



Astrodienst Ephemeris Tables for the year 2259

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 2259

geocentric

JANUARY 2259

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 40 57	9♂59'44	23♂13	28♂28	1♂42	15♂47	25♂58	29♂45	14♂59	6°R45	8♂44	4♂27	5♂46	1°Y41	28♂31	S 1
S 2	6 44 54	11° 0'52	5°Y 2	29°47	2°55	16°30	26°10	29°51	15° 1	6♂45	8°46	4°28	5°43	1°48	28°35	S 2
M 3	6 48 50	12° 2'00	16°52	1♂ 5	4° 7	17°13	26°22	29°56	15° 3	6°44	8°49	4°R28	5°39	1°54	28°38	M 3
T 4	6 52 47	13° 3'08	28°48	2°18	5°20	17°56	26°34	0♂ 2	15° 5	6°43	8°51	4°26	5°36	2° 1	28°41	T 4
W 5	6 56 43	14° 4'16	10♂57	3°28	6°33	18°38	26°47	0° 8	15° 7	6°42	8°53	4°22	5°33	2° 8	28°45	W 5
T 6	7 0 40	15° 5'24	23°52	4°33	7°46	19°21	26°59	0°13	15° 9	6°41	8°55	4°16	5°30	2°14	28°48	T 6
F 7	7 4 37	16° 6'32	6♂ 7	5°32	8°59	20° 4	27°12	0°19	15°11	6°40	8°57	4° 9	5°27	2°21	28°52	F 7
S 8	7 8 33	17° 7'39	19°13	6°26	10°12	20°47	27°24	0°25	15°13	6°40	8°59	4° 1	5°24	2°28	28°55	S 8
S 9	7 12 30	18° 8'47	2♂40	7°12	11°25	21°30	27°37	0°31	15°15	6°39	9° 1	3°52	5°20	2°34	28°59	S 9
M10	7 16 26	19° 9'55	16°27	7°51	12°38	22°13	27°50	0°37	15°18	6°38	9° 4	3°45	5°17	2°41	29° 2	M10
T 11	7 20 23	20°11'02	0♂30	8°21	13°51	22°56	28° 3	0°43	15°20	6°37	9° 6	3°39	5°14	2°48	29° 6	T 11
W12	7 24 19	21°12'09	14°44	8°41	15° 5	23°39	28°15	0°49	15°22	6°35	9° 8	3°35	5°11	2°54	29°10	W12
T 13	7 28 16	22°13'16	29° 5	8°R50	16°18	24°22	28°28	0°55	15°25	6°34	9°10	3°D34	5° 8	3° 1	29°13	T 13
F 14	7 32 12	23°14'24	13♂27	8°49	17°31	25° 6	28°42	1° 2	15°27	6°33	9°12	3°34	5° 4	3° 8	29°17	F 14
S 15	7 36 9	24°15'31	27°47	8°35	18°45	25°49	28°55	1° 8	15°29	6°32	9°14	3°35	5° 1	3°14	29°21	S 15
S 16	7 40 6	25°16'38	12♂ 1	8°10	19°58	26°32	29° 8	1°14	15°32	6°31	9°16	3°37	4°58	3°21	29°25	S 16
M17	7 44 2	26°17'45	26° 9	7°34	21°11	27°15	29°21	1°21	15°34	6°30	9°18	3°R37	4°55	3°28	29°29	M17
T 18	7 47 59	27°18'53	10♂ 8	6°46	22°25	27°59	29°34	1°27	15°37	6°29	9°20	3°36	4°52	3°34	29°32	T 18
W19	7 51 55	28°20'00	23°58	5°48	23°39	28°42	29°48	1°33	15°39	6°27	9°23	3°34	4°49	3°41	29°36	W19
T 20	7 55 52	29°21'07	7♂38	4°42	24°52	29°26	0♂ 1	1°40	15°42	6°26	9°25	3°30	4°45	3°48	29°40	T 20
F 21	7 59 48	0♂22'14	21° 6	3°29	26° 6	0♂ 9	0°15	1°46	15°45	6°25	9°27	3°25	4°42	3°54	29°44	F 21
S 22	8 3 45	1°23'21	4♂22	2°13	27°19	0°53	0°28	1°53	15°47	6°24	9°29	3°19	4°39	4° 1	29°48	S 22
S 23	8 7 41	2°24'27	17°25	0°55	28°33	1°36	0°42	2° 0	15°50	6°22	9°31	3°14	4°36	4° 8	29°52	S 23
M24	8 11 38	3°25'33	0♂14	29♂37	29°47	2°20	0°55	2° 6	15°53	6°21	9°33	3° 9	4°33	4°14	29°56	M24
T 25	8 15 35	4°26'38	12°48	28°22	1♂ 1	3° 3	1° 9	2°13	15°55	6°20	9°35	3° 6	4°30	4°21	0♂ 0	T 25
W26	8 19 31	5°27'43	25° 9	27°13	2°14	3°47	1°23	2°20	15°58	6°18	9°37	3° 4	4°26	4°28	0° 4	W26
T 27	8 23 28	6°28'47	7♂17	26°10	3°28	4°31	1°36	2°27	16° 1	6°17	9°39	3°D 4	4°23	4°34	0° 9	T 27
F 28	8 27 24	7°29'50	19°15	25°14	4°42	5°14	1°50	2°33	16° 4	6°15	9°41	3° 5	4°20	4°41	0°13	F 28
S 29	8 31 21	8°30'52	1°Y 7	24°28	5°56	5°58	2° 4	2°40	16° 7	6°14	9°43	3° 7	4°17	4°48	0°17	S 29
S 30	8 35 17	9°31'53	12°55	23°50	7°10	6°42	2°18	2°47	16°10	6°13	9°45	3° 9	4°14	4°54	0°21	S 30
M31	8 39 14	10♂32'53	24°Y45	23♂21	8♂24	7♂26	2♂32	2♂54	16♂13	6♂11	9♂47	3♂10	4♂10	5°Y 1	0♂25	M31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	23s 2	4s13	1s39	22s13	1s49	18s28	2n 3	22s50	0s11	13s41	0s53	12s54	1s27	6s37	0s46	9n36	0n37	18s40	4n27	9n52	9n23	1s24	6s31	5n48	
S 2	22 57	0 25	2 37	21 50	1 43	18 43	2 1	22 55	0 12	13 37	0 53	12 52	1 27	6 36	0 46	9 36	0 37	18 40	4 27	9 52	9 24	1 22	6 30	5 48	
M 3	22 52	3n24	3 28	21 27	1 36	18 59	2 0	23 0	0 13	13 33	0 53	12 50	1 27	6 35	0 46	9 36	0 38	18 40	4 27	9 52	9 25	1 20	6 29	5 48	
T 4	22 46	7 7	4 11	21 2	1 27	19 13	1 58	23 4	0 13	13 28	0 53	12 48	1 27	6 34	0 46	9 37	0 38	18 40	4 27	9 52	9 27	1 18	6 29	5 47	
W 5	22 40	10 36	4 43	20 37	1 18	19 28	1 56	23 9	0 14	13 24	0 53	12 46	1 27	6 33	0 46	9 37	0 38	18 40	4 27	9 54	9 28	1 16	6 28	5 47	
T 6	22 33	13 42	5 2	20 11	1 8	19 42	1 54	23 13	0 14	13 20	0 53	12 44	1 27	6 33	0 45	9 38	0 38	18 40	4 27	9 56	9 29	1 14	6 27	5 47	
F 7	22 26	16 15	5 8	19 46	0 56	19 55	1 52	23 17	0 15	13 16	0 53	12 41	1 27	6 32	0 45	9 38	0 38	18 40	4 27	9 58	9 30	1 12	6 26	5 46	
S 8	22 18	18 2	4 57	19 21	0 44	20 8	1 50	23 21	0 16	13 11	0 53	12 39	1 26	6 31	0 45	9 38	0 38	18 40	4 27	10 1	9 31	1 11	6 25	5 46	
S 9	22 11	18 52	4 30	18 56	0 30	20 20	1 48	23 24	0 16	13 7	0 53	12 37	1 26	6 30	0 45	9 39	0 38	18 40	4 27	10 4	9 32	1 9	6 24	5 46	
M10	22 2	18 38	3 47	18 32	0 16	20 32	1 46	23 28	0 17	13 2	0 53	12 35	1 26	6 29	0 45	9 39	0 38	18 40	4 26	10 7	9 34	1 7	6 23	5 46	
T 11	21 53	17 15	2 49	18 9	0n 0	20 43	1 44	23 31	0 18	12 58	0 53	12 33	1 26	6 28	0 45	9 39	0 38	18 40	4 26	10 9	9 35	1 5	6 22	5 45	
W12	21 44	14 47	1 40	17 48	0 17	20 53	1 41	23 34	0 18	12 53	0 53	12 31	1 26	6 27	0 45	9 40	0 38	18 40	4 26	10 11	9 36	1 3	6 21	5 45	
T 13	21 34	11 24	0 24	17 28	0 34	21 3	1 39	23 36	0 19	12 49	0 53	12 28	1 26	6 26	0 45	9 40	0 38	18 40	4 26	10 11	9 37	1 1	6 20	5 45	
F 14	21 24	7 19	0n54	17 11	0 52	21 13	1 37	23 39	0 20	12 44	0 53	12 26	1 26	6 25	0 45	9 41	0 38	18 40	4 26	10 11	9 38	0 59	6 19	5 44	
S 15	21 14	2 50	2 8	16 56	1 11	21 22	1 34	23 41	0 20	12 40	0 53	12 24	1 26	6 24	0 45	9 41	0 38	18 39	4 26	10 11	9 39	0 57	6 18	5 44	
S 16	21 3	1s46	3 14	16 45	1 30	21 30	1 32	23 43	0 21	12 35	0 53	12 22	1 26	6 23	0 45	9 42	0 38	18 39	4 26	10 10	9 41	0 55	6 17	5 44	
M17	20 52	6 14	4 8	16 36	1 49	21 38	1 29	23 44	0 22	12 30	0 53	12 19	1 26	6 22	0 45	9 42	0 38	18 39	4 26	10 10	9 42	0 53	6 16	5 44	
T 18	20 40	10 18	4 46	16 30	2 7	21 45	1 27	23 46	0 22	12 26	0 53	12 17	1 26	6 21	0 45	9 43	0 38	18 39	4 26	10 10	9 43	0 51	6 15	5 43	
W19	20 28	13 46	5 7	16 28	2 24	21 51	1 24	23 47	0 23	12 21	0 53	12 15	1 26	6 20	0 45	9 43	0 38	18 39	4 26	10 11	9 44	0 49	6 14	5 43	
T 20	20 15	16 26	5 11	16 28	2 40	21 57	1 21	23 48	0 24	12 16	0 53	12 12	1 26	6 19	0 45	9 43	0 38	18 39	4 26	10 12	9 45	0 47	6 13	5 43	
F 21	20 2	18 10	4 57	16 31	2 54	22 2	1 19	23 49	0 25	12 12	0 53	12 10	1 26	6 18	0 45	9 44	0 38	18 39	4 26	10 14	9 46	0 46	6 11	5 43	
S 22	19 49	18 52	4 28	16 36	3 7	22 7	1 16	23 49	0 25	12 7	0 53	12 8	1 26	6 17	0 45	9 44	0 38	18 39	4 26	10 16	9 47	0 44	6 10	5 43	
S 23	19 36	18 34	3 44	16 44	3 16	22 10	1 13	23 49	0 26	12 2	0 53	12 5	1 26	6 16	0 45	9 45	0 38	18 39	4 26	10 18	9 49	0 42	6 9	5 42	
M24	19 22	17 18	2 50	16 53	3 23	22 14	1 11	23 50	0 27	11 57	0 53	12 3	1 26	6 15	0 45	9 45	0 38	18 39	4 26	10 20	9 50	0 40	6 8	5 42	
T 25	19 7	15 12	1 49	17 3	3 28	22 16	1 8	23 49	0 27	11 52	0 53	12 1	1 26	6 14	0 45	9 46	0 38	18 39	4 26	10 21	9 51	0 38	6 7	5 42	
W26	18 53	12 26	0 43	17 15	3 30	22 18	1 5	23 49	0 28	11 47	0 53	11 58	1 26	6 13	0 45	9 47	0 38	18 38	4 26	10 22	9 52	0 36	6 5	5 42	
T 27	18 38	9 11	0s23	17 27	3 30	22 19	1 2	23 48	0 29	11 43	0 53	11 56	1 26	6 12	0 45	9 47	0 38	18 38	4 26	10 22	9 53	0 34	6 4	5 41	
F 28	18 22	5 36	1 28	17 39	3 28	22 20	0 59	23 47	0 29	11 38	0 53	11 53	1 26	6 11	0 45	9 48	0 38	18 38	4 26	10 21	9 54	0 32	6 3	5 41	
S 29	18 6	1 50	2 28	17 51	3 24	22 20	0 56	23 46	0 30	11 33	0 53	11 51	1 26	6 10	0 45	9 48	0 38	18 38	4 25	10 21	9 56	0 30	6 2	5 41	
S 30	17 50	1n59	3 22	18 4	3 18	22 19	0 53	23 45	0 31	11 28	0 53	11 48	1 26	6 8	0 45	9 49	0 38	18 38	4 25	10 20	9 57	0 28	6 0	5 41	
M31	17s34	5n43	4s 8	18s15	3n10	22s18	0n50	23s43	0s31	11s23	0s53	11s46	1s26	6s 7	0s45	9n49	0n38	18s38	4n25	10n20	9n58	0s26	5s59	5n41	

