



Astrodienst Ephemeris Tables for the year 2224

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 2224
geocentric

JANUARY 2224

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	6 38 53	9♌28'45	24♋50	4♊7	15♈27	28♏33	12♏41	2♏33	21♏31	17°R 6	15♏10	22°R11	22♏43	17♋35	21°R50	T 1
F 2	6 42 49	10°29'52	6♏47	5°42	16°42	29°14	12°51	2°40	21°33	17°II 4	15°11	22♏10	22°40	17°42	21♋50	F 2
S 3	6 46 46	11°31'00	18°52	7°16	17°57	29°55	13° 2	2°47	21°34	17° 3	15°11	22° 9	22°37	17°49	21°D50	S 3
S 4	6 50 42	12°32'07	1♏9	8°51	19°12	0♋36	13°12	2°54	21°35	17° 1	15°12	22° 7	22°34	17°55	21°50	S 4
M 5	6 54 39	13°33'15	13°40	10°26	20°27	1°17	13°23	3° 1	21°36	17° 0	15°12	22° 6	22°30	18° 2	21°50	M 5
T 6	6 58 35	14°34'22	26°28	12° 2	21°42	1°58	13°33	3° 8	21°38	16°58	15°13	22° 5	22°27	18° 9	21°51	T 6
W 7	7 2 32	15°35'30	9♏33	13°38	22°57	2°39	13°44	3°15	21°39	16°57	15°13	22° 4	22°24	18°16	21°51	W 7
T 8	7 6 29	16°36'37	22°54	15°14	24°12	3°20	13°55	3°22	21°40	16°56	15°13	22°D 4	22°21	18°22	21°51	T 8
F 9	7 10 25	17°37'45	6♏31	16°51	25°27	4° 2	14° 6	3°29	21°41	16°54	15°14	22° 4	22°18	18°29	21°51	F 9
S 10	7 14 22	18°38'52	20°21	18°28	26°42	4°43	14°17	3°36	21°42	16°53	15°14	22° 5	22°14	18°36	21°52	S 10
S 11	7 18 18	19°40'00	4♏20	20° 5	27°57	5°24	14°28	3°43	21°43	16°51	15°14	22° 5	22°11	18°43	21°52	S 11
M12	7 22 15	20°41'07	18°27	21°43	29°12	6° 5	14°39	3°50	21°44	16°50	15°15	22° 5	22° 8	18°49	21°53	M12
T 13	7 26 11	21°42'15	2♏38	23°21	0♌27	6°46	14°50	3°56	21°44	16°49	15°15	22°R 5	22° 5	18°56	21°53	T 13
W14	7 30 8	22°43'23	16°50	24°59	1°42	7°27	15° 2	4° 3	21°45	16°47	15°15	22°D 5	22° 2	19° 3	21°54	W14
T 15	7 34 4	23°44'31	1♏2	26°38	2°57	8° 8	15°13	4°10	21°46	16°46	15°15	22° 5	21°59	19° 9	21°54	T 15
F 16	7 38 1	24°45'39	15°10	28°18	4°13	8°49	15°25	4°17	21°47	16°45	15°15	22° 5	21°55	19°16	21°55	F 16
S 17	7 41 58	25°46'47	29°12	29°58	5°28	9°31	15°37	4°24	21°47	16°43	15°15	22° 6	21°52	19°23	21°56	S 17
S 18	7 45 54	26°47'55	13♏8	1♌38	6°43	10°12	15°49	4°30	21°48	16°42	15°R15	22° 6	21°49	19°30	21°57	S 18
M19	7 49 51	27°49'03	26°54	3°19	7°58	10°53	16° 0	4°37	21°48	16°41	15°15	22° 7	21°46	19°36	21°58	M19
T 20	7 53 47	28°50'11	10♌28	5° 0	9°13	11°34	16°12	4°44	21°49	16°40	15°15	22° 7	21°43	19°43	21°59	T 20
W21	7 57 44	29°51'18	23°49	6°41	10°28	12°15	16°25	4°51	21°49	16°39	15°15	22°R 7	21°40	19°50	22° 0	W21
T 22	8 1 40	0♌52'25	6♌56	8°23	11°43	12°57	16°37	4°57	21°49	16°38	15°15	22° 7	21°36	19°57	22° 1	T 22
F 23	8 5 37	1°53'31	19°47	10° 5	12°58	13°38	16°49	5° 4	21°50	16°37	15°15	22° 6	21°33	20° 3	22° 2	F 23
S 24	8 9 33	2°54'37	2♏22	11°47	14°13	14°19	17° 1	5°10	21°50	16°35	15°15	22° 5	21°30	20°10	22° 3	S 24
S 25	8 13 30	3°55'42	14°43	13°30	15°29	15° 0	17°14	5°17	21°50	16°34	15°15	22° 3	21°27	20°17	22° 4	S 25
M26	8 17 27	4°56'46	26°52	15°12	16°44	15°42	17°26	5°23	21°50	16°33	15°14	22° 1	21°24	20°23	22° 5	M26
T 27	8 21 23	5°57'49	8♋52	16°55	17°59	16°23	17°39	5°30	21°R50	16°32	15°14	21°59	21°20	20°30	22° 7	T 27
W28	8 25 20	6°58'51	20°45	18°37	19°14	17° 4	17°51	5°36	21°50	16°31	15°14	21°58	21°17	20°37	22° 8	W28
T 29	8 29 16	7°59'53	2♏37	20°19	20°29	17°45	18° 4	5°43	21°50	16°30	15°13	21°D57	21°14	20°44	22° 9	T 29
F 30	8 33 13	9° 0'53	14°33	22° 0	21°44	18°26	18°17	5°49	21°50	16°30	15°13	21°57	21°11	20°50	22°11	F 30
S 31	8 37 9	10♌1'52	26♏36	23♌41	22♏59	19♋8	18♏30	5♏55	21♏49	16°II29	15♏12	21♏58	21♏8	20♋57	22♋12	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	23s 4	4n42	5s16	24s33	1s12	21s38	0n59	0s56	0s24	7s50	1 s 8	22s29	0n55	7s47	0n38	21n17	1s30	9n34	16n50	21n35	21n30	2n 9	9n16	0n50
F 2	23 0	8 56	5 6	24 35	1 17	21 48	0 57	0 39	0 22	7 46	1 8	22 28	0 54	7 48	0 38	21 17	1 30	9 35	16 51	21 35	21 30	2 12	9 16	0 50
S 3	22 55	12 53	4 43	24 35	1 23	21 58	0 54	0 21	0 21	7 42	1 8	22 28	0 54	7 48	0 39	21 17	1 30	9 35	16 51	21 36	21 31	2 14	9 16	0 50
S 4	22 49	16 21	4 6	24 34	1 27	22 7	0 52	0 4	0 20	7 38	1 7	22 28	0 54	7 49	0 39	21 17	1 30	9 35	16 52	21 36	21 31	2 17	9 16	0 50
M 5	22 43	19 9	3 17	24 32	1 32	22 15	0 49	0n14	0 18	7 34	1 7	22 28	0 54	7 49	0 39	21 17	1 30	9 36	16 52	21 36	21 32	2 19	9 16	0 50
T 6	22 37	21 5	2 17	24 28	1 37	22 22	0 47	0 32	0 17	7 30	1 7	22 28	0 54	7 49	0 39	21 17	1 30	9 36	16 53	21 36	21 32	2 22	9 16	0 50
W 7	22 30	21 55	1 9	24 23	1 41	22 29	0 44	0 49	0 16	7 25	1 7	22 28	0 54	7 50	0 39	21 17	1 30	9 36	16 54	21 36	21 33	2 24	9 16	0 49
T 8	22 23	21 33	0n 5	24 16	1 45	22 35	0 42	1 7	0 14	7 21	1 7	22 28	0 54	7 50	0 39	21 16	1 30	9 37	16 54	21 36	21 34	2 27	9 16	0 49
F 9	22 15	19 54	1 19	24 8	1 48	22 41	0 39	1 24	0 13	7 17	1 7	22 28	0 54	7 51	0 39	21 16	1 30	9 37	16 55	21 36	21 34	2 29	9 16	0 49
S 10	22 7	17 4	2 31	23 59	1 52	22 45	0 37	1 41	0 12	7 12	1 7	22 28	0 54	7 51	0 39	21 16	1 30	9 38	16 55	21 36	21 35	2 32	9 16	0 49
S 11	21 58	13 13	3 34	23 48	1 55	22 49	0 34	1 59	0 10	7 8	1 7	22 27	0 54	7 51	0 39	21 16	1 30	9 38	16 56	21 36	21 35	2 34	9 16	0 49
M12	21 49	8 37	4 24	23 35	1 57	22 53	0 32	2 16	0 9	7 3	1 6	22 27	0 54	7 51	0 39	21 16	1 30	9 38	16 56	21 36	21 36	2 36	9 16	0 49
T 13	21 40	3 32	4 59	23 22	2 0	22 55	0 29	2 34	0 8	6 59	1 6	22 27	0 54	7 52	0 39	21 16	1 30	9 39	16 57	21 36	21 36	2 39	9 16	0 49
W14	21 30	1s45	5 16	23 6	2 2	22 57	0 26	2 51	0 7	6 54	1 6	22 27	0 54	7 52	0 39	21 16	1 30	9 39	16 58	21 36	21 37	2 41	9 16	0 49
T 15	21 20	6 55	5 13	22 49	2 4	22 59	0 24	3 8	0 6	6 50	1 6	22 27	0 54	7 52	0 39	21 16	1 30	9 40	16 58	21 36	21 37	2 44	9 16	0 48
F 16	21 9	11 42	4 52	22 31	2 5	22 59	0 21	3 26	0 4	6 45	1 6	22 27	0 54	7 52	0 39	21 16	1 30	9 40	16 59	21 36	21 38	2 46	9 17	0 48
S 17	20 58	15 50	4 13	22 11	2 6	22 59	0 19	3 43	0 3	6 41	1 6	22 26	0 54	7 53	0 39	21 16	1 30	9 41	16 59	21 36	21 38	2 49	9 17	0 48
S 18	20 46	19 3	3 20	21 50	2 6	22 58	0 16	4 0	0 2	6 36	1 6	22 26	0 54	7 53	0 39	21 16	1 30	9 41	17 0	21 36	21 39	2 51	9 17	0 48
M19	20 34	21 7	2 15	21 27	2 7	22 57	0 13	4 17	0 1	6 31	1 6	22 26	0 54	7 53	0 39	21 15	1 30	9 42	17 1	21 36	21 39	2 54	9 17	0 48
T 20	20 22	21 56	1 4	21 2	2 6	22 55	0 11	4 34	0n 0	6 26	1 5	22 26	0 54	7 53	0 39	21 15	1 30	9 43	17 1	21 36	21 40	2 56	9 17	0 48
W21	20 9	9 21	0s 9	20 36	2 6	22 52	0 8	4 52	0 1	6 22	1 5	22 26	0 54	7 53	0 39	21 15	1 30	9 43	17 2	21 36	21 40	2 59	9 18	0 48
T 22	19 56	19 50	1 21	20 9	2 4	22 48	0 6	5 9	0 2	6 17	1 5	22 25	0 54	7 53	0 39	21 15	1 29	9 44	17 2	21 36	21 41	3 1	9 18	0 48
F 23	19 43	17 12	2 27	19 40	2 3	22 44	0 3	5 26	0 4	6 12	1 5	22 25	0 54	7 53	0 39	21 15	1 29	9 44	17 3	21 36	21 41	3 4	9 18	0 48
S 24	19 29	13 48	3 25	19 10	2 0	22 39	0 0	5 43	0 5	6 7	1 5	22 25	0 54	7 53	0 39	21 15	1 29	9 45	17 3	21 36	21 42	3 6	9 19	0 47
S 25	19 15	9 53	4 12	18 38	1 58	22 33	0s 2	6 0	0 6	6 2	1 5	22 25	0 54	7 53	0 39	21 15	1 29	9 45	17 4	21 36	21 42	3 9	9 19	0 47
M26	19 0	5 37	4 46	18 5	1 54	22 27	0 5	6 16	0 7	5 57	1 5	22 24	0 54	7 53	0 39	21 15	1 29	9 46	17 5	21 37	21 43	3 11	9 19	0 47
T 27	18 45	1 13	5 8	17 30	1 50	22 20	0 7	6 33	0 8	5 52	1 5	22 24	0 54	7 53	0 39	21 15	1 29	9 47	17 5	21 37	21 43	3 14	9 20	0 47
W28	18 30	3n13	5 16	16 54	1 46	22 12	0 10	6 50	0 9	5 47	1 5	22 24	0 53	7 53	0 39	21 15	1 29	9 47	17 6	21 37	21 44	3 16	9 20	0 47
T 29	18 15	7 30	5 10	16 17	1 40	22 3	0 12	7 7	0 10	5 42	1 5	22 24	0 53	7 53	0 39	21 15	1 29	9 48	17 6	21 37	21 44	3 19	9 21	0 47
F 30	17 59	11 32	4 52	15 13	1 34	21 54	0 15	7 23	0 11	5 37	1 5	22 24	0 53	7 53	0 39	21 15	1 29	9 49	17 7	21 37	21 45	3 21	9 21	0 47
S 31	17s43	15n 9	4s20	14s59	1s28	21s44	0s17	7n40	0n12	5s32	1 s 4	22s23	0n53	7s53	0n39	21n15	1s29	9n49	17n 7	21n37	21n45	3n24	9n21	0n47

ASTRODIENST EPHEMERIS for the year 2224

FEBRUARY 2224

00:00 UT

Day	Sid.t	☉	☽	♈	♀	♊	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	Day
S 1	8 41 6	11≈ 2'50	8Ⅱ52	25≈20	24≈14	19Ⅳ49	18Ⅱ43	6♂ 1	21°R49	16°R28	15°R12	21♂59	21♂ 5	21Ⅳ 4	22Ⅳ14	S 1	
M 2	8 45 2	12° 3'47	21°24	26°58	25°29	20°30	18°56	6° 8	21♂49	16Ⅱ27	15♂11	22° 1	21° 1	21°10	22°16	M 2	
T 3	8 48 59	13° 4'43	4♂17	28°35	26°45	21°11	19° 9	6°14	21°48	16°26	15°11	22° 2	20°58	21°17	22°17	T 3	
W 4	8 52 56	14° 5'38	17°33	0Ⅱ 9	28° 0	21°52	19°22	6°20	21°48	16°26	15°10	22°R 3	20°55	21°24	22°19	W 4	
T 5	8 56 52	15° 6'32	1♂11	1°41	29°15	22°34	19°35	6°26	21°48	16°25	15°10	22° 3	20°52	21°31	22°21	T 5	
F 6	9 0 49	16° 7'24	15°11	3°10	0≈30	23°15	19°49	6°32	21°47	16°24	15° 9	22° 1	20°49	21°37	22°23	F 6	
S 7	9 4 45	17° 8'16	29°29	4°35	1°45	23°56	20° 2	6°38	21°46	16°23	15° 9	21°59	20°46	21°44	22°25	S 7	
S 8	9 8 42	18° 9'06	13Ⅲ59	5°56	3° 0	24°37	20°15	6°44	21°46	16°23	15° 8	21°55	20°42	21°51	22°26	S 8	
M 9	9 12 38	19° 9'56	28°36	7°12	4°15	25°18	20°29	6°50	21°45	16°22	15° 7	21°51	20°39	21°58	22°28	M 9	
T 10	9 16 35	20°10'44	13♂12	8°22	5°30	25°59	20°42	6°56	21°44	16°22	15° 6	21°47	20°36	22° 4	22°30	T 10	
W11	9 20 31	21°11'32	27°41	9°26	6°45	26°40	20°56	7° 1	21°44	16°21	15° 6	21°44	20°33	22°11	22°33	W11	
T 12	9 24 28	22°12'18	12Ⅱ 0	10°22	8° 0	27°21	21° 9	7° 7	21°43	16°21	15° 5	21°42	20°30	22°18	22°35	T 12	
F 13	9 28 25	23°13'04	26° 5	11°10	9°16	28° 2	21°23	7°13	21°42	16°20	15° 4	21°D42	20°26	22°24	22°37	F 13	
S 14	9 32 21	24°13'49	9♂55	11°50	10°31	28°43	21°37	7°18	21°41	16°20	15° 3	21°43	20°23	22°31	22°39	S 14	
S 15	9 36 18	25°14'33	23°30	12°20	11°46	29°25	21°50	7°24	21°40	16°19	15° 2	21°44	20°20	22°38	22°41	S 15	
M16	9 40 14	26°15'16	6♂52	12°40	13° 1	0♂ 6	22° 4	7°29	21°39	16°19	15° 1	21°46	20°17	22°45	22°44	M16	
T 17	9 44 11	27°15'58	20° 1	12°R49	14°16	0°47	22°18	7°35	21°38	16°19	15° 0	21°R47	20°14	22°51	22°46	T 17	
W18	9 48 7	28°16'39	2≈57	12°49	15°31	1° 28	22°32	7°40	21°36	16°18	14°59	21°46	20°11	22°58	22°48	W18	
T 19	9 52 4	29°17'18	15°42	12°37	16°46	2° 9	22°46	7°45	21°35	16°18	14°58	21°44	20° 7	23° 5	22°51	T 19	
F 20	9 56 0	0Ⅱ17'56	28°16	12°15	18° 1	2°50	23° 0	7°50	21°34	16°18	14°57	21°39	20° 4	23°12	22°53	F 20	
S 21	9 59 57	1°18'33	10Ⅱ39	11°44	19°16	3°31	23°14	7°56	21°33	16°18	14°56	21°33	20° 1	23°18	22°56	S 21	
S 22	10 3 54	2°19'08	22°53	11° 3	20°31	4°11	23°28	8° 1	21°31	16°17	14°55	21°25	19°58	23°25	22°58	S 22	
M23	10 7 50	3°19'41	4Ⅳ57	10°14	21°46	4°52	23°42	8° 6	21°30	16°17	14°54	21°17	19°55	23°32	23° 1	M23	
T 24	10 11 47	4°20'13	16°55	9°19	23° 1	5°33	23°56	8°11	21°28	16°17	14°53	21° 9	19°51	23°38	23° 3	T 24	
W25	10 15 43	5°20'43	28°47	8°18	24°16	6°14	24°10	8°16	21°27	16°17	14°52	21° 2	19°48	23°45	23° 6	W25	
T 26	10 19 40	6°21'11	10♂38	7°14	25°31	6°55	24°24	8°20	21°25	16°D17	14°50	20°57	19°45	23°52	23° 9	T 26	
F 27	10 23 36	7°21'37	22°32	6° 8	26°46	7°36	24°38	8°25	21°24	16°17	14°49	20°53	19°42	23°59	23°11	F 27	
S 28	10 27 33	8°22'02	4Ⅱ32	5° 1	28° 1	8°17	24°53	8°30	21°22	16°17	14°48	20°D52	19°39	24° 5	23°14	S 28	
S 29	10 31 29	9Ⅱ22'25	16Ⅱ43	3Ⅱ57	29≈16	8♂58	25Ⅱ 7	8♂34	21♂21	16Ⅱ17	14♂47	20♂52	19♂36	24Ⅳ12	23Ⅳ17	S 29	

