



Astrodienst Ephemeris Tables for the year 2152

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 2152
geocentric

JANUARY 2152

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 40 36	9♌5747	1♋38	9♌17	10♌57	10♌46	18♏1	23°R35	13♌22	8♌18	22°R51	6♋45	5♋14	28♏2	0♌10	S 1
S 2	6 44 32	10°58'56	14°54	10°53	12°11	11°31	18°14	23°30	13°25	8°20	22°II50	6°47	5°11	28°9	0°17	S 2
M 3	6 48 29	12°0'06	27°55	12°29	13°26	12°17	18°27	23°25	13°29	8°22	22°49	6°48	5°8	28°15	0°23	M 3
T 4	6 52 25	13°1'16	10♌43	14°6	14°41	13°3	18°40	23°20	13°32	8°25	22°48	6°R48	5°5	28°22	0°30	T 4
W 5	6 56 22	14°2'26	23°20	15°43	15°55	13°49	18°53	23°15	13°36	8°27	22°47	6°47	5°2	28°29	0°37	W 5
T 6	7 0 19	15°3'37	5♌46	17°20	17°10	14°35	19°6	23°10	13°39	8°29	22°46	6°43	4°58	28°35	0°43	T 6
F 7	7 4 15	16°4'48	18°3	18°58	18°24	15°21	19°19	23°6	13°42	8°32	22°45	6°38	4°55	28°42	0°50	F 7
S 8	7 8 12	17°5'58	0♏11	20°36	19°39	16°7	19°33	23°1	13°45	8°34	22°44	6°31	4°52	28°49	0°56	S 8
S 9	7 12 8	18°7'08	12°12	22°14	20°54	16°53	19°46	22°56	13°49	8°36	22°43	6°23	4°49	28°56	1°3	S 9
M10	7 16 5	19°8'19	24°8	23°53	22°8	17°39	19°59	22°51	13°52	8°38	22°42	6°14	4°46	29°2	1°10	M10
T 11	7 20 1	20°9'28	6♋0	25°32	23°23	18°25	20°12	22°46	13°55	8°41	22°41	6°6	4°42	29°9	1°16	T 11
W12	7 23 58	21°10'38	17°51	27°11	24°38	19°11	20°26	22°41	13°58	8°43	22°39	5°59	4°39	29°16	1°22	W12
T 13	7 27 55	22°11'47	29°44	28°51	25°52	19°57	20°39	22°36	14°1	8°45	22°38	5°54	4°36	29°22	1°29	T 13
F 14	7 31 51	23°12'55	11♋44	0♏31	27°7	20°43	20°53	22°31	14°4	8°47	22°38	5°51	4°33	29°29	1°35	F 14
S 15	7 35 48	24°14'03	23°55	2°11	28°22	21°29	21°7	22°26	14°7	8°49	22°37	5°D51	4°30	29°36	1°42	S 15
S 16	7 39 44	25°15'10	6♌22	3°52	29°36	22°16	21°20	22°21	14°10	8°52	22°36	5°51	4°27	29°43	1°48	S 16
M17	7 43 41	26°16'17	19°10	5°33	0♌51	23°2	21°34	22°16	14°13	8°54	22°35	5°52	4°23	29°49	1°54	M17
T 18	7 47 37	27°17'23	2♋23	7°13	2°6	23°48	21°48	22°11	14°16	8°56	22°34	5°R53	4°20	29°56	2°1	T 18
W19	7 51 34	28°18'29	16°5	8°54	3°21	24°35	22°1	22°6	14°19	8°58	22°33	5°53	4°17	0♋3	2°7	W19
T 20	7 55 30	29°19'34	0♌51	10°35	4°36	25°21	22°15	22°1	14°22	9°0	22°32	5°50	4°14	0°10	2°13	T 20
F 21	7 59 27	0♏20'38	14°52	12°16	5°50	26°7	22°29	21°56	14°25	9°3	22°31	5°45	4°11	0°16	2°19	F 21
S 22	8 3 24	1°21'41	29°50	13°56	7°5	26°54	22°43	21°52	14°28	9°5	22°30	5°38	4°8	0°23	2°26	S 22
S 23	8 7 20	2°22'44	15♋0	15°36	8°20	27°40	22°57	21°47	14°31	9°7	22°29	5°30	4°4	0°30	2°32	S 23
M24	8 11 17	3°23'47	0♋12	17°15	9°35	28°27	23°11	21°42	14°33	9°9	22°28	5°20	4°1	0°36	2°38	M24
