



Astrodienst Ephemeris Tables for the year 2167

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 2167
geocentric

JANUARY 2167

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	6 42 3	10 ³ 19'53	7 ⁸ 30	29 ³ 31	7 [≈] 52	5 ³ 14	1°R46	20 ³ 59	13 [≈] 11	10 [≈] 4	9°R 2	13°R49	15 ^Ω 6	8 [♈] 24	23 [♈] 21	T 1
F 2	6 45 59	11°21'01	22° 2	0 [≈] 42	9° 6	5°59	1 ^{II} 42	21° 6	13°15	10° 6	9 [♈] 1	13 ^Ω 45	15° 3	8°31	23°23	F 2
S 3	6 49 56	12°22'09	6 ^{II} 38	1°50	10°21	6°44	1°37	21°13	13°18	10° 9	9° 0	13°40	15° 0	8°38	23°25	S 3
S 4	6 53 53	13°23'16	21°13	2°53	11°35	7°29	1°33	21°20	13°21	10°11	8°59	13°36	14°57	8°45	23°26	S 4
M 5	6 57 49	14°24'24	5 [♈] 41	3°50	12°50	8°15	1°29	21°27	13°24	10°13	8°57	13°31	14°54	8°51	23°28	M 5
T 6	7 1 46	15°25'31	19°54	4°41	14° 4	9° 0	1°25	21°35	13°27	10°15	8°56	13°28	14°50	8°58	23°30	T 6
W 7	7 5 42	16°26'39	3 ^Ω 48	5°24	15°18	9°45	1°21	21°42	13°30	10°17	8°55	13°26	14°47	9° 5	23°32	W 7
T 8	7 9 39	17°27'47	17°20	5°59	16°33	10°31	1°17	21°49	13°33	10°19	8°54	13°D26	14°44	9°12	23°34	T 8
F 9	7 13 35	18°28'54	0 [♈] 29	6°25	17°47	11°16	1°14	21°56	13°37	10°21	8°53	13°27	14°41	9°18	23°36	F 9
S 10	7 17 32	19°30'02	13°15	6°40	19° 1	12° 2	1°11	22° 3	13°40	10°23	8°51	13°29	14°38	9°25	23°38	S 10
S 11	7 21 28	20°31'10	25°42	6°R45	20°15	12°47	1° 8	22°10	13°43	10°26	8°50	13°30	14°35	9°32	23°40	S 11
M12	7 25 25	21°32'17	7 [♈] 53	6°39	21°29	13°33	1° 5	22°17	13°47	10°28	8°49	13°32	14°31	9°38	23°42	M12
T 13	7 29 22	22°33'25	19°53	6°21	22°44	14°19	1° 2	22°24	13°50	10°30	8°48	13°R32	14°28	9°45	23°44	T 13
W14	7 33 18	23°34'33	1 [♈] 47	5°51	23°58	15° 4	1° 0	22°31	13°53	10°32	8°47	13°32	14°25	9°52	23°46	W14
T 15	7 37 15	24°35'41	13°39	5°10	25°12	15°50	0°58	22°38	13°57	10°34	8°45	13°31	14°22	9°59	23°48	T 15
F 16	7 41 11	25°36'49	25°34	4°17	26°26	16°36	0°56	22°46	14° 0	10°36	8°44	13°29	14°19	10° 5	23°51	F 16
S 17	7 45 8	26°37'57	7 [♈] 36	3°16	27°40	17°21	0°54	22°53	14° 3	10°39	8°43	13°27	14°15	10°12	23°53	S 17
S 18	7 49 4	27°39'04	19°49	2° 7	28°54	18° 7	0°52	23° 0	14° 7	10°41	8°42	13°24	14°12	10°19	23°55	S 18
M19	7 53 1	28°40'12	2 ³ 14	0°52	0 [♈] 8	18°53	0°51	23° 7	14°10	10°43	8°41	13°22	14° 9	10°26	23°58	M19
T 20	7 56 57	29°41'19	14°55	29 ³ 35	1°22	19°39	0°50	23°14	14°13	10°45	8°40	13°20	14° 6	10°32	24° 0	T 20
W21	8 0 54	0 [≈] 42'25	27°51	28°16	2°36	20°25	0°49	23°21	14°17	10°48	8°39	13°18	14° 3	10°39	24° 3	W21
T 22	8 4 51	1°43'31	11 [≈] 2	26°59	3°49	21°11	0°48	23°28	14°20	10°50	8°37	13°D18	14° 0	10°46	24° 5	T 22
F 23	8 8 47	2°44'37	24°28	25°46	5° 3	21°57	0°48	23°35	14°24	10°52	8°36	13°18	13°56	10°52	24° 8	F 23
S 24	8 12 44	3°45'41	8 [♈] 6	24°39	6°17	22°43	0°47	23°42	14°27	10°54	8°35	13°19	13°53	10°59	24°10	S 24
S 25	8 16 40	4°46'45	21°55	23°39	7°31	23°29	0°D47	23°49	14°31	10°57	8°34	13°20	13°50	11° 6	24°13	S 25
M26	8 20 37	5°47'48	5 ^Y 53	22°47	8°44	24°15	0°47	23°56	14°34	10°59	8°33	13°20	13°47	11°13	24°16	M26
T 27	8 24 33	6°48'50	19°57	22° 4	9°58	25° 1	0°47	24° 3	14°38	11° 1	8°32	13°21	13°44	11°19	24°18	T 27
W28	8 28 30	7°49'50	4 [♈] 6	21°30	11°11	25°48	0°48	24°10	14°41	11° 4	8°31	13°R21	13°41	11°26	24°21	W28
T 29	8 32 26	8°50'50	18°18	21° 5	12°25	26°34	0°49	24°17	14°45	11° 6	8°30	13°21	13°37	11°33	24°24	T 29
F 30	8 36 23	9°51'48	2 ^{II} 30	20°49	13°38	27°20	0°49	24°24	14°48	11° 8	8°29	13°21	13°34	11°39	24°27	F 30
S 31	8 40 20	10 [≈] 52'46	16 ^{II} 40	20°D42	14 [♈] 52	28 ³ 6	0 ^{II} 51	24 ³ 31	14 [≈] 52	11 [≈] 10	8 [♈] 28	13 ^Ω 21	13 ^Ω 31	11 [♈] 46	24 [♈] 30	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	23s 1	9n 7	5s10	21s46	1s34	19s57	1s43	24s 2	0s44	19n40	0s51	21s40	0n 7	17s28	0s39	17s38	0n 5	18n55	4s13	16n40	16n17	9s27	0n57	3n55	
F 2	22 56	13 17	5 9	21 22	1 26	19 37	1 43	24 1	0 44	19 39	0 51	21 39	0 7	17 27	0 39	17 37	0 5	18 55	4 12	16 41	16 18	9 29	0 58	3 54	
S 3	22 50	16 40	4 47	20 58	1 16	19 18	1 44	23 59	0 45	19 38	0 51	21 38	0 7	17 26	0 39	17 37	0 5	18 55	4 12	16 42	16 19	9 31	0 58	3 54	
S 4	22 45	19 1	4 8	20 33	1 5	18 57	1 44	23 57	0 45	19 38	0 50	21 37	0 7	17 25	0 39	17 36	0 5	18 55	4 12	16 44	16 20	9 33	0 59	3 54	
M 5	22 38	20 6	3 12	20 9	0 54	18 36	1 44	23 55	0 46	19 37	0 50	21 36	0 7	17 24	0 39	17 36	0 5	18 55	4 12	16 45	16 21	9 35	0 59	3 54	
T 6	22 31	19 52	2 5	19 44	0 41	18 15	1 44	23 53	0 46	19 37	0 50	21 35	0 7	17 23	0 39	17 35	0 5	18 55	4 12	16 46	16 22	9 37	1 0	3 53	
W 7	22 24	18 26	0 53	19 20	0 27	17 53	1 44	23 50	0 46	19 36	0 50	21 33	0 7	17 22	0 39	17 34	0 5	18 55	4 12	16 46	16 23	9 39	1 0	3 53	
T 8	22 17	15 58	0n21	18 57	0 12	17 31	1 44	23 47	0 47	19 36	0 49	21 32	0 7	17 21	0 39	17 34	0 5	18 56	4 12	16 46	16 24	9 41	1 1	3 53	
F 9	22 9	12 44	1 32	18 35	0n 4	17 8	1 44	23 44	0 47	19 35	0 49	21 31	0 7	17 20	0 39	17 33	0 5	18 56	4 12	16 46	16 25	9 43	1 1	3 52	
S 10	22 0	8 59	2 37	18 15	0 21	16 45	1 43	23 40	0 48	19 35	0 49	21 30	0 7	17 19	0 39	17 33	0 5	18 56	4 12	16 46	16 26	9 45	1 2	3 52	
S 11	21 51	4 57	3 32	17 56	0 39	16 21	1 43	23 36	0 48	19 34	0 49	21 29	0 6	17 18	0 39	17 32	0 5	18 56	4 12	16 45	16 27	9 47	1 2	3 52	
M12	21 42	0 48	4 16	17 40	0 57	15 57	1 43	23 32	0 49	19 34	0 48	21 28	0 6	17 17	0 39	17 32	0 5	18 56	4 12	16 45	16 28	9 49	1 3	3 52	
T 13	21 32	3s18	4 49	17 26	1 16	15 32	1 42	23 28	0 49	19 34	0 48	21 27	0 6	17 16	0 39	17 31	0 5	18 56	4 12	16 45	16 28	9 51	1 3	3 51	
W14	21 22	7 15	5 9	17 15	1 35	15 7	1 42	23 23	0 50	19 34	0 48	21 26	0 6	17 15	0 39	17 30	0 5	18 56	4 12	16 45	16 29	9 53	1 4	3 51	
T 15	21 11	10 54	5 15	17 7	1 54	14 42	1 41	23 18	0 50	19 33	0 48	21 25	0 6	17 14	0 38	17 30	0 5	18 57	4 12	16 45	16 30	9 55	1 5	3 51	
F 16	21 0	14 8	5 8	17 2	2 12	14 16	1 40	23 13	0 51	19 33	0 47	21 24	0 6	17 14	0 38	17 29	0 5	18 57	4 11	16 46	16 31	9 57	1 5	3 51	
S 17	20 48	16 49	4 48	17 0	2 29	13 50	1 39	23 8	0 51	19 33	0 47	21 23	0 6	17 13	0 38	17 29	0 4	18 57	4 11	16 46	16 32	9 59	1 6	3 51	
S 18	20 37	18 48	4 14	17 0	2 44	13 23	1 38	23 2	0 52	19 33	0 47	21 22	0 6	17 12	0 38	17 28	0 4	18 57	4 11	16 47	16 33	10 1	1 7	3 50	
M19	20 24	19 56	3 28	17 3	2 58	12 56	1 37	22 57	0 52	19 33	0 46	21 20	0 6	17 11	0 38	17 27	0 4	18 57	4 11	16 48	16 34	10 3	1 8	3 50	
T 20	20 12	20 5	2 31	17 8	3 9	12 29	1 36	22 51	0 52	19 33	0 46	21 19	0 6	17 10	0 38	17 27	0 4	18 57	4 11	16 48	16 35	10 5	1 8	3 50	
W21	19 59	19 11	1 25	17 15	3 18	12 1	1 35	22 44	0 53	19 33	0 46	21 18	0 6	17 9	0 38	17 26	0 4	18 58	4 11	16 49	16 36	10 7	1 9	3 50	
T 22	19 45	17 15	0 13	17 24	3 25	11 33	1 34	22 38	0 53	19 33	0 46	21 17	0 6	17 8	0 38	17 26	0 4	18 58	4 11	16 49	16 37	10 9	1 10	3 49	
F 23	19 32	14 19	1s 1	17 33	3 29	11 5	1 33	22 31	0 54	19 33	0 45	21 16	0 6	17 7	0 38	17 25	0 4	18 58	4 11	16 49	16 38	10 11	1 11	3 49	
S 24	19 18	10 35	2 13	17 44	3 30	10 37	1 31	22 24	0 54	19 33	0 45	21 15	0 6	17 6	0 38	17 24	0 4	18 58	4 11	16 48	16 39	10 13	1 11	3 49	
S 25	19 3	6 14	3 18	17 55	3 29	10 8	1 30	22 16	0 54	19 34	0 45	21 14	0 5	17 5	0 38	17 24	0 4	18 58	4 11	16 48	16 39	10 15	1 12	3 49	
M26	18 48	1 31	4 12	18 6	3 26	9 39	1 28	22 9	0 55	19 34	0 45	21 13	0 5	17 4	0 38	17 23	0 4	18 58	4 11	16 48	16 40	10 17	1 13	3 48	
T 27	18 33	3n18	4 51	18 17	3 22	9 10	1 27	22 1	0 55	19 34	0 44	21 11	0 5	17 3	0 38	17 23	0 4	18 59	4 10	16 48	16 41	10 19	1 14	3 48	
W28	18 18	7 58	5 13	18 29	3 15	8 40	1 25	21 53	0 56	19 35	0 44	21 10	0 5	17 2	0 38	17 22	0 4	18 59	4 10	16 48	16 42	10 21	1 15	3 48	
T 29	18 2	12 12	5 16	18 40	3 8	8 11	1 23	21 44	0 56	19 35	0 44	21 9	0 5	17 1	0 38	17 21	0 4	18 59	4 10	16 48	16 43	10 23	1 16	3 48	
F 30	17 46	15 45	5 0	18 51	2 59	7 41	1 21	21 36	0 56	19 35	0 44	21 8	0 5	16 59	0 38	17 21	0 4	18 59	4 10	16 48	16 44	10 25	1 17	3 48	
S 31	17s29	18n21	4s25	19s 1	2n50	7s11	1s19	21s27	0s57	19n36	0s43	21s 7	0n 5	16s58	0s38	17s20	0n 4	18n59	4s10	16n48	16n45	10s27	1n18	3n47	