ASTRODIENST EPHEMERIS for the year 2259

geocentric

FEBRUARY 2259

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 43 10	11 ³³ 52	6 ⁴⁰	23°R 1	9 ³⁸	8 ¹⁰	2 ⁴⁶	3 ¹	16 ¹⁵	6°R10	9 ⁴⁸	3°R11	4 ⁷	5 ⁸	0 ²⁹	T 1
W 2	8 47 7	12°34'50	18°47	22 ⁵⁰	10°51	8°54	3° 0	3° 8	16°18	6 ⁸	9°50	3 ¹¹	4° 4	5°14	0°34	W 2
T 3	8 51 4	13°35'46	1 ¹⁰	22°D47	12° 5	9°38	3°14	3°15	16°21	6° 7	9°52	3°10	4° 1	5°21	0°38	T 3
F 4	8 55 0	14°36'42	13°52	22°52	13°19	10°22	3°28	3°22	16°24	6° 5	9°54	3° 8	3°58	5°28	0°42	F 4
S 5	8 58 57	15°37'36	26°59	23° 4	14°33	11° 6	3°42	3°29	16°28	6° 4	9°56	3° 6	3°55	5°34	0°46	S 5
S 6	9 2 53	16°38'29	10 ³⁰	23°23	15°47	11°50	3°56	3°36	16°31	6° 2	9°58	3° 3	3°51	5°41	0°51	S 6
M 7	9 6 50	17°39'21	24°26	23°48	17° 1	12°34	4°10	3°43	16°34	6° 0	10° 0	3° 1	3°48	5°48	0°55	M 7
T 8	9 10 46	18°40'12	8 ¹⁰	24°18	18°15	13°18	4°25	3°50	16°37	5°59	10° 1	3° 0	3°45	5°54	0°59	T 8
W 9	9 14 43	19°41'01	23°20	24°54	19°29	14° 2	4°39	3°57	16°40	5°57	10° 3	2°59	3°42	6° 1	1° 4	W 9
T 10	9 18 39	20°41'50	8 ⁷	25°34	20°44	14°46	4°53	4° 4	16°43	5°56	10° 5	2°D59	3°39	6° 8	1° 8	T 10
F 11	9 22 36	21°42'37	22°58	26°19	21°58	15°30	5° 7	4°11	16°46	5°54	10° 7	2°59	3°35	6°14	1°12	F 11
S 12	9 26 33	22°43'23	7 ⁴⁴	27° 7	23°12	16°15	5°22	4°19	16°50	5°52	10° 8	3° 0	3°32	6°21	1°17	S 12
S 13	9 30 29	23°44'08	22°21	27°59	24°26	16°59	5°36	4°26	16°53	5°51	10°10	3° 1	3°29	6°28	1°21	S 13
M14	9 34 26	24°44'52	6 ¹⁴	28°55	25°40	17°43	5°50	4°33	16°56	5°49	10°12	3° 1	3°26	6°34	1°25	M14
T 15	9 38 22	25°45'36	20°49	29°53	26°54	18°28	6° 5	4°40	16°59	5°48	10°13	3°R 2	3°23	6°41	1°30	T 15
W16	9 42 19	26°46'18	4 ³⁵	0 ⁵⁴	28° 8	19°12	6°19	4°47	17° 2	5°46	10°15	3° 2	3°20	6°48	1°34	W16
T 17	9 46 15	27°46'59	18° 3	1°58	29°22	19°56	6°33	4°55	17° 6	5°44	10°17	3° 1	3°16	6°54	1°38	T 17
F 18	9 50 12	28°47'40	1 ¹⁴	3° 4	0 ³³	20°41	6°48	5° 2	17° 9	5°43	10°18	3° 1	3°13	7° 1	1°43	F 18
S 19	9 54 8	29°48'19	14° 8	4°12	1°51	21°25	7° 2	5° 9	17°12	5°41	10°20	3° 0	3°10	7° 8	1°47	S 19
S 20	9 58 5	0 ⁴⁸ 57	26°49	5°22	3° 5	22°10	7°17	5°16	17°16	5°39	10°21	3° 0	3° 7	7°14	1°52	S 20
M21	10 2 2	1°49'33	9 ¹⁷	6°35	4°19	22°54	7°31	5°24	17°19	5°38	10°23	3° 0	3° 4	7°21	1°56	M21
T 22	10 5 58	2°50'09	21°34	7°49	5°34	23°39	7°46	5°31	17°22	5°36	10°24	3°D 0	3° 1	7°28	2° 0	T 22
W23	10 9 55	3°50'42	3 ⁴¹	9° 4	6°48	24°24	8° 0	5°38	17°26	5°34	10°26	3°R 0	2°57	7°34	2° 5	W23
T 24	10 13 51	4°51'14	15°41	10°21	8° 2	25° 8	8°14	5°45	17°29	5°32	10°27	3° 0	2°54	7°41	2° 9	T 24
F 25	10 17 48	5°51'45	27°34	11°40	9°16	25°53	8°29	5°53	17°32	5°31	10°29	3° 0	2°51	7°48	2°13	F 25
S 26	10 21 44	6°52'14	9 ²⁴	13° 0	10°31	26°38	8°43	6° 0	17°36	5°29	10°30	2°59	2°48	7°54	2°18	S 26
S 27	10 25 41	7°52'41	21°12	14°21	11°45	27°22	8°58	6° 7	17°39	5°27	10°31	2°59	2°45	8° 1	2°22	S 27
M28	10 29 37	8 ⁵³ 06	3 ³	15 ⁴⁴	12 ⁵⁹	28 ⁷	9 ¹²	6 ¹⁴	17 ⁴³	5 ²⁶	10 ³³	2 ⁵⁸	2 ⁴¹	8 ⁸	2 ²⁶	M28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	17s17	9n16	4s43	18s27	3n 2	22s16	0n47	23s41	0s32	11s18	0s53	11s43	1s26	6s 6	0s45	9n50	0n38	18s38	4n25	10n19	9n59	0s24	5s58	5n41			
W 2	17 0	12 28	5 6	18 38	2 53	22 13	0 44	23 39	0 33	11 13	0 53	11 41	1 26	6 5	0 45	9 50	0 38	18 38	4 25	10 19	10 0	0 22	5 57	5 40			
T 3	16 43	15 12	5 16	18 48	2 43	22 10	0 41	23 37	0 33	11 8	0 53	11 38	1 26	6 4	0 45	9 51	0 38	18 38	4 25	10 20	10 1	0 20	5 55	5 40			
F 4	16 26	17 17	5 11	18 58	2 32	22 6	0 38	23 34	0 34	11 2	0 53	11 36	1 26	6 3	0 45	9 52	0 38	18 37	4 25	10 20	10 2	0 18	5 54	5 40			
S 5	16 8	18 33	4 49	19 7	2 21	22 1	0 35	23 31	0 35	10 57	0 53	11 33	1 26	6 1	0 45	9 52	0 38	18 37	4 25	10 21	10 4	0 17	5 53	5 40			
S 6	15 50	18 49	4 11	19 15	2 20	21 56	0 32	23 28	0 36	10 52	0 53	11 31	1 26	6 0	0 45	9 53	0 38	18 37	4 25	10 22	10 5	0 15	5 51	5 40			
M 7	15 31	17 57	3 18	19 22	1 59	21 50	0 29	23 25	0 36	10 47	0 53	11 28	1 26	5 59	0 45	9 53	0 38	18 37	4 25	10 23	10 6	0 13	5 50	5 40			
T 8	15 12	15 57	2 10	19 27	1 48	21 43	0 26	23 21	0 37	10 42	0 53	11 26	1 26	5 58	0 45	9 54	0 38	18 37	4 25	10 23	10 7	0 11	5 49	5 40			
W 9	14 54	12 53	0 53	19 32	1 36	21 36	0 23	23 17	0 38	10 37	0 53	11 23	1 26	5 56	0 45	9 55	0 38	18 37	4 25	10 24	10 8	0 9	5 47	5 39			
T 10	14 34	8 57	0n29	19 36	1 25	21 28	0 21	23 13	0 38	10 32	0 53	11 20	1 26	5 55	0 45	9 55	0 38	18 37	4 25	10 24	10 9	0 7	5 46	5 39			
F 11	14 15	4 27	1 49	19 39	1 14	21 20	0 18	23 9	0 39	10 26	0 53	11 18	1 26	5 54	0 45	9 56	0 38	18 37	4 25	10 24	10 11	0 5	5 44	5 39			
S 12	13 55	0s17	3 1	19 41	1 3	21 10	0 15	23 4	0 40	10 21	0 53	11 15	1 26	5 53	0 45	9 56	0 38	18 37	4 25	10 23	10 12	0 3	5 43	5 39			
S 13	13 35	4 57	4 1	19 41	0 52	21 1	0 12	23 0	0 40	10 16	0 53	11 13	1 26	5 51	0 45	9 57	0 38	18 36	4 25	10 23	10 13	0 1	5 42	5 39			
M14	13 15	9 15	4 45	19 40	0 41	20 50	0 9	22 55	0 41	10 11	0 53	11 10	1 26	5 50	0 45	9 58	0 38	18 36	4 25	10 23	10 14	0n 1	5 40	5 39			
T 15	12 55	12 56	5 10	19 38	0 31	20 39	0 6	22 49	0 42	10 5	0 53	11 8	1 26	5 49	0 45	9 58	0 38	18 36	4 25	10 23	10 15	0 3	5 39	5 39			
W16	12 34	15 49	5 18	19 35	0 21	20 27	0 3	22 44	0 43	10 0	0 53	11 5	1 26	5 48	0 44	9 59	0 38	18 36	4 25	10 23	10 16	0 5	5 37	5 39			
T 17	12 14	17 46	5 7	19 31	0 11	20 15	0s 0	22 38	0 43	9 55	0 53	11 2	1 26	5 46	0 44	9 59	0 38	18 36	4 25	10 23	10 17	0 7	5 36	5 39			
F 18	11 53	18 44	4 40	19 25	0 1	20 2	0 3	22 32	0 44	9 50	0 53	11 0	1 27	5 45	0 44	10 0	0 39	18 36	4 25	10 23	10 19	0 9	5 34	5 39			
S 19	11 31	18 41	4 0	19 19	0s 8	19 49	0 6	22 26	0 45	9 44	0 53	10 57	1 27	5 44	0 44	10 1	0 39	18 36	4 25	10 23	10 20	0 11	5 33	5 38			
S 20	11 10	17 41	3 8	19 11	0 17	19 35	0 9	22 20	0 45	9 39	0 53	10 54	1 27	5 42	0 44	10 1	0 39	18 36	4 25	10 23	10 21	0 13	5 31	5 38			
M21	10 49	15 51	2 8	19 1	0 26	19 20	0 11	22 13	0 46	9 34	0 53	10 52	1 27	5 41	0 44	10 2	0 39	18 35	4 25	10 23	10 22	0 15	5 30	5 38			
T 22	10 27	13 18	1 3	18 51	0 34	19 5	0 14	22 6	0 47	9 28	0 53	10 49	1 27	5 40	0 44	10 3	0 39	18 35	4 25	10 23	10 23	0 17	5 28	5 38			
W23	10 5	10 12	0s 4	18 39	0 43	18 49	0 17	21 59	0 47	9 23	0 53	10 47	1 27	5 38	0 44	10 3	0 39	18 35	4 25	10 23	10 24	0 19	5 27	5 38			
T 24	9 43	6 43	1 10	18 26	0 50	18 33	0 20	21 52	0 48	9 18	0 53	10 44	1 27	5 37	0 44	10 4	0 39	18 35	4 25	10 23	10 25	0 20	5 25	5 38			
F 25	9 21	2 59	2 12	18 11	0 58	18 16	0 22	21 44	0 49	9 12	0 53	10 41	1 27	5 36	0 44	10 4	0 39	18 35	4 25	10 23	10 27	0 22	5 24	5 38			
S 26	8 59	0n49	3 9	17 56	1 5	17 59	0 25	21 36	0 50	9 7	0 53	10 39	1 27	5 34	0 44	10 5	0 39	18 35	4 25	10 24	10 28	0 24	5 22	5 38			
S 27	8 36	4 36	3 57	17 39	1 12	17 41	0 28	21 28	0 50	9 1	0 54	10 36	1 27	5 33	0 44	10 6	0 39	18 35	4 25	10 24	10 29	0 26	5 21	5 38			
M28	8s14	8n11	4s35	17s21	1s19	17s23	0s30	21s20	0s51	8s56	0s54	10s33	1s27	5s32	0s44	10n 6	0n39	18s35	4n25	10n24	10n30	0n28	5s19	5n38			

Julian Day Number = 2546173.5, Delta T = 232.83 sec

Ecliptic obliquity = 23°24'12, Nutation = - 0°00'07, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°21'41, Lahiri = 27°28'41

ASTRODIENST EPHEMERIS for the year 2259

geocentric

MARCH 2259

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	10 33 34	9♈53'30	14♌59	17♊8	14♋13	28♌52	9♈27	6♈22	17♈46	5°R24	10♌34	2°R57	2♎38	8♎14	2♈31	T 1
W 2	10 37 30	10°53'52	27° 4	18°33	15°28	29°37	9°41	6°29	17°50	5♎22	10°35	2♎56	2°35	8°21	2°35	W 2
T 3	10 41 27	11°54'11	9♈23	20° 0	16°42	0♈22	9°56	6°36	17°53	5°21	10°36	2°D56	2°32	8°28	2°40	T 3
F 4	10 45 24	12°54'29	22° 0	21°27	17°56	1° 7	10°10	6°43	17°56	5°19	10°38	2°56	2°29	8°34	2°44	F 4
S 5	10 49 20	13°54'45	5♌0	22°56	19°10	1°51	10°25	6°51	18° 0	5°17	10°39	2°57	2°26	8°41	2°48	S 5
S 6	10 53 17	14°54'59	18°24	24°26	20°25	2°36	10°39	6°58	18° 3	5°16	10°40	2°58	2°22	8°48	2°52	S 6
M 7	10 57 13	15°55'10	2♌16	25°57	21°39	3°21	10°54	7° 5	18° 7	5°14	10°41	2°59	2°19	8°54	2°57	M 7
T 8	11 1 10	16°55'20	16°34	27°29	22°53	4° 6	11° 8	7°12	18°10	5°12	10°42	3° 0	2°16	9° 1	3° 1	T 8
W 9	11 5 6	17°55'28	1♎17	29° 2	24° 7	4°51	11°23	7°20	18°14	5°11	10°43	3°R 0	2°13	9° 8	3° 5	W 9
T 10	11 9 3	18°55'34	16°17	0♈36	25°22	5°36	11°37	7°27	18°17	5° 9	10°45	3° 0	2°10	9°14	3°10	T 10
F 11	11 12 59	19°55'38	1♌27	2°12	26°36	6°21	11°51	7°34	18°20	5° 8	10°46	2°59	2° 7	9°21	3°14	F 11
S 12	11 16 56	20°55'40	16°37	3°48	27°50	7° 6	12° 6	7°41	18°24	5° 6	10°47	2°57	2° 3	9°28	3°18	S 12
S 13	11 20 53	21°55'40	1♎37	5°26	29° 4	7°52	12°20	7°48	18°27	5° 4	10°48	2°54	2° 0	9°34	3°22	S 13
M14	11 24 49	22°55'39	16°21	7° 5	0♈19	8°37	12°35	7°55	18°31	5° 3	10°49	2°52	1°57	9°41	3°26	M14
T 15	11 28 46	23°55'36	0♈41	8°44	1°33	9°22	12°49	8° 2	18°34	5° 1	10°49	2°50	1°54	9°48	3°31	T 15
W16	11 32 42	24°55'32	14°36	10°25	2°47	10° 7	13° 3	8° 9	18°38	5° 0	10°50	2°48	1°51	9°54	3°35	W16
T 17	11 36 39	25°55'26	28° 5	12° 8	4° 1	10°52	13°18	8°16	18°41	4°58	10°51	2°D48	1°47	10° 1	3°39	T 17
F 18	11 40 35	26°55'18	11♌30	13°51	5°16	11°38	13°32	8°24	18°44	4°57	10°52	2°49	1°44	10° 8	3°43	F 18
S 19	11 44 32	27°55'09	23°54	15°35	6°30	12°23	13°46	8°31	18°48	4°55	10°53	2°50	1°41	10°14	3°47	S 19
S 20	11 48 28	28°54'58	6♌22	17°21	7°44	13° 8	14° 1	8°38	18°51	4°54	10°54	2°52	1°38	10°21	3°51	S 20
M21	11 52 25	29°54'45	18°35	19° 8	8°59	13°53	14°15	8°44	18°55	4°52	10°54	2°53	1°35	10°28	3°55	M21
T 22	11 56 22	0♎54'31	0♈39	20°56	10°13	14°39	14°29	8°51	18°58	4°51	10°55	2°R54	1°32	10°35	3°59	T 22
W23	12 0 18	1°54'15	12°35	22°45	11°27	15°24	14°43	8°58	19° 1	4°49	10°56	2°54	1°28	10°41	4° 3	W23
T 24	12 4 15	2°53'56	24°27	24°36	12°41	16° 9	14°57	9° 5	19° 5	4°48	10°56	2°52	1°25	10°48	4° 7	T 24
F 25	12 8 11	3°53'36	6♎16	26°28	13°56	16°55	15°11	9°12	19° 8	4°46	10°57	2°48	1°22	10°55	4°11	F 25
S 26	12 12 8	4°53'14	18° 5	28°21	15°10	17°40	15°25	9°19	19°11	4°45	10°58	2°43	1°19	11° 1	4°15	S 26
S 27	12 16 4	5°52'49	29°56	0♎15	16°24	18°26	15°40	9°26	19°15	4°43	10°58	2°37	1°16	11° 8	4°19	S 27
M28	12 20 1	6°52'23	11♌50	2°10	17°38	19°11	15°54	9°32	19°18	4°42	10°59	2°31	1°12	11°15	4°23	M28
T 29	12 23 57	7°51'54	23°50	4° 7	18°53	19°56	16° 8	9°39	19°21	4°41	10°59	2°25	1° 9	11°21	4°26	T 29
W30	12 27 54	8°51'23	5♈58	6° 5	20° 7	20°42	16°21	9°46	19°25	4°39	11° 0	2°19	1° 6	11°28	4°30	W30
T 31	12 31 50	9♎50'50	18♈18	8♎3	21♈21	21°27	16♈35	9♈52	19♈28	4♎38	11♌0	2♎16	1♎3	11♎35	4♈34	T 31

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	7s51	11n29	5 s 2	17s 1	1s25	17s 4	0s33	21s12	0s52	8s51	0s54	10s31	1s27	5s30
W 2	7 28	14 21	5 16	16 41	1 31	16 44	0 35	21 3	0 52	8 45	0 54	10 28	1 27	5 29
T 3	7 5	16 37	5 15	16 19	1 36	16 25	0 38	20 54	0 53	8 40	0 54	10 26	1 27	5 28
F 4	6 42	18 10	5 0	15 56	1 41	16 4	0 40	20 45	0 54	8 34	0 54	10 23	1 27	5 26
S 5	6 19	18 49	4 29	15 31	1 46	15 44	0 43	20 36	0 54	8 29	0 54	10 20	1 27	5 25
S 6	5 56	18 27	3 43	15 6	1 50	15 22	0 45	20 27	0 55	8 24	0 54	10 18	1 27	5 24
M 7	5 33	16 59	2 42	14 39	1 54	15 1	0 47	20 17	0 56	8 18	0 54	10 15	1 28	5 22
T 8	5 9	14 25	1 30	14 11	1 58	14 39	0 49	20 7	0 56	8 13	0 54	10 12	1 28	5 21
W 9	4 46	10 51	0 10	13 41	2 1	14 16	0 52	19 57	0 57	8 7	0 54	10 10	1 28	5 20
T 10	4 23	6 32	1n13	13 11	2 4	13 53	0 54	19 47	0 58	8 2	0 54	10 7	1 28	5 18
F 11	3 59	1 44	2 31	12 39	2 7	13 30	0 56	19 36	0 59	7 56	0 54	10 5	1 28	5 17
S 12	3 35	3s 9	3 38	12 6	2 9	13 7	0 58	19 25	0 59	7 51	0 54	10 2	1 28	5 16
S 13	3 12	7 48	4 30	11 32	2 11	12 43	1 0	19 14	1 0	7 46	0 54	10 0	1 28	5 14
M14	2 48	11 52	5 3	10 57	2 12	12 18	1 2	19 3	1 1	7 40	0 55	9 57	1 28	5 13
T 15	2 25	15 7	5 15	10 20	2 13	11 54	1 4	18 52	1 1	7 35	0 55	9 54	1 28	5 12
W16	2 1	17 24	5 9	9 42	2 13	11 29	1 5	18 41	1 2	7 29	0 55	9 52	1 28	5 10
T 17	1 37	18 38	4 46	9 3	2 13	11 4	1 7	18 29	1 3	7 24	0 55	9 49	1 28	5 9
F 18	1 13	18 49	4 8	8 23	2 13	10 38	1 9	18 17	1 3	7 19	0 55	9 47	1 28	5 8
S 19	0 50	18 2	3 19	7 42	2 12	10 12	1 10	18 5	1 4	7 13	0 55	9 44	1 29	5 6
S 20	0 26	16 23	2 21	7 0	2 11	9 46	1 12	17 53	1 5	7 8	0 55	9 42	1 29	5 5
M21	0 2	14 0	1 18	6 16	2 9	9 20	1 13	17 41	1 5	7 2	0 55	9 39	1 29	5 4
T 22	0n22	11 2	0 12	5 32	2 7	8 53	1 15	17 28	1 6	6 57	0 55	9 37	1 29	5 2
W23	0 45	7 39	0s53	4 46	2 4	8 26	1 16	17 15	1 7	6 52	0 55	9 34	1 29	5 1
T 24	1 9	3 58	1 55	3 59	2 0	7 59	1 18	17 2	1 7	6 46	0 55	9 32	1 29	5 0
F 25	1 33	0 9	2 53	3 11	1 57	7 32	1 19	16 49	1 8	6 41	0 55	9 29	1 29	4 58
S 26	1 56	3n39	3 42	2 23	1 52	7 4	1 20	16 36	1 9	6 35	0 56	9 27	1 29	4 57
S 27	2 20	7 20	4 22	1 33	1 48	6 36	1 21	16 23	1 9	6 30	0 56	9 24	1 29	4 56
M28	2 43	10 44	4 51	0 42	1 42	6 8	1 22	16 9	1 10	6 25	0 56	9 22	1 30	4 55
T 29	3 7	13 44	5 8	0n10	1 36	5 40	1 23	15 56	1 10	6 19	0 56	9 19	1 30	4 53
W30	3 30	16 10	5 10	1 2	1 30	5 12	1 24	15 42	1 11	6 14	0 56	9 17	1 30	4 52
T 31	3n54	17n55	4s59	1n55	1s23	4s44	1s25	15s28	1s12	6s 9	0s56	9s15	1s30	4s51

Julian Day Number = 2546201.5, Delta T = 232.94 sec
 Ecliptic obliquity = 23°24'12, Nutation = - 0°00'07, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°21'45, Lahiri = 27°28'45