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	17s26	18n11	3s36	14s19	1s20	21s34	0s20	7n56	0n13	5s27	1s 4	22s23	0n53	7s53	0n39	21n15	1s29	9n50	17n 8	21n37	21n46	3n26	9n22	0n47
M 2	17 9	20 27	2 41	13 38	1 12	21 23	0 22	8 13	0 14	5 22	1 4	22 23	0 53	7 53	0 39	21 15	1 29	9 51	17 8	21 37	21 46	3 29	9 22	0 46
T 3	16 52	21 44	1 36	12 56	1 3	21 11	0 25	8 29	0 15	5 16	1 4	22 22	0 53	7 53	0 39	21 15	1 29	9 51	17 9	21 37	21 47	3 31	9 23	0 46
W 4	16 35	21 51	0 25	12 14	0 53	20 59	0 27	8 45	0 16	5 11	1 4	22 22	0 53	7 52	0 39	21 15	1 29	9 52	17 10	21 36	21 47	3 34	9 24	0 46
T 5	16 17	20 41	0n50	11 32	0 43	20 46	0 29	9 1	0 17	5 6	1 4	22 22	0 53	7 52	0 40	21 15	1 29	9 53	17 10	21 36	21 48	3 36	9 24	0 46
F 6	15 59	18 14	2 4	10 49	0 31	20 32	0 32	9 18	0 18	5 1	1 4	22 22	0 53	7 52	0 40	21 15	1 29	9 54	17 11	21 37	21 48	3 39	9 25	0 46
S 7	15 41	14 37	3 11	10 7	0 19	20 18	0 34	9 34	0 18	4 55	1 4	22 21	0 53	7 52	0 40	21 15	1 29	9 54	17 11	21 37	21 49	3 41	9 25	0 46
S 8	15 22	10 6	4 7	9 25	0 6	20 3	0 36	9 50	0 19	4 50	1 4	22 21	0 53	7 52	0 40	21 15	1 29	9 55	17 12	21 38	21 49	3 43	9 26	0 46
M 9	15 3	4 57	4 48	8 44	0n 7	19 48	0 39	10 5	0 20	4 45	1 4	22 21	0 53	7 51	0 40	21 15	1 29	9 56	17 12	21 38	21 49	3 46	9 26	0 46
T 10	14 44	0s27	5 9	8 5	0 22	19 32	0 41	10 21	0 21	4 39	1 4	22 21	0 53	7 51	0 40	21 15	1 29	9 56	17 13	21 39	21 50	3 48	9 27	0 46
W 11	14 25	5 47	5 11	7 27	0 37	19 15	0 43	10 37	0 22	4 34	1 4	22 20	0 53	7 51	0 40	21 15	1 29	9 57	17 13	21 39	21 50	3 51	9 28	0 45
T 12	14 6	10 45	4 54	6 52	0 52	18 58	0 45	10 52	0 23	4 29	1 4	22 20	0 53	7 50	0 40	21 15	1 28	9 58	17 14	21 40	21 51	3 53	9 28	0 45
F 13	13 46	15 3	4 19	6 19	1 8	18 40	0 47	11 8	0 24	4 23	1 4	22 20	0 53	7 50	0 40	21 15	1 28	9 59	17 14	21 40	21 51	3 56	9 29	0 45
S 14	13 26	18 28	3 29	5 49	1 25	18 22	0 49	11 23	0 25	4 18	1 4	22 19	0 53	7 49	0 40	21 15	1 28	10 0	17 15	21 40	21 52	3 58	9 30	0 45
S 15	13 5	20 47	2 28	5 22	1 41	18 3	0 51	11 39	0 25	4 12	1 3	22 19	0 53	7 49	0 40	21 15	1 28	10 0	17 15	21 39	21 52	4 1	9 31	0 45
M 16	12 45	21 53	1 21	5 0	1 57	17 44	0 53	11 54	0 26	4 7	1 3	22 19	0 53	7 49	0 40	21 15	1 28	10 1	17 16	21 39	21 53	4 3	9 31	0 45
T 17	12 24	21 46	0 10	4 41	2 13	17 24	0 55	12 9	0 27	4 1	1 3	22 18	0 53	7 48	0 40	21 15	1 28	10 2	17 16	21 39	21 53	4 6	9 32	0 45
W 18	12 3	20 27	1s 1	4 27	2 29	17 4	0 57	12 24	0 28	3 56	1 3	22 18	0 53	7 48	0 40	21 15	1 28	10 3	17 16	21 39	21 54	4 8	9 33	0 45
T 19	11 42	18 7	2 6	4 18	2 43	16 43	0 59	12 39	0 29	3 50	1 3	22 18	0 53	7 47	0 40	21 15	1 28	10 3	17 17	21 39	21 54	4 11	9 34	0 45
F 20	11 21	14 57	3 5	4 14	2 57	16 22	1 0	12 54	0 29	3 45	1 3	22 18	0 53	7 47	0 40	21 15	1 28	10 4	17 17	21 40	21 55	4 13	9 35	0 44
S 21	11 0	11 10	3 54	4 14	3 9	16 0	1 2	13 8	0 30	3 39	1 3	22 17	0 53	7 46	0 40	21 15	1 28	10 5	17 18	21 41	21 55	4 16	9 35	0 44
S 22	10 38	6 59	4 31	4 20	3 29	15 38	1 4	13 23	0 31	3 34	1 3	22 17	0 53	7 46	0 40	21 15	1 28	10 6	17 18	21 42	21 56	4 18	9 36	0 44
M 23	10 16	2 34	4 56	4 30	3 20	15 16	1 5	13 38	0 32	3 28	1 3	22 17	0 53	7 45	0 40	21 15	1 28	10 7	17 19	21 44	21 56	4 21	9 37	0 44
T 24	9 54	1n54	5 7	4 44	3 36	14 53	1 7	13 52	0 32	3 22	1 3	22 16	0 53	7 45	0 40	21 15	1 28	10 7	17 19	21 45	21 57	4 23	9 38	0 44
W 25	9 32	6 16	5 5	5 2	3 40	14 29	1 8	14 6	0 33	3 17	1 3	22 16	0 53	7 44	0 40	21 15	1 28	10 8	17 19	21 46	21 57	4 26	9 39	0 44
T 26	9 10	10 24	4 50	5 24	3 42	14 6	1 10	14 20	0 34	3 11	1 3	22 16	0 53	7 43	0 40	21 15	1 28	10 9	17 20	21 47	21 57	4 28	9 40	0 44
F 27	8 48	14 8	4 23	5 48	3 42	13 41	1 11	14 34	0 34	3 5	1 3	22 15	0 53	7 43	0 40	21 15	1 28	10 10	17 20	21 47	21 58	4 31	9 41	0 44
S 28	8 25	17 21	3 44	6 14	3 40	13 17	1 13	14 48	0 35	3 0	1 3	22 15	0 53	7 42	0 40	21 15	1 28	10 11	17 21	21 48	21 58	4 33	9 42	0 44
S 29	8s 3	19n52	2s54	6s42	3n36	12s52	1s14	15n 2	0n36	2s54	1s 3	22s15	0n53	7s42	0n40	21n15	1s28	10n12	17n21	21n48	21n59	4n36	9n43	0n44

Julian Day Number = 2533389.5, Delta T = 188.46 sec

Ecliptic obliquity = $23^{\circ}24'33''$, Nutation = $-0^{\circ}00'15''$, out-of-bounds declination in red

Avanamsha: Fagan/Bradley = 27°52'19. Lahiri = 26°59'20

ASTRODIENST EPHEMERIS for the year 2224

geocentric

MARCH 2224

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 35 26	10°22'45"	29°11'12"	2°R55	0°H31	9°839	25°H21	8°339	21°R19	16°H17	14°R45	20°53	19°532	24°V19	23°V20	M 1
T 2	10 39 22	11°23'04"	12°28'2	1°H57	1°46	10°19	25°36	8°43	21°H17	16°17	14°H44	20°54	19°29	24°25	23°23	T 2
W 3	10 43 19	12°23'21"	25°18	1°4	3°1	11°0	25°50	8°48	21°15	16°18	14°43	20°R54	19°26	24°32	23°25	W 3
T 4	10 47 16	13°23'36"	9°18	0°17	4°16	11°41	26°4	8°52	21°13	16°18	14°41	20°53	19°23	24°39	23°28	T 4
F 5	10 51 12	14°23'49"	23°11	29°37	5°31	12°22	26°19	8°56	21°12	16°18	14°40	20°49	19°20	24°46	23°31	F 5
S 6	10 55 9	15°24'00"	7°147	29°4	6°46	13°2	26°33	9°0	21°10	16°18	14°39	20°43	19°17	24°52	23°34	S 6
S 7	10 59 5	16°24'09"	22°40	28°37	8°1	13°43	26°47	9°4	21°8	16°19	14°37	20°35	19°13	24°59	23°37	S 7
M 8	11 3 2	17°24'16"	7°43	28°18	9°16	14°24	27°2	9°8	21°6	16°19	14°36	20°26	19°10	25°6	23°40	M 8
T 9	11 6 58	18°24'22"	22°46	28°5	10°31	15°4	27°16	9°12	21°4	16°19	14°34	20°17	19°7	25°13	23°43	T 9
W10	11 10 55	19°24'26"	7°140	27°D59	11°46	15°45	27°31	9°16	21°2	16°20	14°33	20°10	19°4	25°19	23°47	W10
T 11	11 14 51	20°24'29"	22°16	28°0	13°1	16°25	27°45	9°20	21°0	16°20	14°31	20°4	19°1	25°26	23°50	T 11
F 12	11 18 48	21°24'30"	6°31	28°7	14°15	17°6	28°0	9°24	20°58	16°21	14°30	20°1	18°57	25°33	23°53	F 12
S 13	11 22 45	22°24'29"	20°23	28°20	15°30	17°46	28°14	9°27	20°55	16°21	14°28	20°D 0	18°54	25°39	23°56	S 13
S 14	11 26 41	23°24'27"	3°53	28°38	16°45	18°27	28°29	9°31	20°53	16°22	14°27	20°0	18°51	25°46	23°59	S 14
M15	11 30 38	24°24'23"	17°3	29°2	18°0	19°7	28°43	9°34	20°51	16°23	14°25	20°R 1	18°48	25°53	24°3	M15
T 16	11 34 34	25°24'18"	29°56	29°30	19°15	19°48	28°58	9°37	20°49	16°23	14°24	20°1	18°45	26°0	24°6	T 16
W17	11 38 31	26°24'11"	12°34	0°H 3	20°30	20°28	29°12	9°41	20°47	16°24	14°22	19°58	18°42	26°6	24°9	W17
T 18	11 42 27	27°24'02"	25°1	0°40	21°44	21°9	29°27	9°44	20°44	16°24	14°21	19°53	18°38	26°13	24°12	T 18
F 19	11 46 24	28°23'51"	7°H 19	1°22	22°59	21°49	29°41	9°47	20°42	16°25	14°19	19°45	18°35	26°20	24°16	F 19
S 20	11 50 20	29°23'39"	19°29	2°7	24°14	22°30	29°56	9°50	20°40	16°26	14°18	19°35	18°32	26°26	24°19	S 20
S 21	11 54 17	0°V23'24"	1°V33	2°55	25°29	23°10	0°V10	9°53	20°37	16°27	14°16	19°22	18°29	26°33	24°22	S 21
M22	11 58 14	1°23'07"	13°31	3°47	26°43	23°50	0°25	9°55	20°35	16°28	14°14	19°8	18°26	26°40	24°26	M22
T 23	12 2 10	2°22'49"	25°25	4°42	27°58	24°31	0°39	9°58	20°32	16°28	14°13	18°55	18°23	26°47	24°29	T 23
W24	12 6 7	3°22'28"	7°H 16	5°40	29°13	25°11	0°54	10°1	20°30	16°29	14°11	18°42	18°19	26°53	24°33	W24
T 25	12 10 3	4°22'05"	19°7	6°41	0°V28	25°51	1°8	10°3	20°28	16°30	14°9	18°32	18°16	27°0	24°36	T 25
F 26	12 14 0	5°21'41"	1°H 0	7°44	1°42	26°31	1°23	10°6	20°25	16°31	14°8	18°25	18°13	27°7	24°40	F 26
S 27	12 17 56	6°21'13"	12°59	8°50	2°57	27°12	1°37	10°8	20°23	16°32	14°6	18°20	18°10	27°14	24°43	S 27
S 28	12 21 53	7°20'44"	25°8	9°58	4°12	27°52	1°52	10°10	20°20	16°33	14°4	18°18	18°7	27°20	24°47	S 28
M29	12 25 49	8°20'12"	7°53	11°8	5°26	28°32	2°6	10°12	20°18	16°34	14°3	18°D17	18°3	27°27	24°50	M29
T 30	12 29 46	9°19'39"	20°17	12°20	6°41	29°12	2°21	10°14	20°15	16°35	14°1	18°R17	18°0	27°34	24°54	T 30
W31	12 33 43	10°V19'02"	3°H 26	13°H 34	7°V55	29°H 52	2°V35	10°H 16	20°H 13	16°H 36	13°H 59	18°H 17	17°H 57	27°V40	24°V57	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	7s40	21n30	1s54	7s10	3n30	12s27	1s15	15n16	0n36	2s48	1s3	22s15	0n53	7s41	0n40	21n15
T 2	7 17 22	4 0 48	7 38	3 22	12 1	1 16	15 29	0 37	2 43	1 3	22 14	0 53	7 40	0 40	21 15	1 27
W 3	6 54 21	26 0n24	8 5	3 12	11 35	1 17	15 42	0 38	2 37	1 3	22 14	0 53	7 40	0 40	21 15	1 27
T 4	6 31 19	31 1 36	8 32	3 1	11 9	1 18	15 56	0 38	2 31	1 3	22 14	0 53	7 39	0 40	21 15	1 27
F 5	6 8 16	21 2 44	8 57	2 49	10 42	1 19	16 9	0 39	2 26	1 3	22 13	0 53	7 38	0 40	21 16	1 27
S 6	5 45 12	6 3 44	9 21	2 36	10 16	1 20	16 22	0 40	2 20	1 3	22 13	0 53	7 37	0 40	21 16	1 27
S 7	5 22 7	2 4 30	9 42	2 23	9 48	1 21	16 35	0 40	2 14	1 3	22 13	0 53	7 37	0 40	21 16	1 27
M 8	4 58 1 30	4 57	10 2	2 9	9 21	1 22	16 47	0 41	2 8	1 3	22 13	0 53	7 36	0 40	21 16	1 27
T 9	4 35 4s 8	5 4	10 19	1 55	8 53	1 23	17 0	0 42	2 3	1 3	22 12	0 53	7 35	0 40	21 16	1 27
W10	4 11 9 28	4 51	10 35	1 41	8 26	1 23	17 12	0 42	1 57	1 3	22 12	0 53	7 34	0 40	21 16	1 27
T 11	3 48 14 9	4 18	10 48	1 27	7 58	1 24	17 25	0 43	1 51	1 3	22 12	0 53	7 34	0 40	21 16	1 27
F 12	3 24 17 55	3 30	10 58	1 13	7 29	1 24	17 37	0 43	1 45	1 3	22 11	0 53	7 33	0 40	21 16	1 27
S 13	3 1 20 33	2 31	11 7	0 59	7 1	1 25	17 49	0 44	1 40	1 3	22 11	0 53	7 32	0 40	21 16	1 27
S 14	2 37 21 56	1 25	11 13	0 46	6 32	1 25	18 0	0 44	1 34	1 3	22 11	0 53	7 31	0 40	21 16	1 27
M15	2 13 22 4	0 16	11 17	0 33	6 3	1 26	18 12	0 45	1 28	1 3	22 11	0 53	7 30	0 40	21 17	1 27
T 16	1 49 21 0	5s3	11 19	0 20	5 34	1 26	18 24	0 45	1 22	1 3	22 10	0 53	7 29	0 40	21 17	1 27
W17	1 26 18 51	1 57	11 20	0 7	5 5	1 26	18 35	0 46	1 17	1 3	22 10	0 53	7 29	0 40	21 17	1 27
T 18	1 2 15 54	2 55	11 18	0s 5	4 36	1 26	18 46	0 47	1 11	1 3	22 10	0 53	7 28	0 40	21 17	1 27
F 19	0 38 12 16	3 43	11 14	0 16	4 6	1 27	18 57	0 47	1 5	1 3	22 10	0 53	7 27	0 40	21 17	1 26
S 20	0 14 8 9	4 21	11 8	0 27	3 37	1 27	19 8	0 48	0 59	1 3	22 9	0 53	7 26	0 40	21 17	1 26
S 21	0n 9 3 46	4 47	11 1	0 38	3 7	1 27	19 19	0 48	0 54	1 3	22 9	0 53	7 25	0 40	21 17	1 26
M22	0 33 0n44	4 59	10 51	0 48	2 37	1 26	19 30	0 49	0 48	1 3	22 9	0 53	7 24	0 40	21 17	1 26
T 23	0 57 5 11	4 59	10 40	0 58	2 8	1 26	19 40	0 49	0 42	1 3	22 9	0 53	7 23	0 40	21 18	1 26
W24	1 20 9 25	4 45	10 28	1 7	1 38	1 26	19 50	0 50	0 36	1 3	22 9	0 53	7 22	0 40	21 18	1 26
T 25	1 44 13 19	4 20	10 13	1 16	1 8	1 26	20 0	0 50	0 31	1 3	22 8	0 53	7 21	0 40	21 18	1 26
F 26	2 8 16 42	3 42	9 57	1 24	0 38	1 25	20 10	0 50	0 25	1 3	22 8	0 54	7 21	0 40	21 18	1 26
S 27	2 31 19 26	2 55	9 40	1 32	0 8	1 25	20 20	0 51	0 19	1 3	22 8	0 54	7 20	0 40	21 18	1 26
S 28	2 55 21 20	1 59	9 21	1 39	0n22	1 24	20 30	0 51	0 13	1 3	22 8	0 54	7 19	0 40	21 18	1 26
M29	3 18 22 15	0 57	9 1	1 46	0 52	1 24	20 39	0 52	0 8	1 3	22 8	0 54	7 18	0 40	21 18	1 26
T 30	3 42 22 3	0n11	8 39	1 52	1 22	1 23	20 48	0 52	0 2	1 3	22 7	0 54	7 17	0 40	21 19	1 26
W31	4n 5 20n39	1n19	8s16	1s58	1n52	1s23	20n57	0n53	0n 4	1 s 3	22s 7	0n54	7s16	0n40	21n19	1s26

Julian Day Number = 2533418.5, Delta T = 188.56 sec
 Ecliptic obliquity = 23°24'34", Nutation = - 0°00'16", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°52'23", Lahiri = 26°59'24"