ASTRODIENST EPHEMERIS for the year 2167

geocentric

MARCH 2167

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 34 40	10 ¹¹ 12'11	11 ⁵ 5	18 ³³ 33	19 ⁴⁸ 48	20 ³⁹ 39	21 ⁴⁶ 46	27 ³⁹ 39	16 ³¹ 31	12 ¹⁴ 14	8°R 6	13 ⁹ 9	11 ⁵⁹ 59	15 ¹ 1	26 ⁶ 6	S 1	
M 2	10 38 36	11°12'28	24°36	20° 1	20°59	21°26	2°52	27°44	16°34	12°17	8 ⁵ 5	13°11	11°56	15° 8	26° 9	M 2	
T 3	10 42 33	12°12'43	7 ⁵⁴ 54	21°31	22°10	22°13	2°59	27°50	16°38	12°19	8° 5	13°R12	11°53	15°15	26°13	T 3	
W 4	10 46 29	13°12'57	21° 1	23° 1	23°20	23° 0	3° 6	27°56	16°41	12°21	8° 4	13°12	11°49	15°21	26°16	W 4	
T 5	10 50 26	14°13'08	3 ⁵⁵ 55	24°32	24°31	23°47	3°13	28° 2	16°44	12°23	8° 4	13°10	11°46	15°28	26°20	T 5	
F 6	10 54 22	15°13'18	16°37	26° 5	25°41	24°34	3°21	28° 7	16°47	12°25	8° 4	13° 7	11°43	15°35	26°24	F 6	
S 7	10 58 19	16°13'26	29° 8	27°38	26°52	25°21	3°28	28°13	16°50	12°27	8° 3	13° 2	11°40	15°42	26°27	S 7	
S 8	11 2 16	17°13'32	11 ²⁷ 27	29°13	28° 2	26° 8	3°35	28°18	16°54	12°29	8° 3	12°56	11°37	15°48	26°31	S 8	
M 9	11 6 12	18°13'36	23°36	0 ⁴⁹ 49	29°12	26°55	3°43	28°24	16°57	12°30	8° 2	12°49	11°33	15°55	26°35	M 9	
T 10	11 10 9	19°13'39	5 ³⁶ 36	2°26	0 ²² 22	27°42	3°51	28°29	17° 0	12°32	8° 2	12°43	11°30	16° 2	26°38	T 10	
W11	11 14 5	20°13'40	17°31	4° 4	1°31	28°29	3°59	28°34	17° 3	12°34	8° 2	12°37	11°27	16° 8	26°42	W11	
T 12	11 18 2	21°13'39	29°23	5°43	2°41	29°16	4° 7	28°39	17° 6	12°36	8° 2	12°33	11°24	16°15	26°46	T 12	
F 13	11 21 58	22°13'37	11 ¹⁶ 16	7°23	3°50	0 ³ 3	4°15	28°45	17° 9	12°38	8° 1	12°31	11°21	16°22	26°49	F 13	
S 14	11 25 55	23°13'33	23°16	9° 4	5° 0	0°50	4°24	28°50	17°12	12°40	8° 1	12°D30	11°18	16°29	26°53	S 14	
S 15	11 29 51	24°13'28	5 ²⁶ 26	10°47	6° 9	1°37	4°32	28°55	17°15	12°42	8° 1	12°30	11°14	16°35	26°57	S 15	
M16	11 33 48	25°13'21	17°52	12°31	7°18	2°24	4°41	29° 0	17°18	12°44	8° 1	12°32	11°11	16°42	27° 0	M16	
T 17	11 37 45	26°13'12	0 ³⁹ 39	14°16	8°27	3°11	4°50	29° 5	17°21	12°45	8° 1	12°33	11° 8	16°49	27° 4	T 17	
W18	11 41 41	27°13'01	13°50	16° 2	9°36	3°58	4°58	29°10	17°24	12°47	8° 1	12°R34	11° 5	16°55	27° 8	W18	
T 19	11 45 38	28°12'49	27°27	17°49	10°44	4°45	5° 7	29°14	17°27	12°49	8° 1	12°33	11° 2	17° 2	27°12	T 19	
F 20	11 49 34	29°12'35	11 ³⁰ 30	19°37	11°53	5°32	5°17	29°19	17°29	12°51	8° 0	12°30	10°58	17° 9	27°15	F 20	
S 21	11 53 31	0 ¹⁹ 19	25°56	21°27	13° 1	6°19	5°26	29°24	17°32	12°52	8° 0	12°24	10°55	17°16	27°19	S 21	
S 22	11 57 27	1°12'01	10 ⁴¹ 41	23°18	14° 9	7° 6	5°35	29°28	17°35	12°54	8°D 0	12°17	10°52	17°22	27°23	S 22	
M23	12 1 24	2°11'41	25°35	25°10	15°17	7°53	5°45	29°33	17°38	12°56	8° 0	12° 9	10°49	17°29	27°26	M23	
T 24	12 5 20	3°11'19	10 ³⁰ 30	27° 3	16°24	8°40	5°54	29°37	17°40	12°57	8° 0	12° 2	10°46	17°36	27°30	T 24	
W25	12 9 17	4°10'54	25°18	28°58	17°32	9°27	6° 4	29°41	17°43	12°59	8° 1	11°55	10°43	17°43	27°34	W25	
T 26	12 13 13	5°10'28	9 ⁵¹ 51	0 ⁵⁴ 54	18°39	10°15	6°14	29°46	17°46	13° 0	8° 1	11°50	10°39	17°49	27°37	T 26	
F 27	12 17 10	6° 9'59	24° 6	2°50	19°46	11° 2	6°24	29°50	17°48	13° 2	8° 1	11°48	10°36	17°56	27°41	F 27	
S 28	12 21 7	7° 9'28	8 ⁰ 0	4°49	20°53	11°49	6°34	29°54	17°51	13° 3	8° 1	11°D47	10°33	18° 3	27°45	S 28	
S 29	12 25 3	8° 8'55	21°34	6°48	22° 0	12°36	6°44	29°58	17°53	13° 5	8° 1	11°48	10°30	18° 9	27°48	S 29	
M30	12 29 0	9° 8'19	4 ⁵⁰ 50	8°48	23° 6	13°22	6°55	0 ² 2	17°56	13° 6	8° 1	11°48	10°27	18°16	27°52	M30	
T 31	12 32 56	10 ⁴¹ 41	17 ⁵⁰ 50	10 ⁴⁹ 49	24 ¹³ 13	14 ⁹ 9	7 ⁵ 5	0 ⁶ 6	17 ⁵⁸ 58	13 ⁸ 8	8 ¹ 1	11°R48	10 ²⁴ 24	18 ²³ 23	27 ⁵⁶ 56	T 31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	7s44	20n11	2s47	16s47	1s37	7n50	0n 6	15s38	1s 6	20n 6	0s37	20s34	0n 3	16s29	0s39	17s 3	0n 4
M 2	7 21	19 32	1 40	16 24	1 42	8 20	0 10	15 23	1 6	20 7	0 36	20 33	0 3	16 28	0 39	17 2	0 4
T 3	6 58	17 48	0 29	16 0	1 46	8 50	0 14	15 8	1 6	20 9	0 36	20 32	0 3	16 27	0 39	17 2	0 4
W 4	6 35	15 9	0n43	15 34	1 51	9 20	0 18	14 53	1 6	20 10	0 36	20 31	0 3	16 26	0 39	17 1	0 4
T 5	6 12	11 47	1 51	15 8	1 55	9 50	0 22	14 38	1 7	20 12	0 36	20 29	0 3	16 25	0 39	17 0	0 4
F 6	5 49	7 55	2 52	14 40	1 58	10 19	0 26	14 22	1 7	20 13	0 35	20 28	0 3	16 24	0 39	17 0	0 4
S 7	5 26	3 47	3 45	14 11	2 1	10 48	0 30	14 7	1 7	20 15	0 35	20 27	0 3	16 23	0 39	16 59	0 4
S 8	5 2	0s27	4 25	13 41	2 4	11 17	0 34	13 51	1 7	20 17	0 35	20 26	0 3	16 23	0 39	16 59	0 4
M 9	4 39	4 36	4 53	13 9	2 7	11 46	0 38	13 35	1 7	20 18	0 35	20 25	0 2	16 22	0 39	16 58	0 4
T 10	4 16	8 32	5 8	12 36	2 9	12 14	0 42	13 19	1 7	20 20	0 35	20 24	0 2	16 21	0 39	16 58	0 4
W11	3 52	12 5	5 9	12 2	2 11	12 42	0 46	13 3	1 8	20 22	0 34	20 23	0 2	16 20	0 39	16 57	0 4
T 12	3 28	15 9	4 57	11 27	2 12	13 10	0 50	12 47	1 8	20 23	0 34	20 22	0 2	16 19	0 39	16 57	0 4
F 13	3 5	17 37	4 32	10 50	2 13	13 38	0 54	12 30	1 8	20 25	0 34	20 21	0 2	16 18	0 39	16 56	0 4
S 14	2 41	19 19	3 56	10 13	2 13	14 5	0 58	12 14	1 8	20 27	0 34	20 20	0 2	16 17	0 39	16 56	0 4
S 15	2 18	20 11	3 8	9 34	2 13	14 32	1 2	11 57	1 8	20 28	0 34	20 19	0 2	16 16	0 39	16 55	0 4
M16	1 50	20 5	2 10	8 54	2 12	14 59	1 6	11 40	1 8	20 30	0 33	20 18	0 2	16 15	0 39	16 55	0 4
T 17	1 34	18 57	1 4	8 13	2 11	15 25	1 10	11 23	1 8	20 32	0 33	20 18	0 2	16 14	0 39	16 54	0 4
W18	1 6	16 46	0s 7	7 30	2 10	15 51	1 14	11 6	1 8	20 34	0 33	20 17	0 2	16 14	0 39	16 54	0 4
T 19	0 43	13 36	1 20	6 47	2 8	16 16	1 18	10 49	1 9	20 36	0 33	20 16	0 2	16 13	0 39	16 53	0 4
F 20	0 19	9 33	2 30	6 2	2 6	16 42	1 23	10 32	1 9	20 37	0 33	20 15	0 2	16 12	0 39	16 53	0 4
S 21	0n 5	4 51	3 32	5 16	2 3	17 6	1 27	10 15	1 9	20 39	0 33	20 14	0 2	16 11	0 39	16 52	0 4
S 22	0 29	0n13	4 22	4 29	1 59	17 31	1 31	9 58	1 9	20 41	0 32	20 13	0 2	16 10	0 39	16 52	0 4
M23	0 52	5 19	4 54	3 41	1 56	17 55	1 35	9 40	1 9	20 43	0 32	20 12	0 1	16 9	0 39	16 51	0 4
T 24	1 16	10 6	5 6	2 52	1 51	18 19	1 39	9 23	1 9	20 45	0 32	20 11	0 1	16 9	0 39	16 51	0 4
W25	1 40	14 14	4 58	2 2	1 46	18 42	1 43	9 5	1 9	20 47	0 32	20 10	0 1	16 8	0 39	16 50	0 4
T 26	2 3	17 26	4 31	1 11	1 41	19 5	1 47	8 47	1 9	20 49	0 32	20 10	0 1	16 7	0 39	16 50	0 4
F 27	2 27	19 30	3 47	0 19	1 35	19 27	1 51	8 29	1 9	20 50	0 31	20 9	0 1	16 6	0 39	16 50	0 4
S 28	2 50	20 20	2 51	0n33	1 28	19 49	1 55	8 12	1 9	20 52	0 31	20 8	0 1	16 6	0 39	16 49	0 4
S 29	3 14	19 56	1 46	1 27	1 21	20 10	1 59	7 54	1 9	20 54	0 31	20 7	0 1	16 5	0 39	16 49	0 4
M30	3 37	18 26	0 37	2 21	1 14	20 31	2 3	7 36	1 9	20 56	0 31	20 7	0 1	16 4	0 39	16 48	0 4
T 31	4n 0	15n59	0n32	3n16	1s 6	20n52	2n 7	7s18	1s 9	20n58	0s31	20s 6	0n 1	16s 3	0s39	16s48	0n 4

Julian Day Number = 2512599.5, Delta T = 134.22 sec
 Ecliptic obliquity = 23°24'57, Nutation = - 0°00'12, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°04'34, Lahiri = 26°11'35

ASTRODIENST EPHEMERIS for the year 2167
geocentric

APRIL 2167

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	12 36 53	11° 7'00	0° 36'	12° 51'	25° 19'	14° 56'	7° 11'	0° 9'	18° 1'	13° 9'	8° 2'	11° 47'	10° 20'	18° 30'	27° 59'	W 1
T 2	12 40 49	12° 6'18	13° 11'	14° 53'	26° 25'	15° 43'	7° 26'	0° 13'	18° 3'	13° 11'	8° 2'	11° 42'	10° 17'	18° 36'	28° 3'	T 2
F 3	12 44 46	13° 5'33	25° 36'	16° 56'	27° 30'	16° 30'	7° 37'	0° 17'	18° 6'	13° 12'	8° 2'	11° 35'	10° 14'	18° 43'	28° 7'	F 3
S 4	12 48 42	14° 4'46	7° 52'	19° 0'	28° 35'	17° 17'	7° 48'	0° 20'	18° 8'	13° 13'	8° 2'	11° 26'	10° 11'	18° 50'	28° 10'	S 4
S 5	12 52 39	15° 3'57	20° 1'	21° 3'	29° 40'	18° 4'	7° 58'	0° 24'	18° 10'	13° 15'	8° 3'	11° 15'	10° 8'	18° 56'	28° 14'	S 5
M 6	12 56 36	16° 3'06	2° 3'	23° 7'	0° 45'	18° 51'	8° 9'	0° 27'	18° 12'	13° 16'	8° 3'	11° 2'	10° 4'	19° 3'	28° 17'	M 6
T 7	13 0 32	17° 2'13	14° 0'	25° 10'	1° 50'	19° 38'	8° 20'	0° 30'	18° 15'	13° 17'	8° 3'	10° 50'	10° 1'	19° 10'	28° 21'	T 7
W 8	13 4 29	18° 1'18	25° 52'	27° 12'	2° 54'	20° 25'	8° 32'	0° 34'	18° 17'	13° 19'	8° 4'	10° 39'	9° 58'	19° 17'	28° 24'	W 8
T 9	13 8 25	19° 0'21	7° 44'	29° 13'	3° 58'	21° 12'	8° 43'	0° 37'	18° 19'	13° 20'	8° 4'	10° 30'	9° 55'	19° 23'	28° 28'	T 9
F 10	13 12 22	19° 59'23	19° 36'	1° 13'	5° 2'	21° 59'	8° 54'	0° 40'	18° 21'	13° 21'	8° 5'	10° 23'	9° 52'	19° 30'	28° 31'	F 10
S 11	13 16 18	20° 58'23	1° 35'	3° 11'	6° 5'	22° 45'	9° 6'	0° 43'	18° 23'	13° 22'	8° 5'	10° 19'	9° 49'	19° 37'	28° 35'	S 11
S 12	13 20 15	21° 57'21	13° 42'	5° 7'	7° 8'	23° 32'	9° 17'	0° 45'	18° 25'	13° 23'	8° 5'	10° 17'	9° 45'	19° 44'	28° 38'	S 12
M13	13 24 11	22° 56'17	26° 5'	7° 0'	8° 11'	24° 19'	9° 29'	0° 48'	18° 27'	13° 24'	8° 6'	10° 17'	9° 42'	19° 50'	28° 42'	M13
T 14	13 28 8	23° 55'11	8° 47'	8° 51'	9° 14'	25° 6'	9° 40'	0° 51'	18° 29'	13° 25'	8° 6'	10° 17'	9° 39'	19° 57'	28° 45'	T 14
W15	13 32 5	24° 54'04	21° 53'	10° 38'	10° 16'	25° 53'	9° 52'	0° 53'	18° 31'	13° 26'	8° 7'	10° 17'	9° 36'	20° 4'	28° 49'	W15
T 16	13 36 1	25° 52'55	5° 28'	12° 22'	11° 18'	26° 39'	10° 4'	0° 56'	18° 33'	13° 27'	8° 8'	10° 14'	9° 33'	20° 10'	28° 52'	T 16
F 17	13 39 58	26° 51'44	19° 32'	14° 2'	12° 19'	27° 26'	10° 16'	0° 58'	18° 34'	13° 28'	8° 8'	10° 10'	9° 30'	20° 17'	28° 56'	F 17
S 18	13 43 54	27° 50'32	4° 4'	15° 38'	13° 20'	28° 13'	10° 28'	1° 0'	18° 36'	13° 29'	8° 9'	10° 3'	9° 26'	20° 24'	28° 59'	S 18
S 19	13 47 51	28° 49'17	18° 59'	17° 10'	14° 21'	28° 59'	10° 40'	1° 3'	18° 38'	13° 30'	8° 9'	9° 53'	9° 23'	20° 31'	29° 2'	S 19
M20	13 51 47	29° 48'01	4° 10'	18° 37'	15° 21'	29° 46'	10° 52'	1° 5'	18° 40'	13° 31'	8° 10'	9° 42'	9° 20'	20° 37'	29° 5'	M20
T 21	13 55 44	0° 46'43	19° 25'	20° 0'	16° 21'	0° 33'	11° 4'	1° 7'	18° 41'	13° 32'	8° 11'	9° 31'	9° 17'	20° 44'	29° 9'	T 21
W22	13 59 40	1° 45'23	4° 33'	21° 18'	17° 21'	1° 19'	11° 16'	1° 9'	18° 43'	13° 33'	8° 11'	9° 21'	9° 14'	20° 51'	29° 12'	W22
T 23	14 3 37	2° 44'01	19° 26'	22° 30'	18° 20'	2° 6'	11° 29'	1° 10'	18° 44'	13° 33'	8° 12'	9° 14'	9° 10'	20° 57'	29° 15'	T 23
F 24	14 7 34	3° 42'36	3° 55'	23° 38'	19° 19'	2° 52'	11° 41'	1° 12'	18° 46'	13° 34'	8° 13'	9° 9'	9° 7'	21° 4'	29° 18'	F 24
S 25	14 11 30	4° 41'10	17° 58'	24° 40'	20° 17'	3° 39'	11° 54'	1° 14'	18° 47'	13° 35'	8° 13'	9° 7'	9° 4'	21° 11'	29° 22'	S 25
S 26	14 15 27	5° 39'41	1° 35'	25° 37'	21° 15'	4° 25'	12° 6'	1° 15'	18° 49'	13° 36'	8° 14'	9° 6'	9° 1'	21° 18'	29° 25'	S 26
M27	14 19 23	6° 38'10	14° 49'	26° 29'	22° 13'	5° 12'	12° 19'	1° 17'	18° 50'	13° 36'	8° 15'	9° 6'	8° 58'	21° 24'	29° 28'	M27
T 28	14 23 20	7° 36'37	27° 41'	27° 15'	23° 10'	5° 58'	12° 31'	1° 18'	18° 51'	13° 37'	8° 16'	9° 6'	8° 55'	21° 31'	29° 31'	T 28
W29	14 27 16	8° 35'02	10° 17'	27° 55'	24° 6'	6° 45'	12° 44'	1° 19'	18° 52'	13° 37'	8° 17'	9° 3'	8° 51'	21° 38'	29° 34'	W29
T 30	14 31 13	9° 33'24	22° 39'	28° 30'	25° 12'	7° 31'	12° 57'	1° 20'	18° 54'	13° 38'	8° 17'	9° 3'	8° 51'	21° 44'	29° 37'	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
W 1	4n24	12n47	1n39	4n11	0s57	21n12	2n11	6s59	1s 9	21n 0	0s31	20s 5	0n 1	16s 3	0s39	16s48	0n 4	19n 9	4s 2	17n14	17n38	12s25	2n35	3n41			
T 2	4 47	9 3	2 39	5 7	0 48	21 31	2 15	6 41	1 9	21 2	0 30	20 4	0 1	16 2	0 39	16 47	0 4	19 9	4 2	17 16	17 39	12 27	2 36	3 41			
F 3	5 10	4 59	3 31	6 3	0 39	21 50	2 19	6 23	1 9	21 4	0 30	20 4	0 1	16 1	0 40	16 47	0 4	19 9	4 1	17 17	17 40	12 29	2 37	3 41			
S 4	5 33	0 45	4 13	6 59	0 29	22 9	2 23	6 5	1 9	21 6	0 30	20 3	0 1	16 0	0 40	16 46	0 4	19 9	4 1	17 20	17 41	12 31	2 39	3 41			
S 5	5 56	3s28	4 42	7 55	0 19	22 27	2 26	5 46	1 9	21 8	0 30	20 2	0 1	16 0	0 40	16 46	0 4	19 10	4 1	17 23	17 41	12 32	2 40	3 41			
M 6	6 19	7 30	4 59	8 51	0 8	22 44	2 30	5 28	1 9	21 9	0 30	20 2	0 0	15 59	0 40	16 46	0 4	19 10	4 1	17 27	17 42	12 34	2 42	3 41			
T 7	6 41	11 13	5 2	9 46	0n 3	23 1	2 34	5 10	1 9	21 11	0 30	20 1	0 0	15 59	0 40	16 45	0 4	19 10	4 1	17 30	17 43	12 36	2 43	3 41			
W 8	7 4	14 29	4 52	10 41	0 14	23 18	2 37	4 51	1 9	21 13	0 29	20 0	0 0	15 58	0 40	16 45	0 4	19 10	4 1	17 33	17 44	12 38	2 44	3 41			
T 9	7 26	17 9	4 29	11 35	0 25	23 33	2 41	4 33	1 9	21 15	0 29	20 0	0 0	15 57	0 40	16 45	0 4	19 10	4 1	17 35	17 45	12 40	2 46	3 41			
F 10	7 48	19 6	3 55	12 28	0 37	23 49	2 44	4 14	1 9	21 17	0 29	19 59	0 0	15 57	0 40	16 44	0 4	19 10	4 0	17 37	17 46	12 42	2 47	3 41			
S 11	8 11	20 14	3 10	13 19	0 48	24 3	2 48	3 56	1 9	21 19	0 29	19 59	0 0	15 56	0 40	16 44	0 4	19 10	4 0	17 38	17 46	12 44	2 49	3 41			
S 12	8 33	20 27	2 16	14 9	0 59	24 18	2 51	3 37	1 9	21 21	0 29	19 58	0s 0	15 55	0 40	16 44	0 4	19 10	4 0	17 39	17 47	12 46	2 50	3 41			
M13	8 55	19 41	1 15	14 57	1 11	24 31	2 55	3 18	1 9	21 23	0 29	19 58	0 0	15 55	0 40	16 43	0 4	19 11	4 0	17 39	17 48	12 48	2 51	3 41			
T 14	9 16	17 55	0 8	15 43	1 22	24 44	2 58	3 0	1 9	21 25	0 28	19 57	0 0	15 54	0 40	16 43	0 4	19 11	4 0	17 39	17 49	12 50	2 53	3 41			
W15	9 38	15 10	1s 1	16 28	1 32	24 57	3 1	2 41	1 8	21 27	0 28	19 57	0 0	15 54	0 40	16 43	0 4	19 11	4 0	17 39	17 50	12 52	2 54	3 41			
T 16	9 59	11 30	2 9	17 10	1 42	25 9	3 4	2 22	1 8	21 28	0 28	19 56	0 0	15 53	0 40	16 43	0 4	19 11	4 0	17 40	17 51	12 54	2 56	3 41			
F 17	10 21	7 5	3 12	17 49	1 52	25 20	3 7	2 4	1 8	21 30	0 28	19 56	0 0	15 53	0 40	16 42	0 4	19 11	3 59	17 41	17 52	12 55	2 57	3 41			
S 18	10 42	2 7	4 4	18 26	2 1	25 31	3 10	1 45	1 8	21 32	0 28	19 55	0 1	15 52	0 40	16 42	0 4	19 11	3 59	17 43	17 52	12 57	2 58	3 41			
S 19	11 3	3n 5	4 41	19 1	2 10	25 41	3 13	1 26	1 8	21 34	0 28	19 55	0 1	15 52	0 40	16 42	0 4	19 11	3 59	17 45	17 53	12 59	3 0	3 41			
M20	11 23	8 12	4 59	19 33	2 18	25 51	3 15	1 8	1 8	21 36	0 28	19 55	0 1	15 51	0 40	16 42	0 4	19 11	3 59	17 48	17 54	13 1	3 1	3 41			
T 21	11 44	12 49	4 56	20 3	2 25	26 0	3 18	0 49	1 8	21 38	0 27	19 54	0 1	15 51	0 40	16 41	0 4	19 11	3 59	17 51	17 55	13 3	3 2	3 41			
W22	12 4	16 34	4 32	20 30	2 31	26 9	3 21	0 30	1 7	21 39	0 27	19 54	0 1	15 50	0 40	16 41	0 4	19 12	3 59	17 54	17 56	13 5	3 4	3 41			
T 23	12 25	19 10	3 50	20 54	2 36	26 16	3 23	0 12	1 7	21 41	0 27	19 54	0 1	15 50	0 40	16 41	0 4	19 12	3 59	17 56	17 57	13 7	3 5	3 41			
F 24	12 44	20 27	2 54	21 15	2 41	26 24	3 25	0n 7	1 7	21 43	0 27	19 53	0 1	15 49	0 40	16 41	0 4	19 12	3 58	17 57	17 57	13 9	3 6	3 41			
S 25	13 4	20 24	1 49	21 34	2 44	26 31	3 28	0 26	1 7	21 45	0 27	19 53	0 1	15 49	0 40	16 40	0 4	19 12	3 58	17 58	17 58	13 11	3 8	3 41			
S 26	13 24	19 9	0 40	21 50	2 47	26 37	3 30	0 44	1 7	21 47	0 27	19 53	0 1	15 49	0 40	16 40	0 4	19 12	3 58	17 58	17 59	13 13	3 9	3 41			
M27	13 43	16 51	0n30	22 4	2 48	26 42	3 32	1 3	1 7	21 49	0 27	19 52	0 1	15 48	0 40	16 40	0 4	19 12	3 58	17 58	18 0	13 14	3 10	3 41			
T 28	14 2	13 46	1 37	22 15	2 48	26 47	3 33	1 21	1 6	21 50	0 26	19 52	0 1	15 48	0 40	16 40	0 4	19 12	3 58	17 58	18 1	13 16	3 11	3 41			
W29	14 21	10 7	2 37	22 24	2 47	26 52	3 35	1 40	1 6	21 52	0 26	19 52	0 1	15 48	0 40	16 40	0 4	19 12	3 58	17 59	18 2	13 18	3 13	3 41			
T 30	14n40	6n 6	3n28	22n30	2n45	26n56	3n37	1n58	1s 6	21n54	0s26	19s52	0s 1	15s47	0s40	16s40	0n 4	19n12	3s58	18n 0	18n 2	13s20	3n14	3n41			