ASTRODIENST EPHEMERIS for the year 2259

geocentric

APRIL 2259

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 35 47	10°50'15	0°53	10°3	22°35	22°13	16°49	9°59	19°31	4°37	11°0	2°R13	1°0	11°41	4°38	F 1
S 2	12 39 44	11°49'38	13°46	12° 4	23°49	22°58	17° 3	10° 6	19°35	4°35	11° 1	2°D13	0°57	11°48	4°41	S 2
S 3	12 43 40	12°48'58	27° 2	14° 6	25° 4	23°44	17°17	10°12	19°38	4°34	11° 1	2°14	0°53	11°55	4°45	S 3
M 4	12 47 37	13°48'15	10°42	16° 9	26°18	24°29	17°31	10°19	19°41	4°33	11° 1	2°15	0°50	12° 1	4°49	M 4
T 5	12 51 33	14°47'31	24°50	18°12	27°32	25°15	17°44	10°25	19°44	4°32	11° 2	2°R16	0°47	12° 8	4°52	T 5
W 6	12 55 30	15°46'44	9°23	20°15	28°46	26° 0	17°58	10°32	19°47	4°31	11° 2	2°16	0°44	12°15	4°56	W 6
T 7	12 59 26	16°45'55	24°19	22°19	0°0	26°46	18°12	10°38	19°51	4°29	11° 2	2°14	0°41	12°21	4°59	T 7
F 8	13 3 23	17°45'03	9°23	24°22	1°14	27°31	18°25	10°44	19°54	4°28	11° 2	2°10	0°38	12°28	5° 3	F 8
S 9	13 7 19	18°44'10	24°48	26°26	2°29	28°17	18°39	10°50	19°57	4°27	11° 2	2° 5	0°34	12°35	5° 6	S 9
S 10	13 11 16	19°43'15	10°1	28°28	3°43	29° 2	18°52	10°57	20° 0	4°26	11° 3	1°58	0°31	12°41	5°10	S 10
M 11	13 15 13	20°42'17	24°59	0°30	4°57	29°48	19° 6	11° 3	20° 3	4°25	11° 3	1°50	0°28	12°48	5°13	M 11
T 12	13 19 9	21°41'18	9°35	2°31	6°11	0°34	19°19	11° 9	20° 6	4°24	11° 3	1°43	0°25	12°55	5°16	T 12
W 13	13 23 6	22°40'18	23°41	4°30	7°25	1°19	19°32	11°15	20° 9	4°23	11°R 3	1°38	0°22	13° 1	5°20	W 13
T 14	13 27 2	23°39'15	7°31	6°26	8°39	2° 5	19°45	11°21	20°12	4°22	11° 3	1°35	0°18	13° 8	5°23	T 14
F 15	13 30 59	24°38'11	20°27	8°21	9°53	2°50	19°59	11°27	20°15	4°21	11° 3	1°D33	0°15	13°15	5°26	F 15
S 16	13 34 55	25°37'05	3°11	10°13	11° 7	3°36	20°12	11°33	20°18	4°20	11° 3	1°34	0°12	13°21	5°29	S 16
S 17	13 38 52	26°35'57	15°35	12° 2	12°21	4°22	20°25	11°39	20°21	4°19	11° 2	1°34	0° 9	13°28	5°32	S 17
M 18	13 42 48	27°34'47	27°43	13°47	13°36	5° 7	20°38	11°45	20°24	4°18	11° 2	1°R35	0° 6	13°35	5°35	M 18
T 19	13 46 45	28°33'36	9°40	15°29	14°50	5°53	20°51	11°50	20°27	4°17	11° 2	1°35	0° 3	13°42	5°39	T 19
W 20	13 50 42	29°32'23	21°30	17° 7	16° 4	6°39	21° 4	11°56	20°30	4°17	11° 2	1°33	29°59	13°48	5°42	W 20
T 21	13 54 38	0°31'08	3°18	18°40	17°18	7°24	21°17	12° 2	20°32	4°16	11° 2	1°28	29°56	13°55	5°44	T 21
F 22	13 58 35	1°29'51	15° 6	20°10	18°32	8°10	21°29	12° 7	20°35	4°15	11° 1	1°21	29°53	14° 2	5°47	F 22
S 23	14 2 31	2°28'33	26°57	21°34	19°46	8°56	21°42	12°13	20°38	4°14	11° 1	1°11	29°50	14° 8	5°50	S 23
S 24	14 6 28	3°27'12	8°53	22°54	21° 0	9°41	21°55	12°18	20°41	4°14	11° 1	1° 0	29°47	14°15	5°53	S 24
M 25	14 10 24	4°25'50	20°55	24° 9	22°14	10°27	22° 7	12°24	20°43	4°13	11° 0	0°48	29°43	14°22	5°56	M 25
T 26	14 14 21	5°24'25	3°11	25°19	23°28	11°12	22°20	12°29	20°46	4°12	11° 0	0°36	29°40	14°28	5°58	T 26
W 27	14 18 17	6°22'59	15°21	26°24	24°42	11°58	22°32	12°34	20°49	4°12	11° 0	0°26	29°37	14°35	6° 1	W 27
T 28	14 22 14	7°21'31	27°48	27°23	25°56	12°44	22°44	12°40	20°51	4°11	10°59	0°17	29°34	14°42	6° 4	T 28
F 29	14 26 11	8°20'00	10°28	28°18	27°10	13°29	22°57	12°45	20°54	4°11	10°59	0°11	29°31	14°48	6° 6	F 29
S 30	14 30 7	9°18'27	23°22	29° 6	28°24	14°15	23° 9	12°50	20°57	4°10	10°58	0°10	29°28	14°55	6° 9	S 30

Day	☉	☽		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	4n17	18n51	4s33	2n49	1s16	4s15	1s26	15s14	1s12	6s 4	0s56	9s12	1s30	4s49	0s44	10n24	0n39	18s31	4n26	10n40	11n 6	1n31	4s31	5n40			
S 2	4 40	18 50	3 53	3 44	1 8	3 46	1 27	14 59	1 13	5 58	0 56	9 10	1 30	4 48	0 44	10 25	0 39	18 31	4 27	10 40	11 7	1 33	4 29	5 40			
S 3	5 3	17 47	3 0	4 39	0 59	3 18	1 27	14 45	1 14	5 53	0 56	9 8	1 30	4 47	0 44	10 25	0 39	18 31	4 27	10 40	11 8	1 35	4 28	5 41			
M 4	5 26	15 41	1 54	5 34	0 50	2 49	1 28	14 30	1 14	5 48	0 57	9 5	1 30	4 46	0 44	10 26	0 39	18 31	4 27	10 39	11 10	1 37	4 26	5 41			
T 5	5 49	12 36	0 40	6 30	0 41	2 20	1 28	14 16	1 15	5 43	0 57	9 3	1 31	4 44	0 45	10 26	0 39	18 31	4 27	10 39	11 11	1 39	4 25	5 41			
W 6	6 12	8 38	0n38	7 25	0 31	1 51	1 29	14 1	1 15	5 37	0 57	9 1	1 31	4 43	0 45	10 27	0 39	18 31	4 27	10 39	11 12	1 41	4 23	5 41			
T 7	6 35	4 2	1 57	8 21	0 21	1 22	1 29	13 46	1 16	5 32	0 57	8 58	1 31	4 42	0 45	10 27	0 39	18 31	4 27	10 40	11 13	1 43	4 22	5 41			
F 8	6 57	0s53	3 8	9 16	0 10	0 53	1 29	13 31	1 17	5 27	0 57	8 56	1 31	4 41	0 45	10 27	0 39	18 31	4 27	10 41	11 14	1 45	4 21	5 41			
S 9	7 20	5 47	4 6	10 11	0n 0	0 23	1 30	13 16	1 17	5 22	0 57	8 54	1 31	4 40	0 45	10 28	0 39	18 31	4 27	10 43	11 15	1 47	4 19	5 42			
S 10	7 42	10 16	4 46	11 6	0 11	0n 6	1 30	13 0	1 18	5 17	0 57	8 52	1 31	4 38	0 45	10 28	0 39	18 31	4 27	10 46	11 16	1 49	4 18	5 42			
M11	8 4	14 2	5 6	11 59	0 23	0 35	1 30	12 45	1 18	5 11	0 57	8 49	1 31	4 37	0 45	10 29	0 39	18 31	4 27	10 48	11 17	1 51	4 16	5 42			
T 12	8 26	16 50	5 5	12 52	0 34	1 4	1 30	12 29	1 19	5 6	0 58	8 47	1 32	4 36	0 45	10 29	0 39	18 31	4 27	10 51	11 19	1 53	4 15	5 42			
W13	8 48	18 30	4 45	13 43	0 45	1 34	1 30	12 14	1 20	5 1	0 58	8 45	1 32	4 35	0 45	10 29	0 39	18 31	4 27	10 53	11 20	1 55	4 14	5 42			
T 14	9 10	19 2	4 10	14 32	0 57	2 3	1 30	11 58	1 20	4 56	0 58	8 43	1 32	4 34	0 45	10 30	0 39	18 31	4 27	10 54	11 21	1 57	4 12	5 43			
F 15	9 32	18 30	3 23	15 20	1 8	2 32	1 30	11 42	1 21	4 51	0 58	8 41	1 32	4 32	0 45	10 30	0 39	18 31	4 27	10 54	11 22	1 59	4 11	5 43			
S 16	9 53	17 2	2 27	16 6	1 19	3 1	1 30	11 26	1 21	4 46	0 58	8 39	1 32	4 31	0 45	10 30	0 39	18 30	4 27	10 54	11 23	2 1	4 10	5 43			
S 17	10 15	14 47	1 25	16 50	1 29	3 30	1 29	11 10	1 22	4 41	0 58	8 36	1 32	4 30	0 45	10 31	0 39	18 30	4 27	10 54	11 24	2 3	4 8	5 43			
M18	10 36	11 55	0 21	17 32	1 40	3 59	1 29	10 54	1 22	4 36	0 58	8 34	1 33	4 29	0 45	10 31	0 39	18 30	4 27	10 54	11 25	2 5	4 7	5 43			
T 19	10 57	8 36	0s43	18 12	1 49	4 28	1 29	10 37	1 23	4 31	0 59	8 32	1 33	4 28	0 45	10 31	0 39	18 30	4 27	10 54	11 26	2 7	4 6	5 44			
W20	11 18	4 58	1 45	18 49	1 59	4 57	1 28	10 21	1 23	4 26	0 59	8 30	1 33	4 27	0 45	10 32	0 39	18 30	4 27	10 55	11 28	2 9	4 4	5 44			
T 21	11 38	1 9	2 41	19 24	2 7	5 26	1 28	10 5	1 24	4 21	0 59	8 28	1 33	4 26	0 45	10 32	0 39	18 30	4 27	10 56	11 29	2 11	4 3	5 44			
F 22	11 59	2n42	3 31	19 56	2 15	5 55	1 27	9 48	1 24	4 16	0 59	8 26	1 33	4 25	0 45	10 32	0 39	18 30	4 27	10 59	11 30	2 13	4 2	5 44			
S 23	12 19	6 28	4 11	20 25	2 22	6 23	1 26	9 31	1 25	4 12	0 59	8 24	1 33	4 24	0 45	10 32	0 39	18 30	4 27	11 2	11 31	2 15	4 1	5 45			
S 24	12 39	10 0	4 41	20 52	2 29	6 52	1 26	9 15	1 26	4 7	0 59	8 22	1 34	4 23	0 45	10 33	0 39	18 30	4 27	11 6	11 32	2 17	3 59	5 45			
M25	12 59	13 9	4 58	21 16	2 34	7 20	1 25	8 58	1 26	4 2	0 59	8 21	1 34	4 22	0 45	10 33	0 39	18 30	4 27	11 10	11 33	2 19	3 58	5 45			
T 26	13 18	15 47	5 3	21 38	2 39	7 48	1 24	8 41	1 27	3 57	1 0	8 19	1 34	4 20	0 45	10 33	0 39	18 30	4 27	11 15	11 34	2 21	3 57	5 45			
W27	13 38	17 45	4 53	21 57	2 42	8 16	1 23	8 24	1 27	3 52	1 0	8 17	1 34	4 19	0 45	10 33	0 39	18 30	4 27	11 18	11 35	2 23	3 56	5 46			
T 28	13 57	18 54	4 29	22 13	2 45	8 44	1 22	8 7	1 28	3 48	1 0	8 15	1 34	4 18	0 45	10 34	0 39	18 30	4 28	11 21	11 36	2 25	3 55	5 46			
F 29	14 16	19 8	3 52	22 27	2 46	9 11	1 21	7 50	1 28	3 43	1 0	8 13	1 34	4 17	0 45	10 34	0 39	18 30	4 28	11 23	11 38	2 27	3 53	5 46			
S 30	14n34	18n23	3s 2	22n39	2n47	9n39	1s20	7s33	1s28	3s38	1s 0	8s11	1s35	4s16	0s45	10n34	0n39	18s30	4n28	11n24	11n39	2n29	3s52	5n46			

ASTRODIENST EPHEMERIS for the year 2259

geocentric

MAY 2259

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 34 4	10♌16°53	6♌34	29♌49	29♌38	15♌0	23♌21	12♌55	20♌59	4♌10	10♌R58	0♌D 7	29♌24	15♌2	6♌11	S 1
M 2	14 38 0	11°15'16	20° 7	0♌27	0♌52	15°46	23°33	13° 0	21° 2	4♌9	10♌57	0♌7	29°21	15° 8	6°14	M 2
T 3	14 41 57	12°13'37	4♌2	0°59	2° 6	16°31	23°45	13° 5	21° 4	4° 9	10°57	0°R 7	29°18	15°15	6°16	T 3
W 4	14 45 53	13°11'55	18°21	1°26	3°20	17°17	23°57	13° 9	21° 6	4° 8	10°56	0° 6	29°15	15°22	6°18	W 4
T 5	14 49 50	14°10'12	3♌1	1°47	4°34	18° 3	24° 8	13°14	21° 9	4° 8	10°55	0° 3	29°12	15°28	6°20	T 5
F 6	14 53 46	15° 8'27	17°58	2° 2	5°48	18°48	24°20	13°19	21°11	4° 8	10°55	29♌57	29° 9	15°35	6°23	F 6
S 7	14 57 43	16° 6'39	3♌6	2°12	7° 1	19°34	24°32	13°23	21°14	4° 7	10°54	29°49	29° 5	15°42	6°25	S 7
S 8	15 1 39	17° 4'50	18°14	2°R16	8°15	20°19	24°43	13°28	21°16	4° 7	10°53	29°39	29° 2	15°49	6°27	S 8
M 9	15 5 36	18° 3'00	3♌11	2°15	9°29	21° 5	24°54	13°32	21°18	4° 7	10°52	29°28	28°59	15°55	6°29	M 9
T 10	15 9 33	19° 1'08	17°50	2° 9	10°43	21°50	25° 6	13°37	21°20	4° 7	10°52	29°17	28°56	16° 2	6°31	T 10
W11	15 13 29	19°59'14	2♌2	1°59	11°57	22°35	25°17	13°41	21°22	4° 6	10°51	29° 9	28°53	16° 9	6°33	W11
T 12	15 17 26	20°57'19	15°46	1°43	13°11	23°21	25°28	13°45	21°25	4° 6	10°50	29° 3	28°49	16°15	6°35	T 12
F 13	15 21 22	21°55'22	29° 0	1°23	14°25	24° 6	25°39	13°49	21°27	4° 6	10°49	28°59	28°46	16°22	6°36	F 13
S 14	15 25 19	22°53'24	11♌48	1° 0	15°39	24°52	25°50	13°53	21°29	4° 6	10°48	28°57	28°43	16°29	6°38	S 14
S 15	15 29 15	23°51'25	24°14	0°33	16°52	25°37	26° 1	13°57	21°31	4° 6	10°47	28°57	28°40	16°35	6°40	S 15
M16	15 33 12	24°49'24	6♌22	0° 3	18° 6	26°22	26°12	14° 1	21°33	4°D 6	10°47	28°57	28°37	16°42	6°41	M16
T 17	15 37 9	25°47'22	18°19	29♌31	19°20	27° 8	26°22	14° 5	21°35	4° 6	10°46	28°56	28°34	16°49	6°43	T 17
W18	15 41 5	26°45'18	0♌8	28°57	20°34	27°53	26°33	14° 9	21°36	4° 6	10°45	28°53	28°30	16°55	6°44	W18
T 19	15 45 2	27°43'14	11°56	28°22	21°48	28°38	26°43	14°12	21°38	4° 6	10°44	28°48	28°27	17° 2	6°46	T 19
F 20	15 48 58	28°41'08	23°47	27°47	23° 2	29°24	26°53	14°16	21°40	4° 6	10°43	28°39	28°24	17° 9	6°47	F 20
S 21	15 52 55	29°39'00	5♌42	27°11	24°16	0♌9	27° 4	14°19	21°42	4° 7	10°42	28°28	28°21	17°15	6°49	S 21
S 22	15 56 51	0♌36°52	17°45	26°37	25°29	0°54	27°14	14°23	21°44	4° 7	10°41	28°16	28°18	17°22	6°50	S 22
M23	16 0 48	1°34'42	29°56	26° 3	26°43	1°39	27°24	14°26	21°45	4° 7	10°39	28° 2	28°15	17°29	6°51	M23
T 24	16 4 44	2°32'31	12♌18	25°32	27°57	2°25	27°34	14°29	21°47	4° 7	10°38	27°48	28°11	17°36	6°52	T 24
W25	16 8 41	3°30'18	24°49	25° 2	29°11	3°10	27°43	14°33	21°49	4° 8	10°37	27°36	28° 8	17°42	6°53	W25
T 26	16 12 37	4°28'04	7♌32	24°36	0♌25	3°55	27°53	14°36	21°50	4° 8	10°36	27°27	28° 5	17°49	6°54	T 26
F 27	16 16 34	5°25'48	20°25	24°13	1°38	4°40	28° 2	14°39	21°52	4° 8	10°35	27°20	28° 2	17°56	6°55	F 27
S 28	16 20 31	6°23'31	3♌31	23°54	2°52	5°25	28°12	14°41	21°53	4° 9	10°34	27°16	27°59	18° 2	6°56	S 28
S 29	16 24 27	7°21'12	16°50	23°38	4° 6	6°10	28°21	14°44	21°54	4° 9	10°33	27°14	27°55	18° 9	6°57	S 29
M30	16 28 24	8°18'52	0♌24	23°26	5°20	6°55	28°30	14°47	21°56	4°10	10°31	27°D14	27°52	18°16	6°58	M30
T 31	16 32 20	9♌16°30	14♌14	23♌19	6♌34	7♌40	28♌39	14♌49	21♌57	4♌10	10♌30	27°R14	27♌49	18♌22	6♌59	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	14n53	16n38	2s 2	22n47	2n46	10n 6	1s19	7s16	1s29	3s34	1s 0	8s10	1s35	4s16	0s45	10n34
M 2	15 11	13 55	0 53	22 54	2 45	10 33	1 18	6 59	1 29	3 29	1 1	8 8	1 35	4 15	0 45	10 34
T 3	15 29	10 20	0n21	22 58	2 42	10 59	1 16	6 41	1 30	3 25	1 1	8 6	1 35	4 14	0 45	10 34
W 4	15 47	6 4	1 35	22 59	2 37	11 26	1 15	6 24	1 30	3 20	1 1	8 5	1 35	4 13	0 45	10 35
T 5	16 4	1 20	2 45	22 58	2 32	11 52	1 14	6 7	1 31	3 16	1 1	8 3	1 36	4 12	0 45	10 35
F 6	16 21	3s34	3 45	22 55	2 26	12 18	1 12	5 49	1 31	3 11	1 1	8 1	1 36	4 11	0 45	10 35
S 7	16 38	8 18	4 30	22 49	2 18	12 43	1 11	5 32	1 32	3 7	1 1	8 0	1 36	4 10	0 45	10 35
S 8	16 55	12 30	4 55	22 41	2 9	13 9	1 9	5 14	1 32	3 2	1 2	7 58	1 36	4 9	0 45	10 35
M 9	17 11	15 51	5 1	22 31	1 59	13 34	1 8	4 57	1 32	2 58	1 2	7 57	1 36	4 8	0 45	10 35
T 10	17 17	18 6	4 46	22 19	1 47	13 58	1 6	4 39	1 33	2 54	1 2	7 55	1 36	4 7	0 45	10 35
W11	17 43	19 10	4 14	22 4	1 35	14 22	1 5	4 22	1 33	2 49	1 2	7 54	1 37	4 7	0 45	10 35
T 12	17 58	19 2	3 27	21 48	1 21	14 46	1 3	4 4	1 34	2 45	1 2	7 52	1 37	4 6	0 45	10 35
F 13	18 13	17 51	2 31	21 30	1 7	15 10	1 1	3 47	1 34	2 41	1 3	7 51	1 37	4 5	0 45	10 35
S 14	18 28	15 47	1 30	21 10	0 51	15 33	0 59	3 29	1 34	2 37	1 3	7 49	1 37	4 4	0 45	10 35
S 15	18 43	13 2	0 25	20 49	0 35	15 56	0 57	3 11	1 35	2 33	1 3	7 48	1 38	4 3	0 45	10 35
M16	18 57	9 46	0s39	20 26	0 19	16 18	0 56	2 54	1 35	2 29	1 3	7 47	1 38	4 3	0 46	10 35
T 17	19 11	6 10	1 41	20 3	0 2	16 40	0 54	2 36	1 35	2 25	1 3	7 46	1 38	4 2	0 46	10 35
W18	19 24	2 21	2 37	19 38	0s16	17 2	0 52	2 18	1 36	2 21	1 4	7 44	1 38	4 1	0 46	10 35
T 19	19 37	1n33	3 26	19 13	0 34	17 23	0 50	2 0	1 36	2 17	1 4	7 43	1 38	4 1	0 46	10 35
F 20	19 50	5 23	4 7	18 48	0 51	17 44	0 48	1 43	1 36	2 13	1 4	7 42	1 39	4 0	0 46	10 35
S 21	20 3	9 3	4 37	18 23	1 8	18 4	0 46	1 25	1 37	2 9	1 4	7 41	1 39	3 59	0 46	10 35
S 22	20 15	12 22	4 55	17 59	1 26	18 24	0 44	1 7	1 37	2 5	1 4	7 40	1 39	3 59	0 46	10 35
M23	20 27	15 13	5 0	17 35	1 42	18 43	0 42	0 50	1 37	2 1	1 5	7 39	1 39	3 58	0 46	10 35
T 24	20 38	17 26	4 51	17 12	1 58	19 2	0 39	0 32	1 37	1 58	1 5	7 38	1 39	3 57	0 46	10 35
W25	20 49	18 51	4 27	16 51	2 13	19 20	0 37	0 14	1 38	1 54	1 5	7 37	1 40	3 57	0 46	10 35
T 26	21 0	19 21	3 51	16 30	2 28	19 38	0 35	0n 3	1 38	1 50	1 5	7 36	1 40	3 56	0 46	10 34
F 27	21 11	18 52	3 1	16 12	2 41	19 55	0 33	0 21	1 38	1 47	1 6	7 35	1 40	3 56	0 46	10 34
S 28	21 21	17 22	2 2	15 55	2 53	20 12	0 31	0 38	1 38	1 43	1 6	7 34	1 40	3 55	0 46	10 34
S 29	21 30	14 54	0 55	15 40	3 4	20 28	0 28	0 56	1 39	1 40	1 6	7 33	1 41	3 55	0 46	10 34
M30	21 40	11 35	0n17	15 28	3 15	20 44	0 26	1 14	1 39	1 37	1 6	7 32	1 41	3 54	0 46	10 34
T 31	21n48	7n34	1n29	15n17	3s24	20n59	0s24	1n31	1s39	1s33	1s 6	7s31	1s41	3s54	0s46	10n34