ASTRODIENST EPHEMERIS for the year 2224
geocentric

APRIL 2224

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	12 37 39	11°18'24	17°04	14°51	9°10	0°32	2°50	10°18	20°R10	16°37	13°R58	18°R14	17°54	27°47	25°1	T 1
F 2	12 41 36	12°17'43	1°12	16°9	10°25	1°12	3°4	10°20	20°7	16°39	13°56	18°10	17°51	27°54	25°4	F 2
S 3	12 45 32	13°17'00	15°48	17°29	11°39	1°52	3°19	10°22	20°5	16°40	13°54	18°2	17°48	28°1	25°8	S 3
S 4	12 49 29	14°16'14	0°49	18°51	12°54	2°32	3°33	10°23	20°2	16°41	13°53	17°52	17°44	28°7	25°11	S 4
M 5	12 53 25	15°15'27	16°4	20°14	14°8	3°12	3°47	10°25	20°0	16°42	13°51	17°41	17°41	28°14	25°15	M 5
T 6	12 57 22	16°14'37	1°12	21°39	15°23	3°52	4°2	10°26	19°57	16°44	13°49	17°30	17°38	28°21	25°18	T 6
W 7	13 1 18	17°13'45	16°36	23°6	16°37	4°32	4°16	10°27	19°55	16°45	13°48	17°20	17°35	28°27	25°22	W 7
T 8	13 5 15	18°12'52	1°31	24°35	17°51	5°12	4°30	10°28	19°52	16°46	13°46	17°13	17°32	28°34	25°26	T 8
F 9	13 9 11	19°11'57	16°1	26°5	19°6	5°52	4°45	10°30	19°49	16°48	13°44	17°8	17°28	28°41	25°29	F 9
S 10	13 13 8	20°11'00	0°3	27°36	20°20	6°32	4°59	10°31	19°47	16°49	13°43	17°5	17°25	28°48	25°33	S 10
S 11	13 17 5	21°10'02	13°40	29°9	21°35	7°12	5°13	10°31	19°44	16°50	13°41	17°5	17°22	28°54	25°37	S 11
M 12	13 21 1	22°9'02	26°50	0°44	22°49	7°52	5°27	10°32	19°42	16°52	13°39	17°5	17°19	29°1	25°40	M 12
T 13	13 24 58	23°8'00	9°38	2°20	24°4	8°31	5°42	10°33	19°39	16°53	13°38	17°4	17°16	29°8	25°44	T 13
W 14	13 28 54	24°6'56	22°9	3°58	25°18	9°11	5°56	10°33	19°36	16°55	13°36	17°2	17°13	29°15	25°47	W 14
T 15	13 32 51	25°5'50	4°26	5°37	26°32	9°51	6°10	10°34	19°34	16°56	13°34	16°56	17°9	29°21	25°51	T 15
F 16	13 36 47	26°4'43	16°34	7°18	27°47	10°31	6°24	10°34	19°31	16°58	13°33	16°48	17°6	29°28	25°55	F 16
S 17	13 40 44	27°3'34	28°34	9°0	29°1	11°10	6°38	10°35	19°29	16°59	13°31	16°38	17°3	29°35	25°58	S 17
S 18	13 44 40	28°2'23	10°30	10°44	0°15	11°50	6°52	10°35	19°26	17°1	13°30	16°25	17°0	29°41	26°2	S 18
M 19	13 48 37	29°1'10	22°24	12°30	1°30	12°30	7°6	10°R35	19°24	17°3	13°28	16°11	16°57	29°48	26°6	M 19
T 20	13 52 34	29°59'55	4°15	14°17	2°44	13°9	7°20	10°35	19°21	17°4	13°26	15°57	16°54	29°55	26°9	T 20
W 21	13 56 30	0°58'38	16°7	16°6	3°58	13°49	7°34	10°35	19°19	17°6	13°25	15°44	16°50	0°2	26°13	W 21
T 22	14 0 27	1°57'19	28°0	17°56	5°12	14°28	7°48	10°35	19°16	17°8	13°23	15°34	16°47	0°8	26°16	T 22
F 23	14 4 23	2°55'58	9°15	19°48	6°27	15°8	8°2	10°34	19°14	17°9	13°22	15°26	16°44	0°15	26°20	F 23
S 24	14 8 20	3°54'36	22°0	21°41	7°41	15°48	8°16	10°34	19°11	17°11	13°20	15°21	16°41	0°22	26°24	S 24
S 25	14 12 16	4°53'11	4°12	23°36	8°55	16°27	8°29	10°33	19°9	17°13	13°19	15°18	16°38	0°28	26°27	S 25
M 26	14 16 13	5°51'43	16°37	25°33	10°9	17°7	8°43	10°33	19°6	17°14	13°17	15°D18	16°34	0°35	26°31	M 26
T 27	14 20 9	6°50'14	29°20	27°31	11°23	17°46	8°57	10°32	19°4	17°16	13°16	15°18	16°31	0°42	26°34	T 27
W 28	14 24 6	7°48'43	12°25	29°31	12°37	18°25	9°10	10°31	19°1	17°18	13°14	15°R18	16°28	0°49	26°38	W 28
T 29	14 28 3	8°47'09	25°55	1°32	13°51	19°5	9°24	10°30	18°59	17°20	13°13	15°17	16°25	0°55	26°42	T 29
F 30	14 31 59	9°45'33	9°53	3°34	15°8	19°14	9°37	10°29	18°56	17°12	13°11	15°14	16°22	1°2	26°45	F 30

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	decl	decl	decl	decl	decl	decl	decl	decl	decl	lat
T 1	4n28	18n 1	2n26	7s51	2s 3	2n22	1s22	21n 6	0n53	0n 9	1s 3	22s 7	0n54	7s15	0n40	21n19	1s26	10n36	17n28	22n10	22n13	5n56	10n18	0n41										
F 2	4 51	14 14	3 26	7 26	2 8	2 52	1 21	21 15	0 54	0 15	1 3	22 7	0 54	7 14	0 40	21 19	1 26	10 37	17 28	22 11	22 13	5 59	10 19	0 41										
S 3	5 14	9 30	4 14	6 58	2 12	3 22	1 20	21 24	0 54	0 21	1 3	22 7	0 54	7 13	0 40	21 19	1 26	10 38	17 28	22 12	22 14	6 1	10 21	0 41										
S 4	5 37	4 4	4 47	6 30	2 16	3 52	1 19	21 32	0 54	0 26	1 3	22 7	0 54	7 12	0 40	21 19	1 26	10 38	17 28	22 13	22 14	6 4	10 22	0 41										
M 5	6 0	1s42	5 0	6 0	2 20	4 22	1 18	21 40	0 55	0 32	1 3	22 7	0 54	7 11	0 40	21 20	1 26	10 39	17 28	22 15	22 15	6 6	10 23	0 40										
T 6	6 23	7 23	4 51	5 29	2 23	4 51	1 17	21 48	0 55	0 38	1 4	22 6	0 54	7 10	0 40	21 20	1 26	10 40	17 28	22 16	22 15	6 9	10 24	0 40										
W 7	6 45	12 35	4 22	4 57	2 25	5 21	1 16	21 56	0 56	0 43	1 4	22 6	0 54	7 9	0 40	21 20	1 25	10 40	17 28	22 17	22 15	6 11	10 26	0 40										
T 8	7 8	16 55	3 36	4 24	2 27	5 50	1 15	22 4	0 56	0 49	1 4	22 6	0 54	7 8	0 40	21 20	1 25	10 41	17 28	22 18	22 16	6 14	10 27	0 40										
F 9	7 30	20 5	2 36	3 50	2 28	6 20	1 14	22 11	0 56	0 55	1 4	22 6	0 54	7 7	0 40	21 20	1 25	10 41	17 28	22 19	22 16	6 16	10 28	0 40										
S 10	7 53	21 56	1 29	3 14	2 29	6 49	1 13	22 18	0 57	1 0	1 4	22 6	0 54	7 6	0 40	21 21	1 25	10 42	17 28	22 19	22 17	6 19	10 29	0 40										
S 11	8 15	22 25	0 18	2 38	2 30	7 18	1 11	22 25	0 57	1 6	1 4	22 6	0 54	7 5	0 40	21 21	1 25	10 43	17 28	22 19	22 17	6 21	10 31	0 40										
M 12	8 37	21 36	0s1	2 0	2 30	7 47	1 10	22 32	0 57	1 11	1 4	22 6	0 54	7 4	0 40	21 21	1 25	10 43	17 28	22 19	22 17	6 24	10 32	0 40										
T 13	8 59	19 41	1 56	1 21	2 29	8 15	1 9	22 39	0 58	1 17	1 4	22 6	0 54	7 3	0 40	21 21	1 25	10 44	17 28	22 19	22 18	6 26	10 33	0 40										
W 14	9 21	16 51	2 54	0 42	2 28	8 44	1 7	22 45	0 58	1 22	1 4	22 6	0 54	7 2	0 40	21 21	1 25	10 44	17 28	22 20	22 18	6 29	10 34	0 40										
T 15	9 42	13 19	3 42	0 1	2 27	9 12	1 6	22 52	0 58	1 28	1 4	22 6	0 54	7 1	0 40	21 21	1 25	10 45	17 28	22 20	22 19	6 31	10 36	0 40										
F 16	10 4	9 17	4 20	0n41	2 25	9 40	1 4	22 58	0 59	1 33	1 4	22 6	0 54	7 0	0 40	21 22	1 25	10 45	17 28	22 21	22 19	6 34	10 37	0 40										
S 17	10 25	4 56	4 45	1 23	2 22	10 8	1 3	23 4	0 59	1 39	1 4	22 6	0 54	6 59	0 40	21 22	1 25	10 46	17 28	22 23	22 19	6 36	10 38	0 40										
S 18	10 46	0 25	4 58	2 7	2 19	10 36	1 1	23 10	0 59	1 44	1 4	22 6	0 54	6 58	0 40	21 22	1 25	10 46	17 28	22 24	22 20	6 39	10 39	0 39										
M 19	11 7	4n 5	4 58	2 51	2 15	11 3	0 59	23 15	1 0	1 50	1 4	22 6	0 54	6 57	0 40	21 22	1 25	10 47	17 27	22 26	22 20	6 41	10 41	0 39										
T 20	11 27	8 27	4 45	3 36	2 11	11 30	0 57	23 21	1 0	1 55	1 4	22 6	0 54	6 57	0 40	21 22	1 25	10 47	17 27	22 27	22 21	6 44	10 42	0 39										
W 21	11 48	12 30	4 20	4 22	2 7	11 57	0 56	23 26	1 0	2 1	1 5	22 6	0 54	6 56	0 40	21 23	1 25	10 48	17 27	22 29	22 21	6 46	10 43	0 39										
T 22	12 8	16 4	3 43	5 9	2 2	12 24	0 54	23 31	1 1	2 6	1 5	22 6	0 54	6 55	0 40	21 23	1 25	10 48	17 27	22 30	22 21	6 49	10 44	0 39										
F 23	12 28	19 1	2 56	5 56	1 56	12 50	0 52	23 35	1 1	2 11	1 5	22 6	0 54	6 54	0 40	21 23	1 25	10 49	17 27	22 31	22 22	6 51	10 46	0 39										
S 24	12 48	21 10	2 0	6 44	1 50	13 16	0 50	23 40	1 1	2 17	1 5	22 6	0 54	6 53	0 40	21 23	1 25	10 49	17 27	22 32	22 22	6 54	10 47	0 39										
S 25	13 8	22 22	0 59	7 33	1 44	13 42	0 48	23 44	1 2	2 22	1 5	22 6	0 54	6 52	0 40	21 23	1 25	10 50	17 27	22 32	22 23	6 56	10 48	0 39										
M 26	13 28	22 30	0n 7	8 22	1 37	14 7	0 46	23 49	1 2	2 27	1 5	22 6	0 54	6 51	0 40	21 24	1 25	10 50	17 26	22 32	22 23	6 59	10 49	0 39										
T 27	13 47	21 28	1 14	9 11	1 29	14 32	0 44	23 53	1 2	2 33	1 5	22 6	0 54	6 50	0 40	21 24	1 25	10 50	17 26	22 32	22 23	7 1	10 51	0 39										
W 28	14 6	19 17	2 19	10 1	1 21	14 56	0 42	23 56	1 2	2 38	1 5	22 6	0 54	6 49	0 40	21 24	1 25	10 51	17 26	22 32	22 24	7 4	10 52	0 39										
T 29	14 25	15 59	3 18	10 51	1 13	15 21	0 40	24 0	1 3	2 43	1 5	22 6	0 54	6 48	0 40	21 24	1 25	10 51	17 26	22 32	22 24	7 6	10 53	0 39										
F 30	14n43	11n41	4n 8	11n41	1s 4	15n44	0s38	24n 3	1n 3	2n48	1s 5	22s 6	0n54	6s47	0n40	21n24	1s24	10n51	17n25	22n32	22n25	7n 9	10n54	0n39										

ASTRODIENST EPHEMERIS for the year 2224

geocentric

MAY 2224

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 35 56	10♈43'55	24♏19	5♊38	16♋20	20♌24	9♍51	10°R28	18°R54	17♎24	13°R10	15°R 8	16♏19	1♊ 9	26♑49	S 1
S 2	14 39 52	11°42'15	9♏11	7°44	17°34	21° 3	10° 4	10♌27	18♏52	17°25	13♏ 8	15♏ 0	16°15	1°15	26°52	S 2
M 3	14 43 49	12°40'33	24°20	9°50	18°48	21°42	10°18	10°26	18°50	17°27	13° 7	14°51	16°12	1°22	26°56	M 3
T 4	14 47 45	13°38'49	9♏39	11°58	20° 2	22°22	10°31	10°25	18°47	17°29	13° 5	14°42	16° 9	1°29	26°59	T 4
W 5	14 51 42	14°37'04	24°54	14° 6	21°16	23° 1	10°44	10°23	18°45	17°31	13° 4	14°34	16° 6	1°36	27° 3	W 5
T 6	14 55 38	15°35'16	9♏57	16°15	22°30	23°40	10°57	10°22	18°43	17°33	13° 3	14°28	16° 3	1°42	27° 6	T 6
F 7	14 59 35	16°33'27	24°37	18°25	23°44	24°19	11°11	10°20	18°41	17°35	13° 1	14°24	16° 0	1°49	27°10	F 7
S 8	15 3 32	17°31'37	8♌50	20°35	24°58	24°58	11°24	10°18	18°38	17°37	13° 0	14°D23	15°56	1°56	27°13	S 8
S 9	15 7 28	18°29'45	22°35	22°45	26°12	25°38	11°37	10°16	18°36	17°39	12°59	14°23	15°53	2° 2	27°17	S 9
M10	15 11 25	19°27'52	5♏52	24°54	27°25	26°17	11°50	10°14	18°34	17°41	12°58	14°24	15°50	2° 9	27°20	M10
T 11	15 15 21	20°25'57	18°44	27° 3	28°39	26°56	12° 3	10°12	18°32	17°43	12°56	14°R24	15°47	2°16	27°24	T 11
W12	15 19 18	21°24'01	1♊16	29°11	29°53	27°35	12°15	10°10	18°30	17°45	12°55	14°24	15°44	2°23	27°27	W12
T 13	15 23 14	22°22'04	13°32	1♏18	1♏ 7	28°14	12°28	10° 8	18°28	17°47	12°54	14°21	15°40	2°29	27°30	T 13
F 14	15 27 11	23°20'05	25°36	3°24	2°21	28°53	12°41	10° 6	18°26	17°49	12°53	14°17	15°37	2°36	27°34	F 14
S 15	15 31 7	24°18'05	7♏32	5°27	3°35	29°32	12°54	10° 4	18°24	17°51	12°51	14°10	15°34	2°43	27°37	S 15
S 16	15 35 4	25°16'03	19°25	7°29	4°49	0♏11	13° 6	10° 1	18°22	17°54	12°50	14° 2	15°31	2°49	27°40	S 16
M17	15 39 1	26°14'00	1♏16	9°29	6° 2	0°50	13°19	9°59	18°20	17°56	12°49	13°53	15°28	2°56	27°44	M17
T 18	15 42 57	27°11'56	13° 8	11°26	7°16	1°29	13°31	9°56	18°18	17°58	12°48	13°44	15°25	3° 3	27°47	T 18
W19	15 46 54	28° 9'50	25° 2	13°20	8°30	2° 8	13°43	9°54	18°17	18° 0	12°47	13°36	15°21	3°10	27°50	W19
T 20	15 50 50	29° 7'43	7♏1	15°12	9°44	2°47	13°56	9°51	18°15	18° 2	12°46	13°29	15°18	3°16	27°53	T 20
F 21	15 54 47	0♏53	19° 6	17° 1	10°58	3°26	14° 8	9°48	18°13	18° 4	12°45	13°24	15°15	3°23	27°57	F 21
S 22	15 58 43	1° 3'24	1♏19	18°47	12°11	4° 5	14°20	9°45	18°11	18° 6	12°44	13°22	15°12	3°30	28° 0	S 22
S 23	16 2 40	2° 1'12	13°41	20°30	13°25	4°44	14°32	9°42	18°10	18° 8	12°43	13°D21	15° 9	3°37	28° 3	S 23
M24	16 6 36	2°58'59	26°16	22°10	14°39	5°23	14°44	9°39	18° 8	18°11	12°42	13°21	15° 6	3°43	28° 6	M24
T 25	16 10 33	3°56'44	9♏ 6	23°47	15°52	6° 2	14°56	9°36	18° 7	18°13	12°41	13°23	15° 2	3°50	28° 9	T 25
W26	16 14 30	4°54'28	22°13	25°20	17° 6	6°41	15° 8	9°33	18° 5	18°15	12°40	13°24	14°59	3°57	28°12	W26
T 27	16 18 26	5°52'10	5♏42	26°50	18°20	7°19	15°19	9°30	18° 4	18°17	12°40	13°R25	14°56	4° 3	28°15	T 27
F 28	16 22 23	6°49'50	19°32	28°17	19°33	7°58	15°31	9°26	18° 2	18°19	12°39	13°24	14°53	4°10	28°18	F 28
S 29	16 26 19	7°47'29	3♏46	29°40	20°47	8°37	15°42	9°23	18° 1	18°22	12°38	13°22	14°50	4°17	28°21	S 29
S 30	16 30 16	8°45'06	18°21	1♏ 0	22° 1	9°16	15°54	9°19	17°59	18°24	12°37	13°18	14°46	4°24	28°24	S 30
M31	16 34 12	9♏42'41	3♏12	2♏16	23♏14	9♏54	16°Y 5	9♏16	17♏58	18♏26	12♏36	13♏14	14♏43	4♏30	28°Y27	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	15n 2	6n36	4n44	12n31	0s55	16n 8	0s36	24n 7	1n 3	2n54	1 s 5	22s 6	0n54	6s47	0n40	21n25	1s24	10n52	17n25	22n33	22n25	7n11	10n55	0n39	
S 2	15 20	1 0	5 2	13 21	0 45	16 31	0 33	24 10	1 3	2 59	1 6	22 6	0 54	6 46	0 40	21 25	1 24	10 52	17 25	22 34	22 25	7 14	10 57	0 39	
M 3	15 37	4s47	4 59	14 11	0 35	16 53	0 31	24 13	1 4	3 4	1 6	22 6	0 54	6 45	0 40	21 25	1 24	10 52	17 25	22 35	22 26	7 16	10 58	0 39	
T 4	15 55	10 19	4 36	15 0	0 25	17 16	0 29	24 15	1 4	3 9	1 6	22 6	0 54	6 44	0 40	21 25	1 24	10 53	17 24	22 36	22 26	7 19	10 59	0 38	
W 5	16 12	15 13	3 52	15 49	0 15	17 37	0 27	24 18	1 4	3 14	1 6	22 6	0 54	6 43	0 40	21 26	1 24	10 53	17 24	22 37	22 26	7 21	11 0	0 38	
T 6	16 29	19 4	2 53	16 36	0 5	17 59	0 24	24 20	1 4	3 19	1 6	22 7	0 54	6 42	0 40	21 26	1 24	10 53	17 24	22 38	22 27	7 24	11 2	0 38	
F 7	16 46	21 34	1 44	17 23	0n 6	18 19	0 22	24 22	1 5	3 24	1 6	22 7	0 54	6 41	0 40	21 26	1 24	10 53	17 24	22 38	22 27	7 26	11 3	0 38	
S 8	17 2	22 37	0 30	18 8	0 17	18 40	0 20	24 24	1 5	3 29	1 6	22 7	0 54	6 41	0 40	21 26	1 24	10 54	17 23	22 38	22 28	7 29	11 4	0 38	
S 9	17 19	22 15	0s44	18 52	0 27	19 0	0 17	24 25	1 5	3 34	1 6	22 7	0 54	6 40	0 40	21 26	1 24	10 54	17 23	22 38	22 28	7 31	11 5	0 38	
M10	17 34	20 36	1 53	19 35	0 38	19 19	0 15	24 27	1 5	3 39	1 6	22 7	0 54	6 39	0 40	21 27	1 24	10 54	17 23	22 38	22 28	7 34	11 6	0 38	
T 11	17 50	17 56	2 53	20 15	0 48	19 38	0 13	24 28	1 5	3 44	1 7	22 7	0 54	6 38	0 40	21 27	1 24	10 54	17 22	22 38	22 29	7 36	11 7	0 38	
W12	18 5	14 30	3 44	20 54	0 58	19 56	0 10	24 29	1 6	3 49	1 7	22 7	0 54	6 38	0 40	21 27	1 24	10 54	17 22	22 38	22 29	7 39	11 9	0 38	
T 13	18 20	10 31	4 24	21 30	1 8	20 14	0 8	24 30	1 6	3 54	1 7	22 8	0 54	6 37	0 40	21 27	1 24	10 54	17 22	22 38	22 29	7 41	11 10	0 38	
F 14	18 35	6 12	4 51	22 4	1 17	20 31	0 6	24 30	1 6	3 59	1 7	22 8	0 54	6 36	0 40	21 27	1 24	10 55	17 21	22 39	22 30	7 44	11 11	0 38	
S 15	18 49	1 41	5 4	22 35	1 26	20 48	0 3	24 31	1 6	4 3	1 7	22 8	0 54	6 35	0 40	21 28	1 24	10 55	17 21	22 39	22 30	7 46	11 12	0 38	
S 16	19 3	2n53	5 5	23 4	1 34	21 4	0 1	24 31	1 6	4 8	1 7	22 8	0 54	6 35	0 40	21 28	1 24	10 55	17 21	22 40	22 31	7 49	11 13	0 38	
M17	19 17	7 19	4 53	23 31	1 41	21 19	0n 2	24 31	1 7	4 13	1 7	22 8	0 54	6 34	0 40	21 28	1 24	10 55	17 20	22 41	22 31	7 51	11 14	0 38	
T 18	19 31	11 30	4 28	23 55	1 48	21 34	0 4	24 31	1 7	4 17	1 8	22 9	0 54	6 33	0 40	21 28	1 24	10 55	17 20	22 42	22 31	7 54	11 16	0 38	
W19	19 44	15 16	3 51	24 16	1 55	21 48	0 7	24 30	1 7	4 22	1 8	22 9	0 54	6 33	0 40	21 28	1 24	10 55	17 20	22 43	22 32	7 56	11 17	0 38	
T 20	19 56	18 26	3 3	24 35	2 0	22 2	0 9	24 30	1 7	4 27	1 8	22 9	0 54	6 32	0 40	21 29	1 24	10 55	17 19	22 44	22 32	7 59	11 18	0 38	
F 21	20 9	20 51	2 7	24 51	2 5	22 15	0 12	24 29	1 7	4 31	1 8	22 9	0 54	6 31	0 40	21 29	1 24	10 55	17 19	22 44	22 32	8 1	11 19	0 38	
S 22	20 21	22 19	1 5	25 5	2 9	22 27	0 14	24 28	1 7	4 36	1 8	22 9	0 54	6 31	0 40	21 29	1 24	10 55	17 18	22 44	22 33	8 4	11 20	0 37	
S 23	20 32	22 44	0n 2	25 16	2 12	22 39	0 16	24 27	1 7	4 40	1 8	22 10	0 54	6 30	0 40	21 29	1 24	10 55	17 18	22 44	22 33	8 6	11 21	0 37	
M24	20 44	22 1	1 10	25 25	2 15	22 50	0 19	24 26	1 8	4 45	1 8	22 10	0 54	6 30	0 40	21 30	1 24	10 55	17 17	22 44	22 33	8 9	11 22	0 37	
T 25	20 55	20 8	2 15	25 32	2 16	23 1	0 21	24 24	1 8	4 49	1 9	22 10	0 54	6 29	0 40	21 30	1 24	10 55	17 17	22 44	22 34	8 11	11 23	0 37	
W26	21 5	17 10	3 16	25 37	2 17	23 11	0 24	24 22	1 8	4 54	1 9	22 10	0 54	6 29	0 39	21 30	1 24	10 55	17 17	22 44	22 34	8 14	11 24	0 37	
T 27	21 16	13 14	4 7	25 39	2 17	23 20	0 26	24 20	1 8	4 58	1 9	22 11	0 54	6 28	0 39	21 30	1 24	10 55	17 16	22 44	22 34	8 16	11 25	0 37	
F 28	21 25	8 30	4 45	25 40	2 16	23 28	0 28	24 18	1 8	5 2	1 9	22 11	0 54	6 28	0 39	21 30	1 24	10 55	17 16	22 44	22 35	8 19	11 26	0 37	
S 29	21 35	3 12	5 7	25 39	2 14	23 36	0 31	24 16	1 8	5 7	1 9	22 11	0 54	6 27	0 39	21 31	1 24	10 55	17 15	22 44	22 35	8 21	11 27	0 37	
S 30	21 44	2s24	5 10	25 36	2 12	23 43	0 33	24 13	1 8	5 11	1 9	22 11	0 54	6 27	0 39	21 31	1 24	10 54	17 15	22 45	22 36	8 24	11 28	0 37	
M31	21n53	7s58	4n53	25n32	2n 8	23n50	0n36	24n11	1n 9	5n15	1s10	22s12	0n54	6s26	0n39	21n31	1s24	10n54	17n14	22n45	22n36	8n26	11n29	0n37	