ASTRODIENST EPHEMERIS for the year 2167
geocentric

MAY 2167

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	14 35 9	10♈31'45	4♌52	28♊59	25♋57	8♌17	13♍9	1♎22	18♏55	13♐38	8♑18	8♒50	8♓45	21♈51	29♉40	F 1
S 2	14 39 6	11°30'03	16°57	29°23	26°52	9° 4	13°22	1°22	18°56	13°39	8°19	8♒39	8°42	21°58	29°43	S 2
S 3	14 43 2	12°28'20	28°57	29°41	27°46	9°50	13°35	1°23	18°57	13°39	8°20	8°26	8°39	22° 5	29°46	S 3
M 4	14 46 59	13°26'35	10♌53	29°53	28°40	10°36	13°48	1°24	18°58	13°40	8°21	8°12	8°35	22°11	29°49	M 4
T 5	14 50 56	14°24'48	22°46	29°59	29°33	11°22	14° 1	1°25	18°59	13°40	8°22	7°58	8°32	22°18	29°52	T 5
W 6	14 54 52	15°22'59	4♌38	0°R 1	0♉25	12° 9	14°14	1°25	19° 0	13°41	8°23	7°45	8°29	22°25	29°55	W 6
T 7	14 58 49	16°21'09	16°30	29°58	1°17	12°55	14°27	1°26	19° 1	13°41	8°24	7°35	8°26	22°32	29°57	T 7
F 8	15 2 45	17°19'18	28°25	29°49	2° 7	13°41	14°40	1°26	19° 2	13°41	8°25	7°27	8°23	22°38	0♌0	F 8
S 9	15 6 42	18°17'24	10♌26	29°35	2°58	14°27	14°53	1°26	19° 2	13°41	8°26	7°21	8°20	22°45	0° 3	S 9
S 10	15 10 38	19°15'30	22°35	29°18	3°47	15°13	15° 7	1°26	19° 3	13°42	8°27	7°19	8°16	22°52	0° 6	S 10
M 11	15 14 35	20°13'34	4♌57	28°56	4°36	15°59	15°20	1°R27	19° 4	13°42	8°28	7°D18	8°13	22°58	0° 8	M 11
T 12	15 18 31	21°11'36	17°37	28°30	5°24	16°45	15°33	1°27	19° 4	13°42	8°29	7°R18	8°10	23° 5	0°11	T 12
W 13	15 22 28	22° 9'37	0♈39	28° 1	6°11	17°31	15°46	1°26	19° 5	13°42	8°30	7°18	8° 7	23°12	0°13	W 13
T 14	15 26 25	23° 7'37	14° 7	27°30	6°57	18°17	16° 0	1°26	19° 5	13°42	8°31	7°16	8° 4	23°19	0°16	T 14
F 15	15 30 21	24° 5'36	28° 4	26°57	7°43	19° 3	16°13	1°26	19° 6	13°42	8°32	7°13	8° 1	23°25	0°18	F 15
S 16	15 34 18	25° 3'33	12♌29	26°22	8°27	19°48	16°27	1°25	19° 6	13°R42	8°33	7° 6	7°57	23°32	0°21	S 16
S 17	15 38 14	26° 1'29	27°20	25°46	9°10	20°34	16°40	1°25	19° 7	13°42	8°34	6°58	7°54	23°39	0°23	S 17
M 18	15 42 11	26°59'24	12♌30	25°11	9°53	21°20	16°54	1°24	19° 7	13°42	8°36	6°48	7°51	23°45	0°26	M 18
T 19	15 46 7	27°57'17	27°49	24°36	10°35	22° 5	17° 7	1°24	19° 7	13°42	8°37	6°38	7°48	23°52	0°28	T 19
W 20	15 50 4	28°55'09	13♋ 5	24° 1	11°15	22°51	17°21	1°23	19° 7	13°42	8°38	6°29	7°45	23°59	0°30	W 20
T 21	15 54 0	29°52'59	28° 7	23°29	11°54	23°37	17°34	1°22	19° 8	13°42	8°39	6°22	7°41	24° 6	0°33	T 21
F 22	15 57 57	0♈50'48	12♌48	22°58	12°32	24°22	17°48	1°21	19° 8	13°42	8°40	6°18	7°38	24°12	0°35	F 22
S 23	16 1 54	1°48'35	27° 2	22°31	13° 9	25° 8	18° 1	1°20	19° 8	13°42	8°42	6°16	7°35	24°19	0°37	S 23
S 24	16 5 50	2°46'21	10♌48	22° 6	13°45	25°53	18°15	1°19	19°R 8	13°41	8°43	6°D16	7°32	24°26	0°39	S 24
M 25	16 9 47	3°44'05	24° 7	21°45	14°20	26°39	18°29	1°17	19° 8	13°41	8°44	6°16	7°29	24°32	0°41	M 25
T 26	16 13 43	4°41'47	7♌ 1	21°27	14°53	27°24	18°43	1°16	19° 8	13°41	8°45	6°R17	7°26	24°39	0°43	T 26
W 27	16 17 40	5°39'28	19°36	21°14	15°24	28° 9	18°56	1°14	19° 8	13°40	8°47	6°15	7°22	24°46	0°45	W 27
T 28	16 21 36	6°37'07	1♌54	21° 4	15°55	28°54	19°10	1°13	19° 7	13°40	8°48	6°12	7°19	24°53	0°47	T 28
F 29	16 25 33	7°34'45	14° 1	20°59	16°23	29°40	19°24	1°11	19° 7	13°40	8°49	6° 7	7°16	24°59	0°49	F 29
S 30	16 29 29	8°32'21	26° 0	20°D59	16°50	0♉25	19°37	1° 9	19° 7	13°39	8°50	5°59	7°13	25° 6	0°51	S 30
S 31	16 33 26	9♈29'56	7♌55	21♌ 3	17♌16	1♌10	19♈51	1♌ 8	19♌ 7	13♌39	8♌52	5♌50	7♌10	25♌13	0♌53	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
F 1	14n58	1n53	4n 9	22n33	2n42	26n59	3n38	2n17	1s 6	21n55	0s26	19s52	0s 2	15s47	0s40	16s39	0n 3	19n12	3s58	18n 2	18n 3	13s22	3n15	3n41
S 2	15 16	2s22	4 39	22 34	2 38	27 2	3 40	2 35	1 5	21 57	0 26	19 52	0 2	15 47	0 41	16 39	0 3	19 12	3 57	18 5	18 4	13 24	3 16	3 42
S 3	15 34	6 29	4 55	22 32	2 32	27 4	3 41	2 54	1 5	21 59	0 26	19 52	0 2	15 46	0 41	16 39	0 3	19 12	3 57	18 8	18 5	13 26	3 18	3 42
M 4	15 52	10 20	4 59	22 28	2 25	27 6	3 42	3 12	1 5	22 1	0 26	19 51	0 2	15 46	0 41	16 39	0 3	19 13	3 57	18 12	18 6	13 28	3 19	3 42
T 5	16 9	13 46	4 50	22 22	2 17	27 7	3 43	3 30	1 5	22 2	0 26	19 51	0 2	15 46	0 41	16 39	0 3	19 13	3 57	18 15	18 7	13 29	3 20	3 42
W 6	16 26	16 39	4 28	22 13	2 8	27 8	3 43	3 48	1 4	22 4	0 25	19 51	0 2	15 45	0 41	16 39	0 3	19 13	3 57	18 19	18 7	13 31	3 21	3 42
T 7	16 43	18 51	3 54	22 2	1 57	27 8	3 44	4 7	1 4	22 6	0 25	19 51	0 2	15 45	0 41	16 39	0 3	19 13	3 57	18 21	18 8	13 33	3 23	3 42
F 8	16 59	20 14	3 10	21 49	1 46	27 8	3 44	4 25	1 4	22 7	0 25	19 51	0 2	15 45	0 41	16 39	0 3	19 13	3 57	18 24	18 9	13 35	3 24	3 42
S 9	17 15	20 44	2 17	21 33	1 33	27 7	3 44	4 43	1 3	22 9	0 25	19 51	0 2	15 45	0 41	16 39	0 3	19 13	3 56	18 25	18 10	13 37	3 25	3 42
S 10	17 31	20 15	1 17	21 16	1 19	27 6	3 44	5 1	1 3	22 10	0 25	19 51	0 2	15 45	0 41	16 39	0 3	19 13	3 56	18 26	18 11	13 39	3 26	3 42
M 11	17 47	18 48	0 12	20 57	1 4	27 4	3 44	5 19	1 3	22 12	0 25	19 51	0 2	15 44	0 41	16 39	0 3	19 13	3 56	18 26	18 12	13 41	3 27	3 42
T 12	18 2	16 24	0s54	20 36	0 49	27 2	3 44	5 37	1 3	22 13	0 25	19 52	0 2	15 44	0 41	16 39	0 3	19 13	3 56	18 26	18 12	13 43	3 28	3 42
W 13	18 17	13 7	2 0	20 14	0 33	26 59	3 43	5 55	1 2	22 15	0 25	19 52	0 3	15 44	0 41	16 39	0 3	19 13	3 56	18 26	18 13	13 44	3 29	3 42
T 14	18 32	9 2	3 2	19 50	0 16	26 56	3 43	6 12	1 2	22 17	0 24	19 52	0 3	15 44	0 41	16 39	0 3	19 13	3 56	18 26	18 14	13 46	3 30	3 43
F 15	18 47	4 22	3 55	19 26	0s 1	26 53	3 42	6 30	1 2	22 18	0 24	19 52	0 3	15 44	0 41	16 39	0 3	19 13	3 56	18 27	18 15	13 48	3 32	3 43
S 16	19 1	0n42	4 35	19 1	0 19	26 49	3 40	6 48	1 1	22 20	0 24	19 52	0 3	15 44	0 41	16 39	0 3	19 13	3 56	18 29	18 16	13 50	3 33	3 43
S 17	19 15	5 53	4 58	18 35	0 37	26 44	3 39	7 5	1 1	22 21	0 24	19 52	0 3	15 44	0 41	16 39	0 3	19 13	3 56	18 31	18 16	13 52	3 34	3 43
M 18	19 28	10 48	5 1	18 10	0 54	26 40	3 37	7 23	1 0	22 22	0 24	19 53	0 3	15 44	0 41	16 39	0 3	19 13	3 55	18 33	18 17	13 54	3 35	3 43
T 19	19 41	15 4	4 42	17 45	1 11	26 34	3 35	7 40	1 0	22 24	0 24	19 53	0 3	15 44	0 41	16 39	0 3	19 13	3 55	18 36	18 18	13 56	3 36	3 43
W 20	19 54	18 19	4 3	17 20	1 28	26 29	3 33	7 57	1 0	22 25	0 24	19 53	0 3	15 44	0 41	16 39	0 3	19 13	3 55	18 38	18 19	13 57	3 37	3 43
T 21	20 6	20 16	3 8	16 56	1 45	26 23	3 31	8 14	0 59	22 27	0 24	19 53	0 3	15 44	0 41	16 39	0 3	19 13	3 55	18 40	18 20	13 59	3 38	3 43
F 22	20 18	20 47	2 1	16 33	2 0	26 17	3 28	8 31	0 59	22 28	0 24	19 54	0 3	15 44	0 41	16 39	0 3	19 13	3 55	18 41	18 21	14 1	3 39	3 43
S 23	20 30	19 56	0 49	16 12	2 15	26 10	3 25	8 48	0 59	22 29	0 23	19 54	0 3	15 44	0 41	16 39	0 3	19 14	3 55	18 41	18 21	14 3	3 40	3 43
S 24	20 42	17 54	0n24	15 52	2 29	26 4	3 22	9 5	0 58	22 31	0 23	19 54	0 4	15 44	0 41	16 39	0 3	19 14	3 55	18 41	18 22	14 5	3 41	3 44
M 25	20 53	14 57	1 34	15 34	2 42	25 56	3 19	9 22	0 58	22 32	0 23	19 55	0 4	15 44	0 41	16 39	0 3	19 14	3 55	18 41	18 23	14 7	3 42	3 44
T 26	21 3	11 21	2 36	15 18	2 54	25 49	3 15	9 39	0 57	22 33	0 23	19 55	0 4	15 44	0 41	16 39	0 3	19 14	3 55	18 41	18 24	14 8	3 43	3 44
W 27	21 14	7 20	3 30	15 4	3 5	25 41	3 11	9 55	0 57	22 34	0 23	19 56	0 4	15 44	0 42	16 39	0 3	19 14	3 54	18 41	18 25	14 10	3 43	3 44
T 28	21 24	3 6	4 12	14 52	3 15	25 34	3 7	10 12	0 56	22 36	0 23	19 56	0 4	15 44	0 42	16 39	0 3	19 14	3 54	18 42	18 25	14 12	3 44	3 44
F 29	21 33	1s11	4 42	14 43	3 24	25 25	3 2	10 28	0 56	22 37	0 23	19 56	0 4	15 44	0 42	16 39	0 3	19 14	3 54	18 43	18 26	14 14	3 45	3 44
S 30	21 42	5 22	5 0	14 35	3 31	25 17	2 57	10 44	0 55	22 38	0 23	19 57	0 4	15 44	0 42	16 40	0 3	19 14	3 54	18 45	18 27	14 16	3 46	3 44
S 31	21n51	9s20	5n 4	14n30	3s38	25n 8	2n52	11n 0	0s55	22n39	0s23	19s57	0s 4	15s44	0s42	16s40	0n 3	19n14	3s54	18n48	18n28	14s18	3n47	3n44

Julian Day Number = 2512660.5, Delta T = 134.35 sec
Ecliptic obliquity = 23°24'57, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°04'43, Lahiri = 26°11'43