Julian Day Number = 2546262.5, Delta T = 233.17 sec

Ecliptic obliquity = 23°24'12, Nutation = - 0°00'10, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°21'53, Lahiri = 27°28'54

ASTRODIENST EPHEMERIS for the year 2259
geocentric

JUNE 2259

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	16 36 17	10 ^{II} 14'06	28 ^{III} 21	23°D16	7 ^{II} 47	8 ^Y 24	28 ^{II} 48	14 ^{II} 52	21 ^{II} 58	4 ^{III} 11	10°R29	27°R13	27 ^{II} 46	18 ^Y 29	6 ^{II} 59	W 1
T 2	16 40 13	11°11'41	12 ^{II} 45	23 ^{II} 17	9° 1	9° 9	28°57	14°54	22° 0	4°11	10 ^{II} 28	27 ^{II} 40	27°43	18°36	7° 0	T 2
F 3	16 44 10	12° 9'15	27°22	23°23	10°15	9°54	29° 5	14°57	22° 1	4°12	10°26	27° 4	27°40	18°42	7° 0	F 3
S 4	16 48 6	13° 6'47	12 ^{III} 8	23°34	11°29	10°39	29°14	14°59	22° 2	4°12	10°25	26°56	27°36	18°49	7° 1	S 4
S 5	16 52 3	14° 4'18	26°55	23°49	12°42	11°23	29°22	15° 1	22° 3	4°13	10°24	26°47	27°33	18°56	7° 1	S 5
M 6	16 56 0	15° 1'48	11 ^{II} 36	24° 8	13°56	12° 8	29°30	15° 3	22° 4	4°14	10°22	26°36	27°30	19° 3	7° 2	M 6
T 7	16 59 56	15°59'17	26° 3	24°32	15°10	12°53	29°38	15° 5	22° 5	4°14	10°21	26°26	27°27	19° 9	7° 2	T 7
W 8	17 3 53	16°56'45	10 ^{II} 8	25° 0	16°23	13°37	29°46	15° 7	22° 6	4°15	10°20	26°17	27°24	19°16	7° 2	W 8
T 9	17 7 49	17°54'13	23°49	25°32	17°37	14°22	29°54	15° 9	22° 7	4°16	10°18	26°11	27°21	19°23	7° 2	T 9
F 10	17 11 46	18°51'39	7 ^{II} 4	26° 8	18°51	15° 6	0 ^Y 2	15°10	22° 8	4°17	10°17	26° 8	27°17	19°29	7° 2	F 10
S 11	17 15 42	19°49'05	19°53	26°49	20° 5	15°51	0° 9	15°12	22° 9	4°17	10°15	26° 6	27°14	19°36	7°R 2	S 11
S 12	17 19 39	20°46'29	2 ^{II} 22	27°33	21°18	16°35	0°17	15°13	22° 9	4°18	10°14	26°D 6	27°11	19°43	7° 2	S 12
M13	17 23 36	21°43'54	14°33	28°21	22°32	17°19	0°24	15°15	22°10	4°19	10°13	26° 6	27° 8	19°49	7° 2	M13
T 14	17 27 32	22°41'17	26°31	29°13	23°46	18° 4	0°31	15°16	22°11	4°20	10°11	26°R 7	27° 5	19°56	7° 2	T 14
W15	17 31 29	23°38'40	8 ^Y 23	0 ^{II} 9	25° 0	18°48	0°38	15°17	22°11	4°21	10°10	26° 5	27° 1	20° 3	7° 2	W15
T 16	17 35 25	24°36'03	20°13	1° 8	26°13	19°32	0°45	15°18	22°12	4°22	10° 8	26° 2	26°58	20° 9	7° 2	T 16
F 17	17 39 22	25°33'25	2 ^{II} 6	2°11	27°27	20°16	0°51	15°19	22°13	4°23	10° 7	25°57	26°55	20°16	7° 1	F 17
S 18	17 43 18	26°30'47	14° 6	3°17	28°41	21° 0	0°58	15°20	22°13	4°24	10° 5	25°49	26°52	20°23	7° 1	S 18
S 19	17 47 15	27°28'08	26°16	4°26	29°55	21°44	1° 4	15°21	22°13	4°25	10° 4	25°40	26°49	20°30	7° 0	S 19
M20	17 51 11	28°25'28	8 ^{II} 38	5°39	1 ^{II} 8	22°28	1°10	15°21	22°14	4°26	10° 2	25°29	26°46	20°36	7° 0	M20
T 21	17 55 8	29°22'48	21°13	6°56	2°22	23°12	1°16	15°22	22°14	4°27	10° 1	25°19	26°42	20°43	6°59	T 21
W22	17 59 5	0 ^{II} 20'08	4 ^{II} 2	8°15	3°36	23°56	1°22	15°22	22°14	4°29	9°59	25°10	26°39	20°50	6°59	W22
T 23	18 3 1	1°17'27	17° 4	9°38	4°49	24°40	1°28	15°23	22°15	4°30	9°58	25° 3	26°36	20°56	6°58	T 23
F 24	18 6 58	2°14'45	0 ^{II} 18	11° 4	6° 3	25°23	1°33	15°23	22°15	4°31	9°56	24°58	26°33	21° 3	6°57	F 24
S 25	18 10 54	3°12'03	13°43	12°33	7°17	26° 7	1°38	15°23	22°15	4°32	9°55	24°56	26°30	21°10	6°56	S 25
S 26	18 14 51	4° 9'20	27°20	14° 5	8°31	26°50	1°44	15°R23	22°15	4°34	9°53	24°D55	26°27	21°16	6°55	S 26
M27	18 18 47	5° 6'36	11 ^{III} 6	15°40	9°44	27°34	1°49	15°23	22°R15	4°35	9°52	24°56	26°23	21°23	6°55	M27
T 28	18 22 44	6° 3'52	25° 2	17°19	10°58	28°17	1°53	15°23	22°15	4°36	9°50	24°57	26°20	21°30	6°54	T 28
W29	18 26 40	7° 1'06	9 ^{II} 8	19° 0	12°12	29° 0	1°58	15°23	22°15	4°37	9°49	24°R57	26°17	21°37	6°52	W29
T 30	18 30 37	7 ^{II} 58'21	23 ^{II} 21	20 ^{II} 44	13 ^{II} 26	29°Y43	2°Y 2	15°II23	22°II15	4 ^{III} 39	9°II47	24°II56	26°II14	21°Y43	6°II51	T 30

Day	☉	☾		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	21n57	3n 3	2n37	15n 9	3s31	21n13	0s22	1n48	1s39	1s30	1s 7	7s31	1s41	3s53	0s46	10n33	0n38	18s33	4n28	12n25	12n14	3n33	3s25	5n56	
T 2	22 5	1s42	3 36	15 3	3 38	21 27	0 19	2 6	1 39	1 27	1 7	7 30	1 41	3 53	0 46	10 33	0 38	18 33	4 28	12 26	12 15	3 35	3 24	5 56	
F 3	22 13	6 26	4 23	14 59	3 44	21 40	0 17	2 23	1 40	1 23	1 7	7 29	1 42	3 52	0 46	10 33	0 38	18 33	4 28	12 28	12 16	3 37	3 24	5 57	
S 4	22 20	10 49	4 52	14 57	3 48	21 53	0 14	2 41	1 40	1 20	1 7	7 28	1 42	3 52	0 46	10 33	0 38	18 33	4 28	12 31	12 17	3 39	3 23	5 57	
S 5	22 27	14 33	5 2	14 57	3 52	22 5	0 12	2 58	1 40	1 17	1 8	7 28	1 42	3 51	0 46	10 32	0 38	18 33	4 27	12 34	12 18	3 41	3 23	5 57	
M 6	22 34	17 20	4 52	15 0	3 54	22 17	0 10	3 15	1 40	1 14	1 8	7 27	1 42	3 51	0 46	10 32	0 38	18 33	4 27	12 38	12 19	3 43	3 23	5 58	
T 7	22 40	18 58	4 23	15 4	3 55	22 27	0 7	3 32	1 40	1 11	1 8	7 27	1 43	3 51	0 46	10 32	0 38	18 33	4 27	12 41	12 20	3 45	3 22	5 58	
W 8	22 46	19 23	3 39	15 10	3 56	22 38	0 5	3 50	1 40	1 8	1 8	7 26	1 43	3 50	0 46	10 32	0 38	18 34	4 27	12 44	12 22	3 47	3 22	5 58	
T 9	22 51	18 38	2 43	15 19	3 55	22 47	0 3	4 7	1 40	1 5	1 9	7 26	1 43	3 50	0 46	10 31	0 38	18 34	4 27	12 46	12 23	3 49	3 21	5 59	
F 10	22 56	16 52	1 40	15 29	3 53	22 56	0 0	4 24	1 41	1 3	1 9	7 25	1 43	3 50	0 46	10 31	0 38	18 34	4 27	12 47	12 24	3 51	3 21	5 59	
S 11	23 1	14 18	0 33	15 40	3 51	23 4	0n 2	4 41	1 41	1 0	1 9	7 25	1 44	3 49	0 46	10 31	0 38	18 34	4 27	12 48	12 25	3 53	3 21	5 59	
S 12	23 5	11 8	0s33	15 53	3 48	23 12	0 5	4 58	1 41	0 57	1 9	7 25	1 44	3 49	0 46	10 30	0 38	18 34	4 27	12 48	12 26	3 55	3 21	6 0	
M13	23 9	7 34	1 37	16 8	3 44	23 18	0 7	5 14	1 41	0 54	1 10	7 24	1 44	3 49	0 47	10 30	0 38	18 34	4 27	12 48	12 27	3 57	3 20	6 0	
T 14	23 12	3 45	2 35	16 23	3 39	23 25	0 9	5 31	1 41	0 52	1 10	7 24	1 44	3 49	0 47	10 30	0 38	18 34	4 27	12 48	12 28	3 59	3 20	6 0	
W15	23 15	0n10	3 26	16 40	3 33	23 30	0 12	5 48	1 41	0 49	1 10	7 24	1 45	3 48	0 47	10 29	0 38	18 35	4 27	12 48	12 29	4 1	3 20	6 0	
T 16	23 18	4 4	4 8	16 58	3 27	23 35	0 14	6 4	1 41	0 47	1 10	7 24	1 45	3 48	0 47	10 29	0 38	18 35	4 27	12 49	12 30	4 3	3 20	6 1	
F 17	23 20	7 49	4 39	17 17	3 21	23 39	0 16	6 21	1 41	0 45	1 11	7 24	1 45	3 48	0 47	10 29	0 38	18 35	4 27	12 51	12 31	4 5	3 19	6 1	
S 18	23 21	11 18	4 58	17 37	3 13	23 42	0 19	6 37	1 41	0 42	1 11	7 23	1 45	3 48	0 47	10 28	0 38	18 35	4 27	12 54	12 32	4 7	3 19	6 1	
S 19	23 23	14 21	5 4	17 58	3 5	23 45	0 21	6 54	1 41	0 40	1 11	7 23	1 45	3 48	0 47	10 28	0 38	18 35	4 27	12 57	12 33	4 9	3 19	6 2	
M20	23 24	16 49	4 57	18 19	2 57	23 47	0 23	7 10	1 41	0 38	1 12	7 23	1 46	3 48	0 47	10 27	0 38	18 36	4 27	13 0	12 35	4 11	3 19	6 2	
T 21	23 24	18 33	4 34	18 41	2 48	23 49	0 26	7 26	1 41	0 36	1 12	7 23	1 46	3 48	0 47	10 27	0 38	18 36	4 27	13 4	12 36	4 13	3 19	6 2	
W22	23 24	19 23	3 58	19 3	2 38	23 49	0 28	7 42	1 41	0 34	1 12	7 23	1 46	3 47	0 47	10 27	0 38	18 36	4 27	13 7	12 37	4 15	3 19	6 3	
T 23	23 24	19 12	3 9	19 25	2 28	23 49	0 30	7 58	1 41	0 32	1 12	7 23	1 46	3 47	0 47	10 26	0 38	18 36	4 26	13 9	12 38	4 17	3 19	6 3	
F 24	23 23	17 58	2 8	19 47	2 18	23 48	0 32	8 14	1 41	0 30	1 13	7 23	1 47	3 47	0 47	10 26	0 38	18 36	4 26	13 11	12 39	4 19	3 19	6 3	
S 25	23 22	15 44	1 0	20 10	2 7	23 47	0 35	8 30	1 41	0 28	1 13	7 24	1 47	3 47	0 47	10 25	0 38	18 36	4 26	13 12	12 40	4 21	3 19	6 4	
S 26	23 20	12 35	0n13	20 32	1 56	23 45	0 37	8 46	1 41	0 26	1 13	7 24	1 47	3 47	0 47	10 25	0 38	18 37	4 26	13 12	12 41	4 23	3 19	6 4	
M27	23 18	8 43	1 26	20 54	1 45	23 42	0 39	9 1	1 41	0 24	1 14	7 24	1 47	3 47	0 47	10 24	0 38	18 37	4 26	13 12	12 42	4 25	3 19	6 4	
T 28	23 16	4 21	2 35	21 15	1 33	23 38	0 41	9 17	1 40	0 23	1 14	7 24	1 48	3 47	0 47	10 24	0 38	18 37	4 26	13 11	12 43	4 27	3 19	6 4	
W29	23 13	0s19	3 35	21 35	1 22	23 34	0 43	9 32	1 40	0 21	1 14	7 25	1 48	3 48	0 47	10 23	0 38	18 37	4 26	13 11	12 44	4 29	3 19	6 5	
T 30	23n10	4s59	4n23	21n55	1s10	23n29	0n45	9n48	1s40	0s20	1s14	7s25	1s48	3s48	0s47	10n23	0n38	18s37	4n26	13n11	12n45	4n31	3s19	6n 5	