ASTRODIENST EPHEMERIS for the year 2224

geocentric

JUNE 2224

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 38 9	10 ¹¹ 40'16	18 ¹⁸ 13	3 ²⁹ 29	24 ¹¹ 28	10 ³³ 33	16 ¹⁶ 16	9 ⁹ R12	17 ¹⁷ R57	18 ¹⁸ 28	12 ¹² R36	13 ¹³ R 9	14 ¹⁴ 40	4 ⁴ 37	28 ²⁸ Y30	T 1	
W 2	16 42 5	11 ¹¹ 37'49	3 ³ 15	4 ⁴ 39	25 ²⁵ 41	11 ¹¹ 12	16 ¹⁶ 27	9 ⁹ 3 9	17 ¹⁷ 456	18 ¹⁸ 31	12 ¹² 435	13 ¹³ 5 5	14 ¹⁴ 37	4 ⁴ 44	28 ²⁸ 33	W 2	
T 3	16 46 2	12 ¹² 35'21	18 ¹⁸ 9	5 ⁵ 44	26 ²⁶ 55	11 ¹¹ 51	16 ¹⁶ 39	9 ⁹ 5 5	17 ¹⁷ 55	18 ¹⁸ 33	12 ¹² 34	13 ¹³ 2 2	14 ¹⁴ 34	4 ⁴ 50	28 ²⁸ 36	T 3	
F 4	16 49 59	13 ¹³ 32'52	2 ² 346	6 ⁶ 46	28 ²⁸ 8	12 ¹² 29	16 ¹⁶ 49	9 ⁹ 1 1	17 ¹⁷ 53	18 ¹⁸ 35	12 ¹² 34	13 ¹³ 0 0	14 ¹⁴ 31	4 ⁴ 57	28 ²⁸ 39	F 4	
S 5	16 53 55	14 ¹⁴ 30'22	17 ¹⁷ 1	7 ⁷ 45	29 ²⁹ 22	13 ¹³ 8	17 ¹⁷ 0	8 ⁸ 58	17 ¹⁷ 52	18 ¹⁸ 37	12 ¹² 33	13 ¹³ D 0	14 ¹⁴ 27	5 ⁵ 4	28 ²⁸ 41	S 5	
S 6	16 57 52	15 ¹⁵ 27'51	0 ⁰ 450	8 ⁸ 39	0 ⁰ 35	13 ¹³ 46	17 ¹⁷ 11	8 ⁸ 54	17 ¹⁷ 51	18 ¹⁸ 39	12 ¹² 33	13 ¹³ 1 1	14 ¹⁴ 24	5 ⁵ 11	28 ²⁸ 44	S 6	
M 7	17 1 48	16 ¹⁶ 25'20	14 ¹⁴ 12	9 ⁹ 30	1 ¹ 49	14 ¹⁴ 25	17 ¹⁷ 22	8 ⁸ 50	17 ¹⁷ 50	18 ¹⁸ 42	12 ¹² 32	13 ¹³ 2 2	14 ¹⁴ 21	5 ⁵ 17	28 ²⁸ 47	M 7	
T 8	17 5 45	17 ¹⁷ 22'47	27 ²⁷ 10	10 ¹⁰ 16	3 ³ 2	15 ¹⁵ 4	17 ¹⁷ 32	8 ⁸ 46	17 ¹⁷ 50	18 ¹⁸ 44	12 ¹² 32	13 ¹³ 4 4	14 ¹⁴ 18	5 ⁵ 24	28 ²⁸ 50	T 8	
W 9	17 9 41	18 ¹⁸ 20'14	9 ⁹ 47	10 ¹⁰ 59	4 ⁴ 15	15 ¹⁵ 42	17 ¹⁷ 43	8 ⁸ 42	17 ¹⁷ 49	18 ¹⁸ 46	12 ¹² 31	13 ¹³ 5 5	14 ¹⁴ 15	5 ⁵ 31	28 ²⁸ 52	W 9	
T 10	17 13 38	19 ¹⁹ 17'40	22 ²² 5	11 ¹¹ 37	5 ⁵ 29	16 ¹⁶ 21	17 ¹⁷ 53	8 ⁸ 38	17 ¹⁷ 48	18 ¹⁸ 48	12 ¹² 31	13 ¹³ R 5	14 ¹⁴ 11	5 ⁵ 37	28 ²⁸ 55	T 10	
F 11	17 17 34	20 ²⁰ 15'06	4 ⁴ Y11	12 ¹² 11	6 ⁶ 42	16 ¹⁶ 59	18 ¹⁸ 3	8 ⁸ 34	17 ¹⁷ 47	18 ¹⁸ 51	12 ¹² 30	13 ¹³ 4 4	14 ¹⁴ 8	5 ⁵ 44	28 ²⁸ 57	F 11	
S 12	17 21 31	21 ²¹ 12'30	16 ¹⁶ 7	12 ¹² 41	7 ⁷ 56	17 ¹⁷ 38	18 ¹⁸ 13	8 ⁸ 30	17 ¹⁷ 46	18 ¹⁸ 53	12 ¹² 30	13 ¹³ 3 3	14 ¹⁴ 5	5 ⁵ 51	29 ²⁹ 0	S 12	
S 13	17 25 28	22 ²² 9'55	28 ²⁸ 0	13 ¹³ 6	9 ⁹ 9	18 ¹⁸ 16	18 ¹⁸ 23	8 ⁸ 26	17 ¹⁷ 46	18 ¹⁸ 55	12 ¹² 30	13 ¹³ 0 0	14 ¹⁴ 2	5 ⁵ 58	29 ²⁹ 2	S 13	
M14	17 29 24	23 ²³ 7'18	9 ⁹ 51	13 ¹³ 27	10 ¹⁰ 22	18 ¹⁸ 55	18 ¹⁸ 33	8 ⁸ 22	17 ¹⁷ 45	18 ¹⁸ 57	12 ¹² 29	12 ¹² 57	13 ¹³ 59	6 ⁶ 4	29 ²⁹ 5	M14	
T 15	17 33 21	24 ²⁴ 4'41	21 ²¹ 45	13 ¹³ 43	11 ¹¹ 36	19 ¹⁹ 33	18 ¹⁸ 43	8 ⁸ 17	17 ¹⁷ 44	19 ¹⁹ 0	12 ¹² 29	12 ¹² 54	13 ¹³ 56	6 ⁶ 11	29 ²⁹ 7	T 15	
W16	17 37 17	25 ²⁵ 2'04	3 ³ II45	13 ¹³ 55	12 ¹² 49	20 ²⁰ 12	18 ¹⁸ 53	8 ⁸ 13	17 ¹⁷ 44	19 ¹⁹ 2	12 ¹² 29	12 ¹² 51	13 ¹³ 52	6 ⁶ 18	29 ²⁹ 10	W16	
T 17	17 41 14	25 ²⁵ 59'26	15 ¹⁵ 52	14 ¹⁴ 3	14 ¹⁴ 2	20 ²⁰ 50	19 ¹⁹ 2	8 ⁸ 9	17 ¹⁷ 43	19 ¹⁹ 4	12 ¹² 29	12 ¹² 49	13 ¹³ 49	6 ⁶ 24	29 ²⁹ 12	T 17	
F 18	17 45 10	26 ²⁶ 56'47	28 ²⁸ 8	14 ¹⁴ R 5	15 ¹⁵ 16	21 ²¹ 29	19 ¹⁹ 12	8 ⁸ 5	17 ¹⁷ 43	19 ¹⁹ 6	12 ¹² 29	12 ¹² 48	13 ¹³ 46	6 ⁶ 31	29 ²⁹ 14	F 18	
S 19	17 49 7	27 ²⁷ 54'08	10 ¹⁰ 36	14 ¹⁴ 4	16 ¹⁶ 29	22 ²² 7	19 ¹⁹ 21	8 ⁸ 0	17 ¹⁷ 43	19 ¹⁹ 9	12 ¹² 28	12 ¹² D47	13 ¹³ 43	6 ⁶ 38	29 ²⁹ 16	S 19	
S 20	17 53 4	28 ²⁸ 51'28	23 ²³ 15	13 ¹³ 57	17 ¹⁷ 42	22 ²² 46	19 ¹⁹ 30	7 ⁷ 56	17 ¹⁷ 42	19 ¹⁹ 11	12 ¹² 28	12 ¹² 47	13 ¹³ 40	6 ⁶ 45	29 ²⁹ 19	S 20	
M21	17 57 0	29 ²⁹ 48'47	6 ⁶ 17	13 ¹³ 47	18 ¹⁸ 56	23 ²³ 24	19 ¹⁹ 39	7 ⁷ 52	17 ¹⁷ 42	19 ¹⁹ 13	12 ¹² 28	12 ¹² 48	13 ¹³ 37	6 ⁶ 51	29 ²⁹ 21	M21	
T 22	18 0 57	0 ⁰ 46'06	19 ¹⁹ 13	13 ¹³ 32	20 ²⁰ 9	24 ²⁴ 3	19 ¹⁹ 48	7 ⁷ 47	17 ¹⁷ 42	19 ¹⁹ 15	12 ¹² D28	12 ¹² 49	13 ¹³ 33	6 ⁶ 58	29 ²⁹ 23	T 22	
W23	18 4 53	1 ¹ 43'23	2 ² II34	13 ¹³ 13	21 ²¹ 22	24 ²⁴ 41	19 ¹⁹ 57	7 ⁷ 43	17 ¹⁷ 42	19 ¹⁹ 17	12 ¹² 28	12 ¹² 50	13 ¹³ 30	7 ⁷ 5	29 ²⁹ 25	W23	
T 24	18 8 50	2 ² 40'40	16 ¹⁶ 10	12 ¹² 51	22 ²² 35	25 ²⁵ 19	20 ²⁰ 6	7 ⁷ 39	17 ¹⁷ 42	19 ¹⁹ 20	12 ¹² 28	12 ¹² 51	13 ¹³ 27	7 ⁷ 11	29 ²⁹ 27	T 24	
F 25	18 12 46	3 ³ 37'56	0 ⁰ 12	12 ¹² 26	23 ²³ 48	25 ²⁵ 58	20 ²⁰ 14	7 ⁷ 34	17 ¹⁷ D42	19 ¹⁹ 22	12 ¹² 28	12 ¹² R51	13 ¹³ 24	7 ⁷ 18	29 ²⁹ 29	F 25	
S 26	18 16 43	4 ⁴ 35'12	14 ¹⁴ 9	11 ¹¹ 57	25 ²⁵ 2	26 ²⁶ 36	20 ²⁰ 22	7 ⁷ 30	17 ¹⁷ 42	19 ¹⁹ 24	12 ¹² 28	12 ¹² 51	13 ¹³ 21	7 ⁷ 25	29 ²⁹ 31	S 26	
S 27	18 20 39	5 ⁵ 32'26	28 ²⁸ 29	11 ¹¹ 26	26 ²⁶ 15	27 ²⁷ 14	20 ²⁰ 31	7 ⁷ 25	17 ¹⁷ 42	19 ¹⁹ 26	12 ¹² 29	12 ¹² 51	13 ¹³ 17	7 ⁷ 31	29 ²⁹ 33	S 27	
M28	18 24 36	6 ⁶ 29'40	12 ¹² II59	10 ¹⁰ 53	27 ²⁷ 28	27 ²⁷ 53	20 ²⁰ 39	7 ⁷ 21	17 ¹⁷ 42	19 ¹⁹ 28	12 ¹² 29	12 ¹² 50	13 ¹³ 14	7 ⁷ 38	29 ²⁹ 35	M28	
T 29	18 28 33	7 ⁷ 26'54	27 ²⁷ 36	10 ¹⁰ 19	28 ²⁸ 41	28 ²⁸ 31	20 ²⁰ 47	7 ⁷ 16	17 ¹⁷ 42	19 ¹⁹ 31	12 ¹² 29	12 ¹² 50	13 ¹³ 11	7 ⁷ 45	29 ²⁹ 37	T 29	
W30	18 32 29	8 ⁸ 24'07	12 ¹² 13	9 ⁹ 344	29 ²⁹ 54	29 ²⁹ 9	20 ²⁰ Y55	7 ⁷ 12	17 ¹⁷ 42	19 ¹⁹ II33	12 ¹² 29	12 ¹² 50	13 ¹³ 8	7 ⁷ 52	29 ²⁹ Y38	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	decl	lat
T 1	22n 1	13s 9	4n15	25n26	2n 4	23n55	0n38	24n 8	1n 9	5n19	1s10	22s12	0n54	6s26	0n39	21n31	1s24	10n54	17n14	22n46	22n36	8n29	11n30	0n37			
W 2	22 9	17 30	3 20	25 18	1 59	24 1	0 40	24 5	1 9	5 23	1 10	22 12	0 54	6 25	0 39	21 31	1 24	10 54	17 14	22 46	22 37	8 31	11 31	0 37			
T 3	22 17	20 42	2 12	25 10	1 53	24 5	0 42	24 2	1 9	5 27	1 10	22 13	0 54	6 25	0 39	21 32	1 24	10 54	17 13	22 46	22 37	8 34	11 32	0 37			
F 4	22 24	22 27	0 56	25 0	1 46	24 8	0 45	23 58	1 9	5 31	1 10	22 13	0 53	6 24	0 39	21 32	1 24	10 54	17 13	22 46	22 37	8 36	11 33	0 37			
S 5	22 31	22 42	0s22	24 49	1 38	24 11	0 47	23 54	1 9	5 35	1 10	22 13	0 53	6 24	0 39	21 32	1 24	10 53	17 12	22 46	22 38	8 39	11 34	0 37			
S 6	22 37	21 31	1 36	24 37	1 30	24 14	0 49	23 51	1 9	5 39	1 11	22 13	0 53	6 24	0 39	21 32	1 24	10 53	17 12	22 46	22 38	8 41	11 35	0 37			
M 7	22 43	19 9	2 43	24 24	1 20	24 15	0 51	23 47	1 9	5 43	1 11	22 14	0 53	6 23	0 39	21 32	1 24	10 53	17 11	22 46	22 38	8 44	11 36	0 37			
T 8	22 49	15 52	3 39	24 11	1 10	24 16	0 53	23 43	1 9	5 47	1 11	22 14	0 53	6 23	0 39	21 33	1 24	10 53	17 11	22 46	22 39	8 46	11 37	0 37			
W 9	22 54	11 57	4 23	23 56	0 59	24 16	0 56	23 38	1 9	5 51	1 11	22 14	0 53	6 23	0 39	21 33	1 24	10 52	17 10	22 46	22 39	8 49	11 38	0 37			
T 10	22 59	7 38	4 54	23 41	0 48	24 15	0 58	23 34	1 10	5 55	1 11	22 15	0 53	6 22	0 39	21 33	1 24	10 52	17 10	22 46	22 39	8 51	11 39	0 37			
F 11	23 3	3 6	5 11	23 26	0 35	24 14	1 0	23 29	1 10	5 58	1 11	22 15	0 53	6 22	0 39	21 33	1 24	10 52	17 9	22 46	22 40	8 54	11 39	0 36			
S 12	23 7	1n30	5 14	23 10	0 22	24 12	1 2	23 24	1 10	6 2	1 12	22 15	0 53	6 22	0 39	21 33	1 24	10 51	17 9	22 46	22 40	8 56	11 40	0 36			
S 13	23 11	6 1	5 4	22 54	0 8	24 9	1 4	23 19	1 10	6 6	1 12	22 16	0 53	6 22	0 39	21 34	1 24	10 51	17 8	22 46	22 40	8 59	11 41	0 36			
M14	23 14	10 18	4 41	22 38	0s 6	24 6	1 6	23 14	1 10	6 9	1 12	22 16	0 53	6 22	0 39	21 34	1 24	10 51	17 8	22 47	22 41	9 1	11 42	0 36			
T 15	23 17	14 14	4 5	22 21	0 21	24 1	1 7	23 8	1 10	6 13	1 12	22 16	0 53	6 21	0 39	21 34	1 24	10 50	17 7	22 47	22 41	9 4	11 43	0 36			
W16	23 19	17 37	3 19	22 5	0 37	23 56	1 9	23 3	1 10	6 16	1 12	22 16	0 53	6 21	0 39	21 34	1 24	10 50	17 7	22 47	22 41	9 6	11 44	0 36			
T 17	23 21	20 17	2 23	21 48	0 52	23 51	1 11	22 57	1 10	6 20	1 13	22 17	0 53	6 21	0 39	21 34	1 24	10 49	17 6	22 48	22 42	9 9	11 44	0 36			
F 18	23 22	22 4	1 20	21 32	1 9	23 45	1 13	22 51	1 10	6 23	1 13	22 17	0 53	6 21	0 39	21 34	1 24	10 49	17 6	22 48	22 42	9 11	11 45	0 36			
S 19	23 24	22 47	0 12	21 15	1 25	23 38	1 14	22 45	1 10	6 26	1 13	22 17	0 53	6 21	0 39	21 35	1 24	10 49	17 5	22 48	22 42	9 14	11 46	0 36			
S 20	23 24	22 21	0n58	20 59	1 42	23 30	1 16	22 39	1 10	6 29	1 13	22 18	0 53	6 21	0 39	21 35	1 24	10 48	17 5	22 48	22 43	9 16	11 47	0 36			
M21	23 25	20 45	2 6	20 44	1 59	23 21	1 18	22 32	1 10	6 33	1 13	22 18	0 53	6 21	0 39	21 35	1 24	10 48	17 4	22 48	22 43	9 19	11 47	0 36			
T 22	23 24	18 1	3 8	20 28	2 16	23 12	1 19	22 26	1 10	6 36	1 14	22 18	0 52	6 21	0 38	21 35	1 24	10 47	17 3	22 48	22 43	9 21	11 48	0 36			
W23	23 24	14 18	4 2	20 14	2 32	23 3	1 21	22 19	1 10	6 39	1 14	22 19	0 52	6 21	0 38	21 35	1 24	10 47	17 3	22 47	22 44	9 24	11 49	0 36			
T 24	23 23	9 48	4 43	20 0	2 48	22 52	1 22	22 12	1 10	6 42	1 14	22 19	0 52	6 21	0 38	21 36	1 24	10 46	17 2	22 47	22 44	9 26	11 49	0 36			
F 25	23 22	4 43	5 9	19 46	3 4	22 41	1 24	22 5	1 10	6 45	1 14	22 19	0 52	6 21	0 38	21 36	1 24	10 46	17 2	22 47	22 44	9 29	11 50	0 36			
S 26	23 20	0s42	5 17	19 34	3 19	22 29	1 25	21 58	1 10	6 48	1 15	22 20	0 52	6 21	0 38	21 36	1 24	10 45	17 1	22 47	22 44	9 31	11 51	0 36			
S 27	23 18	6 10	5 5	19 22	3 33	22 17	1 26	21 50	1 10	6 51	1 15	22 20	0 52	6 21	0 38	21 36	1 24	10 45	17 1	22 47	22 45	9 34	11 51	0 36			
M28	23 15	11 21	4 34	19 12	3 47	22 4	1 27	21 43	1 10	6 54	1 15	22 20	0 52	6 21	0 38	21 36	1 24	10 44	17 0	22 47	22 45	9 36	11 52	0 36			
T 29	23 12	15 56	3 45	19 2	3 59	21 51	1 28	21 35	1 10	6 56	1 15	22 21	0 52	6 21	0 38	21 36	1 24	10 44	17 0	22 48	22 45	9 39	11 53	0 36			
W30	23n 9	19s33	2n42	18n54	4s10	21n36	1n30	21n27	1n10	6n59	1s15	22s21	0n52	6s21	0n38	21n36	1s24	10n43	16n59	22n48	22n46	9n41	11n53	0n36			