ASTRODIENST EPHEMERIS for the year 2167

geocentric

JUNE 2167

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	16 37 23	10 ^{II} 27'30	19 ^{III} 47	21 ^{III} 11	17 ^{III} 40	1 ^{III} 55	20 ^{II} 5	1°R 6	19°R 6	13°R38	8 ^{III} 53	5°R40	7 ^{II} 7	25 ^{III} 19	0 ^{III} 54	M 1
T 2	16 41 19	11°25'02	1 ^{III} 39	21°24	18° 2	2°40	20°19	1 ^{III} 4	19 ^{III} 6	13 ^{III} 38	8°54	5 ^{II} 29	7° 3	25°26	0°56	T 2
W 3	16 45 16	12°22'33	13°33	21°42	18°22	3°25	20°33	1° 2	19° 5	13°37	8°56	5°20	7° 0	25°33	0°58	W 3
T 4	16 49 12	13°20'04	25°30	22° 3	18°40	4°10	20°46	0°59	19° 5	13°37	8°57	5°12	6°57	25°40	0°59	T 4
F 5	16 53 9	14°17'33	7 ^{III} 31	22°29	18°57	4°54	21° 0	0°57	19° 4	13°36	8°58	5° 6	6°54	25°46	1° 1	F 5
S 6	16 57 5	15°15'01	19°40	23° 0	19°11	5°39	21°14	0°55	19° 4	13°35	9° 0	5° 3	6°51	25°53	1° 3	S 6
S 7	17 1 2	16°12'29	1 ^{III} 57	23°34	19°24	6°24	21°28	0°52	19° 3	13°35	9° 1	5°D 2	6°47	26° 0	1° 4	S 7
M 8	17 4 59	17° 9'56	14°26	24°13	19°34	7° 9	21°42	0°50	19° 2	13°34	9° 3	5° 2	6°44	26° 6	1° 5	M 8
T 9	17 8 55	18° 7'22	27°11	24°55	19°42	7°53	21°56	0°47	19° 2	13°33	9° 4	5° 3	6°41	26°13	1° 7	T 9
W10	17 12 52	19° 4'47	10 ^{III} 14	25°42	19°48	8°38	22°10	0°45	19° 1	13°33	9° 5	5° 4	6°38	26°20	1° 8	W10
T 11	17 16 48	20° 2'12	23°39	26°32	19°52	9°22	22°24	0°42	19° 0	13°32	9° 7	5°R 5	6°35	26°27	1° 9	T 11
F 12	17 20 45	20°59'36	7 ^{III} 28	27°26	19°R54	10° 7	22°37	0°39	18°59	13°31	9° 8	5° 3	6°32	26°33	1°11	F 12
S 13	17 24 41	21°57'00	21°42	28°23	19°53	10°51	22°51	0°36	18°58	13°30	9°10	5° 0	6°28	26°40	1°12	S 13
S 14	17 28 38	22°54'23	6 ^{III} 19	29°24	19°50	11°36	23° 5	0°33	18°57	13°29	9°11	4°56	6°25	26°47	1°13	S 14
M15	17 32 34	23°51'45	21°14	0 ^{III} 29	19°44	12°20	23°19	0°30	18°56	13°28	9°12	4°50	6°22	26°53	1°14	M15
T 16	17 36 31	24°49'08	6 ^{III} 20	1°37	19°36	13° 4	23°33	0°27	18°55	13°27	9°14	4°44	6°19	27° 0	1°15	T 16
W17	17 40 28	25°46'29	21°27	2°48	19°26	13°48	23°47	0°24	18°54	13°27	9°15	4°39	6°16	27° 7	1°16	W17
T 18	17 44 24	26°43'50	6 ^{III} 25	4° 3	19°13	14°32	24° 1	0°21	18°53	13°26	9°17	4°35	6°13	27°14	1°17	T 18
F 19	17 48 21	27°41'11	21° 7	5°20	18°58	15°16	24°15	0°17	18°52	13°25	9°18	4°33	6° 9	27°20	1°18	F 19
S 20	17 52 17	28°38'30	5 ^{II} 25	6°41	18°41	16° 0	24°28	0°14	18°51	13°24	9°20	4°D32	6° 6	27°27	1°19	S 20
S 21	17 56 14	29°35'49	19°17	8° 6	18°21	16°44	24°42	0°10	18°49	13°23	9°21	4°33	6° 3	27°34	1°19	S 21
M22	18 0 10	0 ^{III} 33'07	2 ^{III} 41	9°33	17°59	17°28	24°56	0° 7	18°48	13°21	9°23	4°34	6° 0	27°40	1°20	M22
T 23	18 4 7	1°30'24	15°41	11° 3	17°35	18°12	25°10	0° 3	18°47	13°20	9°24	4°36	5°57	27°47	1°21	T 23
W24	18 8 3	2°27'41	28°19	12°37	17° 8	18°56	25°24	29°359	18°45	13°19	9°26	4°R36	5°53	27°54	1°21	W24
T 25	18 12 0	3°24'56	10 ^{III} 39	14°14	16°40	19°39	25°38	29°56	18°44	13°18	9°27	4°36	5°50	28° 1	1°22	T 25
F 26	18 15 57	4°22'11	22°46	15°53	16°10	20°23	25°51	29°52	18°42	13°17	9°29	4°35	5°47	28° 7	1°22	F 26
S 27	18 19 53	5°19'25	4 ^{III} 44	17°36	15°38	21° 6	26° 5	29°48	18°41	13°16	9°30	4°32	5°44	28°14	1°23	S 27
S 28	18 23 50	6°16'39	16°37	19°21	15° 5	21°50	26°19	29°45	18°39	13°15	9°32	4°28	5°41	28°21	1°23	S 28
M29	18 27 46	7°13'52	28°29	21°10	14°31	22°33	26°33	29°41	18°38	13°13	9°33	4°24	5°38	28°27	1°23	M29
T 30	18 31 43	8 ^{III} 11'05	10 ^{III} 22	23 ^{II} 1	13 ^{III} 55	23 ^{III} 17	26 ^{II} 46	29°37	18 ^{III} 36	13 ^{III} 12	9 ^{III} 34	4 ^{II} 19	5 ^{II} 34	28 ^{III} 34	1°Y24	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
M 1	22n 0	12s55	4n55	14n27	3s43	25n 0	2n46	11n16	0s55	22n40	0s22	19s58	0s 4	15s44	0s42	16s40	0n 3	19n14	3s54	18n50	18n29	14s20	3n48	3n45	
T 2	22 8	16 0	4 34	14 26	3 47	24 51	2 40	11 32	0 54	22 41	0 22	19 58	0 4	15 45	0 42	16 40	0 3	19 14	3 54	18 53	18 29	14 21	3 49	3 45	
W 3	22 15	18 26	4 0	14 28	3 50	24 42	2 34	11 48	0 54	22 43	0 22	19 59	0 4	15 45	0 42	16 40	0 3	19 14	3 54	18 55	18 30	14 23	3 49	3 45	
T 4	22 23	20 5	3 16	14 31	3 52	24 32	2 27	12 4	0 53	22 44	0 22	20 0	0 5	15 45	0 42	16 40	0 3	19 14	3 54	18 57	18 31	14 25	3 50	3 45	
F 5	22 30	20 50	2 22	14 37	3 53	24 23	2 20	12 19	0 53	22 45	0 22	20 0	0 5	15 45	0 42	16 40	0 3	19 14	3 54	18 58	18 32	14 27	3 51	3 45	
S 6	22 36	20 38	1 22	14 44	3 53	24 14	2 12	12 34	0 52	22 46	0 22	20 1	0 5	15 45	0 42	16 41	0 3	19 14	3 53	18 59	18 33	14 29	3 52	3 45	
S 7	22 42	19 26	0 17	14 53	3 53	24 4	2 4	12 50	0 52	22 47	0 22	20 1	0 5	15 46	0 42	16 41	0 3	19 14	3 53	18 59	18 33	14 30	3 52	3 45	
M 8	22 48	17 17	0s51	15 4	3 51	23 54	1 56	13 5	0 51	22 48	0 22	20 2	0 5	15 46	0 42	16 41	0 3	19 14	3 53	18 59	18 34	14 32	3 53	3 46	
T 9	22 53	14 16	1 57	15 17	3 49	23 44	1 47	13 20	0 51	22 49	0 22	20 3	0 5	15 46	0 42	16 41	0 3	19 14	3 53	18 59	18 35	14 34	3 54	3 46	
W10	22 58	10 29	2 59	15 31	3 45	23 34	1 38	13 35	0 50	22 50	0 22	20 3	0 5	15 46	0 42	16 42	0 3	19 14	3 53	18 59	18 36	14 36	3 54	3 46	
T 11	23 3	6 4	3 52	15 46	3 41	23 24	1 29	13 49	0 49	22 50	0 21	20 4	0 5	15 47	0 42	16 42	0 3	19 14	3 53	18 59	18 37	14 38	3 55	3 46	
F 12	23 7	1 15	4 34	16 3	3 36	23 14	1 19	14 4	0 49	22 51	0 21	20 5	0 5	15 47	0 42	16 42	0 3	19 14	3 53	18 59	18 37	14 40	3 56	3 46	
S 13	23 10	3n47	5 1	16 21	3 31	23 4	1 8	14 18	0 48	22 52	0 21	20 5	0 5	15 47	0 42	16 42	0 3	19 14	3 53	19 0	18 38	14 41	3 56	3 46	
S 14	23 14	8 44	5 9	16 40	3 24	22 54	0 57	14 32	0 48	22 53	0 21	20 6	0 5	15 48	0 42	16 42	0 3	19 14	3 53	19 1	18 39	14 43	3 57	3 46	
M15	23 16	13 16	4 57	17 1	3 18	22 44	0 46	14 46	0 47	22 54	0 21	20 7	0 6	15 48	0 42	16 43	0 3	19 14	3 53	19 2	18 40	14 45	3 57	3 47	
T 16	23 19	17 0	4 24	17 22	3 10	22 33	0 35	15 0	0 47	22 55	0 21	20 8	0 6	15 48	0 42	16 43	0 3	19 14	3 53	19 4	18 41	14 47	3 58	3 47	
W17	23 21	19 36	3 33	17 43	3 2	22 23	0 23	15 14	0 46	22 55	0 21	20 8	0 6	15 49	0 42	16 43	0 3	19 14	3 53	19 5	18 41	14 49	3 58	3 47	
T 18	23 23	20 49	2 27	18 6	2 54	22 13	0 10	15 28	0 46	22 56	0 21	20 9	0 6	15 49	0 42	16 44	0 3	19 14	3 52	19 6	18 42	14 50	3 59	3 47	
F 19	23 24	20 34	1 12	18 28	2 45	22 2	0s 2	15 41	0 45	22 57	0 21	20 10	0 6	15 50	0 42	16 44	0 3	19 14	3 52	19 6	18 43	14 52	3 59	3 47	
S 20	23 25	18 59	0n 5	18 51	2 35	21 52	0 15	15 54	0 44	22 57	0 21	20 11	0 6	15 50	0 42	16 44	0 3	19 14	3 52	19 7	18 44	14 54	4 0	3 47	
S 21	23 25	16 17	1 20	19 15	2 25	21 42	0 28	16 7	0 44	22 58	0 21	20 12	0 6	15 50	0 42	16 44	0 3	19 13	3 52	19 6	18 44	14 56	4 0	3 47	
M22	23 25	12 48	2 28	19 38	2 15	21 31	0 42	16 20	0 43	22 59	0 20	20 12	0 6	15 51	0 42	16 45	0 3	19 13	3 52	19 6	18 45	14 58	4 1	3 48	
T 23	23 24	8 48	3 26	20 2	2 4	21 21	0 56	16 33	0 43	22 59	0 20	20 13	0 6	15 51	0 42	16 45	0 3	19 13	3 52	19 6	18 46	14 59	4 1	3 48	
W24	23 24	4 32	4 12	20 25	1 53	21 10	1 10	16 46	0 42	23 0	0 20	20 14	0 6	15 52	0 43	16 45	0 3	19 13	3 52	19 6	18 47	15 1	4 1	3 48	
T 25	23 22	0 10	4 46	20 48	1 42	21 0	1 24	16 58	0 41	23 0	0 20	20 15	0 6	15 52	0 43	16 46	0 3	19 13	3 52	19 6	18 48	15 3	4 2	3 48	
F 26	23 21	4s 6	5 6	21 10	1 30	20 49	1 38	17 10	0 41	23 1	0 20	20 16	0 7	15 53	0 43	16 46	0 3	19 13	3 52	19 6	18 48	15 5	4 2	3 48	
S 27	23 19	8 10	5 13	21 32	1 19	20 39	1 52	17 22	0 40	23 1	0 20	20 17	0 7	15 53	0 43	16 46	0 3	19 13	3 52	19 7	18 49	15 6	4 2	3 48	
S 28	23 16	11 54	5 6	21 53	1 7	20 28	2 6	17 34	0 39	23 2	0 20	20 18	0 7	15 54	0 43	16 47	0 3	19 13	3 52	19 8	18 50	15 8	4 3	3 48	
M29	23 13	15 9	4 46	22 12	0 55	20 18	2 21	17 46	0 39	23 2	0 20	20 19	0 7	15 54	0 43	16 47	0 3	19 13	3 52	19 9	18 51	15 10	4 3	3 49	
T 30	23n10	17s48	4n13	22n31	0s43	20n 8	2s35	17n58	0s38	23n 3	0s20	20s19	0s 7	15s55	0s43	16s48	0n 3	19n13	3s52	19n10	18n52	15s12	4n 3	3n49	

ASTRODIENST EPHEMERIS for the year 2167

geocentric

JULY 2167

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	18 35 39	9°58' 8'18	22°27' 20	24°11' 55	13°18' 19	24°08' 0	27°11' 0	29°18' 33	18°18' 35	13°18' 11	9°58' 36	4°18' 15	5°02' 31	28°18' 41	1°17' 24	W 1
T 2	18 39 36	10° 5'30	4°32' 24	26°52' 26	12°58' 42	24°43' 24	27°14' 27	29°32' 29	18°33' 33	13°18' 10	9°37' 40	4°02' 12	5°28' 52	28°48' 28	1°24' 24	T 2
F 3	18 43 32	11° 2'42	16°36' 24	28°50' 28	12° 4' 24	25°26' 27	27°27' 27	29°25' 29	18°31' 18	13° 8' 13	9°39' 40	4°10' 40	5°25' 52	28°54' 28	1°24' 24	F 3
S 4	18 47 29	11°59'54	28°57' 28	0°52' 52	11°27' 11	26° 9' 26	27°41' 27	29°21' 29	18°29' 18	13° 7' 13	9°40' 40	4°D 9	5°22' 52	29° 1' 29	1°24' 24	S 4
S 5	18 51 26	12°57'06	11°29' 29	2°55' 25	10°49' 10	26°52' 27	27°55' 27	29°16' 29	18°28' 18	13° 6' 13	9°42' 40	4° 9' 40	5°19' 52	29° 8' 29	1°24' 24	S 5
M 6	18 55 22	13°54'18	24°14' 24	5° 0' 5	10°12' 10	27°35' 27	28° 8' 28	29°12' 29	18°26' 18	13° 4' 13	9°43' 40	4°10' 40	5°15' 52	29°14' 29	1°24' 24	M 6
T 7	18 59 19	14°51'29	7°12' 12	7° 6' 7	9°35' 28	28°18' 28	28°22' 28	29° 8' 29	18°24' 18	13° 3' 13	9°45' 40	4°11' 40	5°12' 52	29°21' 29	1°24' 24	T 7
W 8	19 3 15	15°48'41	20°26' 26	9°14' 9	8°59' 8	29° 1' 29	28°35' 28	29° 4' 29	18°22' 18	13° 2' 13	9°46' 40	4°12' 40	5° 9' 52	29°28' 29	1°24' 24	W 8
T 9	19 7 12	16°45'54	3°17' 56	11°23' 11	8°24' 8	29°44' 29	28°49' 28	29° 0' 29	18°20' 18	13° 0' 13	9°48' 40	4°13' 40	5° 6' 52	29°35' 29	1°24' 24	T 9
F 10	19 11 8	17°43'06	17°44' 17	13°32' 13	7°51' 7	0°11' 26	29° 2' 29	28°55' 28	18°18' 18	12°59' 12	9°49' 40	4°R 14	5° 3' 52	29°41' 29	1°23' 23	F 10
S 11	19 15 5	18°40'19	1°18' 50	15°42' 15	7°19' 7	1° 9' 1	29°16' 29	28°51' 28	18°16' 18	12°57' 12	9°51' 40	4°13' 40	4°59' 52	29°48' 29	1°23' 23	S 11
S 12	19 19 1	19°37'33	16°12' 16	17°52' 17	6°48' 6	1°51' 1	29°29' 29	28°47' 28	18°14' 18	12°56' 12	9°52' 40	4°12' 40	4°56' 52	29°55' 29	1°23' 23	S 12
M13	19 22 58	20°34'47	0°11' 47	20° 2' 2	6°19' 6	2°34' 2	29°42' 29	28°42' 28	18°12' 18	12°54' 12	9°54' 40	4°11' 40	4°53' 52	0°11' 47	1°22' 22	M13
T 14	19 26 55	21°32'01	15°30' 15	22°12' 22	5°52' 5	3°16' 3	29°56' 29	28°38' 28	18°10' 18	12°53' 12	9°55' 40	4° 9' 40	4°50' 52	0° 8' 0	1°22' 22	T 14
W15	19 30 51	22°29'16	0°15' 15	24°20' 24	5°27' 5	3°58' 3	0°12' 9	28°33' 28	18° 8' 18	12°51' 12	9°57' 40	4° 8' 40	4°47' 52	0°15' 15	1°21' 21	W15
T 16	19 34 48	23°26'31	14°55' 14	26°28' 26	5° 5' 5	4°41' 4	0°22' 28	28°29' 28	18° 6' 18	12°50' 12	9°58' 40	4° 7' 40	4°44' 52	0°22' 22	1°21' 21	T 16
F 17	19 38 44	24°23'46	29°23' 29	28°35' 28	4°44' 4	5°23' 5	0°36' 28	28°25' 28	18° 4' 18	12°48' 12	10° 0' 10	4°D 7	4°40' 52	0°28' 28	1°20' 20	F 17
S 18	19 42 41	25°21'02	13°02' 33	0°04' 41	4°26' 4	6° 5' 6	0°49' 28	28°20' 28	18° 2' 18	12°47' 12	10° 1' 10	4° 7' 40	4°37' 52	0°35' 35	1°19' 19	S 18
S 19	19 46 37	26°18'18	27°22' 27	2°45' 2	4°10' 4	6°47' 6	1° 2' 1	28°16' 28	18° 0' 18	12°45' 12	10° 2' 10	4° 7' 40	4°34' 52	0°42' 42	1°19' 19	S 19
M20	19 50 34	27°15'34	10°17' 48	4°48' 4	3°56' 3	7°29' 7	1°15' 28	28°11' 28	17°58' 17	12°44' 12	10° 4' 10	4° 8' 40	4°31' 52	0°48' 48	1°18' 18	M20
T 21	19 54 30	28°12'50	23°50' 23	6°49' 6	3°45' 3	8°11' 8	1°28' 28	28° 7' 28	17°55' 17	12°42' 12	10° 5' 10	4° 8' 40	4°28' 52	0°55' 55	1°17' 17	T 21
W22	19 58 27	29°10'06	6°13' 31	8°49' 8	3°36' 3	8°52' 8	1°41' 28	28° 2' 28	17°53' 17	12°41' 12	10° 7' 10	4° 9' 40	4°25' 52	1° 2' 2	1°16' 16	W22
T 23	20 2 24	0°02' 24	18°54' 18	10°47' 10	3°29' 3	9°34' 9	1°54' 27	27°58' 27	17°51' 17	12°39' 12	10° 8' 10	4° 9' 40	4°21' 52	1° 9' 9	1°15' 15	T 23
F 24	20 6 20	1° 4'39	1°13' 13	12°43' 12	3°25' 3	10°16' 10	2° 7' 27	27°53' 27	17°49' 17	12°37' 12	10°10' 10	4°R 9	4°18' 52	1°15' 15	1°14' 14	F 24
S 25	20 10 17	2° 1'56	1°32' 32	14°38' 14	3°D23	10°57' 10	2°20' 27	27°49' 27	17°46' 17	12°36' 12	10°11' 10	4° 9' 40	4°15' 52	1°22' 22	1°13' 13	S 25
S 26	20 14 13	2°59'13	24°55' 24	16°31' 16	3°23' 3	11°39' 11	2°33' 27	27°45' 27	17°44' 17	12°34' 12	10°12' 10	4° 9' 40	4°12' 52	1°29' 29	1°12' 12	S 26
M27	20 18 10	3°56'31	6°17' 47	18°22' 18	3°26' 3	12°20' 12	2°45' 27	27°40' 27	17°42' 17	12°33' 12	10°14' 10	4°D 9	4° 9' 40	1°35' 35	1°11' 11	M27
T 28	20 22 6	4°53'49	18°43' 18	20°11' 20	3°31' 3	13° 1' 1	2°58' 27	27°36' 27	17°39' 17	12°31' 12	10°15' 10	4° 9' 40	4° 5' 52	1°42' 42	1° 9' 9	T 28
W29	20 26 3	5°51'07	0°13' 13	21°59' 21	3°38' 3	13°42' 13	3°11' 27	27°31' 27	17°37' 17	12°29' 12	10°16' 10	4° 9' 40	4° 2' 52	1°49' 49	1° 8' 8	W29
T 30	20 29 59	6°48'26	12°57' 12	23°45' 23	3°48' 3	14°23' 14	3°23' 27	27°27' 27	17°35' 17	12°28' 12	10°18' 10	4° 9' 40	3°59' 52	1°55' 55	1° 7' 7	T 30
F 31	20 33 56	7°04'54	25°32' 25	25°02' 25	3°59' 3	15°11' 15	3°36' 27	27°23' 27	17°33' 17	12°26' 12	10°19' 10	4°10' 40	3°56' 52	2°11' 11	1°10' 10	F 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
W 1	23n 6	19s42	3n30	22n48	0s31	19n57	2s49	18n 9	0s37	23n 3	0s20	20s20	0s 7	15s55	0s43	16s48	0n 3	19n13	3s52	19n11	18n52	15s14	4n 3	3n49					
T 2	23 2	20 44	2 36	23 3	0 20	19 47	3 2	18 20	0 37	23 4	0 20	20 21	0 7	15 56	0 43	16 48	0 3	19 13	3 52	19 11	18 53	15 15	4 4	3 49					
F 3	22 57	20 49	1 35	23 17	0 8	19 37	3 16	18 31	0 36	23 4	0 20	20 22	0 7	15 56	0 43	16 49	0 3	19 13	3 52	19 12	18 54	15 17	4 4	3 49					
S 4	22 52	19 53	0 29	23 28	0n 3	19 28	3 29	18 42	0 35	23 4	0 19	20 23	0 7	15 57	0 43	16 49	0 3	19 13	3 51	19 12	18 55	15 19	4 4	3 49					
S 5	22 47	17 58	0s40	23 37	0 14	19 18	3 41	18 53	0 35	23 5	0 19	20 24	0 7	15 58	0 43	16 49	0 3	19 13	3 51	19 12	18 55	15 21	4 4	3 49					
M 6	22 41	15 8	1 49	23 44	0 25	19 9	3 53	19 3	0 34	23 5	0 19	20 25	0 7	15 58	0 43	16 50	0 3	19 13	3 51	19 12	18 56	15 22	4 4	3 50					
T 7	22 35	11 31	2 52	23 49	0 35	19 0	4 5	19 13	0 33	23 5	0 19	20 26	0 8	15 59	0 43	16 50	0 3	19 13	3 51	19 12	18 57	15 24	4 4	3 50					
W 8	22 29	7 17	3 48	23 51	0 45	18 51	4 16	19 23	0 33	23 5	0 19	20 27	0 8	15 59	0 43	16 51	0 3	19 13	3 51	19 11	18 58	15 26	4 4	3 50					
T 9	22 22	2 37	4 33	23 50	0 54	18 43	4 27	19 33	0 32	23 6	0 19	20 28	0 8	16 0	0 43	16 51	0 3	19 13	3 51	19 11	18 58	15 28	4 4	3 50					
F 10	22 15	2n17	5 3	23 46	1 3	18 35	4 37	19 43	0 31	23 6	0 19	20 29	0 8	16 1	0 43	16 51	0 3	19 13	3 51	19 11	18 59	15 29	4 4	3 50					
S 11	22 7	7 9	5 16	23 40	1 11	18 27	4 46	19 52	0 30	23 6	0 19	20 30	0 8	16 1	0 43	16 52	0 3	19 12	3 51	19 11	19 0	15 31	4 4	3 50					
S 12	21 59	11 44	5 9	23 30	1 18	18 20	4 55	20 2	0 30	23 6	0 19	20 31	0 8	16 2	0 43	16 52	0 3	19 12	3 51	19 11	19 1	15 33	4 4	3 50					
M13	21 50	15 41	4 43	23 19	1 24	18 13	5 3	20 11	0 29	23 6	0 19	20 32	0 8	16 2	0 43	16 53	0 3	19 12	3 51	19 12	19 2	15 35	4 4	3 51					
T 14	21 42	18 41	3 58	23 4	1 30	18 7	5 11	20 20	0 28	23 6	0 19	20 33	0 8	16 3	0 43	16 53	0 3	19 12	3 51	19 12	19 2	15 36	4 4	3 51					
W15	21 33	20 28	2 57	22 47	1 35	18 1	5 18	20 28	0 28	23 6	0 19	20 34	0 8	16 4	0 43	16 54	0 3	19 12	3 51	19 12	19 3	15 38	4 4	3 51					
T 16	21 23	20 51	1 44	22 27	1 39	17 55	5 24	20 37	0 27	23 6	0 19	20 35	0 8	16 4	0 43	16 54	0 3	19 12	3 51	19 13	19 4	15 40	4 4	3 51					
F 17	21 13	19 50	0 26	22 6	1 42	17 50	5 30	20 45	0 26	23 6	0 18	20 36	0 8	16 5	0 43	16 54	0 3	19 12	3 51	19 13	19 5	15 42	4 4	3 51					
S 18	21 3	17 34	0n52	21 42	1 45	17 46	5 35	20 53	0 25	23 6	0 18	20 37	0 9	16 6	0 43	16 55	0 3	19 12	3 51	19 13	19 5	15 43	4 4	3 51					
S 19	20 52	14 20	2 5	21 16	1 47	17 42	5 39	21 1	0 24	23 6	0 18	20 38	0 9	16 6	0 43	16 55	0 3	19 12	3 51	19 12	19 6	15 45	4 4	3 51					
M20	20 41	10 26	3 10	20 48	1 48	17 39	5 43	21 9	0 24	23 6	0 18	20 39	0 9	16 7	0 43	16 56	0 3	19 12	3 51	19 12	19 7	15 47	4 3	3 52					
T 21	20 30	6 9	4 2	20 18	1 49	17 36	5 46	21 16	0 23	23 6	0 18	20 40	0 9	16 8	0 43	16 56	0 3	19 12	3 51	19 12	19 8	15 49	4 3	3 52					
W22	20 18	1 43	4 41	19 47	1 48	17 33	5 49	21 24	0 22	23 6	0 18	20 41	0 9	16 8	0 43	16 57	0 3	19 12	3 51	19 12	19 8	15 50	4 3	3 52					
T 23	20 6	2s41	5 6	19 14	1 48	17 31	5 51	21 31	0 21	23 6	0 18	20 42	0 9	16 9	0 43	16 57	0 3	19 12	3 51	19 12	19 9	15 52	4 3	3 52					
F 24	19 54	6 53	5 17	18 40	1 46	17 30	5 53	21 38	0 21	23 6	0 18	20 43	0 9	16 10	0 43	16 58	0 3	19 12	3 51	19 12	19 10	15 54	4 2	3 52					
S 25	19 41	10 45	5 13	18 5	1 44	17 29	5 54	21 44	0 20	23 6	0 18	20 44	0 9	16 11	0 43	16 58	0 3	19 11	3 51	19 12	19 11	15 55	4 2	3 52					
S 26	19 28	14 11	4 57	17 29	1 41	17 28	5 54	21 51	0 19	23 6	0 18	20 45	0 9	16 11	0 43	16 59	0 3	19 11	3 51	19 12	19 11	15 57	4 2	3 52					
M27	19 15	17 2	4 27	16 52	1 38	17 28	5 55	21 57	0 18	23 6	0 18	20 46	0 9	16 12	0 43	16 59	0 3	19 11	3 51	19 12	19 12	15 59	4 1	3 52					
T 28	19 1	19 11	3 46	16 14	1 34	17 28	5 55	22 3	0 17	23 5	0 18	20 47	0 9	16 13	0 43	16 59	0 3	19 11	3 51	19 12	19 13	16 1	4 1	3 53					
W29	18 47	20 30	2 55	15 35	1 30	17 28	5 54	22 9	0 17	23 5	0 18	20 47	0 10	16 13	0 43	17 0	0 3	19 11	3 51	19 12	19 14	16 2	4 1	3 53					
T 30	18 33	20 53	1 55	14 56	1 25	17 29	5 53	22 15	0 16	23 5	0 17	20 48	0 10	16 14	0 43	17 0	0 3	19 11	3 51	19 12	19 14	16 4	4 0	3 53					
F 31	18n19	20s15	0n49	14n16	1n20	17n30	5s52	22n20	0s15	23n 5	0s17	20s49	0s10	16s15	0s43	17s 1	0n 3	19n11	3s51	19n12	19n15	16s 6	4n 0	3n53					