ASTRODIENST EPHEMERIS for the year 2259
geocentric

JULY 2259

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	18 34 34	8♌55°34	7♍41	22♊32	14♋39	0♌27	2♍7	15°R22	22°R15	4♎40	9°R46	24°R53	26♏11	21♐50	6°R50	F 1
S 2	18 38 30	9°52'47	22° 4	24°22	15°53	1°10	2°11	15♋22	22♌15	4°42	9♌44	24♎49	26° 7	21°57	6♌49	S 2
S 3	18 42 27	10°50'00	6♌26	26°15	17° 7	1°53	2°15	15°21	22°14	4°43	9°43	24°43	26° 4	22° 3	6°48	S 3
M 4	18 46 23	11°47'12	20°40	28°10	18°20	2°36	2°18	15°20	22°14	4°45	9°41	24°36	26° 1	22°10	6°46	M 4
T 5	18 50 20	12°44'24	4♌43	0♌8	19°34	3°18	2°22	15°20	22°14	4°46	9°40	24°30	25°58	22°17	6°45	T 5
W 6	18 54 16	13°41'36	18°30	2° 8	20°48	4° 1	2°25	15°19	22°13	4°48	9°38	24°24	25°55	22°23	6°43	W 6
T 7	18 58 13	14°38'47	1♌57	4°11	22° 2	4°44	2°29	15°18	22°13	4°49	9°37	24°20	25°52	22°30	6°42	T 7
F 8	19 2 9	15°35'59	15° 3	6°15	23°15	5°26	2°32	15°17	22°12	4°51	9°35	24°18	25°48	22°37	6°40	F 8
S 9	19 6 6	16°33'11	27°49	8°21	24°29	6° 9	2°35	15°15	22°12	4°52	9°34	24°D18	25°45	22°44	6°39	S 9
S 10	19 10 3	17°30'22	10♌16	10°28	25°43	6°51	2°37	15°14	22°11	4°54	9°32	24°19	25°42	22°50	6°37	S 10
M 11	19 13 59	18°27'34	22°27	12°37	26°57	7°33	2°40	15°13	22°11	4°56	9°31	24°21	25°39	22°57	6°35	M 11
T 12	19 17 56	19°24'47	4♐27	14°46	28°10	8°16	2°42	15°11	22°10	4°57	9°29	24°22	25°36	23° 4	6°34	T 12
W 13	19 21 52	20°21'59	16°21	16°56	29°24	8°58	2°44	15°10	22° 9	4°59	9°28	24°R23	25°33	23°10	6°32	W 13
T 14	19 25 49	21°19'12	28°13	19° 5	0♌38	9°40	2°46	15° 8	22° 9	5° 1	9°26	24°23	25°29	23°17	6°30	T 14
F 15	19 29 45	22°16'25	10♌8	21°15	1°51	10°22	2°48	15° 6	22° 8	5° 2	9°25	24°21	25°26	23°24	6°28	F 15
S 16	19 33 42	23°13'39	22°11	23°25	3° 5	11° 3	2°49	15° 4	22° 7	5° 4	9°23	24°19	25°23	23°30	6°26	S 16
S 17	19 37 38	24°10'53	4♐25	25°34	4°19	11°45	2°50	15° 2	22° 6	5° 6	9°22	24°15	25°20	23°37	6°24	S 17
M 18	19 41 35	25° 8'08	16°54	27°42	5°33	12°27	2°52	15° 0	22° 5	5° 8	9°20	24°10	25°17	23°44	6°22	M 18
T 19	19 45 32	26° 5'23	29°40	29°49	6°46	13° 8	2°52	14°58	22° 4	5° 9	9°19	24° 6	25°13	23°51	6°20	T 19
W 20	19 49 28	27° 2'39	12♌44	1♌55	8° 0	13°50	2°53	14°56	22° 3	5°11	9°17	24° 1	25°10	23°57	6°18	W 20
T 21	19 53 25	27°59'55	26° 5	4° 0	9°14	14°31	2°54	14°54	22° 2	5°13	9°16	23°58	25° 7	24° 4	6°15	T 21
F 22	19 57 21	28°57'11	9♌41	6° 3	10°28	15°12	2°54	14°51	22° 1	5°15	9°14	23°56	25° 4	24°11	6°13	F 22
S 23	20 1 18	29°54'28	23°32	8° 5	11°41	15°53	2°R54	14°49	22° 0	5°17	9°13	23°D56	25° 1	24°17	6°11	S 23
S 24	20 5 14	0♌51°45	7♎33	10° 5	12°55	16°34	2°54	14°46	21°58	5°19	9°12	23°56	24°58	24°24	6° 9	S 24
M 25	20 9 11	1°49'02	21°42	12° 4	14° 9	17°15	2°54	14°44	21°57	5°21	9°10	23°57	24°54	24°31	6° 6	M 25
T 26	20 13 7	2°46'19	5♌55	14° 1	15°23	17°56	2°53	14°41	21°56	5°22	9° 9	23°59	24°51	24°37	6° 4	T 26
W 27	20 17 4	3°43'37	20°10	15°56	16°36	18°36	2°53	14°38	21°55	5°24	9° 7	24° 0	24°48	24°44	6° 1	W 27
T 28	20 21 1	4°40'55	4♎24	17°49	17°50	19°17	2°52	14°35	21°53	5°26	9° 6	24°R 0	24°45	24°51	5°59	T 28
F 29	20 24 57	5°38'13	18°35	19°41	19° 4	19°57	2°51	14°32	21°52	5°28	9° 5	24° 0	24°42	24°58	5°56	F 29
S 30	20 28 54	6°35'31	2♌40	21°31	20°18	20°37	2°50	14°29	21°50	5°30	9° 4	23°59	24°38	25° 4	5°54	S 30
S 31	20 32 50	7♌32°50	16♌38	23♌19	21♌31	21♌17	2♐48	14♌26	21♌49	5♎32	9♌2	23♌57	24♌35	25♐11	5♌51	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	lat	decl	decl	decl	decl	lat	decl	decl	decl	lat	decl	lat
F 1	23n 6	9s24	4n55	22n14	0s58	23n23	0n47	10n 3	1s40	0s18	1s15	7s25	1s48	3s48	0s47	10n22	0n38	18s38	4n26	13n12	12n46	4n33	3s20	6n 5										
S 2	23 2	13 17	5 8	22 31	0 46	23 17	0 49	10 18	1 40	0 17	1 15	7 26	1 49	3 48	0 47	10 22	0 38	18 38	4 26	13 14	12 47	4 35	3 20	6 6										
S 3	22 58	16 23	5 2	22 47	0 34	23 9	0 51	10 33	1 40	0 16	1 15	7 26	1 49	3 48	0 47	10 21	0 38	18 38	4 25	13 16	12 49	4 37	3 20	6 6										
M 4	22 53	18 28	4 37	23 1	0 22	23 2	0 53	10 48	1 40	0 14	1 16	7 27	1 49	3 48	0 47	10 21	0 38	18 38	4 25	13 18	12 50	4 39	3 20	6 6										
T 5	22 48	19 23	3 56	23 14	0 11	22 53	0 55	11 2	1 39	0 13	1 16	7 27	1 49	3 48	0 47	10 20	0 38	18 38	4 25	13 20	12 51	4 41	3 21	6 6										
W 6	22 42	19 7	3 2	23 24	0n 1	22 44	0 57	11 17	1 39	0 12	1 16	7 28	1 50	3 48	0 47	10 20	0 38	18 39	4 25	13 22	12 52	4 43	3 21	6 7										
T 7	22 36	17 46	1 58	23 32	0 12	22 34	0 59	11 31	1 39	0 11	1 16	7 28	1 50	3 49	0 47	10 19	0 38	18 39	4 25	13 23	12 53	4 45	3 21	6 7										
F 8	22 30	15 30	0 50	23 38	0 23	22 24	1 1	11 46	1 39	0 10	1 17	7 29	1 50	3 49	0 47	10 18	0 38	18 39	4 25	13 24	12 54	4 47	3 21	6 7										
S 9	22 23	12 31	0s19	23 41	0 33	22 13	1 2	12 0	1 38	0 9	1 17	7 30	1 50	3 49	0 47	10 18	0 38	18 39	4 25	13 24	12 55	4 49	3 22	6 7										
S 10	22 16	9 2	1 26	23 42	0 43	22 1	1 4	12 14	1 38	0 9	1 17	7 30	1 50	3 49	0 48	10 17	0 38	18 40	4 25	13 24	12 56	4 51	3 22	6 8										
M11	22 8	5 15	2 27	23 40	0 52	21 49	1 6	12 28	1 38	0 8	1 18	7 31	1 51	3 50	0 48	10 17	0 38	18 40	4 25	13 23	12 57	4 53	3 23	6 8										
T 12	22 0	1 19	3 22	23 36	1 1	21 36	1 7	12 42	1 38	0 7	1 18	7 32	1 51	3 50	0 48	10 16	0 38	18 40	4 24	13 23	12 58	4 55	3 23	6 8										
W13	21 52	2n38	4 6	23 28	1 9	21 22	1 9	12 55	1 37	0 7	1 18	7 33	1 51	3 50	0 48	10 15	0 38	18 40	4 24	13 22	12 59	4 57	3 23	6 8										
T 14	21 43	6 27	4 41	23 18	1 16	21 8	1 10	13 9	1 37	0 6	1 19	7 34	1 51	3 51	0 48	10 15	0 38	18 41	4 24	13 22	13 0	4 59	3 24	6 9										
F 15	21 34	10 2	5 3	23 5	1 23	20 53	1 12	13 22	1 37	0 6	1 19	7 35	1 52	3 51	0 48	10 14	0 38	18 41	4 24	13 23	13 1	5 1	3 24	6 9										
S 16	21 24	13 15	5 12	22 50	1 29	20 38	1 13	13 36	1 36	0 5	1 19	7 35	1 52	3 51	0 48	10 14	0 38	18 41	4 24	13 24	13 2	5 3	3 25	6 9										
S 17	21 15	15 57	5 8	22 32	1 34	20 22	1 15	13 49	1 36	0 5	1 19	7 36	1 52	3 52	0 48	10 13	0 38	18 41	4 24	13 25	13 4	5 5	3 25	6 9										
M18	21 4	17 58	4 48	22 11	1 38	20 5	1 16	14 2	1 36	0 5	1 20	7 37	1 52	3 52	0 48	10 12	0 38	18 42	4 24	13 27	13 5	5 7	3 26	6 9										
T 19	20 54	19 9	4 15	21 49	1 42	19 48	1 17	14 15	1 35	0 5	1 20	7 38	1 52	3 53	0 48	10 12	0 38	18 42	4 23	13 28	13 6	5 9	3 27	6 10										
W20	20 43	19 22	3 27	21 24	1 44	19 30	1 18	14 27	1 35	0 5	1 20	7 39	1 53	3 53	0 48	10 11	0 38	18 42	4 23	13 30	13 7	5 11	3 27	6 10										
T 21	20 32	18 30	2 27	20 57	1 46	19 12	1 19	14 40	1 35	0 5	1 21	7 41	1 53	3 53	0 48	10 10	0 38	18 42	4 23	13 31	13 8	5 13	3 28	6 10										
F 22	20 20	16 33	1 18	20 28	1 48	18 53	1 21	14 52	1 34	0 5	1 21	7 42	1 53	3 54	0 48	10 10	0 38	18 42	4 23	13 31	13 9	5 15	3 28	6 10										
S 23	20 8	13 37	0 2	19 58	1 48	18 34	1 22	15 4	1 34	0 5	1 21	7 43	1 53	3 54	0 48	10 9	0 38	18 43	4 23	13 31	13 10	5 17	3 29	6 10										
S 24	19 56	9 52	1n14	19 26	1 48	18 14	1 22	15 16	1 33	0 6	1 21	7 44	1 54	3 55	0 48	10 8	0 38	18 43	4 23	13 31	13 11	5 19	3 30	6 11										
M25	19 44	5 32	2 27	18 52	1 48	17 53	1 23	15 28	1 33	0 6	1 22	7 45	1 54	3 55	0 48	10 7	0 38	18 43	4 23	13 31	13 12	5 21	3 30	6 11										
T 26	19 31	0 53	3 31	18 18	1 46	17 33	1 24	15 40	1 32	0 7	1 22	7 46	1 54	3 56	0 48	10 7	0 38	18 43	4 22	13 30	13 13	5 23	3 31	6 11										
W27	19 17	3s49	4 22	17 42	1 44	17 11	1 25	15 52	1 32	0 7	1 22	7 48	1 54	3 56	0 48	10 6	0 38	18 44	4 22	13 30	13 14	5 25	3 32	6 11										
T 28	19 4	8 18	4 57	17 5	1 42	16 49	1 26	16 3	1 31	0 8	1 23	7 49	1 54	3 57	0 48	10 5	0 38	18 44	4 22	13 30	13 15	5 27	3 33	6 11										
F 29	18 50	12 18	5 14	16 27	1 38	16 27	1 26	16 14	1 31	0 8	1 23	7 50	1 55	3 58	0 48	10 5	0 38	18 44	4 22	13 30	13 16	5 29	3 33	6 11										
S 30	18 36	15 34	5 12	15 48	1 35	16 4	1 27	16 26	1 30	0 9	1 23	7 52	1 55	3 58	0 48	10 4	0 38	18 44	4 22	13 31	13 17	5 31	3 34	6 12										
S 31	18n21	17s54	4n51	15n 9	1n31	15n41	1n27	16n37	1s30	0s10	1s24	7s53	1s55	3s59	0s48	10n 3	0n38	18s45	4n22	13n31	13n18	5n33	3s35	6n12										

ASTRODIENST EPHEMERIS for the year 2259

geocentric

AUGUST 2259

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 36 47	8Ω30'09	0☾26	25Ω 5	22Ω45	21♂57	2°R47	14°R23	21°R47	5♂34	9°R 1	23°R55	24Ω32	25Υ18	5°R49	M 1
T 2	20 40 43	9°27'29	14° 2	26°50	23°59	22°37	2Υ45	14♂20	21♂46	5°36	9☾ 0	23Ω53	24°29	25°24	5♂46	T 2
W 3	20 44 40	10°24'50	27°23	28°33	25°12	23°16	2°43	14°17	21°44	5°38	8°58	23°51	24°26	25°31	5°43	W 3
T 4	20 48 36	11°22'11	10♂30	0♂14	26°26	23°56	2°41	14°13	21°43	5°40	8°57	23°50	24°23	25°38	5°40	T 4
F 5	20 52 33	12°19'33	23°20	1°54	27°40	24°35	2°38	14°10	21°41	5°43	8°56	23°D50	24°19	25°45	5°38	F 5
S 6	20 56 30	13°16'55	5♂55	3°32	28°53	25°15	2°36	14° 6	21°39	5°45	8°55	23°50	24°16	25°51	5°35	S 6
S 7	21 0 26	14°14'19	18°16	5° 8	0♂ 7	25°54	2°33	14° 3	21°38	5°47	8°54	23°51	24°13	25°58	5°32	S 7
M 8	21 4 23	15°11'44	0Υ24	6°43	1°21	26°33	2°30	13°59	21°36	5°49	8°52	23°52	24°10	26° 5	5°29	M 8
T 9	21 8 19	16° 9'09	12°24	8°15	2°34	27°11	2°27	13°55	21°34	5°51	8°51	23°53	24° 7	26°11	5°26	T 9
W10	21 12 16	17° 6'36	24°17	9°46	3°48	27°50	2°23	13°52	21°32	5°53	8°50	23°53	24° 4	26°18	5°24	W10
T 11	21 16 12	18° 4'04	6♂10	11°16	5° 2	28°29	2°20	13°48	21°30	5°55	8°49	23°54	24° 0	26°25	5°21	T 11
F 12	21 20 9	19° 1'34	18° 5	12°43	6°16	29° 7	2°16	13°44	21°29	5°57	8°48	23°R54	23°57	26°31	5°18	F 12
S 13	21 24 5	19°59'04	0Π 7	14° 9	7°29	29°45	2°12	13°40	21°27	5°59	8°47	23°54	23°54	26°38	5°15	S 13
S 14	21 28 2	20°56'36	12°22	15°34	8°43	0Π23	2° 8	13°36	21°25	6° 2	8°46	23°54	23°51	26°45	5°12	S 14
M15	21 31 59	21°54'10	24°53	16°56	9°57	1° 1	2° 4	13°32	21°23	6° 4	8°45	23°53	23°48	26°52	5° 9	M15
T 16	21 35 55	22°51'45	7☾43	18°16	11°10	1°39	1°59	13°28	21°21	6° 6	8°44	23°53	23°44	26°58	5° 6	T 16
W17	21 39 52	23°49'21	20°55	19°35	12°24	2°16	1°55	13°24	21°19	6° 8	8°43	23°D53	23°41	27° 5	5° 3	W17
T 18	21 43 48	24°46'58	4Ω29	20°52	13°37	2°54	1°50	13°20	21°17	6°10	8°42	23°53	23°38	27°12	5° 0	T 18
F 19	21 47 45	25°44'37	18°24	22° 7	14°51	3°31	1°45	13°15	21°15	6°12	8°41	23°R53	23°35	27°18	4°57	F 19
S 20	21 51 41	26°42'16	2♂38	23°19	16° 5	4° 8	1°40	13°11	21°12	6°15	8°40	23°53	23°32	27°25	4°54	S 20
S 21	21 55 38	27°39'58	17° 5	24°30	17°18	4°45	1°35	13° 7	21°10	6°17	8°39	23°53	23°29	27°32	4°51	S 21
M22	21 59 34	28°37'40	1♂41	25°38	18°32	5°21	1°29	13° 3	21° 8	6°19	8°38	23°53	23°25	27°39	4°48	M22
T 23	22 3 31	29°35'23	16°19	26°45	19°46	5°57	1°24	12°58	21° 6	6°21	8°38	23°52	23°22	27°45	4°44	T 23
W24	22 7 28	0♂33'07	0Π53	27°48	20°59	6°34	1°18	12°54	21° 4	6°23	8°37	23°52	23°19	27°52	4°41	W24
T 25	22 11 24	1°30'53	15°18	28°50	22°13	7°10	1°12	12°50	21° 2	6°26	8°36	23°51	23°16	27°59	4°38	T 25
F 26	22 15 21	2°28'39	29°31	29°48	23°26	7°45	1° 6	12°45	20°59	6°28	8°35	23°D51	23°13	28° 5	4°35	F 26
S 27	22 19 17	3°26'27	13♂29	0♂44	24°40	8°21	1° 0	12°41	20°57	6°30	8°34	23°51	23°10	28°12	4°32	S 27
S 28	22 23 14	4°24'16	27°11	1°37	25°54	8°56	0°54	12°36	20°55	6°32	8°34	23°51	23° 6	28°19	4°29	S 28
M29	22 27 10	5°22'06	10☾38	2°27	27° 7	9°32	0°48	12°32	20°53	6°35	8°33	23°52	23° 3	28°25	4°26	M29
T 30	22 31 7	6°19'57	23°50	3°14	28°21	10° 6	0°41	12°27	20°50	6°37	8°32	23°53	23° 0	28°32	4°23	T 30
W31	22 35 3	7♂17'49	6♂48	3♂57	29♂34	10Π41	0Υ34	12♂23	20♂48	6♂39	8☾32	23Ω54	22Ω57	28Υ39	4♂20	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	18n 7	19s10	4n14	14n29	1n26	15n18	1n28	16n47	1s29	0s11	1s24	7s54	1s55	3s59	0s48	10n 2
T 2	17 52	19 18	3 23	13 49	1 21	14 54	1 28	16 58	1 29	0 12	1 24	7 56	1 55	4 0	0 48	10 2
W 3	17 36	18 21	2 21	13 8	1 15	14 29	1 29	17 8	1 28	0 13	1 24	7 57	1 55	4 1	0 48	10 1
T 4	17 21	16 24	1 13	12 27	1 9	14 5	1 29	17 19	1 28	0 14	1 25	7 59	1 56	4 1	0 48	10 0
F 5	17 5	13 41	0 3	11 46	1 3	13 40	1 29	17 29	1 27	0 15	1 25	8 0	1 56	4 2	0 48	9 59
S 6	16 48	10 21	1s 6	11 4	0 56	13 14	1 29	17 39	1 26	0 17	1 25	8 2	1 56	4 3	0 48	9 59
S 7	16 32	6 39	2 11	10 23	0 49	12 48	1 29	17 49	1 26	0 18	1 26	8 3	1 56	4 3	0 48	9 58
M 8	16 15	2 44	3 9	9 41	0 42	12 22	1 29	17 58	1 25	0 19	1 26	8 5	1 56	4 4	0 48	9 57
T 9	15 58	1n14	3 58	8 59	0 34	11 56	1 29	18 8	1 24	0 21	1 26	8 6	1 56	4 5	0 48	9 56
W10	15 41	5 7	4 36	8 18	0 26	11 29	1 29	18 17	1 24	0 22	1 26	8 8	1 57	4 6	0 48	9 56
T 11	15 24	8 48	5 2	7 36	0 18	11 2	1 29	18 26	1 23	0 24	1 27	8 10	1 57	4 6	0 48	9 55
F 12	15 6	12 8	5 15	6 55	0 9	10 34	1 28	18 35	1 22	0 26	1 27	8 11	1 57	4 7	0 49	9 54
S 13	14 48	15 0	5 15	6 14	0 1	10 7	1 28	18 44	1 22	0 28	1 27	8 13	1 57	4 8	0 49	9 53
S 14	14 30	17 16	5 1	5 33	0s 8	9 39	1 28	18 53	1 21	0 29	1 27	8 15	1 57	4 9	0 49	9 52
M15	14 11	18 46	4 32	4 53	0 18	9 11	1 27	19 1	1 20	0 31	1 28	8 16	1 57	4 9	0 49	9 52
T 16	13 52	19 22	3 49	4 13	0 27	8 42	1 27	19 10	1 19	0 33	1 28	8 18	1 58	4 10	0 49	9 51
W17	13 34	18 56	2 53	3 34	0 36	8 13	1 26	19 18	1 19	0 35	1 28	8 20	1 58	4 11	0 49	9 50
T 18	13 15	17 24	1 46	2 55	0 46	7 45	1 25	19 26	1 18	0 37	1 28	8 21	1 58	4 12	0 49	9 49
F 19	12 55	14 49	0 30	2 16	0 56	7 15	1 25	19 34	1 17	0 40	1 29	8 23	1 58	4 13	0 49	9 48
S 20	12 36	11 16	0n48	1 39	1 6	6 46	1 24	19 42	1 16	0 42	1 29	8 25	1 58	4 14	0 49	9 48
S 21	12 16	7 1	2 5	1 1	1 16	6 17	1 23	19 49	1 15	0 44	1 29	8 27	1 58	4 14	0 49	9 47
M22	11 56	2 18	3 15	0 25	1 26	5 47	1 22	19 56	1 15	0 46	1 29	8 28	1 58	4 15	0 49	9 46
T 23	11 36	2s32	4 11	0s10	1 36	5 17	1 21	20 4	1 14	0 49	1 30	8 30	1 58	4 16	0 49	9 45
W24	11 16	7 12	4 52	0 45	1 46	4 47	1 20	20 11	1 13	0 51	1 30	8 32	1 59	4 17	0 49	9 44
T 25	10 55	11 24	5 13	1 19	1 56	4 17	1 18	20 17	1 12	0 54	1 30	8 34	1 59	4 18	0 49	9 44
F 26	10 35	14 53	5 15	1 51	2 6	3 47	1 17	20 24	1 11	0 56	1 30	8 36	1 59	4 19	0 49	9 43
S 27	10 14	17 27	4 58	2 23	2 16	3 17	1 16	20 31	1 10	0 59	1 30	8 37	1 59	4 20	0 49	9 42
S 28	9 53	18 58	4 25	2 53	2 26	2 46	1 15	20 37	1 9	1 2	1 31	8 39	1 59	4 21	0 49	9 41
M29	9 32	19 22	3 37	3 22	2 36	2 16	1 13	20 43	1 8	1 4	1 31	8 41	1 59	4 21	0 49	9 40
T 30	9 11	18 42	2 39	3 50	2 46	1 45	1 12	20 50	1 7	1 7	1 31	8 43	1 59	4 22	0 49	9 40
W31	8n49	17s 2	1n33	4s16	2s56	1n15	1n10	20n55	1s 6	1s10	1s31	8s45	1s59	4s23	0s49	9n39