ASTRODIENST EPHEMERIS for the year 2224
geocentric

JULY 2224

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 36 26	9°21'20	26°44	9°R 8	1°L 7	29°48	21°Y 2	7°R 8	17°43	19°37	12°30	12°R49	13°5	7°58	29°Y40	T 1
F 2	18 40 22	10°18'32	11°34	8°33	2°20	0°26	21°10	7°3	17°43	19°37	12°30	12°D49	13°2	8°5	29°42	F 2
S 3	18 44 19	11°15'44	25°8	7°59	3°33	1°4	21°17	6°59	17°43	19°39	12°30	12°58	12°58	8°12	29°43	S 3
S 4	18 48 15	12°12'56	8°51	7°26	4°46	1°43	21°25	6°54	17°44	19°41	12°30	12°49	12°55	8°18	29°45	S 4
M 5	18 52 12	13°10'08	22°12	6°56	5°59	2°21	21°32	6°50	17°44	19°43	12°31	12°R49	12°52	8°25	29°46	M 5
T 6	18 56 8	14°7'20	5°12	6°28	7°12	2°59	21°39	6°46	17°45	19°45	12°31	12°49	12°49	8°32	29°48	T 6
W 7	19 0 5	15°4'32	17°51	6°3	8°25	3°37	21°46	6°41	17°45	19°47	12°32	12°48	12°46	8°39	29°49	W 7
T 8	19 4 2	16°1'44	0°12	5°42	9°38	4°16	21°52	6°37	17°46	19°50	12°32	12°48	12°43	8°45	29°51	T 8
F 9	19 7 58	16°58'56	12°20	5°25	10°51	4°54	21°59	6°33	17°47	19°52	12°33	12°D48	12°39	8°52	29°52	F 9
S 10	19 11 55	17°56'09	24°18	5°12	12°3	5°32	22°5	6°28	17°47	19°54	12°33	12°48	12°36	8°59	29°53	S 10
S 11	19 15 51	18°53'22	6°11	5°4	13°16	6°10	22°11	6°24	17°48	19°56	12°34	12°48	12°33	9°5	29°55	S 11
M12	19 19 48	19°50'35	18°3	5°D 0	14°29	6°48	22°17	6°20	17°49	19°58	12°35	12°49	12°30	9°12	29°56	M12
T 13	19 23 44	20°47'49	29°59	5°2	15°42	7°27	22°23	6°16	17°50	20°0	12°35	12°50	12°27	9°19	29°57	T 13
W14	19 27 41	21°45'03	12°11	5°8	16°55	8°5	22°29	6°11	17°51	20°2	12°36	12°51	12°23	9°26	29°58	W14
T 15	19 31 37	22°42'17	24°19	5°20	18°7	8°43	22°34	6°7	17°52	20°4	12°37	12°51	12°20	9°32	29°59	T 15
F 16	19 35 34	23°39'32	6°47	5°37	19°20	9°21	22°40	6°3	17°53	20°5	12°37	12°R52	12°17	9°39	0°0	F 16
S 17	19 39 31	24°36'47	19°31	6°0	20°33	9°59	22°45	5°59	17°54	20°7	12°38	12°52	12°14	9°46	0°1	S 17
S 18	19 43 27	25°34'02	2°31	6°28	21°46	10°37	22°50	5°55	17°55	20°9	12°39	12°51	12°11	9°52	0°2	S 18
M19	19 47 24	26°31'18	15°46	7°1	22°58	11°16	22°55	5°51	17°56	20°11	12°40	12°50	12°8	9°59	0°3	M19
T 20	19 51 20	27°28'34	29°16	7°39	24°11	11°54	23°0	5°47	17°58	20°13	12°41	12°48	12°4	10°6	0°3	T 20
W21	19 55 17	28°25'50	12°59	8°23	25°24	12°32	23°4	5°43	17°59	20°15	12°42	12°46	12°1	10°13	0°4	W21
T 22	19 59 13	29°23'06	26°53	9°12	26°36	13°10	23°8	5°39	18°0	20°17	12°43	12°44	11°58	10°19	0°5	T 22
F 23	20 3 10	0°20'22	10°56	10°6	27°49	13°48	23°13	5°35	18°2	20°19	12°44	12°43	11°55	10°26	0°5	F 23
S 24	20 7 6	1°17'38	25°6	11°5	29°1	14°26	23°17	5°32	18°3	20°20	12°45	12°D42	11°52	10°33	0°6	S 24
S 25	20 11 3	2°14'55	9°11	12°9	0°14	15°5	23°20	5°28	18°5	20°22	12°46	12°42	11°49	10°39	0°7	S 25
M26	20 15 0	3°12'12	23°33	13°18	1°26	15°43	23°24	5°24	18°6	20°24	12°47	12°43	11°45	10°46	0°7	M26
T 27	20 18 56	4°9'29	7°48	14°32	2°39	16°21	23°27	5°21	18°8	20°26	12°48	12°44	11°42	10°53	0°7	T 27
W28	20 22 53	5°6'46	21°58	15°51	3°51	16°59	23°31	5°17	18°10	20°27	12°49	12°45	11°39	10°59	0°8	W28
T 29	20 26 49	6°4'04	6°3	17°14	5°3	17°37	23°34	5°14	18°11	20°29	12°50	12°R46	11°36	11°6	0°8	T 29
F 30	20 30 46	7°1'23	19°57	18°42	6°16	18°15	23°37	5°10	18°13	20°31	12°51	12°46	11°33	11°13	0°8	F 30
S 31	20 34 42	7°58'42	3°40	20°14	7°28	18°53	23°Y39	5°3	18°15	20°32	12°53	12°45	11°29	11°20	0°9	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	23n 5	21s54	1n28	18n46	4s20	21n21	1n31	21n19	1n10	7n 2	1s16	22s21	0n52	6s21	0n38	21n37
F 2	23 1	22 47	0 10	18 40	4 28	21 6	1 32	21 11	1 10	7 4	1 16	22 22	0 52	6 21	0 38	21 37
S 3	22 56	22 12	1 s 8	18 35	4 35	20 50	1 32	21 2	1 10	7 7	1 16	22 22	0 52	6 22	0 38	21 37
S 4	22 51	20 16	2 19	18 32	4 41	20 33	1 33	20 54	1 10	7 9	1 16	22 22	0 52	6 22	0 38	21 37
M 5	22 46	17 16	3 22	18 30	4 45	20 16	1 34	20 45	1 10	7 12	1 17	22 23	0 51	6 22	0 38	21 37
T 6	22 40	13 29	4 11	18 29	4 47	19 59	1 35	20 37	1 10	7 14	1 17	22 23	0 51	6 22	0 38	21 37
W 7	22 33	9 12	4 48	18 29	4 48	19 40	1 35	20 28	1 10	7 17	1 17	22 23	0 51	6 22	0 38	21 38
T 8	22 27	4 39	5 9	18 31	4 47	19 21	1 36	20 19	1 10	7 19	1 17	22 24	0 51	6 23	0 38	21 38
F 9	22 20	0 0	5 17	18 34	4 45	19 2	1 36	20 9	1 10	7 21	1 18	22 24	0 51	6 23	0 38	21 38
S 10	22 13	4n35	5 11	18 38	4 41	18 42	1 37	20 0	1 10	7 23	1 18	22 24	0 51	6 23	0 38	21 38
S 11	22 5	8 59	4 51	18 43	4 36	18 22	1 37	19 51	1 10	7 25	1 18	22 24	0 51	6 24	0 38	21 38
M12	21 57	13 2	4 19	18 49	4 30	18 1	1 37	19 41	1 10	7 27	1 18	22 25	0 51	6 24	0 38	21 38
T 13	21 48	16 36	3 36	18 57	4 22	17 40	1 38	19 31	1 10	7 29	1 19	22 25	0 51	6 24	0 38	21 38
W14	21 39	19 31	2 42	19 5	4 14	17 18	1 38	19 21	1 10	7 31	1 19	22 25	0 51	6 25	0 38	21 38
T 15	21 30	21 36	1 41	19 14	4 5	16 56	1 38	19 11	1 10	7 33	1 19	22 26	0 50	6 25	0 38	21 39
F 16	21 20	22 41	0 34	19 23	3 54	16 33	1 38	19 1	1 10	7 35	1 19	22 26	0 50	6 26	0 38	21 39
S 17	21 10	22 36	0n37	19 33	3 43	16 10	1 38	18 51	1 10	7 36	1 20	22 26	0 50	6 26	0 37	21 39
S 18	21 0	21 18	1 47	19 44	3 31	15 46	1 37	18 41	1 10	7 38	1 20	22 27	0 50	6 27	0 37	21 39
M19	20 49	18 50	2 52	19 55	3 19	15 22	1 37	18 30	1 10	7 39	1 20	22 27	0 50	6 27	0 37	21 39
T 20	20 38	15 17	3 49	20 5	3 6	14 58	1 37	18 19	1 10	7 41	1 20	22 27	0 50	6 28	0 37	21 39
W21	20 27	10 53	4 34	20 16	2 53	14 33	1 36	18 9	1 10	7 42	1 21	22 27	0 50	6 28	0 37	21 39
T 22	20 15	5 52	5 3	20 27	2 39	14 8	1 36	17 58	1 10	7 44	1 21	22 28	0 50	6 29	0 37	21 39
F 23	20 3	0 31	5 15	20 37	2 25	13 43	1 35	17 47	1 10	7 45	1 21	22 28	0 50	6 29	0 37	21 40
S 24	19 51	4s55	5 8	20 46	2 11	13 17	1 35	17 36	1 10	7 46	1 21	22 28	0 49	6 30	0 37	21 40
S 25	19 38	10 7	4 42	20 55	1 57	12 51	1 34	17 24	1 10	7 47	1 22	22 29	0 49	6 31	0 37	21 40
M26	19 25	14 47	3 59	21 3	1 42	12 24	1 33	17 13	1 10	7 48	1 22	22 29	0 49	6 31	0 37	21 40
T 27	19 12	18 36	3 1	21 10	1 28	11 57	1 32	17 2	1 10	7 50	1 22	22 29	0 49	6 32	0 37	21 40
W28	18 58	21 18	1 52	21 15	1 13	11 30	1 31	16 50	1 10	7 50	1 23	22 29	0 49	6 33	0 37	21 40
T 29	18 44	22 39	0 37	21 19	0 59	11 3	1 30	16 38	1 10	7 51	1 23	22 30	0 49	6 33	0 37	21 40
F 30	18 30	22 35	0s39	21 22	0 45	10 35	1 29	16 26	1 9	7 52	1 23	22 30	0 49	6 34	0 37	21 40
S 31	18n15	21s 8	1s52	21n22	0s31	10n 7	1n28	16n15	1n 9	7n53	1s23	22s30	0n49	6s35	0n37	21n40

Julian Day Number = 2533540.5, Delta T = 188.94 sec
Ecliptic obliquity = 23°24'34, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°52'40, Lahiri = 26°59'40