ASTRODIENST EPHEMERIS for the year 2167

geocentric

AUGUST 2167

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 37 53	8♂43'06	7♂♂58	27♂11	4♂♂13	15♂♂45	3♂♂49	27°R18	17°R30	12°R25	10♂♂21	4°R10	3♂♂53	2♂♂ 9	1°R 4	S 1
S 2	20 41 49	9°40'27	20°50	28°52	4°28	16°26	4° 1	27♂14	17♂♂28	12♂♂23	10°22	4♂♂ 9	3°50	2°16	1°Y 3	S 2
M 3	20 45 46	10°37'49	3♂♂56	0♂♂31	4°45	17° 7	4°13	27°10	17°25	12°21	10°23	4° 9	3°46	2°22	1° 1	M 3
T 4	20 49 42	11°35'11	17°16	2° 8	5° 5	17°48	4°26	27° 6	17°23	12°20	10°24	4° 8	3°43	2°29	1° 0	T 4
W 5	20 53 39	12°32'35	0°Y50	3°43	5°26	18°28	4°38	27° 1	17°21	12°18	10°26	4° 7	3°40	2°36	0°58	W 5
T 6	20 57 35	13°29'59	14°36	5°17	5°48	19° 9	4°50	26°57	17°18	12°16	10°27	4° 6	3°37	2°42	0°57	T 6
F 7	21 1 32	14°27'25	28°33	6°49	6°13	19°49	5° 2	26°53	17°16	12°15	10°28	4° 5	3°34	2°49	0°55	F 7
S 8	21 5 28	15°24'52	12♂♂39	8°20	6°39	20°30	5°14	26°49	17°13	12°13	10°30	4°D 5	3°30	2°56	0°53	S 8
S 9	21 9 25	16°22'21	26°52	9°48	7° 7	21°10	5°26	26°45	17°11	12°12	10°31	4° 5	3°27	3° 3	0°51	S 9
M10	21 13 22	17°19'51	11♂♂10	11°15	7°36	21°50	5°38	26°41	17° 9	12°10	10°32	4° 6	3°24	3° 9	0°50	M10
T 11	21 17 18	18°17'22	25°30	12°41	8° 7	22°30	5°50	26°37	17° 6	12° 8	10°33	4° 7	3°21	3°16	0°48	T 11
W12	21 21 15	19°14'54	9♂♂48	14° 4	8°39	23°10	6° 2	26°33	17° 4	12° 7	10°35	4° 8	3°18	3°23	0°46	W12
T 13	21 25 11	20°12'28	24° 1	15°25	9°12	23°50	6°14	26°29	17° 1	12° 5	10°36	4° 9	3°15	3°29	0°44	T 13
F 14	21 29 8	21°10'03	8♂♂ 6	16°45	9°47	24°30	6°25	26°25	16°59	12° 3	10°37	4°R 9	3°11	3°36	0°42	F 14
S 15	21 33 4	22° 7'39	21°57	18° 3	10°23	25°10	6°37	26°21	16°57	12° 2	10°38	4° 8	3° 8	3°43	0°40	S 15
S 16	21 37 1	23° 5'16	5♂♂33	19°19	11° 0	25°49	6°48	26°18	16°54	12° 0	10°39	4° 7	3° 5	3°49	0°38	S 16
M17	21 40 57	24° 2'54	18°51	20°33	11°39	26°29	7° 0	26°14	16°52	11°59	10°40	4° 4	3° 2	3°56	0°36	M17
T 18	21 44 54	25° 0'34	1♂♂49	21°45	12°18	27° 8	7°11	26°10	16°50	11°57	10°42	4° 1	2°59	4° 3	0°34	T 18
W19	21 48 51	25°58'14	14°29	22°54	12°59	27°48	7°22	26° 7	16°47	11°56	10°43	3°58	2°56	4°10	0°32	W19
T 20	21 52 47	26°55'56	26°52	24° 2	13°40	28°27	7°33	26° 3	16°45	11°54	10°44	3°55	2°52	4°16	0°29	T 20
F 21	21 56 44	27°53'38	9♂♂ 2	25° 7	14°23	29° 6	7°44	26° 0	16°43	11°52	10°45	3°53	2°49	4°23	0°27	F 21
S 22	22 0 40	28°51'22	21° 1	26° 9	15° 7	29°45	7°55	25°57	16°40	11°51	10°46	3°51	2°46	4°30	0°25	S 22
S 23	22 4 37	29°49'06	2♂♂54	27° 9	15°51	0♂♂24	8° 6	25°53	16°38	11°49	10°47	3°D51	2°43	4°36	0°23	S 23
M24	22 8 33	0♂♂46'52	14°46	28° 7	16°36	1° 3	8°17	25°50	16°36	11°48	10°48	3°52	2°40	4°43	0°20	M24
T 25	22 12 30	1°44'39	26°42	29° 1	17°23	1°42	8°28	25°47	16°33	11°46	10°49	3°53	2°36	4°50	0°18	T 25
W26	22 16 26	2°42'27	8♂♂47	29°53	18°10	2°20	8°38	25°44	16°31	11°45	10°50	3°55	2°33	4°56	0°16	W26
T 27	22 20 23	3°40'17	21° 4	0♂♂41	18°58	2°59	8°49	25°41	16°29	11°43	10°51	3°57	2°30	5° 3	0°13	T 27
F 28	22 24 20	4°38'07	3♂♂37	1°26	19°46	3°37	8°59	25°38	16°27	11°42	10°52	3°R57	2°27	5°10	0°11	F 28
S 29	22 28 16	5°35'59	16°28	2° 8	20°36	4°16	9°10	25°35	16°24	11°40	10°53	3°57	2°24	5°17	0° 8	S 29
S 30	22 32 13	6°33'53	29°39	2°46	21°26	4°54	9°20	25°32	16°22	11°39	10°54	3°54	2°21	5°23	0° 6	S 30
M31	22 36 9	7♂♂31'47	13♂♂10	3♂♂19	22♂♂17	5♂♂32	9♂♂30	25♂♂29	16♂♂20	11♂♂37	10♂♂55	3♂♂51	2♂♂17	5♂♂30	0°Y 3	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	18n 4	18s36	0s21	13n36	1n14	17n31	5s50	22n25	0s14	23n 4	0s17	20s50	0s10	16s16	0s43	17s 1	0n 3	19n11	3s51	19n12	19n16	16s 7	3n59	3n53	
S 2	17 49	15 59	1 31	12 56	1 8	17 32	5 48	22 30	0 13	23 4	0 17	20 51	0 10	16 16	0 43	17 2	0 3	19 11	3 51	19 12	19 17	16 9	3 59	3 53	
M 3	17 33	12 30	2 38	12 15	1 2	17 34	5 46	22 35	0 12	23 4	0 17	20 52	0 10	16 17	0 43	17 2	0 3	19 11	3 51	19 12	19 17	16 11	3 58	3 53	
T 4	17 18	8 21	3 37	11 34	0 55	17 36	5 44	22 40	0 12	23 3	0 17	20 53	0 10	16 18	0 43	17 3	0 3	19 11	3 51	19 12	19 18	16 13	3 58	3 53	
W 5	17 2	3 43	4 25	10 53	0 48	17 37	5 41	22 44	0 11	23 3	0 17	20 54	0 10	16 19	0 43	17 3	0 3	19 10	3 51	19 12	19 19	16 14	3 57	3 53	
T 6	16 45	1n10	4 58	10 12	0 41	17 40	5 38	22 49	0 10	23 3	0 17	20 55	0 10	16 19	0 43	17 4	0 3	19 10	3 51	19 13	19 20	16 16	3 57	3 54	
F 7	16 29	6 2	5 15	9 30	0 33	17 42	5 35	22 53	0 9	23 2	0 17	20 56	0 10	16 20	0 43	17 4	0 3	19 10	3 51	19 13	19 20	16 18	3 56	3 54	
S 8	16 12	10 39	5 13	8 49	0 25	17 44	5 32	22 56	0 8	23 2	0 17	20 57	0 10	16 21	0 43	17 5	0 2	19 10	3 51	19 13	19 21	16 19	3 56	3 54	
S 9	15 55	14 42	4 52	8 8	0 16	17 46	5 28	23 0	0 7	23 2	0 17	20 57	0 10	16 22	0 43	17 5	0 2	19 10	3 51	19 13	19 22	16 21	3 55	3 54	
M10	15 38	17 55	4 13	7 27	0 8	17 48	5 24	23 4	0 6	23 1	0 17	20 58	0 10	16 22	0 43	17 6	0 2	19 10	3 51	19 13	19 23	16 23	3 54	3 54	
T 11	15 20	20 3	3 18	6 47	0s 1	17 50	5 20	23 7	0 5	23 1	0 17	20 59	0 11	16 23	0 43	17 6	0 2	19 10	3 51	19 13	19 23	16 24	3 54	3 54	
W12	15 2	20 53	2 11	6 7	0 10	17 53	5 16	23 10	0 5	23 0	0 17	21 0	0 11	16 24	0 43	17 6	0 2	19 10	3 51	19 12	19 24	16 26	3 53	3 54	
T 13	14 44	20 22	0 56	5 27	0 19	17 55	5 12	23 13	0 4	23 0	0 16	21 1	0 11	16 24	0 43	17 7	0 2	19 10	3 51	19 12	19 25	16 28	3 52	3 54	
F 14	14 26	18 35	0n22	4 47	0 29	17 57	5 7	23 15	0 3	22 59	0 16	21 2	0 11	16 25	0 43	17 7	0 2	19 10	3 51	19 12	19 25	16 29	3 52	3 54	
S 15	14 7	15 42	1 37	4 8	0 38	17 59	5 3	23 18	0 2	22 59	0 16	21 2	0 11	16 26	0 43	17 8	0 2	19 10	3 51	19 12	19 26	16 31	3 51	3 54	
S 16	13 49	12 1	2 45	3 29	0 48	18 0	4 58	23 20	0 1	22 58	0 16	21 3	0 11	16 27	0 43	17 8	0 2	19 9	3 51	19 13	19 27	16 33	3 50	3 54	
M17	13 30	7 49	3 42	2 51	0 58	18 2	4 53	23 22	0 0	22 58	0 16	21 4	0 11	16 27	0 43	17 9	0 2	19 9	3 51	19 13	19 28	16 34	3 49	3 55	
T 18	13 10	3 21	4 26	2 14	1 8	18 4	4 48	23 24	0n 1	22 57	0 16	21 5	0 11	16 28	0 43	17 9	0 2	19 9	3 51	19 14	19 28	16 36	3 49	3 55	
W19	12 51	1s 9	4 56	1 37	1 18	18 5	4 43	23 26	0 2	22 57	0 16	21 5	0 11	16 29	0 43	17 10	0 2	19 9	3 51	19 15	19 29	16 38	3 48	3 55	
T 20	12 31	5 30	5 12	1 1	1 28	18 6	4 38	23 27	0 3	22 56	0 16	21 6	0 11	16 29	0 43	17 10	0 2	19 9	3 51	19 15	19 30	16 39	3 47	3 55	
F 21	12 12	9 33	5 13	0 26	1 38	18 7	4 33	23 29	0 4	22 56	0 16	21 7	0 11	16 30	0 43	17 11	0 2	19 9	3 51	19 16	19 31	16 41	3 46	3 55	
S 22	11 52	13 9	5 0	0s 8	1 48	18 7	4 28	23 30	0 5	22 55	0 16	21 8	0 11	16 31	0 43	17 11	0 2	19 9	3 51	19 16	19 31	16 43	3 45	3 55	
S 23	11 31	16 13	4 35	0 41	1 59	18 8	4 23	23 31	0 6	22 54	0 16	21 8	0 11	16 32	0 43	17 11	0 2	19 9	3 51	19 16	19 32	16 44	3 45	3 55	
M24	11 11	18 37	3 58	1 13	2 9	18 8	4 17	23 31	0 7	22 54	0 16	21 9	0 12	16 32	0 43	17 12	0 2	19 9	3 51	19 16	19 33	16 46	3 44	3 55	
T 25	10 51	20 12	3 10	1 44	2 19	18 8	4 12	23 32	0 8	22 53	0 16	21 10	0 12	16 33	0 43	17 12	0 2	19 9	3 51	19 16	19 34	16 48	3 43	3 55	
W26	10 30	20 54	2 14	2 14	2 29	18 7	4 6	23 32	0 8	22 53	0 16	21 10	0 12	16 34	0 43	17 13	0 2	19 9	3 51	19 15	19 34	16 49	3 42	3 55	
T 27	10 9	20 37	1 10	2 42	2 39	18 6	4 1	23 32	0 9	22 52	0 16	21 11	0 12	16 34	0 43	17 13	0 2	19 8	3 51	19 15	19 35	16 51	3 41	3 55	
F 28	9 48	19 18	0 2	3 9	2 49	18 5	3 55	23 32	0 10	22 51	0 15	21 11	0 12	16 35	0 43	17 14	0 2	19 8	3 51	19 15	19 36	16 53	3 40	3 55	
S 29	9 27	16 58	1s 8	3 35	2 59	18 3	3 50	23 32	0 11	22 51	0 15	21 12	0 12	16 36	0 43	17 14	0 2	19 8	3 51	19 15	19 36	16 54	3 39	3 55	
S 30	9 6	13 42	2 16	3 58	3 8	18 2	3 44	23 32	0 12	22 50	0 15	21 13	0 12	16 36	0 43	17 14	0 2	19 8	3 51	19 16	19 37	16 56	3 38	3 55	
M31	8n44	9s39	3s18	4s20	3s17	17n59	3s38	23n31	0n13	22n49	0s15	21s13	0s12	16s37	0s43	17s15	0n 2	19n 8	3s51	19n16	19n38	16s57	3n37	3n55	