T 25	8 15 13	4°24'48	15°15	18°53	10°50	29°13	23°25	21°37	14°36	9°11	22°27	5°12	3°58	0°43	2°44	T 25
W26	8 19 10	5°25'49	0♌1	20°30	12°4	0♏0	23°39	21°32	14°39	9°13	22°27	5°5	3°55	0°50	2°50	W26
T 27	8 23 6	6°26'50	14°23	22°5	13°19	0°47	23°53	21°28	14°41	9°15	22°26	5°0	3°52	0°57	2°56	T 27
F 28	8 27 3	7°27'50	28°19	23°39	14°34	1°33	24°7	21°23	14°44	9°17	22°25	4°58	3°48	1°3	3°2	F 28
S 29	8 30 59	8°28'50	11♋51	25°10	15°49	2°20	24°21	21°18	14°46	9°19	22°24	4°D58	3°45	1°10	3°7	S 29
S 30	8 34 56	9°29'50	24°59	26°38	17°4	3°7	24°35	21°14	14°49	9°21	22°24	4°58	3°42	1°17	3°13	S 30
M31	8 38 53	10°30'49	7♌48	28°3	18♌19	3°53	24°49	21°5	14°51	9♌23	22°II23	4°R59	3♋39	1♋24	3♌19	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 3	9s13	3n 0	24s45	1s39	20s46	1n19	23s50	0s51	16s 9	0s46	21n14	0s 8	22s21	0n 2	22s11	0n59	14n32	8s43	21n25	21n 9	16s56	17s59	5n26	
S 2	22 58	14 26	1 57	24 42	1 43	20 58	1 16	23 46	0 51	16 5	0 46	21 15	0 8	22 22	0 2	22 11	0 59	14 32	8 43	21 25	21 9	16 54	17 59	5 27	
M 3	22 53	18 54	0 48	24 37	1 47	21 10	1 14	23 43	0 52	16 1	0 46	21 15	0 8	22 22	0 2	22 11	0 59	14 32	8 43	21 26	21 8	16 52	17 58	5 27	
T 4	22 47	22 23	0s21	24 31	1 51	21 21	1 12	23 39	0 52	15 57	0 46	21 16	0 8	22 22	0 2	22 11	0 59	14 32	8 43	21 26	21 8	16 49	17 58	5 27	
W 5	22 41	24 44	1 29	24 23	1 54	21 32	1 9	23 35	0 53	15 53	0 46	21 17	0 8	22 23	0 2	22 10	0 59	14 32	8 42	21 25	21 7	16 47	17 58	5 27	
T 6	22 34	25 48	2 31	24 14	1 57	21 41	1 7	23 30	0 53	15 49	0 46	21 18	0 8	22 23	0 2	22 10	0 59	14 32	8 42	21 25	21 7	16 45	17 58	5 27	
F 7	22 27	25 35	3 25	24 3	1 59	21 51	1 5	23 25	0 53	15 45	0 46	21 19	0 8	22 24	0 2	22 10	0 59	14 32	8 42	21 24	21 6	16 42	17 57	5 28	
S 8	22 20	24 9	4 9	23 51	2 2	21 59	1 2	23 20	0 54	15 41	0 46	21 20	0 8	22 24	0 2	22 10	0 59	14 32	8 42	21 23	21 5	16 40	17 57	5 28	
S 9	22 12	21 37	4 41	23 37	2 4	22 7	1 0	23 15	0 54	15 36	0 46	21 21	0 7	22 24	0 2	22 10	0 59	14 32	8 42	21 21	21 5	16 38	17 57	5 28	
M10	22 3	18 12	5 1	23 22	2 5	22 14	0 57	23 9	0 54	15 32	0 46	21 22	0 7	22 25	0 2	22 10	0 59	14 32	8 42	21 20	21 4	16 36	17 57	5 28	
T 11	21 55	14 4	5 8	23 5	2 6	22 21	0 55	23 4	0 55	15 28	0 46	21 23	0 7	22 25	0 2	22 10	0 59	14 32	8 42	21 19	21 4	16 33	17 56	5 29	
W12	21 45	9 25	5 1	22 47	2 7	22 27	0 52	22 58	0 55	15 24	0 46	21 24	0 7	22 26	0 2	22 9	0 59	14 32	8 42	21 17	21 3	16 31	17 56	5 29	
T 13	21 36	4 25	4 42	22 27	2 7	22 32	0 49	22 51	0 56	15 20	0 46	21 25	0 7	22 26	0 2	22 9	0 59	14 32	8 41	21 16	21 3	16 29	17 56	5 29	