ASTRODIENST EPHEMERIS for the year 2224

geocentric

AUGUST 2224

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 38 39	8♂56'01	17♂ 8	21♂51	8♂40	19♂31	23♂42	5°R 4	18♂17	20♂34	12♂54	12°R42	11♂26	11♂26	0♂ 9	S 1
M 2	20 42 35	9°53'22	0♂19	23°31	9°53	20° 9	23°44	5° 0	18°19	20°36	12°55	12°39	11°23	11°33	0° 9	M 2
T 3	20 46 32	10°50'43	13°12	25°15	11° 5	20°48	23°46	4°57	18°21	20°37	12°56	12°35	11°20	11°40	0°R 9	T 3
W 4	20 50 29	11°48'05	25°48	27° 3	12°17	21°26	23°48	4°54	18°22	20°39	12°58	12°30	11°17	11°46	0° 9	W 4
T 5	20 54 25	12°45'28	8♂ 9	28°54	13°29	22° 4	23°50	4°51	18°25	20°40	12°59	12°26	11°14	11°53	0° 9	T 5
F 6	20 58 22	13°42'52	20°16	0♂47	14°41	22°42	23°51	4°48	18°27	20°42	13° 0	12°22	11°10	12° 0	0° 9	F 6
S 7	21 2 18	14°40'17	2♂14	2°43	15°53	23°20	23°53	4°45	18°29	20°43	13° 2	12°20	11° 7	12° 6	0° 8	S 7
S 8	21 6 15	15°37'44	14° 7	4°41	17° 5	23°58	23°54	4°42	18°31	20°45	13° 3	12°D19	11° 4	12°13	0° 8	S 8
M 9	21 10 11	16°35'11	25°59	6°42	18°17	24°36	23°55	4°40	18°33	20°46	13° 5	12°20	11° 1	12°20	0° 8	M 9
T 10	21 14 8	17°32'40	7♂56	8°43	19°29	25°14	23°56	4°37	18°35	20°48	13° 6	12°21	10°58	12°27	0° 7	T 10
W11	21 18 4	18°30'11	20° 2	10°46	20°41	25°52	23°56	4°34	18°38	20°49	13° 8	12°23	10°55	12°33	0° 7	W11
T 12	21 22 1	19°27'42	2♂22	12°49	21°53	26°31	23°57	4°32	18°40	20°50	13° 9	12°24	10°51	12°40	0° 7	T 12
F 13	21 25 58	20°25'15	14°59	14°53	23° 5	27° 9	23°R57	4°29	18°42	20°52	13°11	12°R24	10°48	12°47	0° 6	F 13
S 14	21 29 54	21°22'49	27°56	16°56	24°17	27°47	23°57	4°27	18°45	20°53	13°13	12°23	10°45	12°53	0° 6	S 14
S 15	21 33 51	22°20'24	11♂14	19° 0	25°29	28°25	23°57	4°25	18°47	20°54	13°14	12°20	10°42	13° 0	0° 5	S 15
M16	21 37 47	23°18'00	24°53	21° 4	26°40	29° 3	23°56	4°23	18°50	20°56	13°16	12°16	10°39	13° 7	0° 4	M16
T 17	21 41 44	24°15'38	8♂49	23° 6	27°52	29°41	23°55	4°21	18°52	20°57	13°17	12°10	10°35	13°14	0° 4	T 17
W18	21 45 40	25°13'16	23° 0	25° 8	29° 4	0♂19	23°55	4°19	18°55	20°58	13°19	12° 3	10°32	13°20	0° 3	W18
T 19	21 49 37	26°10'56	7♂20	27° 9	0♂15	0°57	23°54	4°17	18°57	20°59	13°21	11°56	10°29	13°27	0° 2	T 19
F 20	21 53 33	27° 8'37	21°43	29°10	1°27	1°36	23°52	4°15	19° 0	21° 0	13°23	11°51	10°26	13°34	0° 1	F 20
S 21	21 57 30	28° 6'18	6♂ 5	1♂ 9	2°39	2°14	23°51	4°13	19° 3	21° 2	13°24	11°47	10°23	13°40	0° 0	S 21
S 22	22 1 27	29° 4'01	20°22	3° 6	3°50	2°52	23°49	4°12	19° 5	21° 3	13°26	11°45	10°20	13°47	29♂59	S 22
M23	22 5 23	0♂145	4♂31	5° 3	5° 2	3°30	23°48	4°10	19° 8	21° 4	13°28	11°D45	10°16	13°54	29°58	M23
T 24	22 9 20	0°59'30	18°31	6°58	6°13	4° 8	23°45	4° 9	19°11	21° 5	13°30	11°46	10°13	14° 0	29°57	T 24
W25	22 13 16	1°57'16	2♂21	8°52	7°24	4°46	23°43	4° 7	19°14	21° 6	13°32	11°47	10°10	14° 7	29°56	W25
T 26	22 17 13	2°55'03	16° 1	10°45	8°36	5°24	23°41	4° 6	19°17	21° 7	13°34	11°R47	10° 7	14°14	29°55	T 26
F 27	22 21 9	3°52'51	29°31	12°36	9°47	6° 3	23°38	4° 5	19°20	21° 8	13°35	11°45	10° 4	14°21	29°53	F 27
S 28	22 25 6	4°50'40	12♂49	14°26	10°58	6°41	23°35	4° 4	19°23	21° 9	13°37	11°42	10° 1	14°27	29°52	S 28
S 29	22 29 2	5°48'31	25°56	16°14	12° 9	7°19	23°33	4° 3	19°26	21° 9	13°39	11°36	9°57	14°34	29°51	S 29
M30	22 32 59	6°46'23	8♂50	18° 2	13°20	7°57	23°29	4° 2	19°29	21°10	13°41	11°27	9°54	14°41	29°49	M30
T 31	22 36 56	7♂44'17	21♂31	19♂47	14♂31	8♂35	23♂26	4° 1	19°32	21°11	13°43	11°28	9°55	14°47	29♂48	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	18n 0	18s30	2s57	21n21	0s18	9n39	1n27	16n 3	1n 9	7n54	1s24	22s30	0n48	6s35	0n37	21n40
M 2	17 45	14 58	3 52	21 17	0 5	9 11	1 26	15 50	1 9	7 54	1 24	22 31	0 48	6 36	0 37	21 41
T 3	17 29	10 47	4 33	21 11	0n 7	8 42	1 24	15 38	1 9	7 55	1 24	22 31	0 48	6 37	0 37	21 41
W 4	17 14	6 15	4 59	21 2	0 19	8 13	1 23	15 26	1 9	7 55	1 24	22 31	0 48	6 38	0 37	21 41
T 5	16 58	1 33	5 12	20 51	0 31	7 44	1 21	15 14	1 9	7 56	1 25	22 31	0 48	6 38	0 37	21 41
F 6	16 41	3n 8	5 9	20 38	0 41	7 15	1 20	15 1	1 9	7 56	1 25	22 32	0 48	6 39	0 37	21 41
S 7	16 25	7 38	4 54	20 21	0 51	6 45	1 18	14 48	1 9	7 56	1 25	22 32	0 48	6 40	0 37	21 41
S 8	16 8	11 49	4 26	20 2	1 0	6 16	1 16	14 36	1 9	7 56	1 25	22 32	0 47	6 41	0 37	21 41
M 9	15 51	15 34	3 46	19 41	1 8	5 46	1 14	14 23	1 9	7 56	1 26	22 32	0 47	6 42	0 37	21 41
T 10	15 33	18 42	2 57	19 17	1 16	5 16	1 12	14 10	1 8	7 56	1 26	22 33	0 47	6 43	0 37	21 41
W11	15 16	21 4	1 59	18 50	1 22	4 46	1 10	13 57	1 8	7 56	1 26	22 33	0 47	6 44	0 37	21 41
T 12	14 58	22 29	0 54	18 21	1 28	4 16	1 8	13 44	1 8	7 56	1 27	22 33	0 47	6 45	0 37	21 41
F 13	14 40	22 48	0n14	17 50	1 33	3 45	1 6	13 31	1 8	7 56	1 27	22 33	0 47	6 45	0 36	21 41
S 14	14 21	21 55	1 23	17 17	1 37	3 15	1 4	13 18	1 8	7 56	1 27	22 33	0 47	6 46	0 36	21 41
S 15	14 3	19 47	2 30	16 42	1 40	2 44	1 2	13 4	1 8	7 55	1 27	22 34	0 46	6 47	0 36	21 41
M16	13 44	16 30	3 40	16 5	1 43	2 14	0 59	12 51	1 8	7 55	1 28	22 34	0 46	6 48	0 36	21 41
T 17	13 25	12 14	4 18	15 27	1 44	1 43	0 57	12 38	1 8	7 55	1 28	22 34	0 46	6 49	0 36	21 41
W18	13 6	7 14	4 52	14 47	1 45	1 12	0 54	12 24	1 8	7 54	1 28	22 34	0 46	6 50	0 36	21 42
T 19	12 47	1 48	5 7	14 6	1 46	0 41	0 52	12 10	1 7	7 53	1 28	22 35	0 46	6 51	0 36	21 42
F 20	12 27	3s45	5 4	13 24	1 45	0 10	0 49	11 57	1 7	7 53	1 29	22 35	0 46	6 52	0 36	21 42
S 21	12 7	9 6	4 41	12 41	1 44	0s20	0 46	11 43	1 7	7 52	1 29	22 35	0 46	6 53	0 36	21 42
S 22	11 47	13 56	4 1	11 57	1 42	0 51	0 44	11 29	1 7	7 51	1 29	22 35	0 45	6 54	0 36	21 42
M23	11 27	17 57	3 7	11 12	1 40	1 22	0 41	11 15	1 7	7 50	1 29	22 35	0 45	6 56	0 36	21 42
T 24	11 7	20 53	2 2	10 27	1 37	1 53	0 38	11 1	1 7	7 49	1 30	22 36	0 45	6 57	0 36	21 42
W25	10 46	22 33	0 51	9 41	1 34	2 24	0 35	10 47	1 7	7 48	1 30	22 36	0 45	6 58	0 36	21 42
T 26	10 25	22 50	0s23	8 55	1 30	2 55	0 32	10 33	1 7	7 47	1 30	22 36	0 45	6 59	0 36	21 42
F 27	10 4	21 45	1 34	8 9	1 26	3 26	0 29	10 19	1 6	7 46	1 30	22 36	0 45	7 0	0 36	21 42
S 28	9 43	19 29	2 39	7 22	1 21	3 56	0 26	10 4	1 6	7 45	1 31	22 36	0 45	7 1	0 36	21 42
S 29	9 22	16 13	3 34	6 36	1 17	4 27	0 23	9 50	1 6	7 43	1 31	22 36	0 44	7 2	0 36	21 42
M30	9 1	12 13	4 17	5 49	1 11	4 57	0 20	9 36	1 6	7 42	1 31	22 37	0 44	7 3	0 36	21 42
T 31	8n39	7s45	4s47	5n 3	1n 6	5s28	0n16	9n21	1n 6	7n41	1s31	22s37	0n44	7s 5	0n36	21n42

Julian Day Number = 2533571.5, Delta T = 189.03 sec
 Ecliptic obliquity = 23°24'34", Nutation = - 0°00'15", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°52'44", Lahiri = 26°59'45"

ASTRODIENST EPHEMERIS for the year 2224
geocentric

SEPTEMBER 2224

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 40 52	8♐42'12	3♊59	21♐32	15♊42	9♐13	23°R22	4°R 0	19♊35	21♐12	13♊45	11°R 7	9♐48	14♊54	29°R47	W 1
T 2	22 44 49	9°40'09	16°14	23°15	16°53	9°51	23°Y19	4°Z 0	19°38	21°13	13°47	10°57	9°45	15° 1	29°Y45	T 2
F 3	22 48 45	10°38'08	28°18	24°57	18° 4	10°30	23°15	3°59	19°41	21°13	13°49	10°49	9°41	15° 7	29°44	F 3
S 4	22 52 42	11°36'08	10♊14	26°38	19°15	11° 8	23°11	3°59	19°44	21°14	13°51	10°42	9°38	15°14	29°42	S 4
S 5	22 56 38	12°34'11	22° 5	28°17	20°26	11°46	23° 6	3°58	19°47	21°15	13°53	10°37	9°35	15°21	29°40	S 5
M 6	23 0 35	13°32'15	3♐55	29°55	21°36	12°24	23° 2	3°58	19°50	21°15	13°55	10°35	9°32	15°27	29°39	M 6
T 7	23 4 31	14°30'21	15°50	1♊32	22°47	13° 2	22°57	3°58	19°54	21°16	13°57	10°D35	9°29	15°34	29°37	T 7
W 8	23 8 28	15°28'29	27°55	3° 8	23°58	13°41	22°53	3°D58	19°57	21°16	14° 0	10°35	9°26	15°41	29°35	W 8
T 9	23 12 24	16°26'39	10♐14	4°42	25° 8	14°19	22°48	3°58	20° 0	21°17	14° 2	10°R35	9°22	15°48	29°33	T 9
F 10	23 16 21	17°24'52	22°54	6°16	26°19	14°57	22°43	3°58	20° 3	21°17	14° 4	10°35	9°19	15°54	29°31	F 10
S 11	23 20 18	18°23'06	5♊57	7°48	27°29	15°35	22°37	3°59	20° 7	21°18	14° 6	10°32	9°16	16° 1	29°29	S 11
S 12	23 24 14	19°21'22	19°26	9°19	28°39	16°14	22°32	3°59	20°10	21°18	14° 8	10°27	9°13	16° 8	29°27	S 12
M13	23 28 11	20°19'39	3♐20	10°48	29°50	16°52	22°26	3°59	20°14	21°19	14°10	10°19	9°10	16°14	29°25	M13
T14	23 32 7	21°17'59	17°39	12°17	1♐ 0	17°30	22°20	4° 0	20°17	21°19	14°13	10°10	9° 6	16°21	29°23	T14
W15	23 36 4	22°16'21	2♊15	13°44	2°10	18° 9	22°14	4° 1	20°20	21°19	14°15	9°59	9° 3	16°28	29°21	W15
T16	23 40 0	23°14'44	17° 2	15°10	3°20	18°47	22° 8	4° 1	20°24	21°20	14°17	9°48	9° 0	16°34	29°19	T16
F17	23 43 57	24°13'09	1♐50	16°35	4°30	19°25	22° 2	4° 2	20°27	21°20	14°19	9°39	8°57	16°41	29°17	F17
S18	23 47 53	25°11'35	16°33	17°59	5°40	20° 4	21°56	4° 3	20°31	21°20	14°21	9°32	8°54	16°48	29°15	S18
S19	23 51 50	26°10'04	1♊ 4	19°21	6°50	20°42	21°49	4° 4	20°34	21°20	14°24	9°28	8°51	16°55	29°13	S19
M20	23 55 47	27° 8'33	15°18	20°42	8° 0	21°20	21°43	4° 5	20°38	21°20	14°26	9°26	8°47	17° 1	29°11	M20
T21	23 59 43	28° 7'05	29°16	22° 1	9°10	21°59	21°36	4° 7	20°41	21°21	14°28	9°D26	8°44	17° 8	29° 8	T21
W22	0 3 40	29° 5'38	12♊56	23°19	10°19	22°37	21°29	4° 8	20°45	21°21	14°30	9°R26	8°41	17°15	29° 6	W22
T23	0 7 36	0♊4'13	26°21	24°36	11°29	23°15	21°22	4° 9	20°49	21°21	14°33	9°25	8°38	17°21	29° 4	T23
F24	0 11 33	1° 2'49	9♊31	25°51	12°39	23°54	21°15	4°11	20°52	21°R21	14°35	9°22	8°35	17°28	29° 1	F24
S25	0 15 29	2° 1'27	22°29	27° 5	13°48	24°32	21° 8	4°13	20°56	21°21	14°37	9°16	8°32	17°35	28°59	S25
S26	0 19 26	3° 0'07	5♊16	28°16	14°57	25°10	21° 1	4°14	20°59	21°21	14°40	9° 8	8°28	17°41	28°56	S26
M27	0 23 22	3°58'48	17°52	29°27	16° 6	25°49	20°54	4°16	21° 3	21°21	14°42	8°57	8°25	17°48	28°54	M27
T28	0 27 19	4°57'31	0♊17	0♐35	17°16	26°27	20°46	4°18	21° 7	21°21	14°44	8°44	8°22	17°55	28°51	T28
W29	0 31 16	5°56'17	12°33	1°41	18°25	27° 6	20°39	4°20	21°10	21°20	14°47	8°30	8°19	18° 1	28°49	W29
T30	0 35 12	6♊55'04	24°Y40	2♐45	19♐34	27♐44	20°Y31	4°Z22	21♊14	21♐12	14♊49	8°516	8°516	18♊ 8	28°Y46	T30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	8n18	3s 2	5s 2	4n16	1n 0	5s58	0n13	9n 7	1n 6	7n39	1s32	22s37	0n44	7s 6	0n36	21n42
T 2	7 56	1n43	5 3	3 30	0 53	6 29	0 10	8 52	1 5	7 37	1 32	22 37	0 44	7 7	0 36	21 42
F 3	7 34	6 20	4 50	2 43	0 47	6 59	0 6	8 38	1 5	7 36	1 32	22 37	0 44	7 8	0 36	21 42
S 4	7 12	10 40	4 25	1 57	0 40	7 29	0 3	8 23	1 5	7 34	1 32	22 37	0 44	7 9	0 36	21 42
S 5	6 50	14 35	3 49	1 12	0 33	7 59	0s 1	8 8	1 5	7 32	1 32	22 38	0 43	7 11	0 36	21 42
M 6	6 28	17 55	3 3	0 26	0 26	8 29	0 4	7 54	1 5	7 30	1 33	22 38	0 43	7 12	0 36	21 42
T 7	6 6	20 32	2 8	0s19	0 19	8 58	0 8	7 39	1 5	7 29	1 33	22 38	0 43	7 13	0 36	21 42
W 8	5 43	22 17	1 7	1 4	0 12	9 28	0 11	7 24	1 4	7 27	1 33	22 38	0 43	7 14	0 36	21 42
T 9	5 21	22 59	0 2	1 48	0 4	9 57	0 15	7 9	1 4	7 25	1 33	22 38	0 43	7 16	0 36	21 42
F 10	4 58	22 32	1n 5	2 32	0s 3	10 26	0 19	6 54	1 4	7 23	1 33	22 38	0 43	7 17	0 36	21 42
S 11	4 35	20 52	2 11	3 16	0 11	10 55	0 22	6 39	1 4	7 20	1 34	22 38	0 43	7 18	0 36	21 42
S 12	4 13	18 0	3 11	3 59	0 19	11 23	0 26	6 24	1 4	7 18	1 34	22 39	0 42	7 19	0 36	21 42
M13	3 50	14 1	4 2	4 41	0 27	11 52	0 30	6 9	1 3	7 16	1 34	22 39	0 42	7 21	0 36	21 42
T14	3 27	9 9	4 39	5 23	0 35	12 20	0 33	5 54	1 3	7 14	1 34	22 39	0 42	7 22	0 36	21 42
W15	3 4	3 41	4 59	6 4	0 43	12 48	0 37	5 39	1 3	7 11	1 34	22 39	0 42	7 23	0 36	21 42
T16	2 41	2s 4	4 59	6 45	0 51	13 15	0 41	5 24	1 3	7 9	1 35	22 39	0 42	7 25	0 36	21 42
F17	2 18	7 43	4 59	7 25	0 59	13 43	0 45	5 9	1 3	7 6	1 35	22 39	0 42	7 26	0 36	21 42
S18	1 54	12 54	4 1	8 5	1 7	14 10	0 49	4 53	1 2	7 4	1 35	22 39	0 42	7 27	0 36	21 42
S19	1 31	17 17	3 8	8 43	1 15	14 37	0 53	4 38	1 2	7 1	1 35	22 39	0 41	7 29	0 36	21 42
M20	1 8	20 33	2 4	9 21	1 23	15 3	0 56	4 23	1 2	6 59	1 35	22 40	0 41	7 30	0 35	21 42
T21	0 45	22 31	0 54	9 59	1 31	15 29	1 0	4 8	1 2	6 56	1 35	22 40	0 41	7 31	0 35	21 42
W22	0 22	23 5	0s19	10 35	1 39	15 55	1 4	3 52	1 2	6 54	1 35	22 40	0 41	7 33	0 35	21 42
T23	0s 2	22 18	1 28	11 11	1 47	16 20	1 8	3 37	1 1	6 51	1 36	22 40	0 41	7 34	0 35	21 42
F24	0 25	20 17	2 32	11 45	1 55	16 45	1 12	3 22	1 1	6 48	1 36	22 40	0 41	7 35	0 35	21 42
S25	0 48	17 15	3 26	12 19	2 2	17 10	1 16	3 6	1 1	6 45	1 36	22 40	0 41	7 37	0 35	21 41
S26	1 12	13 26	4 10	12 52	2 10	17 34	1 20	2 51	1 1	6 43	1 36	22 40	0 40	7 38	0 35	21 41
M27	1 35	9 5	4 40	13 24	2 17	17 58	1 24	2 35	1 1	6 40	1 36	22 40	0 40	7 40	0 35	21 41
T28	1 58	4 25	4 56	13 55	2 24	18 22	1 28	2 20	1 0	6 37	1 36	22 40	0 40	7 41	0 35	21 41
W29	2 21	0n22	4 59	14 25	2 31	18 45	1 31	2 4	1 0	6 34	1 36	22 40	0 40	7 42	0 35	21 41
T30	2s45	5n 5	4s48	14s53	2s38	19s 8	1s35	1n49	1n 0	6n31	1s36	22s40	0n40	7s44	0n35	21n41