ASTRODIENST EPHEMERIS for the year 2167
geocentric

SEPTEMBER 2167

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 40 6	8 ^h 29'44"	26 ^h 57'	3 ^h 49'	23 ^h 58'	6 ^h 10'	9 ^h 40'	25°R27	16°R18	11°R36	10 ^h 56'	3°R46	2 ^h 14'	5 ^h 37'	0°R 1	T 1
W 2	22 44 2	9°27'42"	10 ^h Y'58	4°14'	24° 0'	6°48'	9°50'	25 ^h 24'	16 ^h 16'	11 ^h 35'	10°56'	3 ^h 40'	2°11'	5°43'	29 ^h 58'	W 2
T 3	22 47 59	10°25'41"	25° 8'	4°34'	24°53'	7°26'	10° 0'	25°22'	16°13'	11°33'	10°57'	3°35'	2° 8'	5°50'	29°56'	T 3
F 4	22 51 55	11°23'43"	9 ^h 8'24"	4°49'	25°47'	8° 3'	10° 9'	25°19'	16°11'	11°32'	10°58'	3°31'	2° 5'	5°57'	29°53'	F 4
S 5	22 55 52	12°21'46"	23°40'	4°59'	26°41'	8°41'	10°19'	25°17'	16° 9'	11°31'	10°59'	3°28'	2° 2'	6° 3'	29°51'	S 5
S 6	22 59 48	13°19'52"	7 ^h II'55	5°R 3'	27°35'	9°18'	10°28'	25°15'	16° 7'	11°29'	11° 0'	3°D26'	1°58'	6°10'	29°48'	S 6
M 7	23 3 45	14°17'59"	22° 5'	5° 1'	28°30'	9°56'	10°38'	25°12'	16° 5'	11°28'	11° 1'	3°26'	1°55'	6°17'	29°45'	M 7
T 8	23 7 42	15°16'09"	6 ^h 58' 8	4°53'	29°26'	10°33'	10°47'	25°10'	16° 3'	11°27'	11° 1'	3°27'	1°52'	6°24'	29°43'	T 8
W 9	23 11 38	16°14'21"	20° 4'	4°39'	0 ^h 22'	11°10'	10°56'	25° 8'	16° 1'	11°25'	11° 2'	3°29'	1°49'	6°30'	29°40'	W 9
T 10	23 15 35	17°12'34"	3 ^h 25' 2	4°19'	1°19'	11°47'	11° 5'	25° 7'	15°59'	11°24'	11° 3'	3°R29'	1°46'	6°37'	29°37'	T 10
F 11	23 19 31	18°10'49"	17°30'	3°52'	2°16'	12°24'	11°14'	25° 5'	15°57'	11°23'	11° 3'	3°28'	1°42'	6°44'	29°35'	F 11
S 12	23 23 28	19° 9'07"	0 ^h 57' 5	3°18'	3°14'	13° 1'	11°23'	25° 3'	15°55'	11°22'	11° 4'	3°25'	1°39'	6°50'	29°32'	S 12
S 13	23 27 24	20° 7'26"	14°12'	2°39'	4°12'	13°37'	11°31'	25° 1'	15°54'	11°20'	11° 5'	3°20'	1°36'	6°57'	29°29'	S 13
M14	23 31 21	21° 5'47"	27°14'	1°53'	5°11'	14°14'	11°40'	25° 0'	15°52'	11°19'	11° 5'	3°13'	1°33'	7° 4'	29°26'	M14
T 15	23 35 17	22° 4'09"	10 ^h 1' 1	1° 3'	6°10'	14°50'	11°48'	24°58'	15°50'	11°18'	11° 6'	3° 4'	1°30'	7°10'	29°24'	T 15
W16	23 39 14	23° 2'34"	22°34'	0° 7'	7° 9'	15°27'	11°57'	24°57'	15°48'	11°17'	11° 7'	2°55'	1°27'	7°17'	29°21'	W16
T 17	23 43 11	24° 1'00"	4 ^h 15' 3	29 ^h 8' 8	8° 9'	16° 3'	12° 5'	24°56'	15°47'	11°16'	11° 7'	2°47'	1°23'	7°24'	29°18'	T 17
F 18	23 47 7	24°59'28"	16°59'	28° 7'	9° 9'	16°39'	12°13'	24°55'	15°45'	11°15'	11° 8'	2°39'	1°20'	7°31'	29°15'	F 18
S 19	23 51 4	25°57'57"	28°57'	27° 5'	10°10'	17°15'	12°20'	24°54'	15°43'	11°14'	11° 8'	2°33'	1°17'	7°37'	29°12'	S 19
S 20	23 55 0	26°56'28"	10 ^h 14' 8	26° 2'	11°11'	17°50'	12°28'	24°53'	15°42'	11°13'	11° 9'	2°30'	1°14'	7°44'	29°10'	S 20
M21	23 58 57	27°55'01"	22°39'	25° 1'	12°12'	18°26'	12°36'	24°52'	15°40'	11°12'	11° 9'	2°D28'	1°11'	7°51'	29° 7'	M21
T 22	0 2 53	28°53'36"	4 ^h 33' 3	24° 4'	13°14'	19° 1'	12°43'	24°51'	15°38'	11°11'	11°10'	2°28'	1° 7'	7°57'	29° 4'	T 22
W23	0 6 50	29°52'12"	16°36'	23°11'	14°16'	19°37'	12°50'	24°50'	15°37'	11°10'	11°10'	2°29'	1° 4'	8° 4'	29° 1'	W23
T 24	0 10 46	0 ^h 50'50"	28°54'	22°25'	15°18'	20°12'	12°58'	24°50'	15°35'	11° 9'	11°11'	2°R30'	1° 1'	8°11'	28°58'	T 24
F 25	0 14 43	1°49'29"	11 ^h 31' 1	21°45'	16°21'	20°47'	13° 5'	24°49'	15°34'	11° 8'	11°11'	2°29'	0°58'	8°17'	28°56'	F 25
S 26	0 18 40	2°48'10"	24°30'	21°14'	17°24'	21°22'	13°11'	24°49'	15°33'	11° 7'	11°11'	2°27'	0°55'	8°24'	28°53'	S 26
S 27	0 22 36	3°46'53"	7 ^h 54' 5	20°52'	18°27'	21°56'	13°18'	24°49'	15°31'	11° 6'	11°12'	2°22'	0°52'	8°31'	28°50'	S 27
M28	0 26 33	4°45'38"	21°42'	20°40'	19°31'	22°31'	13°25'	24°48'	15°30'	11° 6'	11°12'	2°15'	0°48'	8°37'	28°47'	M28
T 29	0 30 29	5°44'24"	5 ^h Y'53	20°D37'	20°35'	23° 5'	13°31'	24°D48'	15°29'	11° 5'	11°12'	2° 6'	0°45'	8°44'	28°45'	T 29
W30	0 34 26	6 ^h 43'13"	20°Y'21	20 ^h 45'	21 ^h 39'	23 ^h 40'	13 ^h 37'	24 ^h 348'	15 ^h 27'	11 ^h 34'	11 ^h 13'	1 ^h 56'	0 ^h 42'	8 ^h 51'	28 ^h 42'	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	decl	lat	
T 1	8n23	5s 1	4s 9	4s40	3s26	17n57	3s32	23n31	0n14	22n49	0s15	21s14	0s12	16s38	0s43	17s15	0n 2	19n 8	3s51	19n18	19n39	16s59	3n36	3n55						
W 2	8 1	0 4	4 47	4 58	3 35	17 54	3 27	23 30	0 15	22 48	0 15	21 14	0 12	16 38	0 43	17 16	0 2	19 8	3 51	19 19	19 39	17 1	3 35	3 55						
T 3	7 39	4n57	5 7	5 13	3 42	17 50	3 21	23 29	0 16	22 47	0 15	21 15	0 12	16 39	0 43	17 16	0 2	19 8	3 51	19 20	19 40	17 2	3 34	3 55						
F 4	7 17	9 43	5 9	5 26	3 50	17 46	3 15	23 28	0 17	22 47	0 15	21 15	0 12	16 39	0 43	17 16	0 2	19 8	3 51	19 21	19 41	17 4	3 33	3 55						
S 5	6 55	13 58	4 51	5 36	3 57	17 42	3 9	23 26	0 18	22 46	0 15	21 16	0 12	16 40	0 43	17 17	0 2	19 8	3 51	19 22	19 41	17 6	3 32	3 55						
S 6	6 33	17 23	4 16	5 43	4 3	17 38	3 3	23 25	0 19	22 45	0 15	21 16	0 12	16 41	0 43	17 17	0 2	19 8	3 51	19 22	19 42	17 7	3 31	3 55						
M 7	6 10	19 46	3 26	5 47	4 8	17 32	2 58	23 23	0 21	22 45	0 15	21 17	0 13	16 41	0 43	17 17	0 2	19 7	3 51	19 22	19 43	17 9	3 30	3 55						
T 8	5 48	20 54	2 23	5 48	4 12	17 27	2 52	23 21	0 22	22 44	0 15	21 17	0 13	16 42	0 43	17 18	0 2	19 7	3 51	19 22	19 44	17 10	3 29	3 55						
W 9	5 25	20 44	1 12	5 45	4 15	17 21	2 46	23 19	0 23	22 43	0 15	21 18	0 13	16 42	0 43	17 18	0 2	19 7	3 51	19 22	19 44	17 12	3 28	3 55						
T 10	5 3	19 18	0n 2	5 39	4 17	17 15	2 40	23 17	0 24	22 43	0 15	21 18	0 13	16 43	0 43	17 19	0 2	19 7	3 51	19 21	19 45	17 14	3 27	3 55						
F 11	4 40	16 46	1 15	5 28	4 18	17 8	2 34	23 15	0 25	22 42	0 15	21 18	0 13	16 44	0 43	17 19	0 2	19 7	3 51	19 22	19 46	17 15	3 26	3 55						
S 12	4 17	13 21	2 23	5 14	4 17	17 0	2 28	23 13	0 26	22 41	0 14	21 19	0 13	16 44	0 43	17 19	0 2	19 7	3 51	19 22	19 46	17 17	3 25	3 55						
S 13	3 55	9 19	3 22	4 56	4 14	16 53	2 23	23 10	0 27	22 41	0 14	21 19	0 13	16 45	0 43	17 20	0 2	19 7	3 51	19 23	19 47	17 18	3 23	3 55						
M14	3 32	4 54	4 9	4 34	4 10	16 44	2 17	23 7	0 28	22 40	0 14	21 19	0 13	16 45	0 43	17 20	0 2	19 7	3 51	19 25	19 48	17 20	3 22	3 55						
T 15	3 9	0 22	4 42	4 8	4 3	16 36	2 11	23 4	0 29	22 39	0 14	21 20	0 13	16 46	0 43	17 20	0 2	19 7	3 51	19 27	19 48	17 22	3 21	3 55						
W16	2 46	4s 6	5 1	3 39	3 55	16 27	2 5	23 1	0 30	22 39	0 14	21 20	0 13	16 46	0 43	17 21	0 2	19 7	3 51	19 29	19 49	17 23	3 20	3 55						
T 17	2 22	8 19	5 6	3 6	3 45	16 17	2 0	22 58	0 31	22 38	0 14	21 20	0 13	16 47	0 43	17 21	0 2	19 7	3 51	19 31	19 50	17 25	3 19	3 55						
F 18	1 59	12 9	4 57	2 31	3 33	16 7	1 54	22 55	0 32	22 37	0 14	21 21	0 13	16 47	0 43	17 21	0 2	19 7	3 51	19 33	19 51	17 26	3 18	3 55						
S 19	1 36	15 26	4 35	1 53	3 19	15 56	1 48	22 52	0 33	22 37	0 14	21 21	0 13	16 48	0 43	17 22	0 2	19 6	3 51	19 34	19 51	17 28	3 17	3 55						
S 20	1 13	18 4	4 1	1 14	3 4	15 45	1 43	22 48	0 35	22 36	0 14	21 21	0 13	16 48	0 43	17 22	0 2	19 6	3 51	19 35	19 52	17 29	3 15	3 55						
M21	0 50	19 56	3 17	0 34	2 47	15 34	1 37	22 44	0 36	22 35	0 14	21 21	0 13	16 49	0 43	17 22	0 2	19 6	3 51	19 35	19 53	17 31	3 14	3 55						
T 22	0 26	20 56	2 24	0n 5	2 28	15 22	1 31	22 41	0 37	22 35	0 14	21 22	0 14	16 49	0 43	17 22	0 2	19 6	3 51	19 35	19 53	17 33	3 13	3 55						
W23	0 3	21 0	1 24	0 43	2 9	15 10	1 26	22 37	0 38	22 34	0 14	21 22	0 14	16 49	0 43	17 23	0 2	19 6	3 51	19 35	19 54	17 34	3 12	3 55						
T 24	0s20	20 3	0 19	1 20	1 49	14 57	1 20	22 33	0 39	22 34	0 14	21 22	0 14	16 50	0 43	17 23	0 2	19 6	3 51	19 35	19 55	17 36	3 11	3 54						
F 25	0 44	18 5	0s48	1 54	1 29	14 44	1 15	22 29	0 40	22 33	0 14	21 22	0 14	16 50	0 43	17 23	0 2	19 6	3 52	19 35	19 55	17 37	3 10	3 54						
S 26	1 7	15 9	1 55	2 25	1 9	14 30	1 10	22 24	0 41	22 32	0 13	21 22	0 14	16 51	0 43	17 23	0 2	19 6	3 52	19 36	19 56	17 39	3 8	3 54						
S 27	1 30	11 20	2 57	2 51	0 50	14 16	1 4	22 20	0 43	22 32	0 13	21 22	0 14	16 51	0 43	17 24	0 2	19 6	3 52	19 37	19 57	17 40	3 7	3 54						
M28	1 53	6 49	3 51	3 14	0 30	14 1	0 59	22 16	0 44	22 31	0 13	21 22	0 14	16 51	0 43	17 24	0 2	19 6	3 52	19 38	19 57	17 42	3 6	3 54						
T 29	2 17	1 50	4 32	3 32	0 12	14 46	0 54	22 11	0 45	22 31	0 13	21 22	0 14	16 52	0 43	17 24	0 2	19 6	3 52	19 40	19 58	17 44	3 5	3 54						
W30	2s40	3n22	4s57	3n45	0n 6	13n31	0s49	22n 6	0n46	22n30	0s13	21s23	0s14	16s52	0s43	17s24	0n 2	19n 6	3s52	19n43	19n59	17s45	3n 4	3n54						