F 14	21 26	0n48	4 10	22 6	2 7	22 37	0 47	22 45	0 56	15 15	0 46	21 26	0 7	22 26	0 2	22 9	0 59	14 32	8 41	21 16	21 2	16 26	17 55	5 29	
S 15	21 15	6 4	3 26	21 43	2 7	22 40	0 44	22 38	0 56	15 11	0 46	21 27	0 7	22 27	0 2	22 9	0 59	14 33	8 41	21 16	21 1	16 24	17 55	5 30	
S 16	21 4	11 14	2 32	21 18	2 6	22 44	0 42	22 31	0 57	15 7	0 46	21 27	0 7	22 27	0 2	22 9	0 59	14 33	8 41	21 16	21 1	16 22	17 54	5 30	
M17	20 53	16 5	1 29	20 53	2 4	22 46	0 39	22 23	0 57	15 2	0 46	21 28	0 7	22 27	0 2	22 9	0 59	14 33	8 41	21 16	21 0	16 19	17 54	5 30	
T 18	20 41	20 19	0 19	20 25	2 2	22 48	0 36	22 16	0 57	14 58	0 46	21 29	0 7	22 28	0 2	22 9	0 59	14 33	8 41	21 16	21 0	16 17	17 54	5 31	
W19	20 29	23 36	0n54	19 56	1 59	22 49	0 33	22 8	0 58	14 53	0 46	21 30	0 6	22 28	0 2	22 8	0 59	14 33	8 40	21 16	20 59	16 15	17 53	5 31	
T 20	20 17	25 32	2 7	19 26	1 56	22 50	0 31	22 0	0 58	14 49	0 46	21 31	0 6	22 28	0 2	22 8	0 59	14 33	8 40	21 16	20 58	16 12	17 53	5 31	
F 21	20 4	25 47	3 13	18 54	1 52	22 49	0 28	21 52	0 58	14 44	0 46	21 32	0 6	22 29	0 2	22 8	0 59	14 33	8 40	21 15	20 58	16 10	17 52	5 32	
S 22	19 50	24 12	4 8	18 21	1 48	22 49	0 25	21 43	0 58	14 40	0 46	21 33	0 6	22 29	0 2	22 8	0 59	14 33	8 40	21 14	20 57	16 8	17 52	5 32	
S 23	19 37	20 52	4 45	17 47	1 43	22 47	0 23	21 34	0 59	14 35	0 46	21 34	0 6	22 29	0 2	22 8	0 59	14 33	8 40	21 12	20 57	16 5	17 52	5 32	
M24	19 23	16 7	5 3	17 12	1 37	22 45	0 20	21 25	0 59	14 31	0 46	21 35	0 6	22 30	0 2	22 8	0 59	14 34	8 40	21 11	20 56	16 3	17 51	5 33	
T 25	19 9	10 25	5 0	16 35	1 30	22 42	0 17	21 16	0 59	14 26	0 46	21 35	0 6	22 30	0 2	22 7	0 59	14 34	8 39	21 9	20 56	16 1	17 51	5 33	
W26	18 54	4 13	4 36	15 58	1 23	22 38	0 14	21 6	1 0	14 22	0 47	21 36	0 6	22 30	0 2	22 7	0 59	14 34	8 39	21 8	20 55	15 58	17 50	5 33	
T 27	18 39	2s 2	3 56	15 19	1 15	22 34	0 12	20 57	1 0	14 17	0 47	21 37	0 6	22 31	0 2	22 7	0 59	14 34	8 39	21 7	20 54	15 56	17 50	5 34	
F 28	18 23	8 2	3 2	14 40	1 6	22 29	0 9	20 47	1 0	14 12	0 47	21 38	0 5	22 31	0 2	22 7	0 59	14 34	8 39	21 7	20 54	15 53	17 49	5 34	
S 29	18 8	13 28	2 0	14 1	0 56	22 23	0 6	20 36	1 1	14 8	0 47	21 39	0 5	22 31	0 2	22 7	0 59	14 34	8 39	21 6	20 53	15 51	17 49	5 34	
S 30	17 52	18 8	0 53	13 21	0 46	22 16	0 4	20 26	1 1	14 3	0 47	21 40	0 5	22 32	0 2	22 7	0 59	14 34	8 39	21 7	20 53	15 49	17 48	5 35	
M31	17s35	21s50	0s15	12s41	0s35	22s 9	0n 1	20s15	1s 1	13s58	0s47	21n40	0s 5	22s32	0n 2	22s 7	0n59	14n35	8s38	21n 7	20n52	15s46	17s48	5n35	