Julian Day Number = 2546354.5, Delta T = 233.53 sec
 Ecliptic obliquity = 23°24'12, Nutation = - 0°00'09, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°22'06, Lahiri = 27°29'06

ASTRODIENST EPHEMERIS for the year 2259

geocentric

SEPTEMBER 2259

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 39 0	8♍15'43	19♋32	4♊37	0♏48	11♏16	0°R28	12°R18	20°R46	6♍41	8°R31	23°R55	22♏54	28♍46	4°R17	T 1
F 2	22 42 57	9°13'38	2♊5	5°13	2°1	11°50	0♍21	12♋14	20♋43	6°43	8♌31	23♏55	22°50	28°52	4♋14	F 2
S 3	22 46 53	10°11'35	14°26	5°44	3°15	12°24	0°14	12°9	20°41	6°46	8°30	23°54	22°47	28°59	4°10	S 3
S 4	22 50 50	11°9'33	26°37	6°11	4°28	12°58	0°7	12°4	20°39	6°48	8°30	23°52	22°44	29°6	4°7	S 4
M 5	22 54 46	12°7'33	8♍40	6°34	5°42	13°31	29♋59	12°0	20°36	6°50	8°29	23°49	22°41	29°12	4°4	M 5
T 6	22 58 43	13°5'35	20°36	6°51	6°55	14°5	29°52	11°55	20°34	6°52	8°29	23°46	22°38	29°19	4°1	T 6
W 7	23 2 39	14°3'38	2♌29	7°4	8°9	14°38	29°45	11°51	20°32	6°55	8°28	23°43	22°35	29°26	3°58	W 7
T 8	23 6 36	15°1'43	14°20	7°10	9°22	15°11	29°37	11°46	20°29	6°57	8°28	23°40	22°31	29°33	3°55	T 8
F 9	23 10 32	15°59'51	26°14	7°R11	10°35	15°43	29°30	11°42	20°27	6°59	8°28	23°38	22°28	29°39	3°52	F 9
S 10	23 14 29	16°58'00	8♏15	7°6	11°49	16°16	29°22	11°37	20°25	7°1	8°27	23°37	22°25	29°46	3°49	S 10
S 11	23 18 25	17°56'11	20°27	6°55	13°2	16°48	29°15	11°33	20°22	7°3	8°27	23°D37	22°22	29°53	3°46	S 11
M12	23 22 22	18°54'24	2♌55	6°38	14°16	17°19	29°7	11°28	20°20	7°6	8°27	23°37	22°19	29°59	3°43	M12
T 13	23 26 19	19°52'39	15°42	6°13	15°29	17°51	28°59	11°24	20°17	7°8	8°26	23°39	22°16	0♌6	3°40	T 13
W14	23 30 15	20°50'57	28°53	5°43	16°42	18°22	28°51	11°19	20°15	7°10	8°26	23°40	22°12	0°13	3°38	W14
T 15	23 34 12	21°49'16	12♏30	5°6	17°56	18°53	28°44	11°15	20°13	7°12	8°26	23°41	22°9	0°20	3°35	T 15
F 16	23 38 8	22°47'37	26°33	4°23	19°9	19°24	28°36	11°10	20°10	7°14	8°26	23°R42	22°6	0°26	3°32	F 16
S 17	23 42 5	23°46'00	11♏1	3°34	20°22	19°54	28°28	11°6	20°8	7°16	8°26	23°41	22°3	0°33	3°29	S 17
S 18	23 46 1	24°44'25	25°48	2°41	21°36	20°24	28°20	11°2	20°5	7°19	8°26	23°38	22°0	0°40	3°26	S 18
M19	23 49 58	25°42'52	10♏48	1°43	22°49	20°53	28°12	10°57	20°3	7°21	8°26	23°35	21°56	0°46	3°23	M19
T 20	23 53 54	26°41'20	25°51	0°43	24°2	21°23	28°4	10°53	20°1	7°23	8°D26	23°30	21°53	0°53	3°21	T 20
W21	23 57 51	27°39'50	10♏48	29♏40	25°15	21°52	27°56	10°49	19°58	7°25	8°26	23°25	21°50	1°0	3°18	W21
T 22	0 1 48	28°38'22	25°32	28°37	26°29	22°20	27°48	10°44	19°56	7°27	8°26	23°21	21°47	1°7	3°15	T 22
F 23	0 5 44	29°36'56	9♌56	27°35	27°42	22°49	27°40	10°40	19°54	7°29	8°26	23°18	21°44	1°13	3°12	F 23
S 24	0 9 41	0♏35'31	23°57	26°36	28°55	23°16	27°32	10°36	19°51	7°31	8°26	23°16	21°41	1°20	3°10	S 24
S 25	0 13 37	1°34'08	7♌35	25°41	0♏8	23°44	27°24	10°32	19°49	7°33	8°26	23°D16	21°37	1°27	3°7	S 25
M26	0 17 34	2°32'47	20°51	1°22	24°11	27°16	27°16	10°28	19°47	7°35	8°26	23°17	21°34	1°33	3°5	M26
T 27	0 21 30	3°31'27	3♋48	24°8	2°35	24°38	27°8	10°24	19°44	7°37	8°26	23°19	21°31	1°40	3°2	T 27
W28	0 25 27	4°30'09	16°28	23°33	3°48	25°4	27°0	10°20	19°42	7°39	8°27	23°20	21°28	1°47	3°0	W28
T 29	0 29 23	5°28'52	28°55	23°7	5°1	25°31	26°52	10°16	19°40	7°41	8°27	23°R20	21°25	1°54	2°57	T 29
F 30	0 33 20	6♏27'37	11♋11	22♏51	6♏14	25♏56	26♋44	10♋12	19♋37	7♏43	8♌27	23♏18	21♏21	2♌0	2♋55	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	8n28	14s33	0n24	4s40	3s 5	0n44	1n 8	21n 1	1 s 5	1s13	1s31	8s46	1s59	4s24	0s49	9n38	0n38	18s53	4n15	13n32	13n52	6n37	4s 8	6n12	
F 2	8 6	11 25	0s45	5 2	3 14	0 13	1 7	21 7	1 4	1 16	1 32	8 48	1 59	4 25	0 49	9 37	0 38	18 53	4 15	13 32	13 53	6 39	4 10	6 12	
S 3	7 44	7 50	1 51	5 23	3 23	0s18	1 5	21 12	1 3	1 19	1 32	8 50	1 59	4 26	0 49	9 36	0 38	18 54	4 15	13 32	13 54	6 41	4 11	6 12	
S 4	7 22	3 57	2 51	5 42	3 32	0 48	1 3	21 18	1 2	1 22	1 32	8 52	2 0	4 27	0 49	9 35	0 38	18 54	4 15	13 33	13 55	6 43	4 12	6 12	
M 5	7 0	0n 1	3 42	5 58	3 40	1 19	1 1	21 23	1 1	1 25	1 32	8 54	2 0	4 28	0 49	9 35	0 38	18 54	4 14	13 34	13 56	6 45	4 13	6 12	
T 6	6 38	3 58	4 24	6 12	3 47	1 50	0 59	21 28	1 0	1 28	1 32	8 55	2 0	4 29	0 49	9 34	0 38	18 54	4 14	13 35	13 57	6 47	4 14	6 12	
W 7	6 16	7 43	4 53	6 23	3 54	2 21	0 57	21 33	0 59	1 31	1 32	8 57	2 0	4 30	0 49	9 33	0 38	18 55	4 14	13 36	13 58	6 49	4 16	6 12	
T 8	5 53	11 10	5 10	6 31	4 0	2 51	0 55	21 38	0 58	1 34	1 32	8 59	2 0	4 31	0 49	9 32	0 38	18 55	4 14	13 37	13 59	6 51	4 17	6 11	
F 9	5 31	14 11	5 14	6 37	4 6	3 22	0 53	21 42	0 56	1 37	1 33	9 1	2 0	4 32	0 49	9 31	0 38	18 55	4 13	13 37	14 0	6 53	4 18	6 11	
S 10	5 8	16 38	5 4	6 39	4 10	3 53	0 51	21 47	0 55	1 40	1 33	9 3	2 0	4 33	0 49	9 31	0 38	18 55	4 13	13 38	14 1	6 55	4 19	6 11	
S 11	4 46	18 24	4 41	6 37	4 14	4 23	0 49	21 51	0 54	1 43	1 33	9 4	2 0	4 34	0 49	9 30	0 38	18 56	4 13	13 38	14 2	6 57	4 20	6 11	
M12	4 23	19 19	4 4	6 33	4 16	4 54	0 47	21 55	0 53	1 46	1 33	9 6	2 0	4 34	0 49	9 29	0 38	18 56	4 13	13 38	14 3	6 59	4 22	6 11	
T 13	4 0	19 17	3 14	6 24	4 17	5 24	0 44	22 0	0 52	1 49	1 33	9 8	2 0	4 35	0 49	9 28	0 38	18 56	4 13	13 37	14 4	7 1	4 23	6 11	
W14	3 37	18 12	2 12	6 11	4 16	5 55	0 42	22 4	0 50	1 53	1 33	9 9	2 0	4 36	0 49	9 27	0 38	18 56	4 12	13 37	14 5	7 3	4 24	6 10	
T 15	3 14	16 3	1 1	5 55	4 14	6 25	0 40	22 8	0 49	1 56	1 33	9 11	2 0	4 37	0 49	9 27	0 38	18 57	4 12	13 36	14 6	7 5	4 25	6 10	
F 16	2 51	12 53	0n16	5 34	4 10	6 55	0 37	22 11	0 48	1 59	1 33	9 13	2 0	4 38	0 49	9 26	0 38	18 57	4 12	13 36	14 7	7 7	4 26	6 10	
S 17	2 28	8 52	1 33	5 9	4 4	7 25	0 35	22 15	0 46	2 2	1 33	9 15	2 0	4 39	0 49	9 25	0 38	18 57	4 12	13 36	14 8	7 9	4 28	6 10	
S 18	2 5	4 13	2 47	4 41	3 57	7 54	0 32	22 18	0 45	2 6	1 33	9 16	2 0	4 40	0 49	9 24	0 38	18 57	4 11	13 37	14 9	7 11	4 29	6 10	
M19	1 42	0s45	3 49	4 10	3 47	8 24	0 30	22 22	0 44	2 9	1 33	9 18	2 0	4 41	0 49	9 24	0 38	18 58	4 11	13 38	14 10	7 13	4 30	6 9	
T 20	1 19	5 41	4 36	3 35	3 36	8 54	0 27	22 25	0 42	2 12	1 33	9 20	2 0	4 42	0 49	9 23	0 38	18 58	4 11	13 40	14 11	7 15	4 31	6 9	
W21	0 56	10 14	5 4	2 58	3 23	9 23	0 24	22 28	0 41	2 15	1 34	9 21	2 0	4 43	0 49	9 22	0 38	18 58	4 11	13 42	14 12	7 17	4 32	6 9	
T 22	0 32	14 4	5 11	2 19	3 7	9 52	0 22	22 32	0 40	2 18	1 34	9 23	2 0	4 44	0 49	9 21	0 38	18 58	4 10	13 43	14 14	7 19	4 34	6 9	
F 23	0 9	16 59	4 58	1 39	2 51	10 21	0 19	22 35	0 38	2 22	1 34	9 24	2 0	4 45	0 49	9 20	0 38	18 58	4 10	13 44	14 15	7 21	4 35	6 8	
S 24	0s14	18 48	4 28	1 0	2 33	10 49	0 16	22 37	0 37	2 25	1 34	9 26	2 0	4 46	0 49	9 20	0 38	18 59	4 10	13 44	14 16	7 23	4 36	6 8	
S 25	0 37	19 28	3 43	0 20	2 14	11 18	0 13	22 40	0 35	2 28	1 34	9 27	2 0	4 47	0 49	9 19	0 38	18 59	4 10	13 44	14 17	7 25	4 37	6 8	
M26	1 1	19 2	2 47	0n17	1 54	11 46	0 11	22 43	0 34	2 31	1 34	9 29	2 0	4 47	0 49	9 18	0 38	18 59	4 10	13 44	14 18	7 27	4 38	6 8	
T 27	1 24	17 35	1 44	0 53	1 34	12 14	0 8	22 46	0 32	2 34	1 34	9 30	2 0	4 48	0 49	9 17	0 38	18 59	4 9	13 44	14 19	7 29	4 39	6 7	
W28	1 47	15 17	0 37	1 25	1 14	12 41	0 5	22 48	0 31	2 37	1 34	9 32	2 0	4 49	0 49	9 17	0 38	19 0	4 9	13 43	14 20	7 31	4 41	6 7	
T 29	2 10	12 18	0s30	1 54	0 54	13 9	0 2	22 51	0 29	2 40	1 34	9 33	2 0	4 50	0 49	9 16	0 38	19 0	4 9	13 43	14 21	7 33	4 42	6 7	
F 30	2s34	8s50	1s35	2n18	0s35	13s36	0s 1	22n53	0s27	2s44	1s34	9s35	2s 0	4s51	0s49	9n15	0n38	19s 0	4n 9	13n44	14n22	7n35	4s43	6n 7	