ASTRODIENST EPHEMERIS for the year 2167
geocentric

OCTOBER 2167

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 38 22	7 ^h 42 ^m 04 ^s	5 ^h 8 ^m 0 ^s	21 ^h 1 ^m 3 ^s	22 ^h 04 ^m 3 ^s	24 ^h 14 ^m 13 ^s	13 ^h 53 ^m 43 ^s	24 ^h 34 ^m 9 ^s	15 ^h 26 ^m 11 ^s	11 ^h 13 ^m 11 ^s	11 ^h 13 ^m 11 ^s	1 ^h 46 ^m 0 ^s	0 ^h 39 ^m 8 ^s	8 ^h 58 ^m 28 ^s	28 ^h 39 ^m 1 ^s	T 1
F 2	0 42 19	8 ^h 40 ^m 57 ^s	19 ^h 41 ^m 21 ^s	21 ^h 30 ^m 23 ^s	23 ^h 48 ^m 24 ^s	24 ^h 48 ^m 13 ^s	13 ^h 49 ^m 24 ^s	24 ^h 49 ^m 15 ^s	15 ^h 22 ^m 11 ^s	11 ^h 13 ^m 11 ^s	11 ^h 13 ^m 11 ^s	1 ^h 38 ^m 0 ^s	0 ^h 36 ^m 9 ^s	9 ^h 4 ^m 28 ^s	28 ^h 36 ^m 5 ^s	F 2
S 3	0 46 15	9 ^h 39 ^m 52 ^s	4 ^h 11 ^m 18 ^s	22 ^h 7 ^m 24 ^s	24 ^h 53 ^m 25 ^s	25 ^h 22 ^m 13 ^s	13 ^h 55 ^m 24 ^s	24 ^h 49 ^m 15 ^s	15 ^h 24 ^m 11 ^s	11 ^h 13 ^m 11 ^s	11 ^h 13 ^m 11 ^s	1 ^h 31 ^m 0 ^s	0 ^h 33 ^m 9 ^s	9 ^h 11 ^m 28 ^s	28 ^h 34 ^m 3 ^s	S 3
S 4	0 50 12	10 ^h 38 ^m 49 ^s	18 ^h 45 ^m 22 ^s	22 ^h 53 ^m 25 ^s	25 ^h 59 ^m 25 ^s	25 ^h 55 ^m 14 ^s	14 ^h 1 ^m 24 ^s	24 ^h 49 ^m 15 ^s	15 ^h 23 ^m 11 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	1 ^h 27 ^m 0 ^s	0 ^h 29 ^m 9 ^s	9 ^h 18 ^m 28 ^s	28 ^h 31 ^m 5 ^s	S 4
M 5	0 54 9	11 ^h 37 ^m 49 ^s	2 ^h 59 ^m 23 ^s	23 ^h 47 ^m 27 ^s	27 ^h 4 ^m 26 ^s	26 ^h 29 ^m 14 ^s	14 ^h 6 ^m 24 ^s	24 ^h 50 ^m 15 ^s	15 ^h 22 ^m 11 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	1 ^h 25 ^m 0 ^s	0 ^h 26 ^m 9 ^s	9 ^h 24 ^m 28 ^s	28 ^h 28 ^m 5 ^s	M 5
T 6	0 58 5	12 ^h 36 ^m 51 ^s	16 ^h 58 ^m 24 ^s	24 ^h 48 ^m 28 ^s	28 ^h 10 ^m 27 ^s	27 ^h 2 ^m 14 ^s	14 ^h 11 ^m 24 ^s	24 ^h 51 ^m 15 ^s	15 ^h 21 ^m 11 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	1 ^h 25 ^m 0 ^s	0 ^h 23 ^m 9 ^s	9 ^h 31 ^m 28 ^s	28 ^h 26 ^m 7 ^s	T 6
W 7	1 2 2	13 ^h 35 ^m 56 ^s	0 ^h 41 ^m 25 ^s	25 ^h 56 ^m 29 ^s	29 ^h 16 ^m 27 ^s	27 ^h 35 ^m 14 ^s	14 ^h 16 ^m 24 ^s	24 ^h 51 ^m 15 ^s	15 ^h 20 ^m 11 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	1 ^h 25 ^m 0 ^s	0 ^h 20 ^m 9 ^s	9 ^h 38 ^m 28 ^s	28 ^h 23 ^m 5 ^s	W 7
T 8	1 5 58	14 ^h 35 ^m 02 ^s	14 ^h 11 ^m 27 ^s	27 ^h 10 ^m 0 ^s	0 ^h 22 ^m 28 ^s	28 ^h 8 ^m 14 ^s	14 ^h 21 ^m 24 ^s	24 ^h 52 ^m 15 ^s	15 ^h 19 ^m 10 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	1 ^h 25 ^m 0 ^s	0 ^h 17 ^m 9 ^s	9 ^h 44 ^m 28 ^s	28 ^h 20 ^m 7 ^s	T 8
F 9	1 9 55	15 ^h 34 ^m 11 ^s	27 ^h 27 ^m 28 ^s	28 ^h 30 ^m 1 ^s	1 ^h 29 ^m 28 ^s	28 ^h 41 ^m 14 ^s	14 ^h 26 ^m 24 ^s	24 ^h 53 ^m 15 ^s	15 ^h 18 ^m 10 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	1 ^h 22 ^m 0 ^s	0 ^h 13 ^m 9 ^s	9 ^h 51 ^m 28 ^s	28 ^h 18 ^m 5 ^s	F 9
S 10	1 13 51	16 ^h 33 ^m 22 ^s	10 ^h 32 ^m 29 ^s	29 ^h 54 ^m 2 ^s	2 ^h 35 ^m 29 ^s	29 ^h 14 ^m 14 ^s	14 ^h 31 ^m 24 ^s	24 ^h 54 ^m 15 ^s	15 ^h 18 ^m 10 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	1 ^h 17 ^m 0 ^s	0 ^h 10 ^m 9 ^s	9 ^h 58 ^m 28 ^s	28 ^h 15 ^m 5 ^s	S 10
S 11	1 17 48	17 ^h 32 ^m 36 ^s	23 ^h 26 ^m 1 ^s	3 ^h 42 ^m 29 ^s	3 ^h 42 ^m 29 ^s	29 ^h 46 ^m 14 ^s	14 ^h 35 ^m 24 ^s	24 ^h 55 ^m 15 ^s	15 ^h 17 ^m 10 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	1 ^h 9 ^m 0 ^s	0 ^h 7 ^m 10 ^s	10 ^h 4 ^m 28 ^s	28 ^h 12 ^m 5 ^s	S 11
M 12	1 21 44	18 ^h 31 ^m 51 ^s	6 ^h 8 ^m 2 ^s	2 ^h 54 ^m 4 ^s	4 ^h 50 ^m 0 ^s	0 ^h 18 ^m 14 ^s	14 ^h 39 ^m 24 ^s	24 ^h 56 ^m 15 ^s	15 ^h 16 ^m 10 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	0 ^h 58 ^m 0 ^s	0 ^h 4 ^m 10 ^s	10 ^h 11 ^m 28 ^s	28 ^h 10 ^m 5 ^s	M 12
T 13	1 25 41	19 ^h 31 ^m 09 ^s	18 ^h 40 ^m 4 ^s	4 ^h 28 ^m 5 ^s	5 ^h 57 ^m 0 ^s	0 ^h 50 ^m 14 ^s	14 ^h 43 ^m 24 ^s	24 ^h 58 ^m 15 ^s	15 ^h 16 ^m 10 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	0 ^h 45 ^m 0 ^s	0 ^h 1 ^m 10 ^s	10 ^h 18 ^m 28 ^s	28 ^h 7 ^m 5 ^s	T 13
W 14	1 29 37	20 ^h 30 ^m 28 ^s	1 ^h 1 ^m 6 ^s	6 ^h 5 ^m 7 ^s	7 ^h 4 ^m 1 ^s	1 ^h 22 ^m 14 ^s	14 ^h 47 ^m 24 ^s	24 ^h 59 ^m 15 ^s	15 ^h 15 ^m 10 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	0 ^h 31 ^m 29 ^s	0 ^h 58 ^m 10 ^s	10 ^h 25 ^m 28 ^s	28 ^h 5 ^m 5 ^s	W 14
T 15	1 33 34	21 ^h 29 ^m 50 ^s	13 ^h 12 ^m 7 ^s	7 ^h 44 ^m 8 ^s	8 ^h 12 ^m 1 ^s	1 ^h 54 ^m 14 ^s	14 ^h 51 ^m 25 ^s	1 ^h 15 ^m 15 ^s	15 ^h 14 ^m 10 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	0 ^h 17 ^m 29 ^s	0 ^h 54 ^m 10 ^s	10 ^h 31 ^m 28 ^s	28 ^h 2 ^m 5 ^s	T 15
F 16	1 37 31	22 ^h 29 ^m 14 ^s	25 ^h 13 ^m 9 ^s	9 ^h 24 ^m 9 ^s	9 ^h 20 ^m 2 ^s	2 ^h 25 ^m 14 ^s	14 ^h 55 ^m 25 ^s	1 ^h 15 ^m 15 ^s	15 ^h 14 ^m 10 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	0 ^h 5 ^m 29 ^s	0 ^h 51 ^m 10 ^s	10 ^h 38 ^m 28 ^s	28 ^h 0 ^m 5 ^s	F 16
S 17	1 41 27	23 ^h 28 ^m 39 ^s	7 ^h 7 ^m 11 ^s	11 ^h 5 ^m 10 ^s	10 ^h 28 ^m 2 ^s	2 ^h 57 ^m 14 ^s	14 ^h 58 ^m 25 ^s	1 ^h 15 ^m 15 ^s	15 ^h 14 ^m 10 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	29 ^h 55 ^m 29 ^s	29 ^h 48 ^m 10 ^s	10 ^h 45 ^m 27 ^s	27 ^h 57 ^m 5 ^s	S 17
S 18	1 45 24	24 ^h 28 ^m 07 ^s	18 ^h 56 ^m 12 ^s	12 ^h 47 ^m 11 ^s	11 ^h 37 ^m 3 ^s	3 ^h 28 ^m 15 ^s	15 ^h 1 ^m 25 ^s	1 ^h 15 ^m 15 ^s	15 ^h 13 ^m 10 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	29 ^h 48 ^m 29 ^s	29 ^h 45 ^m 10 ^s	10 ^h 51 ^m 27 ^s	27 ^h 55 ^m 5 ^s	S 18
M 19	1 49 20	25 ^h 27 ^m 36 ^s	0 ^h 34 ^m 14 ^s	14 ^h 30 ^m 12 ^s	12 ^h 45 ^m 3 ^s	3 ^h 59 ^m 15 ^s	15 ^h 4 ^m 25 ^s	1 ^h 15 ^m 15 ^s	15 ^h 13 ^m 10 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	29 ^h 44 ^m 29 ^s	29 ^h 42 ^m 10 ^s	10 ^h 58 ^m 27 ^s	27 ^h 52 ^m 5 ^s	M 19
T 20	1 53 17	26 ^h 27 ^m 07 ^s	12 ^h 36 ^m 16 ^s	16 ^h 13 ^m 13 ^s	13 ^h 54 ^m 4 ^s	4 ^h 29 ^m 15 ^s	15 ^h 7 ^m 25 ^s	1 ^h 15 ^m 15 ^s	15 ^h 13 ^m 10 ^s	11 ^h 14 ^m 1 ^s	11 ^h 14 ^m 1 ^s	29 ^h 42 ^m 29 ^s	29 ^h 39 ^m 11 ^s	11 ^h 5 ^m 27 ^s	27 ^h 50 ^m 5 ^s	T 20
W 21	1 57 13	27 ^h 26 ^m 40 ^s	24 ^h 36 ^m 17 ^s	17 ^h 56 ^m 15 ^s	15 ^h 3 ^m 5 ^s	5 ^h 0 ^m 15 ^s	15 ^h 9 ^m 25 ^s	1 ^h 15 ^m 15 ^s	15 ^h 12 ^m 10 ^s	11 ^h 13 ^m 11 ^s	11 ^h 13 ^m 11 ^s	29 ^h 41 ^m 29 ^s	29 ^h 35 ^m 11 ^s	11 ^h 11 ^m 27 ^s	27 ^h 48 ^m 5 ^s	W 21
T 22	2 1 10	28 ^h 26 ^m 14 ^s	6 ^h 50 ^m 19 ^s	19 ^h 39 ^m 16 ^s	16 ^h 12 ^m 5 ^s	5 ^h 30 ^m 15 ^s	15 ^h 12 ^m 25 ^s	1 ^h 15 ^m 15 ^s	15 ^h 12 ^m 10 ^s	11 ^h 13 ^m 11 ^s	11 ^h 13 ^m 11 ^s	29 ^h 41 ^m 29 ^s	29 ^h 32 ^m 11 ^s	11 ^h 18 ^m 27 ^s	27 ^h 45 ^m 5 ^s	T 22
F 23	2 5 6	29 ^h 25 ^m 51 ^s	19 ^h 24 ^m 21 ^s	21 ^h 22 ^m 17 ^s	17 ^h 21 ^m 6 ^s	6 ^h 0 ^m 15 ^s	15 ^h 14 ^m 25 ^s	1 ^h 15 ^m 15 ^s	15 ^h 12 ^m 10 ^s	10 ^h D55 ^m 11 ^s	11 ^h 13 ^m 29 ^s	29 ^h 41 ^m 29 ^s	29 ^h 29 ^m 11 ^s	11 ^h 25 ^m 27 ^s	27 ^h 43 ^m 5 ^s	F 23
S 24	2 9 3	0 ^h 12 ^m 25 ^s	2 ^h 22 ^m 23 ^s	23 ^h 5 ^m 18 ^s	18 ^h 30 ^m 6 ^s	6 ^h 29 ^m 15 ^s	15 ^h 16 ^m 25 ^s	1 ^h 15 ^m 15 ^s	15 ^h 12 ^m 10 ^s	11 ^h 13 ^m 29 ^s	11 ^h 13 ^m 29 ^s	29 ^h 38 ^m 29 ^s	29 ^h 26 ^m 11 ^s	11 ^h 31 ^m 27 ^s	27 ^h 41 ^m 5 ^s	S 24
S 25	2 13 0	1 ^h 25 ^m 08 ^s	15 ^h 48 ^m 24 ^s	24 ^h 48 ^m 19 ^s	19 ^h 40 ^m 6 ^s	6 ^h 59 ^m 15 ^s	15 ^h 18 ^m 25 ^s	1 ^h 15 ^m 15 ^s	15 ^h D12 ^m 10 ^s	11 ^h 12 ^m 11 ^s	11 ^h 12 ^m 11 ^s	29 ^h 33 ^m 29 ^s	29 ^h 23 ^m 11 ^s	11 ^h 38 ^m 27 ^s	27 ^h 39 ^m 5 ^s	S 25
M 26	2 16 56	2 ^h 24 ^m 50 ^s	29 ^h 43 ^m 26 ^s	26 ^h 30 ^m 20 ^s	20 ^h 49 ^m 7 ^s	7 ^h 28 ^m 15 ^s	15 ^h 19 ^m 25 ^s	1 ^h 15 ^m 15 ^s	15 ^h 12 ^m 10 ^s	11 ^h 12 ^m 11 ^s	11 ^h 12 ^m 11 ^s	29 ^h 25 ^m 29 ^s	29 ^h 19 ^m 11 ^s	11 ^h 45 ^m 27 ^s	27 ^h 37 ^m 5 ^s	M 26
T 27	2 20 53	3 ^h 24 ^m 33 ^s	14 ^h 7 ^m 6 ^s	28 ^h 12 ^m 21 ^s	21 ^h 59 ^m 7 ^s	7 ^h 57 ^m 15 ^s	15 ^h 21 ^m 25 ^s	1 ^h 15 ^m 15 ^s	15 ^h 12 ^m 10 ^s	11 ^h 12 ^m 11 ^s	11 ^h 12 ^m 11 ^s	29 ^h 15 ^m 29 ^s	29 ^h 16 ^m 11 ^s	11 ^h 51 ^m 27 ^s	27 ^h 34 ^m 5 ^s	T 27
W 28	2 24 49	4 ^h 24 ^m 18 ^s	28 ^h 52 ^m 29 ^s	29 ^h 54 ^m 23 ^s	23 ^h 9 ^m 8 ^s	8 ^h 26 ^m 15 ^s	15 ^h 22 ^m 25 ^s	1 ^h 15 ^m 15 ^s	15 ^h 12 ^m 10 ^s	11 ^h 11 ^m 29 ^s	11 ^h 11 ^m 29 ^s	29 ^h 3 ^m 29 ^s	29 ^h 13 ^m 11 ^s	11 ^h 58 ^m 27 ^s	27 ^h 32 ^m 5 ^s	W 28
T 29	2 28 46	5 ^h 24 ^m 05 ^s	13 ^h 52 ^m 1 ^s	1 ^h 35 ^m 24 ^s	24 ^h 19 ^s	8<										