ASTRODIENST EPHEMERIS for the year 2152

geocentric

FEBRUARY 2152

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 42 49	11°31'47	20°21	29°24	19°33	4°40	25°3	21°R 5	14°54	9°25	22°R22	4°R57	3°36	1°30	3°25	T 1
W 2	8 46 46	12°32'44	2°342	0°40	20°48	5°27	25°18	21°0	14°56	9°27	22°II21	4°II54	3°33	1°37	3°31	W 2
T 3	8 50 42	13°33'41	14°54	1°51	22° 3	6°14	25°32	20°56	14°59	9°29	22°21	4°47	3°29	1°44	3°36	T 3
F 4	8 54 39	14°34'37	26°58	2°55	23°18	7° 1	25°46	20°52	15° 1	9°31	22°20	4°38	3°26	1°50	3°42	F 4
S 5	8 58 35	15°35'32	8°58	3°53	24°33	7°48	26° 0	20°47	15° 3	9°33	22°19	4°26	3°23	1°57	3°47	S 5
S 6	9 2 32	16°36'25	20°53	4°42	25°48	8°34	26°15	20°43	15° 5	9°35	22°19	4°12	3°20	2° 4	3°53	S 6
M 7	9 6 28	17°37'18	2°46	5°23	27° 3	9°21	26°29	20°39	15° 8	9°37	22°18	3°58	3°17	2°11	3°58	M 7
T 8	9 10 25	18°38'09	14°38	5°55	28°18	10° 8	26°43	20°35	15°10	9°39	22°18	3°44	3°14	2°17	4° 4	T 8
W 9	9 14 22	19°39'00	26°30	6°17	29°33	10°55	26°58	20°31	15°12	9°41	22°17	3°32	3°10	2°24	4° 9	W 9
T 10	9 18 18	20°39'48	8°24	6°28	0°47	11°42	27°12	20°27	15°14	9°43	22°16	3°22	3° 7	2°31	4°14	T 10
F 11	9 22 15	21°40'36	20°24	6°R28	2° 2	12°29	27°26	20°23	15°16	9°44	22°16	3°15	3° 4	2°37	4°19	F 11
S 12	9 26 11	22°41'21	2°34	6°18	3°17	13°16	27°41	20°19	15°18	9°46	22°15	3°12	3° 1	2°44	4°25	S 12
S 13	9 30 8	23°42'06	14°57	5°57	4°32	14° 3	27°55	20°15	15°20	9°48	22°15	3°10	2°58	2°51	4°30	S 13
M14	9 34 4	24°42'49	27°38	5°25	5°47	14°50	28°10	20°12	15°22	9°50	22°14	3°10	2°54	2°58	4°35	M14
T 15	9 38 1	25°43'30	10°II43	4°44	7° 2	15°37	28°24	20° 8	15°23	9°51	22°14	3°10	2°51	3° 4	4°40	T 15
W16	9 41 57	26°44'09	24°16	3°54	8°17	16°24	28°38	20° 5	15°25	9°53	22°14	3° 9	2°48	3°11	4°45	W16
T 17	9 45 54	27°44'47	8°17	2°58	9°32	17°11	28°53	20° 1	15°27	9°55	22°13	3° 5	2°45	3°18	4°49	T 17
F 18	9 49 51	28°45'24	22°49	1°55	10°46	17°59	29° 7	19°58	15°29	9°57	22°13	2°59	2°42	3°25	4°54	F 18
S 19	9 53 47	29°45'58	7°46	0°49	12° 1	18°46	29°22	19°55	15°30	9°58	22°12	2°50	2°39	3°31	4°59	S 19
S 20	9 57 44	0°46'31	23° 2	29°41	13°16	19°33	29°36	19°52	15°32	10° 0	22°12	2°39	2°35	3°38	5° 4	S 20
M21	10 1 40	1°47'03	8°25	28°32	14°31	20°20	29°51	19°49	15°33	10° 1	22°12	2°28	2°32	3°45	5° 8	M21
T 22	10 5 37	2°47'33	23°43	27°25	15°46	21° 7	0°5	19°46	15°35	10° 3	22°11	2°17	2°29	3°51	5°13	T 22
W23	10 9 33	3°48'01	8°24	26°21	17° 1	21°54	0°19	19°43	15°36	10° 4	22°11	2° 7	2°26	3°58	5°17	W23
T 24	10 13 30	4°48'28	23°24	25°22	18°15	22°41	0°34	19°40	15°38	10° 6	22°11	2° 1	2°23	4° 5	5°22	T 24
F 25	10 17 26	5°48'54	7°34	24°28	19°30	23°29	0°48	19°37	15°39	10° 7	22°11	1°57	2°20	4°12	5°26	F 25
S 26	10 21 23	6°49'18	21°14	23°40	20°45	24°16	1° 3	19°35	15°40	10° 9	22°10	1°56	2°16	4°18	5°30	S 26
S 27	10 25 20	7°49'41	4°27	22°59	22° 0	25° 3	1°17	19°32	15°41	10°10	22°10	1°55	2°13	4°25	5°34	S 27
M28	10 29 16	8°50'03	17°16	22°25	23°15	25°50	1°31	19°30	15°42	10°12	22°10	1°55	2°10	4°32	5°38	M28
T 29	10 33 13	9°50'23	29°45	21°59	24°30	26°37	1°46	19°28	15°44	10°13	22°10	1°54	2°11	4°39	5°42	T 29