Julian Day Number = 2533602.5, Delta T = 189.13 sec
Ecliptic obliquity = 23°24'35, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°52'48, Lahiri = 26°59'49

ASTRODIENST EPHEMERIS for the year 2224
geocentric

OCTOBER 2224

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 39 9	7♂53'53	6♂39	3♂46	20♂42	28♂23	20°R23	4♂24	21♂18	21°R20	14♂51	8°R 4	8♂12	18♂15	28°R44	F 1
S 2	0 43 5	8°52'45	18°31	4°46	21°51	29° 1	20°Y16	4°27	21°22	21°II20	14°53	7♂54	8° 9	18°21	28°Y41	S 2
S 3	0 47 2	9°51'38	0II20	5°42	23° 0	29°39	20° 8	4°29	21°25	21°20	14°56	7°47	8° 6	18°28	28°39	S 3
M 4	0 50 58	10°50'34	12° 9	6°36	24° 8	0♂18	20° 0	4°31	21°29	21°19	14°58	7°43	8° 3	18°35	28°36	M 4
T 5	0 54 55	11°49'33	24° 2	7°26	25°17	0°56	19°52	4°34	21°33	21°19	15° 0	7°41	8° 0	18°42	28°33	T 5
W 6	0 58 51	12°48'33	6♂ 4	8°13	26°25	1°35	19°44	4°37	21°37	21°18	15° 3	7°40	7°57	18°48	28°31	W 6
T 7	1 2 48	13°47'36	18°20	8°57	27°33	2°14	19°36	4°39	21°40	21°18	15° 5	7°40	7°53	18°55	28°28	T 7
F 8	1 6 45	14°46'41	0♂56	9°36	28°41	2°52	19°28	4°42	21°44	21°18	15° 8	7°39	7°50	19° 2	28°25	F 8
S 9	1 10 41	15°45'48	13°57	10°11	29°49	3°31	19°20	4°45	21°48	21°17	15°10	7°37	7°47	19° 8	28°23	S 9
S 10	1 14 38	16°44'58	27°26	10°41	0♂57	4° 9	19°12	4°48	21°52	21°17	15°12	7°32	7°44	19°15	28°20	S 10
M 11	1 18 34	17°44'10	11♂25	11° 6	2° 5	4°48	19° 4	4°51	21°55	21°16	15°15	7°24	7°41	19°22	28°17	M 11
T 12	1 22 31	18°43'24	25°52	11°25	3°13	5°26	18°56	4°54	21°59	21°16	15°17	7°14	7°38	19°28	28°14	T 12
W 13	1 26 27	19°42'40	10♂42	11°38	4°20	6° 5	18°48	4°58	22° 3	21°15	15°19	7° 3	7°34	19°35	28°12	W 13
T 14	1 30 24	20°41'58	25°47	11°R44	5°28	6°44	18°40	5° 1	22° 7	21°14	15°22	6°52	7°31	19°42	28° 9	T 14
F 15	1 34 20	21°41'18	10♂57	11°43	6°35	7°22	18°31	5° 4	22°11	21°14	15°24	6°42	7°28	19°48	28° 6	F 15
S 16	1 38 17	22°40'41	26° 1	11°35	7°42	8° 1	18°23	5° 8	22°14	21°13	15°26	6°35	7°25	19°55	28° 3	S 16
S 17	1 42 13	23°40'05	10♂51	11°18	8°49	8°40	18°15	5°12	22°18	21°12	15°29	6°30	7°22	20° 2	28° 0	S 17
M 18	1 46 10	24°39'31	25°21	10°54	9°56	9°18	18° 7	5°15	22°22	21°12	15°31	6°28	7°18	20° 9	27°58	M 18
T 19	1 50 7	25°38'59	9♂27	10°20	11° 2	9°57	17°59	5°19	22°26	21°11	15°33	6°D28	7°15	20°15	27°55	T 19
W 20	1 54 3	26°38'28	23°10	9°39	12° 9	10°36	17°52	5°23	22°29	21°10	15°36	6°R28	7°12	20°22	27°52	W 20
T 21	1 58 0	27°37'59	6♂31	8°49	13°15	11°15	17°44	5°27	22°33	21° 9	15°38	6°28	7° 9	20°29	27°49	T 21
F 22	2 1 56	28°37'32	19°32	7°52	14°21	11°53	17°36	5°31	22°37	21° 8	15°40	6°26	7° 6	20°35	27°46	F 22
S 23	2 5 53	29°37'06	2♂18	6°48	15°27	12°32	17°28	5°35	22°41	21° 7	15°42	6°21	7° 3	20°42	27°44	S 23
S 24	2 9 49	0♂36'43	14°50	5°38	16°33	13°11	17°20	5°39	22°45	21° 6	15°45	6°14	6°59	20°49	27°41	S 24
M 25	2 13 46	1°36'21	27°11	4°25	17°39	13°50	17°13	5°43	22°48	21° 5	15°47	6° 5	6°56	20°55	27°38	M 25
T 26	2 17 42	2°36'00	9°Y23	3°10	18°44	14°29	17° 5	5°48	22°52	21° 4	15°49	5°53	6°53	21° 2	27°35	T 26
W 27	2 21 39	3°35'42	21°28	1°55	19°49	15° 7	16°58	5°52	22°56	21° 3	15°52	5°41	6°50	21° 9	27°32	W 27
T 28	2 25 36	4°35'26	3♂26	0°43	20°54	15°46	16°51	5°57	23° 0	21° 2	15°54	5°29	6°47	21°15	27°30	T 28
F 29	2 29 32	5°35'11	15°19	29♂36	21°59	16°25	16°43	6° 1	23° 3	21° 1	15°56	5°19	6°43	21°22	27°27	F 29
S 30	2 33 29	6°34'59	27° 9	28°35	23° 3	17° 4	16°36	6° 6	23° 7	21° 0	15°58	5°10	6°40	21°29	27°24	S 30
S 31	2 37 25	7♂34'49	8II58	27♂43	24♂ 8	17♂43	16°Y29	6♂10	23♂11	20II59	16♂ 1	5♂ 4	6♂37	21♂35	27°Y21	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	3s 8	9n34	4s24	15s20	2s45	19s30	1s39	1n33	1n 0	6n28	1s36	22s41	0n40	7s45	0n35	21n41
S 2	3 31	13 39	3 49	15 46	2 51	19 52	1 43	1 18	0 59	6 25	1 36	22 41	0 40	7 46	0 35	21 41
S 3	3 54	17 12	3 4	16 11	2 57	20 13	1 47	1 2	0 59	6 22	1 36	22 41	0 39	7 48	0 35	21 41
M 4	4 17	20 4	2 11	16 34	3 2	20 34	1 51	0 47	0 59	6 19	1 36	22 41	0 39	7 49	0 35	21 41
T 5	4 40	22 5	1 12	16 56	3 7	20 55	1 54	0 31	0 59	6 16	1 36	22 41	0 39	7 51	0 35	21 41
W 6	5 3	23 8	0 9	17 15	3 12	21 14	1 58	0 16	0 58	6 13	1 36	22 41	0 39	7 52	0 35	21 41
T 7	5 26	23 5	0n56	17 34	3 16	21 34	2 2	0 0	0 58	6 10	1 36	22 41	0 39	7 54	0 35	21 41
F 8	5 49	21 52	2 0	17 50	3 20	21 53	2 5	0s15	0 58	6 7	1 36	22 41	0 39	7 55	0 35	21 41
S 9	6 12	19 29	2 59	18 4	3 23	22 11	2 9	0 31	0 58	6 4	1 36	22 41	0 39	7 56	0 35	21 41
S 10	6 34	15 58	3 51	18 15	3 25	22 29	2 13	0 46	0 57	6 1	1 36	22 41	0 38	7 58	0 35	21 41
M 11	6 57	11 27	4 31	18 25	3 27	22 47	2 16	1 2	0 57	5 58	1 36	22 41	0 38	7 59	0 35	21 41
T 12	7 20	6 10	4 55	18 31	3 27	23 3	2 20	1 17	0 57	5 55	1 36	22 41	0 38	8 1	0 35	21 40
W 13	7 42	0 23	5 0	18 35	3 27	23 20	2 23	1 33	0 57	5 52	1 36	22 41	0 38	8 2	0 35	21 40
T 14	8 4	5s31	4 45	18 35	3 25	23 35	2 26	1 48	0 56	5 49	1 36	22 41	0 38	8 3	0 35	21 40
F 15	8 27	11 8	4 10	18 33	3 23	23 50	2 30	2 4	0 56	5 46	1 36	22 41	0 38	8 5	0 35	21 40
S 16	8 49	16 3	3 17	18 26	3 19	24 5	2 33	2 19	0 56	5 43	1 36	22 41	0 38	8 6	0 35	21 40
S 17	9 11	19 53	2 11	18 16	3 13	24 19	2 36	2 35	0 55	5 40	1 36	22 41	0 37	8 8	0 35	21 40
M 18	9 32	22 21	0 59	18 1	3 6	24 32	2 39	2 50	0 55	5 37	1 36	22 41	0 37	8 9	0 35	21 40
T 19	9 54	23 20	0s16	17 43	2 58	24 45	2 43	3 6	0 55	5 34	1 36	22 41	0 37	8 10	0 35	21 40
W 20	10 16	22 52	1 28	17 20	2 47	24 57	2 46	3 21	0 55	5 31	1 36	22 41	0 37	8 12	0 35	21 40
T 21	10 37	21 5	2 33	16 52	2 35	25 9	2 48	3 37	0 54	5 28	1 36	22 41	0 37	8 13	0 35	21 40
F 22	10 58	18 14	3 28	16 20	2 21	25 20	2 51	3 52	0 54	5 25	1 36	22 41	0 37	8 15	0 35	21 40
S 23	11 19	14 33	4 12	15 44	2 5	25 30	2 54	4 7	0 54	5 22	1 36	22 41	0 37	8 16	0 35	21 40
S 24	11 40	10 18	4 42	15 5	1 48	25 40	2 57	4 23	0 53	5 20	1 36	22 41	0 37	8 17	0 35	21 39
M 25	12 1	5 42	4 59	14 22	1 29	25 49	3 0	4 38	0 53	5 17	1 36	22 41	0 36	8 19	0 35	21 39
T 26	12 22	0 55	5 2	13 38	1 9	25 57	3 2	4 53	0 53	5 14	1 35	22 41	0 36	8 20	0 35	21 39
W 27	12 42	3n51	4 52	12 53	0 49	26 5	3 5	5 9	0 52	5 11	1 35	22 41	0 36	8 22	0 35	21 39
T 28	13 2	8 26	4 28	12 9	0 28	26 12	3 7	5 24	0 52	5 9	1 35	22 41	0 36	8 23	0 35	21 39
F 29	13 22	12 41	3 53	11 26	0 7	26 19	3 9	5 39	0 52	5 6	1 35	22 40	0 36	8 24	0 35	21 39
S 30	13 42	16 27	3 8	10 46	0n13	26 25	3 11	5 54	0 51	5 4	1 35	22 40	0 36	8 26	0 35	21 39
S 31	14s 1	19n33	2s15	10s10	0n32	26s30	3s13	6s 9	0n51	5n 1	1s35	22s40	0n36	8s27	0n35	21n39

Julian Day Number = 2533632.5, Delta T = 189.22 sec
Ecliptic obliquity = 23°24'36, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°52'53, Lahiri = 26°59'53

ASTRODIENST EPHEMERIS for the year 2224

geocentric

NOVEMBER 2224

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 41 22	8♉34'41	20♊48	27°R 1	25♈12	18♏22	16°R22	6♈15	23♏14	20°R58	16♏3	5°R 1	6♈34	21♈42	27°R19	M 1
T 2	2 45 18	9°34'34	2♈42	26♏30	26°16	19° 1	16°Y15	6°20	23°18	20♊57	16° 5	4°D59	6°31	21°49	27°Y16	T 2
W 3	2 49 15	10°34'31	14°44	26°11	27°19	19°40	16° 9	6°25	23°22	20°56	16° 7	5°D 0	6°28	21°55	27°13	W 3
T 4	2 53 11	11°34'29	26°59	26°D 2	28°22	20°19	16° 2	6°30	23°25	20°54	16° 9	5° 1	6°24	22° 2	27°10	T 4
F 5	2 57 8	12°34'29	9♊32	26° 6	29°25	20°58	15°56	6°35	23°29	20°53	16°11	5°R 2	6°21	22° 9	27° 8	F 5
S 6	3 1 5	13°34'31	22°28	26°20	0♈28	21°37	15°49	6°40	23°33	20°52	16°14	5° 1	6°18	22°16	27° 5	S 6
S 7	3 5 1	14°34'36	5♉50	26°44	1°31	22°16	15°43	6°45	23°36	20°51	16°16	4°59	6°15	22°22	27° 2	S 7
M 8	3 8 58	15°34'43	19°41	27°18	2°33	22°55	15°37	6°50	23°40	20°49	16°18	4°55	6°12	22°29	27° 0	M 8
T 9	3 12 54	16°34'51	4♏1	28° 0	3°35	23°34	15°31	6°56	23°43	20°48	16°20	4°49	6° 9	22°36	26°57	T 9
W10	3 16 51	17°35'02	18°48	28°50	4°36	24°13	15°26	7° 1	23°47	20°47	16°22	4°41	6° 5	22°42	26°55	W10
T 11	3 20 47	18°35'15	3♉54	29°47	5°37	24°52	15°20	7° 6	23°51	20°45	16°24	4°34	6° 2	22°49	26°52	T 11
F 12	3 24 44	19°35'29	19°11	0♉49	6°38	25°31	15°15	7°12	23°54	20°44	16°26	4°27	5°59	22°56	26°49	F 12
S 13	3 28 40	20°35'46	4♈27	1°57	7°39	26°10	15°10	7°17	23°58	20°43	16°28	4°22	5°56	23° 2	26°47	S 13
S 14	3 32 37	21°36'04	19°32	3°10	8°39	26°49	15° 4	7°23	24° 1	20°41	16°30	4°20	5°53	23° 9	26°44	S 14
M15	3 36 34	22°36'23	4♈18	4°26	9°38	27°28	15° 0	7°29	24° 4	20°40	16°32	4°D19	5°49	23°16	26°42	M15
T 16	3 40 30	23°36'44	18°39	5°45	10°38	28° 8	14°55	7°34	24° 8	20°38	16°34	4°19	5°46	23°22	26°40	T 16
W17	3 44 27	24°37'07	2♈33	7° 8	11°37	28°47	14°50	7°40	24°11	20°37	16°36	4°21	5°43	23°29	26°37	W17
T 18	3 48 23	25°37'31	16° 0	8°32	12°35	29°26	14°46	7°46	24°15	20°35	16°38	4°22	5°40	23°36	26°35	T 18
F 19	3 52 20	26°37'56	29° 4	9°58	13°33	0♉5	14°42	7°52	24°18	20°34	16°40	4°R22	5°37	23°42	26°32	F 19
S 20	3 56 16	27°38'22	11♈47	11°27	14°31	0°44	14°38	7°58	24°21	20°32	16°42	4°21	5°34	23°49	26°30	S 20
S 21	4 0 13	28°38'50	24°13	12°56	15°28	1°24	14°34	8° 4	24°25	20°31	16°44	4°18	5°30	23°56	26°28	S 21
M22	4 4 9	29°39'19	6°Y26	14°26	16°24	2° 3	14°31	8°10	24°28	20°29	16°46	4°14	5°27	24° 2	26°26	M22
T 23	4 8 6	0♈39'49	18°29	15°58	17°20	2°42	14°27	8°16	24°31	20°28	16°48	4° 9	5°24	24° 9	26°23	T 23
W24	4 12 3	1°40'21	0♈25	17°30	18°15	3°22	14°24	8°22	24°34	20°26	16°49	4° 2	5°21	24°16	26°21	W24
T 25	4 15 59	2°40'54	12°18	19° 2	19°10	4° 1	14°21	8°28	24°38	20°24	16°51	3°56	5°18	24°22	26°19	T 25
F 26	4 19 56	3°41'28	24° 8	20°35	20° 4	4°40	14°18	8°34	24°41	20°23	16°53	3°51	5°15	24°29	26°17	F 26
S 27	4 23 52	4°42'04	5♊58	22° 9	20°58	5°20	14°15	8°41	24°44	20°21	16°55	3°47	5°11	24°36	26°15	S 27
S 28	4 27 49	5°42'41	17°50	23°42	21°51	5°59	14°13	8°47	24°47	20°20	16°56	3°44	5° 8	24°42	26°13	S 28
M29	4 31 45	6°43'20	29°45	25°16	22°43	6°38	14°11	8°53	24°50	20°18	16°58	3°D43	5° 5	24°49	26°11	M29
T 30	4 35 42	7♈44'00	11♈46	26♉50	23♈35	7♉18	14°Y 9	9♈0	24♏53	20♊16	17♏0	3♈43	5♈2	24♈56	26°Y 9	T 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	14s21	21n50	1s15	9s38	0n49	26s35	3s15	6s24	0n51	4n58	1s35	22s40	0n36	8s28	0n35	21n39	1s28	8n55	16n29	23n19	23n15	14n39	10n57	0n29					
T 2	14 40	23 11	0 12	9 12	1 6	26 38	3 17	6 39	0 50	4 56	1 34	22 40	0 35	8 30	0 35	21 39	1 28	8 55	16 29	23 19	23 15	14 42	10 56	0 29					
W 3	14 59	23 28	0n52	8 51	1 20	26 42	3 19	6 54	0 50	4 54	1 34	22 40	0 35	8 31	0 35	21 38	1 28	8 54	16 29	23 19	23 15	14 44	10 55	0 29					
T 4	15 17	22 37	1 56	8 36	1 33	26 44	3 20	7 9	0 50	4 51	1 34	22 40	0 35	8 33	0 35	21 38	1 28	8 53	16 30	23 19	23 15	14 46	10 54	0 29					
F 5	15 36	20 39	2 55	8 27	1 44	26 46	3 22	7 24	0 49	4 49	1 34	22 40	0 35	8 34	0 35	21 38	1 28	8 53	16 30	23 19	23 15	14 49	10 53	0 28					
S 6	15 54	17 35	3 47	8 24	1 53	26 48	3 23	7 39	0 49	4 47	1 34	22 40	0 35	8 35	0 35	21 38	1 28	8 52	16 30	23 19	23 16	14 51	10 52	0 28					
S 7	16 12	13 32	4 29	8 25	2 0	26 49	3 24	7 54	0 49	4 45	1 33	22 39	0 35	8 37	0 35	21 38	1 28	8 52	16 30	23 19	23 16	14 53	10 51	0 28					
M 8	16 29	8 38	4 57	8 32	2 6	26 49	3 26	8 9	0 48	4 42	1 33	22 39	0 35	8 38	0 35	21 38	1 28	8 51	16 31	23 19	23 16	14 55	10 50	0 28					
T 9	16 46	3 7	5 8	8 43	2 11	26 48	3 26	8 24	0 48	4 40	1 33	22 39	0 35	8 39	0 35	21 38	1 28	8 51	16 31	23 19	23 16	14 58	10 49	0 28					
W10	17 3	2s45	4 59	8 58	2 13	26 47	3 27	8 38	0 48	4 38	1 33	22 39	0 35	8 40	0 35	21 38	1 28	8 50	16 31	23 20	23 16	15 0	10 48	0 28					
T 11	17 20	8 35	4 29	9 16	2 15	26 45	3 28	8 53	0 47	4 36	1 33	22 39	0 34	8 42	0 35	21 38	1 28	8 50	16 32	23 20	23 16	15 2	10 47	0 28					
F 12	17 37	13 58	3 40	9 38	2 16	26 43	3 28	9 8	0 47	4 35	1 32	22 39	0 34	8 43	0 35	21 37	1 28	8 49	16 32	23 20	23 16	15 5	10 46	0 28					
S 13	17 53	18 28	2 35	10 2	2 15	26 40	3 29	9 22	0 47	4 33	1 32	22 38	0 34	8 44	0 35	21 37	1 28	8 49	16 32	23 20	23 17	15 7	10 45	0 28					
S 14	18 9	21 41	1 19	10 28	2 14	26 36	3 29	9 37	0 46	4 31	1 32	22 38	0 34	8 46	0 35	21 37	1 28	8 48	16 33	23 20	23 17	15 9	10 44	0 28					
M15	18 24	23 20	0 0	10 55	2 11	26 32	3 29	9 51	0 46	4 29	1 32	22 38	0 34	8 47	0 35	21 37	1 28	8 48	16 33	23 20	23 17	15 11	10 43	0 28					
T 16	18 39	23 23	1s17	11 24	2 8	26 27	3 29	10 5	0 45	4 28	1 31	22 38	0 34	8 48	0 35	21 37	1 28	8 48	16 33	23 20	23 17	15 14	10 42	0 27					
W17	18 54	21 58	2 27	11 55	2 5	26 22	3 29	10 20	0 45	4 26	1 31	22 38	0 34	8 49	0 35	21 37	1 28	8 47	16 34	23 20	23 17	15 16	10 41	0 27					
T 18	19 9	19 19	3 27	12 26	2 0	26 16	3 28	10 34	0 45	4 25	1 31	22 37	0 34	8 51	0 35	21 37	1 28	8 47	16 34	23 20	23 17	15 18	10 40	0 27					
F 19	19 23	15 45	4 14	12 58	1 56	26 10	3 28	10 48	0 44	4 24	1 31	22 37	0 34	8 52	0 35	21 37	1 28	8 46	16 34	23 20	23 17	15 20	10 39	0 27					
S 20	19 37	11 34	4 48	13 30	1 50	26 3	3 27	11 2	0 44	4 22	1 30	22 37	0 33	8 53	0 35	21 36	1 28	8 46	16 35	23 20	23 18	15 23	10 38	0 27					
S 21	19 50	6 59	5 7	14 2	1 45	25 55	3 26	11 16	0 43	4 21	1 30	22 37	0 33	8 54	0 35	21 36	1 28	8 46	16 35	23 20	23 18	15 25	10 37	0 27					
M22	20 3	2 13	5 11	14 34	1 39	25 47	3 25	11 30	0 43	4 20	1 30	22 36	0 33	8 55	0 35	21 36	1 28	8 45	16 35	23 21	23 18	15 27	10 36	0 27					
T 23	20 16	2n35	5 2	15 7	1 33	25 39	3 23	11 44	0 43	4 19	1 30	22 36	0 33	8 57	0 35	21 36	1 28	8 45	16 36	23 21	23 18	15 29	10 35	0 27					
W24	20 28	7 14	4 39	15 39	1 27	25 30	3 22	11 57	0 42	4 18	1 29	22 36	0 33	8 58	0 35	21 36	1 28	8 45	16 36	23 21	23 18	15 32	10 34	0 27					
T 25	20 40	11 37	4 5	16 10	1 20	25 20	3 20	12 11	0 42	4 17	1 29	22 35	0 33	8 59	0 35	21 36	1 28	8 44	16 37	23 21	23 18	15 34	10 34	0 27					
F 26	20 52	15 33	3 20	16 42	1 13	25 10	3 18	12 25	0 41	4 16	1 29	22 35	0 33	9 0	0 35	21 36	1 28	8 44	16 37	23 21	23 18	15 36	10 33	0 27					
S 27	21 3	18 52	2 26	17 12	1 7	25 0	3 16	12 38	0 41	4 15	1 28	22 35	0 33	9 1	0 35	21 36	1 28	8 44	16 37	23 21	23 18	15 38	10 32	0 26					
S 28	21 14	21 25	1 26	17 43	1 0	24 49	3 13	12 52	0 41	4 15	1 28	22 35	0 33	9 2	0 35	21 35	1 28	8 44	16 38	23 21	23 19	15 41	10 31	0 26					
M29	21 24	23 3	0 22	18 12	0 53	24 38	3 10	13 5	0 40	4 14	1 28	22 34	0 33	9 3	0 35	21 35	1 28	8 43	16 38	23 21	23 19	15 43	10 30	0 26					
T 30	21s34	23n37	0n44	18s41	0n46	24s26	3s 8	13s18	0n40	4n14	1s28	22s34	0n32	9s 4	0n35	21n35	1s28	8n43	16n39	23n21	23n19	15n45	10n29	0n26					