ASTRODIENST EPHEMERIS for the year 2259
geocentric

OCTOBER 2259

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 37 17	7♂26'25	23♂19	22°D44	7♂27	26♂21	26°R37	10°R 8	19°R35	7♂45	8♂27	23°R15	21♂18	2♂ 7	2°R52	S 1
S 2	0 41 13	8°25'14	5♂21	22♂47	8°40	26°46	26♂29	10♂ 5	19♂33	7°47	8°28	23♂ 9	21°15	2°14	2♂50	S 2
M 3	0 45 10	9°24'04	17°18	23° 1	9°53	27°11	26°21	10° 1	19°31	7°49	8°28	23° 1	21°12	2°20	2°48	M 3
T 4	0 49 6	10°22'58	29°11	23°24	11° 6	27°35	26°14	9°57	19°29	7°51	8°28	22°52	21° 9	2°27	2°45	T 4
W 5	0 53 3	11°21'53	11♂ 3	23°57	12°19	27°58	26° 6	9°54	19°26	7°53	8°29	22°43	21° 6	2°34	2°43	W 5
T 6	0 56 59	12°20'50	22°55	24°39	13°32	28°21	25°59	9°50	19°24	7°55	8°29	22°34	21° 2	2°41	2°41	T 6
F 7	1 0 56	13°19'49	4♂49	25°30	14°45	28°44	25°52	9°47	19°22	7°57	8°30	22°26	20°59	2°47	2°39	F 7
S 8	1 4 52	14°18'51	16°50	26°28	15°58	29° 6	25°45	9°44	19°20	7°59	8°30	22°20	20°56	2°54	2°37	S 8
S 9	1 8 49	15°17'55	29° 0	27°33	17°11	29°28	25°37	9°40	19°18	8° 1	8°31	22°16	20°53	3° 1	2°35	S 9
M10	1 12 45	16°17'02	11♂23	28°45	18°24	29°49	25°30	9°37	19°16	8° 3	8°32	22°D15	20°50	3° 7	2°33	M10
T 11	1 16 42	17°16'10	24° 5	0♂ 2	19°37	0♂10	25°24	9°34	19°14	8° 4	8°32	22°15	20°47	3°14	2°31	T 11
W12	1 20 39	18°15'21	7♂ 9	1°25	20°50	0°30	25°17	9°31	19°12	8° 6	8°33	22°16	20°43	3°21	2°29	W12
T 13	1 24 35	19°14'34	20°40	2°51	22° 2	0°50	25°10	9°28	19°10	8° 8	8°34	22°R16	20°40	3°28	2°27	T 13
F 14	1 28 32	20°13'50	4♂39	4°21	23°15	1° 9	25° 4	9°25	19° 8	8°10	8°34	22°16	20°37	3°34	2°26	F 14
S 15	1 32 28	21°13'07	19° 6	5°54	24°28	1°27	24°57	9°22	19° 6	8°12	8°35	22°13	20°34	3°41	2°24	S 15
S 16	1 36 25	22°12'27	3♂58	7°30	25°41	1°45	24°51	9°20	19° 4	8°13	8°36	22° 8	20°31	3°48	2°22	S 16
M17	1 40 21	23°11'49	19° 9	9° 8	26°54	2° 3	24°45	9°17	19° 2	8°15	8°37	22° 0	20°27	3°54	2°21	M17
T 18	1 44 18	24°11'13	4♂27	10°47	28° 6	2°20	24°39	9°14	19° 0	8°17	8°37	21°51	20°24	4° 1	2°19	T 18
W19	1 48 14	25°10'40	19°43	12°28	29°19	2°36	24°33	9°12	18°59	8°18	8°38	21°42	20°21	4° 8	2°18	W19
T 20	1 52 11	26°10'08	4♂44	14° 9	0♂32	2°51	24°27	9°10	18°57	8°20	8°39	21°33	20°18	4°15	2°16	T 20
F 21	1 56 8	27° 9'37	19°24	15°51	1°44	3° 6	24°22	9° 7	18°55	8°22	8°40	21°25	20°15	4°21	2°15	F 21
S 22	2 0 4	28° 9'09	3♂36	17°34	2°57	3°21	24°16	9° 5	18°53	8°23	8°41	21°21	20°12	4°28	2°13	S 22
S 23	2 4 1	29° 8'43	17°19	19°17	4°10	3°34	24°11	9° 3	18°52	8°25	8°42	21°18	20° 8	4°35	2°12	S 23
M24	2 7 57	0♂ 8'18	0♂35	21° 0	5°22	3°47	24° 6	9° 1	18°50	8°26	8°43	21°D18	20° 5	4°41	2°11	M24
T 25	2 11 54	1° 7'54	13°27	22°43	6°35	4° 0	24° 1	8°59	18°48	8°28	8°44	21°18	20° 2	4°48	2°10	T 25
W26	2 15 50	2° 7'33	25°59	24°26	7°47	4°11	23°56	8°57	18°47	8°29	8°45	21°R18	19°59	4°55	2° 9	W26
T 27	2 19 47	3° 7'13	8♂17	26° 8	9° 0	4°22	23°52	8°55	18°45	8°31	8°46	21°17	19°56	5° 2	2° 8	T 27
F 28	2 23 43	4° 6'55	20°23	27°50	10°12	4°33	23°47	8°54	18°44	8°32	8°47	21°13	19°52	5° 8	2° 7	F 28
S 29	2 27 40	5° 6'38	2♂22	29°32	11°25	4°42	23°43	8°52	18°43	8°34	8°49	21° 7	19°49	5°15	2° 6	S 29
S 30	2 31 37	6° 6'24	14°16	1♂14	12°37	4°51	23°39	8°51	18°41	8°35	8°50	20°57	19°46	5°22	2° 5	S 30
M31	2 35 33	7♂ 6'11	26♂ 9	2♂55	13♂49	4♂59	23♂35	8♂49	18♂40	8♂36	8♂51	20♂45	19♂43	5♂28	2♂ 4	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	2s57	5s 1	2s35	2n38	0s16	14s 2	0s 4	22n56	0s26	2s47	1s34	9s36	2s 0	4s52	0s49	9n15
S 2	3 20	1 3	3 27	2 53	0n 2	14 29	0 7	22 58	0 24	2 50	1 33	9 38	2 0	4 53	0 49	9 14
M 3	3 43	2n56	4 10	3 3	0 18	14 55	0 10	23 0	0 22	2 53	1 33	9 39	2 0	4 54	0 49	9 13
T 4	4 6	6 47	4 41	3 8	0 34	15 20	0 13	23 2	0 21	2 55	1 33	9 40	2 0	4 54	0 49	9 12
W 5	4 29	10 21	5 0	3 8	0 48	15 46	0 16	23 4	0 19	2 58	1 33	9 42	2 0	4 55	0 49	9 12
T 6	4 52	13 32	5 6	3 3	1 1	16 11	0 19	23 6	0 17	3 1	1 33	9 43	2 0	4 56	0 49	9 11
F 7	5 15	16 9	4 59	2 54	1 12	16 35	0 22	23 8	0 15	3 4	1 33	9 44	1 59	4 57	0 49	9 10
S 8	5 38	18 7	4 39	2 40	1 23	17 0	0 25	23 10	0 14	3 7	1 33	9 45	1 59	4 58	0 49	9 10
S 9	6 1	19 18	4 6	2 22	1 31	17 23	0 28	23 12	0 12	3 10	1 33	9 46	1 59	4 58	0 49	9 9
M10	6 24	19 35	3 21	2 0	1 39	17 47	0 31	23 14	0 10	3 12	1 33	9 48	1 59	4 59	0 49	9 8
T 11	6 46	18 53	2 25	1 35	1 45	18 10	0 34	23 16	0 8	3 15	1 33	9 49	1 59	5 0	0 49	9 8
W12	7 9	17 10	1 20	1 7	1 50	18 32	0 37	23 18	0 6	3 18	1 33	9 50	1 59	5 1	0 49	9 7
T 13	7 31	14 27	0 9	0 36	1 53	18 54	0 40	23 20	0 4	3 20	1 33	9 51	1 59	5 2	0 48	9 6
F 14	7 54	10 49	1n 6	0 3	1 56	19 16	0 43	23 22	0 2	3 23	1 32	9 52	1 59	5 2	0 48	9 6
S 15	8 16	6 26	2 18	0s33	1 57	19 37	0 46	23 24	0 0	3 25	1 32	9 53	1 59	5 3	0 48	9 5
S 16	8 38	1 32	3 23	1 10	1 58	19 57	0 50	23 26	0n 2	3 27	1 32	9 54	1 59	5 4	0 48	9 4
M17	9 0	3s32	4 15	1 48	1 58	20 17	0 53	23 27	0 4	3 30	1 32	9 55	1 59	5 4	0 48	9 4
T 18	9 22	8 26	4 50	2 28	1 57	20 37	0 56	23 29	0 6	3 32	1 32	9 56	1 59	5 5	0 48	9 3
W19	9 44	12 46	5 3	3 9	1 55	20 56	0 59	23 31	0 8	3 34	1 32	9 56	1 58	5 6	0 48	9 3
T 20	10 5	16 12	4 55	3 50	1 53	21 14	1 2	23 33	0 11	3 36	1 32	9 57	1 58	5 7	0 48	9 2
F 21	10 27	18 31	4 28	4 32	1 50	21 32	1 5	23 35	0 13	3 38	1 31	9 58	1 58	5 7	0 48	9 1
S 22	10 48	19 36	3 45	5 14	1 47	21 49	1 8	23 37	0 15	3 40	1 31	9 59	1 58	5 8	0 48	9 1
S 23	11 9	19 28	2 50	5 57	1 43	22 6	1 10	23 39	0 17	3 42	1 31	9 59	1 58	5 8	0 48	9 0
M24	11 30	18 14	1 48	6 40	1 38	22 22	1 13	23 41	0 20	3 44	1 31	10 0	1 58	5 9	0 48	9 0
T 25	11 51	16 6	0 42	7 22	1 34	22 38	1 16	23 43	0 22	3 46	1 31	10 1	1 58	5 10	0 48	8 59
W26	12 12	13 14	0s25	8 5	1 29	22 53	1 19	23 45	0 24	3 47	1 31	10 1	1 58	5 10	0 48	8 59
T 27	12 32	9 50	1 29	8 47	1 23	23 7	1 22	23 47	0 27	3 49	1 30	10 2	1 58	5 11	0 48	8 58
F 28	12 52	6 4	2 28	9 29	1 18	23 21	1 25	23 49	0 29	3 51	1 30	10 2	1 58	5 11	0 48	8 58
S 29	13 12	2 7	3 19	10 10	1 12	23 34	1 28	23 51	0 32	3 52	1 30	10 3	1 57	5 12	0 48	8 57
S 30	13 32	1n54	4 2	10 51	1 6	23 46	1 30	23 53	0 34	3 53	1 30	10 3	1 57	5 12	0 48	8 57
M31	13s52	5n50	4s33	11s32	1n 0	23s58	1s33	23n55	0n37	3s55	1s30	10s 4	1s57	5s13	0s48	8n56

Julian Day Number = 2546415.5, Delta T = 233.76 sec
Ecliptic obliquity = 23°24'13, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°22'14, Lahiri = 27°29'15

ASTRODIENST EPHEMERIS for the year 2259
geocentric

NOVEMBER 2259

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 39 30	8♍ 6'00	8♋ 1	4♍36	15♌ 2	5♉ 7	23°R32	8°R48	18°R38	8♍38	8♌52	20°R32	19♌40	5♋35	2°R 4	T 1
W 2	2 43 26	9° 5'51	19°54	6°16	16°14	5°13	23♋28	8♋47	18♋37	8°39	8°53	20♌17	19°37	5°42	2♋ 3	W 2
T 3	2 47 23	10° 5'44	1♉50	7°55	17°26	5°19	23°25	8°46	18°36	8°40	8°55	20° 3	19°33	5°49	2° 2	T 3
F 4	2 51 19	11° 5'40	13°49	9°35	18°38	5°24	23°22	8°45	18°35	8°41	8°56	19°51	19°30	5°55	2° 2	F 4
S 5	2 55 16	12° 5'37	25°55	11°13	19°50	5°28	23°19	8°44	18°34	8°43	8°57	19°41	19°27	6° 2	2° 1	S 5
S 6	2 59 12	13° 5'36	8♉ 8	12°51	21° 3	5°32	23°17	8°43	18°33	8°44	8°59	19°34	19°24	6° 9	2° 1	S 6
M 7	3 3 9	14° 5'38	20°32	14°29	22°15	5°34	23°14	8°43	18°31	8°45	9° 0	19°30	19°21	6°16	2° 1	M 7
T 8	3 7 6	15° 5'41	3♌12	16° 7	23°27	5°36	23°12	8°42	18°30	8°46	9° 2	19°29	19°18	6°22	2° 0	T 8
W 9	3 11 2	16° 5'47	16°10	17°43	24°39	5°37	23°10	8°42	18°30	8°47	9° 3	19°28	19°14	6°29	2° 0	W 9
T 10	3 14 59	17° 5'54	29°32	19°20	25°51	5°R37	23° 8	8°42	18°29	8°48	9° 4	19°28	19°11	6°36	2° 0	T 10
F 11	3 18 55	18° 6'04	13♍19	20°56	27° 2	5°36	23° 6	8°41	18°28	8°49	9° 6	19°27	19° 8	6°42	2° 0	F 11
S 12	3 22 52	19° 6'16	27°35	22°32	28°14	5°35	23° 5	8°41	18°27	8°50	9° 7	19°23	19° 5	6°49	2°D 0	S 12
S 13	3 26 48	20° 6'30	12♌16	24° 7	29°26	5°32	23° 3	8°D41	18°26	8°51	9° 9	19°17	19° 2	6°56	2° 0	S 13
M14	3 30 45	21° 6'46	27°19	25°42	0♌38	5°29	23° 2	8°41	18°25	8°52	9°11	19° 8	18°58	7° 3	2° 0	M14
T 15	3 34 41	22° 7'03	12♍35	27°16	1°50	5°24	23° 2	8°41	18°25	8°53	9°12	18°57	18°55	7° 9	2° 0	T 15
W16	3 38 38	23° 7'23	27°54	28°51	3° 1	5°19	23° 1	8°42	18°24	8°54	9°14	18°46	18°52	7°16	2° 0	W16
T 17	3 42 35	24° 7'44	13♌ 2	0♌25	4°13	5°13	23° 0	8°42	18°23	8°55	9°15	18°35	18°49	7°23	2° 1	T 17
F 18	3 46 31	25° 8'07	27°51	1°58	5°25	5° 6	23° 0	8°43	18°23	8°56	9°17	18°25	18°46	7°29	2° 1	F 18
S 19	3 50 28	26° 8'31	12♌14	3°32	6°36	4°58	23°D 0	8°43	18°22	8°57	9°19	18°19	18°43	7°36	2° 1	S 19
S 20	3 54 24	27° 8'57	26° 7	5° 5	7°48	4°49	23° 0	8°44	18°22	8°57	9°20	18°15	18°39	7°43	2° 2	S 20
M21	3 58 21	28° 9'24	9♌30	6°38	8°59	4°40	23° 1	8°45	18°22	8°58	9°22	18°13	18°36	7°50	2° 2	M21
T 22	4 2 17	29° 9'52	22°26	8°10	10°10	4°29	23° 1	8°46	18°21	8°59	9°24	18°13	18°33	7°56	2° 3	T 22
W23	4 6 14	0♌10'22	4♋59	9°42	11°22	4°18	23° 2	8°47	18°21	8°59	9°25	18°13	18°30	8° 3	2° 4	W23
T 24	4 10 10	1°10'52	17°15	11°14	12°33	4° 6	23° 3	8°48	18°21	9° 0	9°27	18°12	18°27	8°10	2° 5	T 24
F 25	4 14 7	2°11'24	29°18	12°46	13°44	3°53	23° 5	8°49	18°21	9° 1	9°29	18° 9	18°24	8°17	2° 5	F 25
S 26	4 18 4	3°11'58	11♍13	14°18	14°55	3°39	23° 6	8°50	18°20	9° 1	9°31	18° 3	18°20	8°23	2° 6	S 26
S 27	4 22 0	4°12'32	23° 5	15°49	16° 6	3°24	23° 8	8°52	18°20	9° 2	9°33	17°55	18°17	8°30	2° 7	S 27
M28	4 25 57	5°13'08	4♋56	17°20	17°17	3° 9	23° 9	8°53	18°D20	9° 2	9°34	17°43	18°14	8°37	2° 8	M28
T 29	4 29 53	6°13'45	16°49	18°51	18°28	2°53	23°11	8°55	18°20	9° 3	9°36	17°30	18°11	8°43	2° 9	T 29
W30	4 33 50	7♌14'23	28♋46	20♌22	19♌38	2♉36	23♋14	8♋57	18♋20	9♍ 3	9♌38	17♌17	18♌ 8	8♋50	2♋10	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	14s11	9n32	4s53	12s12	0n54	24s 9	1s36	23n57	0n39	3s56	1s29	10s 4	1s57	5s13	0s48	8n56	0n39	19s 6	4n 1	14n38	14n54	8n39	5s12	5n55			
W 2	14 30	12 52	5 0	12 51	0 47	24 19	1 38	24 0	0 42	3 57	1 29	10 4	1 57	5 14	0 48	8 55	0 39	19 6	4 1	14 42	14 55	8 41	5 12	5 54			
T 3	14 49	15 42	4 54	13 29	0 41	24 29	1 41	24 2	0 44	3 58	1 29	10 4	1 57	5 14	0 48	8 55	0 39	19 6	4 1	14 46	14 56	8 43	5 13	5 54			
F 4	15 8	17 53	4 34	14 7	0 34	24 38	1 43	24 5	0 47	3 59	1 29	10 5	1 57	5 15	0 48	8 54	0 39	19 6	4 1	14 50	14 57	8 45	5 14	5 54			
S 5	15 27	19 18	4 3	14 45	0 27	24 46	1 46	24 7	0 50	4 0	1 29	10 5	1 57	5 15	0 48	8 54	0 39	19 6	4 1	14 53	14 58	8 47	5 14	5 53			
S 6	15 45	19 50	3 20	15 21	0 21	24 54	1 48	24 10	0 53	4 1	1 28	10 5	1 56	5 16	0 48	8 54	0 39	19 6	4 0	14 56	14 59	8 49	5 15	5 53			
M 7	16 3	19 25	2 26	15 57	0 14	25 1	1 50	24 13	0 55	4 2	1 28	10 5	1 56	5 16	0 48	8 53	0 39	19 6	4 0	14 57	15 0	8 51	5 15	5 52			
T 8	16 20	18 2	1 25	16 31	0 7	25 7	1 53	24 15	0 58	4 3	1 28	10 5	1 56	5 16	0 48	8 53	0 39	19 6	4 0	14 57	15 1	8 53	5 16	5 52			
W 9	16 38	15 41	0 17	17 5	0 0	25 13	1 55	24 18	1 1	4 3	1 28	10 5	1 56	5 17	0 48	8 52	0 39	19 6	4 0	14 58	15 2	8 55	5 16	5 51			
T 10	16 55	12 27	0n53	17 38	0s 7	25 17	1 57	24 21	1 4	4 4	1 27	10 5	1 56	5 17	0 48	8 52	0 39	19 7	4 0	14 58	15 3	8 57	5 17	5 51			
F 11	17 12	8 26	2 2	18 11	0 13	25 21	1 59	24 24	1 7	4 4	1 27	10 5	1 56	5 17	0 48	8 52	0 39	19 7	3 59	14 58	15 4	8 59	5 17	5 51			
S 12	17 28	3 49	3 7	18 42	0 20	25 25	2 1	24 27	1 10	4 4	1 27	10 5	1 56	5 18	0 48	8 51	0 40	19 7	3 59	14 59	15 5	9 1	5 17	5 50			
S 13	17 45	1s 9	4 0	19 12	0 27	25 27	2 3	24 30	1 13	4 5	1 27	10 5	1 55	5 18	0 48	8 51	0 40	19 7	3 59	15 1	15 6	9 3	5 18	5 50			
M14	18 1	6 10	4 39	19 41	0 33	25 29	2 5	24 33	1 16	4 5	1 26	10 5	1 55	5 18	0 47	8 51	0 40	19 7	3 59	15 4	15 7	9 5	5 18	5 49			
T 15	18 16	10 51	4 58	20 10	0 40	25 30	2 7	24 36	1 19	4 5	1 26	10 5	1 55	5 18	0 47	8 50	0 40	19 7	3 59	15 7	15 8	9 7	5 19	5 49			
W16	18 32	14 51	4 56	20 37	0 46	25 31	2 9	24 39	1 22	4 5	1 26	10 4	1 55	5 18	0 47	8 50	0 40	19 7	3 58	15 11	15 9	9 9	5 19	5 48			
T 17	18 47	17 48	4 34	21 4	0 52	25 30	2 10	24 43	1 25	4 5	1 26	10 4	1 55	5 19	0 47	8 50	0 40	19 7	3 58	15 14	15 10	9 11	5 19	5 48			
F 18	19 1	19 31	3 53	21 29	0 59	25 29	2 12	24 46	1 28	4 5	1 25	10 4	1 55	5 19	0 47	8 49	0 40	19 7	3 58	15 17	15 11	9 13	5 19	5 48			
S 19	19 16	19 53	2 58	21 53	1 5	25 28	2 13	24 49	1 31	4 5	1 25	10 3	1 55	5 19	0 47	8 49	0 40	19 7	3 58	15 19	15 12	9 15	5 20	5 47			
S 20	19 30	19 2	1 54	22 16	1 11	25 25	2 15	24 53	1 34	4 4	1 25	10 3	1 54	5 19	0 47	8 49	0 40	19 7	3 58	15 20	15 13	9 17	5 20	5 47			
M21	19 43	17 7	0 46	22 38	1 16	25 22	2 16	24 56	1 37	4 4	1 25	10 3	1 54	5 19	0 47	8 49	0 40	19 7	3 58	15 21	15 14	9 19	5 20	5 46			
T 22	19 56	14 22	0s22	22 59	1 22	25 18	2 17	25 0	1 40	4 4	1 24	10 2	1 54	5 19	0 47	8 48	0 40	19 7	3 57	15 21	15 15	9 21	5 20	5 46			
W23	20 9	11 2	1 28	23 19	1 28	25 13	2 19	25 3	1 43	4 3	1 24	10 2	1 54	5 19	0 47	8 48	0 40	19 8	3 57	15 21	15 16	9 23	5 20	5 45			
T 24	20 22	7 17	2 27	23 37	1 33	25 8	2 20	25 6	1 46	4 2	1 24	10 1	1 54	5 19	0 47	8 48	0 40	19 8	3 57	15 21	15 17	9 25	5 21	5 45			
F 25	20 34	3 20	3 19	23 55	1 38	25 2	2 21	25 10	1 49	4 2	1 24	10 0	1 54	5 19	0 47	8 48	0 40	19 8	3 57	15 22	15 18	9 27	5 21	5 45			
S 26	20 46	0n43	4 2	24 11	1 43	24 55	2 22	25 13	1 52	4 1	1 23	10 0	1 54	5 20	0 47	8 48	0 40	19 8	3 57	15 24	15 19	9 28	5 21	5 44			
S 27	20 57	4 43	4 34	24 26	1 48	24 47	2 22	25 17	1 55	4 0	1 23	9 59	1 53	5 20	0 47	8 47	0 40	19 8	3 57	15 26	15 20	9 30	5 21	5 44			
M28	21 8	8 32	4 54	24 40	1 52	24 39	2 23	25 20	1 58	3 59	1 23	9 58	1 53	5 19	0 47	8 47	0 40	19 8	3 56	15 30	15 21	9 32	5 21	5 43			
T 29	21 19	12 1	5 1	24 52	1 56	24 30	2 24	25 24	2 1	3 58	1 23	9 58	1 53	5 19	0 47	8 47	0 40	19 8	3 56	15 34	15 21	9 34	5 21	5 43			
W30	21s29	15n 3	4s55	25s 3	2s 0	24s21	2s24	25n27	2n 4	3s57	1s22	9s57	1s53	5s19	0s47	8n47	0n40	19s 8	3n56	15n38	15n22	9n36	5s21	5n42			