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	17s19	24s25	1s21	12s 1	0s22	22s 1	0s 2	20s 4	1s 1	13s54	0s47	21n41	0s 5	22s32	0n 2	22s 6	0n59
W 2	17 2	25 45	2 22	11 22	0 9	21 53	0 4	19 53	1 2	13 49	0 47	21 42	0 5	22 32	0 2	22 6	0 59
T 3	16 44	25 49	3 15	10 44	0n 5	21 44	0 7	19 42	1 2	13 44	0 47	21 43	0 5	22 33	0 2	22 6	0 59
F 4	16 27	24 39	3 59	10 8	0 19	21 34	0 10	19 30	1 2	13 39	0 47	21 44	0 5	22 33	0 2	22 6	0 59
S 5	16 9	22 22	4 32	9 33	0 35	21 24	0 12	19 19	1 2	13 35	0 47	21 44	0 5	22 33	0 2	22 6	0 59
S 6	15 51	19 8	4 52	9 0	0 50	21 13	0 15	19 7	1 2	13 30	0 47	21 45	0 4	22 34	0 2	22 6	0 59
M 7	15 32	15 8	5 0	8 30	1 7	21 1	0 17	18 54	1 3	13 25	0 47	21 46	0 4	22 34	0 2	22 6	0 59
T 8	15 14	10 35	4 55	8 2	1 23	20 49	0 20	18 42	1 3	13 20	0 47	21 47	0 4	22 34	0 2	22 5	0 59
W 9	14 55	5 38	4 37	7 39	1 40	20 36	0 22	18 29	1 3	13 15	0 47	21 47	0 4	22 34	0 2	22 5	0 59
T 10	14 36	0 27	4 7	7 19	1 57	20 22	0 25	18 17	1 3	13 10	0 47	21 48	0 4	22 34	0 2	22 5	0 59
F 11	14 16	4n47	3 25	7 4	2 14	20 8	0 27	18 4	1 4	13 5	0 47	21 49	0 4	22 35	0 2	22 5	0 59
S 12	13 56	9 56	2 34	6 53	2 29	19 53	0 30	17 50	1 4	13 1	0 47	21 49	0 4	22 35	0 2	22 5	0 59
S 13	13 37	14 48	1 35	6 46	2 44	19 38	0 32	17 37	1 4	12 56	0 47	21 50	0 4	22 35	0 2	22 5	0 59
M14	13 16	19 9	0 29	6 45	2 58	19 22	0 34	17 24	1 4	12 51	0 47	21 51	0 4	22 35	0 2	22 5	0 59
T 15	12 56	22 42	0n40	6 48	3 11	19 6	0 37	17 10	1 4	12 46	0 47	21 51	0 3	22 36	0 2	22 4	0 59
W16	12 36	25 7	1 49	6 56	3 21	18 49	0 39	16 56	1 4	12 41	0 48	21 52	0 3	22 36	0 2	22 4	0 59
T 17	12 15	26 3	2 54	7 8	3 30	18 31	0 41	16 42	1 5	12 36	0 48	21 53	0 3	22 36	0 2	22 4	0 59
F 18	11 54	25 16	3 50	7 24	3 37	18 13	0 43	16 27	1 5	12 31	0 48	21 53	0 3	22 36	0 2	22 4	0 59
S 19	11 33	22 41	4 32	7 44	3 41	17 54	0 46	16 13	1 5	12 26	0 48	21 54	0 3	22 36	0 2	22 4	0 59
S 20	11 11	18 29	4 56	8 6	3 43	17 35	0 48	15 58	1 5	12 21	0 48	21 54	0 3	22 37	0 2	22 4	0 59
M21	10 50	13 1	4 58	8 30	3 42	17 16	0 50	15 44	1 5	12 16	0 48	21 55	0 3	22 37	0 2	22 4	0 59
T 22	10 28	6 46	4 39	8 55	3 40	16 55	0 52	15 29	1 5	12 11	0 48	21 55	0 3	22 37	0 2	22 3	0 59
W23	10 6	0 14	4 1	9 21	3 35	16 35	0 54	15 14	1 5	12 6	0 48	21 56	0 3	22 37	0 2	22 3	0 59
T 24	9 44	6s10	3 8	9 47	3 28	16 14	0 56	14 58	1 5	12 1	0 48	21 56	0 2	22 37	0 2	22 3	0 59
F 25	9 22	12 3	2 5	10 13	3 20	15 52	0 58	14 43	1 6	11 56	0 48	21 57	0 2	22 37	0 2	22 3	0 59
S 26	9 0	17 9	0 56	10 38	3 10	15 30	0 59	14 27	1 6	11 51	0 48	21 57	0 2	22 37	0 2	22 3	0 59
S 27	8 38	21 14	0s13	11 1	2 59	15 8	1 1	14 12	1 6	11 46	0 48	21 58	0 2	22 38	0 2	22 3	0 59
M28	8 15	24 8	1 20	11 24	2 47	14 45	1 3	13 56	1 6	11 41	0 48	21 58	0 2	22 38	0 2	22 3	0 59
T 29	7s52	25s47	2s21	11s44	2n35	14s22	1s 5	13s40	1s 6	11s36	0s48	21n59	0s 2	22s38	0n 2	22s 3	0n59