ASTRODIENST EPHEMERIS for the year 2224
geocentric

DECEMBER 2224

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	4 39 39	8°44'42	23°56	28°12'24	24°32'25	7°15'57	14°R 7	9°3 6	24°56	20°R15	17°1 1	3°44	4°59	25°8 3	26°R 7	W 1
T 2	4 43 35	9°45'25	6°17	29°58	25°16	8°37	14°Y 5	9°12	24°59	20°II13	17° 3	3°46	4°55	25° 9	26°Y 5	T 2
F 3	4 47 32	10°46'10	18°53	1°32	26° 5	9°16	14° 4	9°19	25° 2	20°11	17° 5	3°48	4°52	25°16	26° 3	F 3
S 4	4 51 28	11°46'56	1°47	3° 6	26°53	9°56	14° 3	9°25	25° 5	20°10	17° 6	3°49	4°49	25°23	26° 2	S 4
S 5	4 55 25	12°47'43	15° 4	4°40	27°41	10°35	14° 2	9°32	25° 8	20° 8	17° 8	3°R49	4°46	25°29	26° 0	S 5
M 6	4 59 21	13°48'32	28°44	6°15	28°27	11°15	14° 1	9°39	25°11	20° 6	17° 9	3°48	4°43	25°36	25°58	M 6
T 7	5 3 18	14°49'23	12°50	7°49	29°13	11°54	14° 1	9°45	25°14	20° 5	17°11	3°47	4°40	25°43	25°57	T 7
W 8	5 7 14	15°50'15	27°20	9°23	29°58	12°34	14° 0	9°52	25°16	20° 3	17°12	3°45	4°36	25°49	25°55	W 8
T 9	5 11 11	16°51'08	12°10	10°57	0°42	13°14	14°D 0	9°59	25°19	20° 1	17°14	3°42	4°33	25°56	25°53	T 9
F 10	5 15 8	17°52'03	27°14	12°31	1°24	13°53	14° 0	10° 5	25°22	19°59	17°15	3°40	4°30	26° 3	25°52	F 10
S 11	5 19 4	18°52'58	12°24	14° 5	2° 6	14°33	14° 0	10°12	25°24	19°58	17°16	3°39	4°27	26° 9	25°50	S 11
S 12	5 23 1	19°53'55	27°29	15°39	2°47	15°13	14° 1	10°19	25°27	19°56	17°18	3°D38	4°24	26°16	25°49	S 12
M13	5 26 57	20°54'53	12°30	17°13	3°26	15°52	14° 2	10°26	25°29	19°54	17°19	3°38	4°21	26°23	25°48	M13
T14	5 30 54	21°55'51	26°51	18°47	4° 4	16°32	14° 2	10°32	25°32	19°53	17°20	3°39	4°17	26°29	25°46	T14
W15	5 34 50	22°56'51	10°56	20°21	4°41	17°12	14° 4	10°39	25°34	19°51	17°22	3°40	4°14	26°36	25°45	W15
T16	5 38 47	23°57'50	24°35	21°55	5°16	17°51	14° 5	10°46	25°37	19°49	17°23	3°41	4°11	26°43	25°44	T16
F17	5 42 43	24°58'51	7°47	23°30	5°50	18°31	14° 6	10°53	25°39	19°48	17°24	3°42	4° 8	26°49	25°43	F17
S18	5 46 40	25°59'51	20°35	25° 4	6°23	19°11	14° 8	11° 0	25°42	19°46	17°25	3°R42	4° 5	26°56	25°42	S18
S19	5 50 37	27° 0'53	3°Y 3	26°38	6°54	19°51	14°10	11° 7	25°44	19°44	17°26	3°42	4° 1	27° 3	25°41	S19
M20	5 54 33	28° 1'54	15°14	28°13	7°23	20°30	14°12	11°14	25°46	19°42	17°27	3°42	3°58	27° 9	25°40	M20
T21	5 58 30	29° 2'56	27°14	29°48	7°51	21°10	14°15	11°21	25°48	19°41	17°28	3°41	3°55	27°16	25°39	T21
W22	6 2 26	0°3 3'59	9°8 7	1°322	8°17	21°50	14°17	11°28	25°50	19°39	17°29	3°41	3°52	27°23	25°38	W22
T23	6 6 23	1° 5'02	20°56	2°57	8°41	22°30	14°20	11°35	25°53	19°37	17°30	3°40	3°49	27°29	25°37	T23
F24	6 10 19	2° 6'05	2°II46	4°32	9° 4	23°10	14°23	11°42	25°55	19°36	17°31	3°40	3°46	27°36	25°37	F24
S25	6 14 16	3° 7'09	14°38	6° 8	9°24	23°50	14°26	11°49	25°57	19°34	17°32	3°40	3°42	27°43	25°36	S25
S26	6 18 12	4° 8'13	26°36	7°43	9°43	24°30	14°29	11°56	25°59	19°33	17°33	3°D40	3°39	27°49	25°35	S26
M27	6 22 9	5° 9'18	8°41	9°19	9°59	25°10	14°33	12° 3	26° 1	19°31	17°34	3°R40	3°36	27°56	25°35	M27
T28	6 26 6	6°10'23	20°55	10°55	10°14	25°50	14°37	12°10	26° 2	19°29	17°35	3°40	3°33	28° 3	25°34	T28
W29	6 30 2	7°11'28	3°120	12°31	10°26	26°29	14°41	12°17	26° 4	19°28	17°36	3°39	3°30	28° 9	25°34	W29
T30	6 33 59	8°12'34	15°56	14° 7	10°36	27° 9	14°45	12°24	26° 6	19°26	17°36	3°39	3°27	28°16	25°33	T30
F31	6 37 55	9°13'41	28°146	15°344	10°44	27°149	14°Y49	12°31	26°8 8	19°II25	17°137	3°38	3°23	28°23	25°Y33	F31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	21s44	23n 5	1n49	19s 9	0n39	24s14	3s 4	13s31	0n39	4n13	1s27	22s34	0n32	9s 6	0n35	21n35	1s28	8n43	16n39	23n21	23n19	15n47	10n29	0n26					
T 2	21 53	21 25	2 50	19 36	0 32	24 1	3 1	13 45	0 39	4 13	1 27	22 33	0 32	9 7	0 35	21 35	1 28	8 43	16 40	23 21	23 19	15 50	10 28	0 26					
F 3	22 2	18 41	3 44	20 2	0 25	23 49	2 57	13 57	0 38	4 13	1 27	22 33	0 32	9 8	0 35	21 35	1 28	8 43	16 40	23 21	23 19	15 52	10 27	0 26					
S 4	22 10	15 0	4 28	20 28	0 18	23 35	2 54	14 10	0 38	4 12	1 26	22 32	0 32	9 9	0 36	21 35	1 28	8 43	16 41	23 21	23 19	15 54	10 26	0 26					
S 5	22 18	10 28	4 59	20 52	0 11	23 22	2 49	14 23	0 38	4 12	1 26	22 32	0 32	9 10	0 36	21 35	1 28	8 42	16 41	23 21	23 19	15 56	10 26	0 26					
M 6	22 26	5 19	5 15	21 16	0 4	23 8	2 45	14 36	0 37	4 12	1 26	22 32	0 32	9 11	0 36	21 34	1 28	8 42	16 42	23 21	23 20	15 59	10 25	0 26					
T 7	22 33	0s16	5 12	21 38	0s 3	22 54	2 40	14 48	0 37	4 12	1 26	22 31	0 32	9 12	0 36	21 34	1 28	8 42	16 42	23 21	23 20	16 1	10 24	0 25					
W 8	22 39	6 0	4 50	22 0	0 10	22 40	2 35	15 1	0 36	4 12	1 25	22 31	0 32	9 13	0 36	21 34	1 28	8 42	16 43	23 21	23 20	16 3	10 24	0 25					
T 9	22 46	11 32	4 8	22 20	0 17	22 25	2 30	15 13	0 36	4 13	1 25	22 31	0 32	9 14	0 36	21 34	1 28	8 42	16 43	23 21	23 20	16 5	10 23	0 25					
F 10	22 51	16 28	3 8	22 39	0 24	22 10	2 25	15 26	0 35	4 13	1 25	22 30	0 32	9 15	0 36	21 34	1 28	8 42	16 43	23 22	23 20	16 7	10 22	0 25					
S 11	22 57	20 21	1 55	22 58	0 30	21 55	2 19	15 38	0 35	4 13	1 24	22 30	0 31	9 16	0 36	21 34	1 28	8 42	16 44	23 22	23 20	16 10	10 22	0 25					
S 12	23 2	22 49	0 34	23 15	0 37	21 40	2 13	15 50	0 34	4 14	1 24	22 29	0 31	9 17	0 36	21 34	1 28	8 42	16 44	23 22	23 20	16 12	10 21	0 25					
M13	23 6	23 38	0s48	23 30	0 43	21 25	2 6	16 2	0 34	4 14	1 24	22 29	0 31	9 17	0 36	21 34	1 28	8 42	16 45	23 22	23 20	16 14	10 21	0 25					
T14	23 10	22 49	2 5	23 45	0 49	21 9	1 59	16 14	0 33	4 15	1 23	22 28	0 31	9 18	0 36	21 34	1 28	8 42	16 46	23 22	23 20	16 16	10 20	0 25					
W15	23 13	20 33	3 13	23 58	0 55	20 53	1 52	16 25	0 33	4 16	1 23	22 28	0 31	9 19	0 36	21 33	1 28	8 42	16 46	23 22	23 21	16 18	10 19	0 25					
T16	23 16	17 11	4 7	24 11	1 1	20 37	1 45	16 37	0 32	4 16	1 23	22 27	0 31	9 20	0 36	21 33	1 28	8 42	16 47	23 22	23 21	16 21	10 19	0 25					
F17	23 19	13 3	4 46	24 22	1 7	20 21	1 37	16 48	0 32	4 17	1 23	22 27	0 31	9 21	0 36	21 33	1 28	8 42	16 47	23 21	23 21	16 23	10 18	0 25					
S18	23 21	8 28	5 9	24 31	1 12	20 6	1 29	17 0	0 31	4 18	1 22	22 27	0 31	9 22	0 36	21 33	1 28	8 42	16 48	23 21	23 21	16 25	10 18	0 24					
S19	23 23	3 39	5 17	24 40	1 18	19 49	1 21	17 11	0 31	4 19	1 22	22 26	0 31	9 23	0 36	21 33	1 28	8 42	16 48	23 21	23 21	16 27	10 18	0 24					
M20	23 24	1n12	5 11	24 47	1 23	19 33	1 12	17 22	0 30	4 20	1 22	22 26	0 31	9 23	0 36	21 33	1 28	8 42	16 49	23 21	23 21	16 29	10 17	0 24					
T21	23 24	5 57	4 51	24 52	1 28	19 17	1 3	17 33	0 30	4 22	1 21	22 25	0 31	9 24	0 36	21 33	1 28	8 42	16 49	23 22	23 21	16 32	10 17	0 24					
W22	23 25	10 25	4 19	24 57	1 32	19 1	0 53	17 44	0 29	4 23	1 21	22 24	0 31	9 25	0 36	21 33	1 28	8 43	16 50	23 22	23 21	16 34	10 16	0 24					
T23	23 24	14 30	3 36	24 59	1 37	18 46	0 43	17 55	0 29	4 24	1 21	22 24	0 30	9 26	0 36	21 32	1 28	8 43	16 50	23 22	23 21	16 36	10 16	0 24					
F24	23 24	18 1	2 43	25 1	1 41	18 30	0 33	18 5	0 28	4 26	1 20	22 23	0 30	9 26	0 36	21 32	1 28	8 43	16 51	23 22	23 21	16 38	10 15	0 24					
S25	23 22	20 48	1 44	25 1	1 45	18 14	0 22	18 16	0 28	4 27	1 20	22 23	0 30	9 27	0 36	21 32	1 28	8 43	16 51	23 22	23 21	16 40	10 15	0 24					
S26	23 21	22 43	0 39	25 0	1 49	17 58	0 11	18 26	0 27	4 29	1 20	22 22	0 30	9 28	0 36	21 32	1 28	8 43	16 52	23 22	23 22	16 43	10 15	0 24					
M27	23 19	23 35	0n28	24 57	1 53	17 43	0n 0	18 36	0 26	4 30	1 20	22 22	0 30	9 28	0 36	21 32	1 28	8 43	16 53	23 22	23 22	16 45	10 15	0 24					
T28	23 16	23 20	1 34	24 53	1 56	17 28	0 12	18 46	0 26	4 32	1 19	22 21	0 30	9 29	0 36	21 32	1 28	8 44	16 53	23 22	23 22	16 47	10 14	0 23					
W29	23 13	21 56	2 38	24 47	1 59	17 13	0 24	18 56	0 25	4 34	1 19	22 21	0 30	9 30	0 36	21 32	1 28	8 44	16 54	23 22	23 22	16 49	10 14	0 23					
T30	23 9	19 26	3 34	24 40	2 1	16 58	0 37	19 6	0 25	4 36	1 19	22 20	0 30	9 30	0 36	21 32	1 28	8 44	16 54	23 22	23 22	16 51	10 14	0 23					
F31	23s 5	15n57	4n21	24s32	2s 4	16s43	0n50	19s15	0n24	4n38	1s18	22s20	0n30	9s31	0n36	21n32	1s28	8n44	16n55	23n22	23n22	16n53	10n14	0n23					