ASTRODIENST EPHEMERIS for the year 2259
geocentric

DECEMBER 2259

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	4 37 46	8♌15°03	10♊49	21♈52	20♋49	2°R19	23♎16	8♏59	18♏21	9♐3	9♋40	17°R 3	18♎4	8♏57	2♏12	T 1
F 2	4 41 43	9°15'44	22°58	23°22	22° 0	2♋0	23°19	9° 1	18°21	9° 4	9°42	16♎51	18° 1	9° 4	2°13	F 2
S 3	4 45 39	10°16'27	5♋14	24°52	23°10	1°42	23°22	9° 3	18°21	9° 4	9°44	16°42	17°58	9°10	2°14	S 3
S 4	4 49 36	11°17'10	17°38	26°22	24°20	1°22	23°25	9° 5	18°21	9° 4	9°46	16°35	17°55	9°17	2°16	S 4
M 5	4 53 33	12°17'56	0♎12	27°51	25°31	1° 2	23°28	9° 7	18°22	9° 5	9°48	16°32	17°52	9°24	2°17	M 5
T 6	4 57 29	13°18'42	12°59	29°19	26°41	0°42	23°31	9°10	18°22	9° 5	9°50	16°D30	17°49	9°30	2°18	T 6
W 7	5 1 26	14°19'30	26° 1	0♋47	27°51	0°21	23°35	9°12	18°22	9° 5	9°52	16°31	17°45	9°37	2°20	W 7
T 8	5 5 22	15°20'20	9♐20	2°15	29° 1	29♊59	23°39	9°15	18°23	9° 5	9°54	16°R31	17°42	9°44	2°22	T 8
F 9	5 9 19	16°21'11	23° 0	3°41	0♏11	29°37	23°43	9°17	18°23	9° 5	9°56	16°31	17°39	9°51	2°23	F 9
S 10	5 13 15	17°22'03	7♎2	5° 7	1°20	29°15	23°47	9°20	18°24	9° 5	9°58	16°29	17°36	9°57	2°25	S 10
S 11	5 17 12	18°22'57	21°26	6°32	2°30	28°52	23°51	9°23	18°25	9° 5	10° 0	16°25	17°33	10° 4	2°27	S 11
M12	5 21 8	19°23'52	6♎8	7°56	3°39	28°29	23°56	9°26	18°25	9°R 6	10° 2	16°19	17°30	10°11	2°29	M12
T 13	5 25 5	20°24'48	21° 4	9°18	4°49	28° 6	24° 1	9°29	18°26	9° 5	10° 4	16°11	17°26	10°18	2°31	T 13
W14	5 29 2	21°25'45	6♌6	10°39	5°58	27°43	24° 6	9°32	18°27	9° 5	10° 6	16° 2	17°23	10°24	2°33	W14
T 15	5 32 58	22°26'44	21° 3	11°59	7° 7	27°20	24°11	9°35	18°28	9° 5	10° 8	15°53	17°20	10°31	2°35	T 15
F 16	5 36 55	23°27'43	5♋47	13°16	8°16	26°56	24°16	9°38	18°29	9° 5	10°10	15°46	17°17	10°38	2°37	F 16
S 17	5 40 51	24°28'43	20° 9	14°30	9°25	26°33	24°22	9°42	18°30	9° 5	10°12	15°41	17°14	10°44	2°39	S 17
S 18	5 44 48	25°29'44	4♏6	15°42	10°34	26° 9	24°27	9°45	18°31	9° 5	10°14	15°38	17°10	10°51	2°41	S 18
M19	5 48 44	26°30'46	17°35	16°51	11°42	25°46	24°33	9°49	18°32	9° 5	10°16	15°D37	17° 7	10°58	2°43	M19
T 20	5 52 41	27°31'47	0♏37	17°56	12°51	25°23	24°39	9°53	18°33	9° 4	10°18	15°38	17° 4	11° 5	2°46	T 20
W21	5 56 37	28°32'50	13°16	18°56	13°59	25° 0	24°45	9°56	18°34	9° 4	10°20	15°40	17° 1	11°11	2°48	W21
T 22	6 0 34	29°33'52	25°36	19°52	15° 7	24°37	24°52	10° 0	18°35	9° 4	10°23	15°R40	16°58	11°18	2°50	T 22
F 23	6 4 31	0♋34'56	7°R41	20°41	16°15	24°15	24°58	10° 4	18°36	9° 3	10°25	15°40	16°55	11°25	2°53	F 23
S 24	6 8 27	1°35'59	19°37	21°25	17°23	23°52	25° 5	10° 8	18°37	9° 3	10°27	15°38	16°51	11°31	2°55	S 24
S 25	6 12 24	2°37'03	1♋29	22° 0	18°30	23°31	25°12	10°12	18°39	9° 3	10°29	15°34	16°48	11°38	2°58	S 25
M26	6 16 20	3°38'07	13°21	22°28	19°37	23° 9	25°19	10°17	18°40	9° 2	10°31	15°28	16°45	11°45	3° 1	M26
T 27	6 20 17	4°39'11	25°16	22°46	20°44	22°49	25°26	10°21	18°42	9° 2	10°33	15°21	16°42	11°52	3° 3	T 27
W28	6 24 13	5°40'16	7♊18	22°R55	21°51	22°28	25°33	10°25	18°43	9° 1	10°35	15°14	16°39	11°58	3° 6	W28
T 29	6 28 10	6°41'21	19°28	22°52	22°58	22° 8	25°41	10°30	18°45	9° 0	10°37	15° 6	16°36	12° 5	3° 9	T 29
F 30	6 32 6	7°42'26	1♋48	22°38	24° 4	21°49	25°49	10°34	18°46	9° 0	10°40	14°59	16°32	12°12	3°11	F 30
S 31	6 36 3	8♋43'32	14♋20	22♋12	25♏11	21♊31	25♏57	10♏39	18♏48	8♐59	10♋42	14♎54	16♎29	12♏19	3♏14	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
T 1	21s39	17n29	4s36	25s13	2s 4	24s11	2s25	25n30	2n 7	3s56	1s22	9s56	1s53	5s19	0s47	8n47	0n40	19s 8	3n56	15n42	15n23	9n38	5s21	5n42	
F 2	21 48	19 9	4 4	25 22	2 8	24 0	2 25	25 34	2 10	3 54	1 22	9 55	1 53	5 19	0 47	8 47	0 40	19 8	3 56	15 46	15 24	9 40	5 21	5 42	
S 3	21 57	19 57	3 21	25 29	2 11	23 48	2 25	25 37	2 13	3 53	1 22	9 54	1 53	5 19	0 47	8 47	0 40	19 8	3 56	15 48	15 25	9 42	5 21	5 41	
S 4	22 6	19 49	2 27	25 35	2 13	23 36	2 25	25 40	2 16	3 52	1 21	9 53	1 52	5 19	0 47	8 47	0 40	19 8	3 55	15 50	15 26	9 44	5 21	5 41	
M 5	22 14	18 41	1 26	25 39	2 16	23 23	2 25	25 43	2 19	3 50	1 21	9 52	1 52	5 19	0 47	8 47	0 40	19 8	3 55	15 52	15 27	9 46	5 21	5 40	
T 6	22 22	16 35	0 19	25 42	2 18	23 10	2 25	25 46	2 22	3 48	1 21	9 51	1 52	5 19	0 47	8 47	0 40	19 8	3 55	15 52	15 28	9 48	5 20	5 40	
W 7	22 29	13 37	0n51	25 44	2 20	22 56	2 25	25 49	2 25	3 47	1 21	9 50	1 52	5 18	0 47	8 46	0 40	19 8	3 55	15 52	15 29	9 50	5 20	5 40	
T 8	22 36	9 53	1 59	25 44	2 21	22 41	2 24	25 52	2 28	3 45	1 20	9 49	1 52	5 18	0 47	8 46	0 40	19 8	3 55	15 52	15 30	9 52	5 20	5 39	
F 9	22 42	5 34	3 2	25 43	2 22	22 26	2 24	25 54	2 30	3 43	1 20	9 48	1 52	5 18	0 46	8 46	0 40	19 8	3 55	15 52	15 31	9 54	5 20	5 39	
S 10	22 48	0 50	3 56	25 40	2 22	22 10	2 23	25 57	2 33	3 41	1 20	9 47	1 52	5 18	0 46	8 46	0 40	19 8	3 54	15 52	15 32	9 56	5 20	5 38	
S 11	22 54	4s 4	4 37	25 36	2 22	21 53	2 23	25 59	2 35	3 39	1 20	9 46	1 51	5 17	0 46	8 46	0 40	19 8	3 54	15 53	15 33	9 58	5 19	5 38	
M12	22 59	8 49	5 0	25 31	2 21	21 36	2 22	26 2	2 38	3 37	1 19	9 45	1 51	5 17	0 46	8 47	0 41	19 8	3 54	15 55	15 34	10 0	5 19	5 38	
T 13	23 3	13 6	5 4	25 24	2 20	21 19	2 21	26 4	2 40	3 35	1 19	9 43	1 51	5 17	0 46	8 47	0 41	19 8	3 54	15 58	15 35	10 2	5 19	5 37	
W14	23 8	16 35	4 47	25 16	2 18	21 1	2 20	26 6	2 43	3 33	1 19	9 42	1 51	5 16	0 46	8 47	0 41	19 8	3 54	16 0	15 36	10 4	5 19	5 37	
T 15	23 11	18 57	4 10	25 6	2 15	20 42	2 19	26 7	2 45	3 31	1 19	9 41	1 51	5 16	0 46	8 47	0 41	19 8	3 54	16 3	15 37	10 6	5 18	5 36	
F 16	23 15	20 0	3 17	24 56	2 12	20 23	2 17	26 9	2 47	3 28	1 18	9 39	1 51	5 16	0 46	8 47	0 41	19 8	3 54	16 5	15 38	10 8	5 18	5 36	
S 17	23 17	19 42	2 13	24 44	2 8	20 3	2 16	26 11	2 49	3 26	1 18	9 38	1 51	5 15	0 46	8 47	0 41	19 8	3 54	16 7	15 39	10 10	5 17	5 36	
S 18	23 20	18 12	1 2	24 31	2 3	19 43	2 14	26 12	2 51	3 24	1 18	9 36	1 51	5 15	0 46	8 47	0 41	19 8	3 53	16 8	15 40	10 12	5 17	5 35	
M19	23 21	15 43	0s11	24 16	1 57	19 22	2 13	26 13	2 53	3 21	1 18	9 35	1 50	5 14	0 46	8 47	0 41	19 8	3 53	16 8	15 41	10 14	5 17	5 35	
T 20	23 23	12 29	1 20	24 1	1 50	19 1	2 11	26 14	2 55	3 18	1 18	9 33	1 50	5 14	0 46	8 47	0 41	19 8	3 53	16 7	15 42	10 16	5 16	5 34	
W21	23 24	8 47	2 24	23 45	1 42	18 40	2 9	26 15	2 57	3 16	1 17	9 32	1 50	5 13	0 46	8 47	0 41	19 8	3 53	16 7	15 43	10 17	5 16	5 34	
T 22	23 24	4 47	3 19	23 28	1 33	18 18	2 7	26 16	2 58	3 13	1 17	9 30	1 50	5 13	0 46	8 47	0 41	19 8	3 53	16 7	15 44	10 19	5 15	5 34	
F 23	23 24	0 42	4 4	23 11	1 23	17 55	2 5	26 16	3 0	3 10	1 17	9 29	1 50	5 12	0 46	8 48	0 41	19 8	3 53	16 7	15 45	10 21	5 15	5 33	
S 24	23 24	3n22	4 38	22 53	1 12	17 33	2 2	26 17	3 1	3 7	1 17	9 27	1 50	5 12	0 46	8 48	0 41	19 8	3 53	16 7	15 46	10 23	5 14	5 33	
S 25	23 23	7 17	5 0	22 35	1 0	17 9	2 0	26 17	3 3	3 4	1 16	9 25	1 50	5 11	0 46	8 48	0 41	19 8	3 53	16 9	15 47	10 25	5 13	5 33	
M26	23 21	10 54	5 9	22 17	0 46	16 46	1 57	26 17	3 4	3 1	1 16	9 24	1 50	5 11	0 46	8 48	0 41	19 8	3 52	16 10	15 48	10 27	5 13	5 32	
T 27	23 19	14 7	5 4	22 0	0 31	16 22	1 54	26 18	3 5	2 58	1 16	9 22	1 49	5 10	0 46	8 48	0 41	19 7	3 52	16 12	15 48	10 29	5 12	5 32	
W28	23 17	16 47	4 47	21 42	0 15	15 57	1 51	26 18	3 6	2 55	1 16	9 20	1 49	5 9	0 46	8 49	0 41	19 7	3 52	16 15	15 49	10 31	5 12	5 32	
T 29	23 14	18 44	4 16	21 26	0n 2	15 33	1 48	26 17	3 7	2 52	1 15	9 18	1 49	5 9	0 46	8 49	0 41	19 7	3 52	16 17	15 50	10 33	5 11	5 31	
F 30	23 11	19 51	3 32	21 10	0 20	15 8	1 45	26 17	3 8	2 49	1 15	9 17	1 49	5 8	0 46	8 49	0 41	19 7	3 52	16 19	15 51	10 35	5 10	5 31	
S 31	23s 7	20n 1	2s38	20s56	0n39	14s43	1s42	26n17	3n 9	2s46	1s15	9s15	1s49	5s 8	0s46	8n49	0n41	19s 7	3n52	16n20	15n52	10n37	5s10	5n31	