Julian Day Number = 2507092.5, Delta T = 123.10 sec

Ecliptic obliquity = 23°25'14, Nutation = - 0°00'14, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 26°51'55, Lahiri = 25°58'56

ASTRODIENST EPHEMERIS for the year 2152
geocentric

MARCH 2152

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	10 37 9	10°50'42	12°00	21°R39	25°44	27°25	2°H 0	19°R26	15°45	10°14	22°R10	1°R50	2°II 4	4°H45	5°Z46	W 1
T 2	10 41 6	11°51'00	24° 4	21°27	26°59	28°12	2°14	19°23	15°46	10°16	22°II10	1°II44	2° 0	4°52	5°50	T 2
F 3	10 45 2	12°51'16	6° 1	21°D22	28°14	28°59	2°29	19°21	15°47	10°17	22°10	1°35	1°57	4°59	5°54	F 3
S 4	10 48 59	13°51'30	17°54	21°24	29°29	29°46	2°43	19°20	15°48	10°18	22°10	1°23	1°54	5° 5	5°58	S 4
S 5	10 52 55	14°51'42	29°46	21°32	0°H44	0°H34	2°57	19°18	15°48	10°20	22°10	1° 9	1°51	5°12	6° 2	S 5
M 6	10 56 52	15°51'53	11°H38	21°45	1°58	1°21	3°11	19°16	15°49	10°21	22°D 9	0°55	1°48	5°19	6° 5	M 6
T 7	11 0 49	16°52'02	23°31	22° 5	3°13	2° 8	3°26	19°15	15°50	10°22	22°10	0°41	1°45	5°26	6° 9	T 7
W 8	11 4 45	17°52'09	5°Y28	22°29	4°28	2°55	3°40	19°13	15°51	10°23	22°10	0°28	1°41	5°32	6°12	W 8
T 9	11 8 42	18°52'14	17°28	22°59	5°43	3°43	3°54	19°12	15°51	10°24	22°10	0°18	1°38	5°39	6°15	T 9
F 10	11 12 38	19°52'17	29°35	23°33	6°57	4°30	4° 8	19°11	15°52	10°25	22°10	0°11	1°35	5°46	6°19	F 10
S 11	11 16 35	20°52'18	11°H50	24°12	8°12	5°17	4°22	19°10	15°52	10°26	22°10	0° 7	1°32	5°52	6°22	S 11
S 12	11 20 31	21°52'18	24°17	24°54	9°27	6° 4	4°37	19° 9	15°53	10°27	22°10	0° 6	1°29	5°59	6°25	S 12
M13	11 24 28	22°52'15	6°II59	25°40	10°42	6°51	4°51	19° 8	15°53	10°28	22°10	0°D 6	1°25	6° 6	6°28	M13
T 14	11 28 24	23°52'09	20° 0	26°30	11°56	7°39	5° 5	19° 7	15°54	10°29	22°10	0°R 6	1°22	6°13	6°31	T 14
W15	11 32 21	24°52'02	3°25	27°23	13°11	8°26	5°19	19° 6	15°54	10°30	22°10	0° 6	1°19	6°19	6°34	W15