ASTRODIENST EPHEMERIS for the year 2167

geocentric

NOVEMBER 2167

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 40 35	8♉23°38'	28♊46'	6♋35'	27♌50'	10♍19'	15♎25'	25♏41'	15♐13'	10♑56'	11°R10	28°R28	29°0	12♒25'	27°R24	S 1
M 2	2 44 32	9°23'34"	13♋15'	8°14'	29° 1'	10°46'	15°25'	25°44'	15°13'	10°57'	11°9	28°26	28°57'	12°32'	27♋22'	M 2
T 3	2 48 29	10°23'32"	27°21'	9°53'	0♌12'	11°14'	15°R25	25°47'	15°14'	10°57'	11° 9	28°D25	28°54'	12°38'	27°21'	T 3
W 4	2 52 25	11°23'31"	11♌ 5'	11°31'	1°23'	11°41'	15°25'	25°51'	15°14'	10°58'	11° 8	28°R25	28°51'	12°45'	27°19'	W 4
T 5	2 56 22	12°23'33"	24°29'	13° 8'	2°34'	12° 7'	15°25'	25°54'	15°15'	10°58'	11° 8	28°25	28°48'	12°52'	27°17'	T 5
F 6	3 0 18	13°23'37"	7♌34'	14°46'	3°45'	12°34'	15°24'	25°58'	15°15'	10°58'	11° 7	28°22	28°44'	12°58'	27°15'	F 6
S 7	3 4 15	14°23'44"	20°24'	16°23'	4°56'	13° 0'	15°23'	26° 1'	15°16'	10°59'	11° 7	28°18	28°41'	13° 5'	27°14'	S 7
S 8	3 8 11	15°23'52"	3♌ 1'	17°59'	6° 8'	13°26'	15°22'	26° 5'	15°17'	10°59'	11° 6	28°10	28°38'	13°12'	27°12'	S 8
M 9	3 12 8	16°24'02"	15°27'	19°35'	7°19'	13°51'	15°21'	26° 9'	15°17'	11° 0	11° 5	27°59	28°35'	13°18'	27°10'	M 9
T 10	3 16 4	17°24'14"	27°44'	21°10'	8°31'	14°16'	15°20'	26°13'	15°18'	11° 1	11° 5	27°47	28°32'	13°25'	27° 9'	T 10
W11	3 20 1	18°24'28"	9♌52'	22°46'	9°42'	14°41'	15°18'	26°17'	15°19'	11° 1	11° 4	27°33	28°29'	13°32'	27° 7'	W11
T 12	3 23 58	19°24'44"	21°54'	24°20'	10°54'	15° 5'	15°16'	26°21'	15°20'	11° 2	11° 3	27°20	28°25'	13°38'	27° 6'	T 12
F 13	3 27 54	20°25'02"	3♌49'	25°55'	12° 6'	15°30'	15°14'	26°25'	15°21'	11° 2	11° 3	27° 8	28°22'	13°45'	27° 5'	F 13
S 14	3 31 51	21°25'21"	15°39'	27°29'	13°18'	15°53'	15°12'	26°29'	15°22'	11° 3	11° 2	26°59	28°19'	13°52'	27° 3'	S 14
S 15	3 35 47	22°25'42"	27°27'	29° 3'	14°30'	16°17'	15°10'	26°33'	15°23'	11° 4	11° 1	26°52	28°16'	13°59'	27° 2'	S 15
M16	3 39 44	23°26'05"	9♌15'	0♌36'	15°43'	16°40'	15° 7'	26°38'	15°24'	11° 5	11° 0	26°48	28°13'	14° 5'	27° 1'	M16
T 17	3 43 40	24°26'29"	21° 6'	2°10'	16°55'	17° 3'	15° 5'	26°42'	15°25'	11° 6	11° 0	26°46	28°10'	14°12'	27° 0'	T 17
W18	3 47 37	25°26'54"	3♌ 5'	3°43'	18° 7'	17°25'	15° 2'	26°47'	15°26'	11° 6	10°59	26°D46	28° 6'	14°19'	26°58'	W18
T 19	3 51 33	26°27'21"	15°17'	5°15'	19°20'	17°47'	14°58'	26°51'	15°27'	11° 7	10°58	26°47	28° 3'	14°25'	26°57'	T 19
F 20	3 55 30	27°27'49"	27°46'	6°48'	20°32'	18° 9'	14°55'	26°56'	15°29'	11° 8	10°57	26°R47	28° 0'	14°32'	26°56'	F 20
S 21	3 59 27	28°28'18"	10♌38'	8°20'	21°45'	18°30'	14°52'	27° 1'	15°30'	11° 9	10°56	26°46	27°57'	14°39'	26°55'	S 21
S 22	4 3 23	29°28'49"	23°58'	9°52'	22°58'	18°51'	14°48'	27° 5'	15°31'	11°10	10°56	26°43	27°54'	14°45'	26°54'	S 22
M23	4 7 20	0♌29°20'	7♌46'	11°23'	24°10'	19°11'	14°44'	27°10'	15°33'	11°11	10°55	26°38	27°50'	14°52'	26°54'	M23
T 24	4 11 16	1°29'53"	22° 5'	12°55'	25°23'	19°31'	14°40'	27°15'	15°34'	11°12	10°54	26°31	27°47'	14°59'	26°53'	T 24
W25	4 15 13	2°30'28"	6♌51'	14°26'	26°36'	19°50'	14°36'	27°20'	15°36'	11°13	10°53	26°23	27°44'	15° 5'	26°52'	W25
T 26	4 19 9	3°31'03"	21°58'	15°57'	27°49'	20° 9'	14°31'	27°25'	15°37'	11°14	10°52	26°14	27°41'	15°12'	26°51'	T 26
F 27	4 23 6	4°31'40"	7♌15'	17°28'	29° 2'	20°28'	14°27'	27°31'	15°39'	11°15	10°51	26° 7'	27°38'	15°19'	26°51'	F 27
S 28	4 27 2	5°32'19"	22°32'	18°58'	0♌15'	20°46'	14°22'	27°36'	15°40'	11°17	10°50	26° 1'	27°35'	15°25'	26°50'	S 28
S 29	4 30 59	6°32'59"	7♌38'	20°28'	1°29'	21° 4'	14°17'	27°41'	15°42'	11°18	10°49	25°57	27°31'	15°32'	26°49'	S 29
M30	4 34 56	7♌33°40'	22°24'	21♌58'	2♌42'	21♌21'	14°12'	27°46'	15°44'	11°19	10°48	25°D56	27°28'	15♌39'	26°49'	M30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	14s17	20n55	2s30	13s 5	0n39	2n 5	1n20	19n 5	1n30	22n21	0s11	21s15	0s16	16s55	0s42	17s27	0n 1	19n 5	3s53	20n27	20n20	18s33	2n28	3n49					
M 2	14 36	21 26	1 19	13 43	0 33	1 39	1 22	18 59	1 31	22 21	0 10	21 14	0 16	16 55	0 42	17 27	0 1	19 5	3 53	20 27	20 21	18 34	2 27	3 49					
T 3	14 55	20 35	0 6	14 21	0 26	1 13	1 25	18 53	1 33	22 21	0 10	21 14	0 16	16 55	0 42	17 27	0 1	19 5	3 53	20 27	20 22	18 36	2 26	3 48					
W 4	15 14	18 30	1n 7	14 58	0 19	0 47	1 27	18 47	1 35	22 21	0 10	21 13	0 16	16 55	0 42	17 26	0 1	19 5	3 53	20 27	20 22	18 37	2 25	3 48					
T 5	15 32	15 27	2 13	15 34	0 13	0 21	1 30	18 41	1 36	22 22	0 10	21 12	0 16	16 55	0 42	17 26	0 1	19 5	3 53	20 28	20 23	18 39	2 24	3 48					
F 6	15 51	11 41	3 12	16 10	0 6	0s 5	1 32	18 35	1 38	22 22	0 10	21 12	0 16	16 55	0 42	17 26	0 1	19 5	3 53	20 28	20 24	18 40	2 24	3 48					
S 7	16 9	7 27	3 59	16 44	0s 1	0 31	1 34	18 29	1 40	22 22	0 10	21 11	0 16	16 54	0 42	17 26	0 1	19 5	3 53	20 29	20 24	18 42	2 23	3 47					
S 8	16 26	2 59	4 33	17 18	0 8	0 58	1 36	18 23	1 41	22 22	0 10	21 11	0 16	16 54	0 42	17 26	0 1	19 5	3 53	20 31	20 25	18 43	2 22	3 47					
M 9	16 44	1s33	4 54	17 51	0 14	1 24	1 38	18 18	1 43	22 22	0 10	21 10	0 16	16 54	0 42	17 26	0 1	19 5	3 53	20 33	20 25	18 44	2 21	3 47					
T 10	17 1	5 58	5 1	18 22	0 21	1 51	1 40	18 12	1 45	22 23	0 10	21 9	0 16	16 54	0 42	17 26	0 1	19 5	3 53	20 35	20 26	18 46	2 20	3 47					
W11	17 17	10 6	4 55	18 53	0 28	2 17	1 41	18 6	1 46	22 23	0 10	21 9	0 16	16 53	0 41	17 26	0 1	19 5	3 53	20 38	20 27	18 47	2 19	3 46					
T 12	17 34	13 48	4 35	19 23	0 34	2 44	1 43	18 1	1 48	22 23	0 9	21 8	0 16	16 53	0 41	17 25	0 1	19 5	3 53	20 40	20 27	18 49	2 18	3 46					
F 13	17 50	16 55	4 3	19 53	0 41	3 11	1 45	17 55	1 50	22 23	0 9	21 7	0 16	16 53	0 41	17 25	0 1	19 5	3 53	20 43	20 28	18 50	2 18	3 46					
S 14	18 6	19 19	3 21	20 21	0 47	3 37	1 46	17 50	1 51	22 24	0 9	21 6	0 16	16 52	0 41	17 25	0 1	19 5	3 53	20 45	20 29	18 52	2 17	3 46					
S 15	18 22	20 54	2 30	20 48	0 53	4 4	1 47	17 45	1 53	22 24	0 9	21 6	0 16	16 52	0 41	17 25	0 1	19 5	3 53	20 46	20 29	18 53	2 16	3 45					
M16	18 37	21 34	1 32	21 14	1 0	4 30	1 48	17 39	1 55	22 25	0 9	21 5	0 17	16 52	0 41	17 25	0 1	19 5	3 53	20 47	20 30	18 54	2 16	3 45					
T 17	18 52	21 16	0 30	21 39	1 6	4 57	1 50	17 34	1 57	22 25	0 9	21 4	0 17	16 51	0 41	17 24	0 1	19 5	3 53	20 47	20 31	18 56	2 15	3 45					
W18	19 6	20 0	0s34	22 3	1 12	5 24	1 51	17 29	1 59	22 25	0 9	21 3	0 17	16 51	0 41	17 24	0 1	19 5	3 53	20 47	20 31	18 57	2 14	3 45					
T 19	19 21	17 47	1 38	22 26	1 17	5 50	1 52	17 24	2 0	22 26	0 9	21 2	0 17	16 51	0 41	17 24	0 1	19 5	3 53	20 47	20 32	18 59	2 13	3 44					
F 20	19 34	14 43	2 38	22 47	1 23	6 17	1 52	17 19	2 2	22 26	0 9	21 1	0 17	16 50	0 41	17 24	0 1	19 6	3 53	20 47	20 33	19 0	2 13	3 44					
S 21	19 48	10 51	3 33	23 8	1 29	6 43	1 53	17 14	2 4	22 27	0 8	21 1	0 17	16 50	0 41	17 23	0 1	19 6	3 53	20 47	20 33	19 1	2 12	3 44					
S 22	20 1	6 21	4 18	23 27	1 34	7 9	1 54	17 10	2 6	22 27	0 8	21 0	0 17	16 49	0 41	17 23	0 1	19 6	3 53	20 47	20 34	19 3	2 12	3 44					
M23	20 14	1 21	4 50	23 46	1 39	7 35	1 54	17 5	2 8	22 28	0 8	20 59	0 17	16 49	0 41	17 23	0 1	19 6	3 53	20 48	20 34	19 4	2 11	3 43					
T 24	20 26	3n52	5 5	24 3	1 44	8 2	1 55	17 1	2 10	22 29	0 8	20 58	0 17	16 48	0 41	17 23	0 1	19 6	3 53	20 50	20 35	19 5	2 10	3 43					
W25	20 39	9 3	5 1	24 18	1 49	8 28	1 55	16 56	2 12	22 29	0 8	20 57	0 17	16 48	0 41	17 22	0 1	19 6	3 53	20 51	20 36	19 7	2 10	3 43					
T 26	20 50	13 47	4 36	24 33	1 53	8 53	1 56	16 52	2 14	22 30	0 8	20 56	0 17	16 47	0 41	17 22	0 1	19 6	3 53	20 53	20 36	19 8	2 9	3 43					
F 27	21 2	17 42	3 51	24 46	1 57	9 19	1 56	16 48	2 16	22 30	0 8	20 55	0 17	16 47	0 41	17 22	0 1	19 6	3 53	20 54	20 37	19 10	2 9	3 42					
S 28	21 12	20 23	2 50	24 58	2 1	9 45	1 56	16 44	2 18	22 31	0 8	20 54	0 17	16 46	0 41	17 22	0 1	19 6	3 53	20 56	20 38	19 11	2 8	3 42					
S 29	21 23	21 35	1 37	25 9	2 5	10 10	1 56	16 40	2 20	22 32	0 8	20 53	0 17	16 46	0 41	17 21	0 1	19 6	3 53	20 56	20 38	19 12	2 8	3 42					
M30	21s33	21n15	0s19	25s18	2s 8	10s35	1n56	16n37	2n22	22n32	0s 7	20s52	0s17	16s45	0s41	17s21	0n 1	19n 6	3s53	20n56	20n39	19s14	2n 8	3n42					

ASTRODIENST EPHEMERIS for the year 2167
geocentric

DECEMBER 2167

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 38 52	8♂34'23	6♂46	23♂28	3♂55	21♂38	14°R 6	27♂52	15♂46	11♂20	10°R47	25♂56	27♂25	15♂45	26°R49	T 1
W 2	4 42 49	9°35'08	20°42	24°57	5° 9	21°54	14♂ 1	27°57	15°48	11°22	10♂46	25°57	27°22	15°52	26°R48	W 2
T 3	4 46 45	10°35'54	4♂12	26°26	6°22	22°10	13°55	28° 3	15°49	11°23	10°45	25°58	27°19	15°59	26°48	T 3
F 4	4 50 42	11°36'41	17°18	27°54	7°36	22°25	13°50	28° 8	15°51	11°24	10°44	25°R58	27°16	16° 5	26°48	F 4
S 5	4 54 38	12°37'30	0♂ 3	29°21	8°49	22°40	13°44	28°14	15°53	11°26	10°43	25°57	27°12	16°12	26°47	S 5
S 6	4 58 35	13°38'21	12°32	0♂48	10° 3	22°54	13°38	28°20	15°55	11°27	10°42	25°53	27° 9	16°19	26°47	S 6
M 7	5 2 31	14°39'13	24°48	2°14	11°17	23° 8	13°31	28°26	15°57	11°28	10°41	25°47	27° 6	16°25	26°47	M 7
T 8	5 6 28	15°40'06	6♂54	3°40	12°31	23°21	13°25	28°31	15°59	11°30	10°40	25°40	27° 3	16°32	26°D47	T 8
W 9	5 10 25	16°41'00	18°53	5° 4	13°44	23°33	13°18	28°37	16° 2	11°31	10°39	25°33	27° 0	16°39	26°47	W 9
T 10	5 14 21	17°41'55	0♂47	6°27	14°58	23°45	13°12	28°43	16° 4	11°33	10°38	25°25	26°56	16°46	26°47	T 10
F 11	5 18 18	18°42'52	12°37	7°49	16°12	23°56	13° 5	28°49	16° 6	11°34	10°36	25°18	26°53	16°52	26°47	F 11
S 12	5 22 14	19°43'50	24°26	9° 9	17°26	24° 7	12°58	28°55	16° 8	11°36	10°35	25°13	26°50	16°59	26°48	S 12
S 13	5 26 11	20°44'48	6♂16	10°27	18°40	24°17	12°51	29° 1	16°11	11°37	10°34	25° 9	26°47	17° 6	26°48	S 13
M14	5 30 7	21°45'48	18° 7	11°43	19°54	24°26	12°44	29° 7	16°13	11°39	10°33	25° 7	26°44	17°12	26°48	M14
T 15	5 34 4	22°46'48	0♂ 4	12°56	21° 8	24°35	12°37	29°14	16°15	11°41	10°32	25°D 7	26°41	17°19	26°48	T 15
W16	5 38 1	23°47'49	12° 8	14° 7	22°22	24°43	12°30	29°20	16°18	11°42	10°31	25° 8	26°37	17°26	26°49	W16
T 17	5 41 57	24°48'50	24°23	15°14	23°37	24°50	12°22	29°26	16°20	11°44	10°30	25°10	26°34	17°32	26°49	T 17
F 18	5 45 54	25°49'52	6♂54	16°17	24°51	24°57	12°15	29°32	16°23	11°46	10°28	25°12	26°31	17°39	26°50	F 18
S 19	5 49 50	26°50'54	19°43	17°15	26° 5	25° 3	12° 7	29°39	16°25	11°47	10°27	25°13	26°28	17°46	26°51	S 19
S 20	5 53 47	27°51'57	2♂55	18° 8	27°19	25° 8	12° 0	29°45	16°28	11°49	10°26	25°R13	26°25	17°52	26°51	S 20
M21	5 57 43	28°53'00	16°33	18°55	28°34	25°13	11°52	29°52	16°30	11°51	10°25	25°12	26°22	17°59	26°52	M21
T 22	6 1 40	29°54'03	0♂38	19°35	29°48	25°16	11°44	29°58	16°33	11°53	10°24	25° 9	26°18	18° 6	26°53	T 22
W23	6 5 36	0♂55'07	15° 9	20° 8	1♂ 2	25°19	11°36	0♂ 5	16°36	11°55	10°22	25° 6	26°15	18°12	26°53	W23
T 24	6 9 33	1°56'11	0♂11	20°32	2°17	25°22	11°28	0°11	16°38	11°56	10°21	25° 3	26°12	18°19	26°54	T 24
F 25	6 13 30	2°57'16	15°11	20°46	3°31	25°23	11°20	0°18	16°41	11°58	10°20	25° 0	26° 9	18°26	26°55	F 25
S 26	6 17 26	3°58'21	0♂25	20°R50	4°45	25°24	11°12	0°24	16°44	12° 0	10°19	24°58	26° 6	18°32	26°56	S 26
S 27	6 21 23	4°59'26	15°35	20°43	6° 0	25°R24	11° 4	0°31	16°47	12° 2	10°18	24°56	26° 2	18°39	26°57	S 27
M28	6 25 19	6° 0'32	0♂31	20°24	7°14	25°24	10°56	0°38	16°49	12° 4	10°16	24°D56	25°59	18°46	26°58	M28
T 29	6 29 16	7° 1'38	15° 6	19°53	8°29	25°22	10°48	0°44	16°52	12° 6	10°15	24°57	25°56	18°52	27° 0	T 29
W30	6 33 12	8° 2'44	29°16	19°11	9°43	25°20	10°40	0°51	16°55	12° 8	10°14	24°58	25°53	18°59	27° 1	W30
T 31	6 37 9	9♂ 3'52	12♂57	18♂18	10♂58	25♂17	10♂32	0♂58	16♂58	12♂10	10♂13	25♂ 0	25♂50	19♂ 6	27♂ 2	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	decl lat	decl lat
T 1	21s43	19n30	0n58	25s27	2s11	11s 0	1n56	16n33	2n24	22n33	0s 7	20s51	0s17	16s45	0s41	17s21
W 2	21 52	16 38	2 10	25 33	2 14	11 25	1 55	16 30	2 26	22 34	0 7	20 50	0 17	16 44	0 41	17 20
T 3	22 1	12 56	3 12	25 39	2 17	11 49	1 55	16 27	2 28	22 34	0 7	20 49	0 17	16 44	0 41	17 20
F 4	22 9	8 44	4 2	25 43	2 19	12 13	1 55	16 24	2 30	22 35	0 7	20 48	0 17	16 43	0 41	17 19
S 5	22 17	4 14	4 39	25 45	2 20	12 37	1 54	16 21	2 33	22 36	0 7	20 47	0 18	16 42	0 41	17 19
S 6	22 25	0s19	5 1	25 46	2 21	13 1	1 54	16 18	2 35	22 37	0 7	20 46	0 18	16 42	0 41	17 19
M 7	22 32	4 48	5 9	25 46	2 22	13 25	1 53	16 16	2 37	22 37	0 7	20 45	0 18	16 41	0 41	17 18
T 8	22 39	9 1	5 4	25 44	2 22	13 48	1 52	16 14	2 39	22 38	0 6	20 44	0 18	16 41	0 41	17 18
W 9	22 45	12 51	4 45	25 41	2 22	14 11	1 51	16 12	2 41	22 39	0 6	20 42	0 18	16 40	0 41	17 18
T 10	22 51	16 10	4 13	25 37	2 21	14 33	1 50	16 10	2 44	22 40	0 6	20 41	0 18	16 39	0 41	17 17
F 11	22 56	18 48	3 31	25 31	2 20	14 55	1 49	16 8	2 46	22 40	0 6	20 40	0 18	16 39	0 41	17 17
S 12	23 1	20 38	2 40	25 23	2 18	15 17	1 48	16 7	2 48	22 41	0 6	20 39	0 18	16 38	0 41	17 16
S 13	23 6	21 35	1 41	25 15	2 15	15 39	1 47	16 6	2 51	22 42	0 6	20 38	0 18	16 37	0 41	17 16
M14	23 10	21 34	0 38	25 5	2 11	16 0	1 46	16 5	2 53	22 43	0 6	20 36	0 18	16 36	0 41	17 15
T 15	23 13	20 34	0s27	24 54	2 7	16 20	1 45	16 4	2 55	22 44	0 6	20 35	0 18	16 36	0 41	17 15
W16	23 16	18 37	1 32	24 41	2 2	16 41	1 43	16 4	2 58	22 44	0 5	20 34	0 18	16 35	0 40	17 15
T 17	23 19	15 48	2 34	24 28	1 56	17 1	1 42	16 3	3 0	22 45	0 5	20 33	0 18	16 34	0 40	17 14
F 18	23 21	12 13	3 30	24 13	1 49	17 20	1 41	16 3	3 2	22 46	0 5	20 32	0 18	16 33	0 40	17 14
S 19	23 23	8 0	4 16	23 58	1 41	17 39	1 39	16 4	3 5	22 47	0 5	20 30	0 18	16 33	0 40	17 13
S 20	23 24	3 18	4 51	23 42	1 31	17 58	1 37	16 4	3 7	22 48	0 5	20 29	0 18	16 32	0 40	17 13
M21	23 25	1n43	5 11	23 25	1 21	18 16	1 36	16 5	3 10	22 49	0 5	20 28	0 18	16 31	0 40	17 12
T 22	23 25	6 47	5 13	23 8	1 10	18 33	1 34	16 6	3 12	22 49	0 5	20 26	0 18	16 30	0 40	17 12
W23	23 25	11 39	4 56	22 51	0 57	18 51	1 32	16 7	3 14	22 50	0 4	20 25	0 19	16 29	0 40	17 11
T 24	23 24	15 56	4 18	22 33	0 43	19 7	1 30	16 9	3 17	22 51	0 4	20 24	0 19	16 29	0 40	17 11
F 25	23 23	19 15	3 22	22 16	0 28	19 23	1 28	16 10	3 19	22 52	0 4	20 22	0 19	16 28	0 40	17 10
S 26	23 21	21 14	2 11	21 59	0 11	19 39	1 26	16 12	3 22	22 53	0 4	20 21	0 19	16 27	0 40	17 10
S 27	23 19	21 39	0 51	21 43	0n 6	19 54	1 24	16 15	3 24	22 53	0 4	20 20	0 19	16 26	0 40	17 9
M28	23 17	20 31	0n31	21 27	0 25	20 9	1 22	16 17	3 27	22 54	0 4	20 18	0 19	16 25	0 40	17 9
T 29	23 14	18 2	1 49	21 13	0 44	20 23	1 20	16 20	3 29	22 55	0 4	20 17	0 19	16 24	0 40	17 8
W30	23 10	14 31	2 59	21 0	1 4	20 36	1 18	16 23	3 32	22 56	0 3	20 15	0 19	16 23	0 40	17 8
T 31	23s 6	10n19	3n56	20s47	1n23	20s49	1n16	16n27	3n34	22n57	0s 3	20s14	0s19	16s22	0s40	17s 7

Julian Day Number = 2512874.5, Delta T = 134.81 sec
Ecliptic obliquity = 23°24'58, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°05'12, Lahiri = 26°12'13