T 16	11 36 17	25°51'52	17°16	28°18	14°26	9°13	5°33	19° 6	15°54	10°31	22°11	0° 4	1°16	6°26	6°36	T 16
F 17	11 40 14	26°51'41	1°H33	29°17	15°40	10° 0	5°47	19° 5	15°54	10°32	22°11	29°H59	1°13	6°33	6°39	F 17
S 18	11 44 11	27°51'26	16°15	0°H19	16°55	10°48	6° 1	19° 5	15°55	10°33	22°11	29°53	1°10	6°40	6°42	S 18
S 19	11 48 7	28°51'10	1°H17	1°22	18°10	11°35	6°14	19° 5	15°55	10°34	22°11	29°45	1° 6	6°46	6°44	S 19
M20	11 52 4	29°50'51	16°31	2°29	19°24	12°22	6°28	19°D 5	15°R55	10°34	22°12	29°36	1° 3	6°53	6°47	M20
T 21	11 56 0	0°Y50'31	1°45	3°37	20°39	13° 9	6°42	19° 5	15°55	10°35	22°12	29°27	1° 0	7° 0	6°49	T 21
W22	11 59 57	1°50'08	16°49	4°48	21°53	13°56	6°56	19° 5	15°55	10°36	22°12	29°19	0°57	7° 6	6°51	W22
T 23	12 3 53	2°49'43	1°H34	6° 1	23° 8	14°43	7°10	19° 5	15°54	10°37	22°13	29°14	0°54	7°13	6°53	T 23
F 24	12 7 50	3°49'17	15°53	7°16	24°23	15°30	7°23	19° 5	15°54	10°37	22°13	29°11	0°51	7°20	6°55	F 24
S 25	12 11 46	4°48'49	29°43	8°32	25°37	16°18	7°37	19° 6	15°54	10°38	22°13	29°D10	0°47	7°27	6°57	S 25
S 26	12 15 43	5°48'19	13°H 4	9°51	26°52	17° 5	7°50	19° 6	15°54	10°38	22°14	29°11	0°44	7°33	6°59	S 26
M27	12 19 40	6°47'47	26° 0	11°11	28° 6	17°52	8° 4	19° 7	15°53	10°39	22°14	29°12	0°41	7°40	7° 1	M27
T 28	12 23 36	7°47'14	8°H33	12°33	29°21	18°39	8°17	19° 8	15°53	10°39	22°15	29°R12	0°38	7°47	7° 3	T 28
W29	12 27 33	8°46'39	20°49	13°56	0°Y35	19°26	8°31	19° 9	15°53	10°40	22°15	29°11	0°35	7°53	7° 5	W29
T 30	12 31 29	9°46'02	2°H52	15°22	1°50	20°13	8°44	19°10	15°52	10°40	22°16	29° 9	0°31	8° 0	7° 6	T 30
F 31	12 35 26	10°Y45'23	14°H48	16°H48	3°Y 5	21°H 0	8°H58	19°H11	15°H52	10°H41	22°II16	29°H 4	0°II28	8°H 7	7°H 7	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	7s30 26s 7	3s15 12s 3	2n21 13s58	1s 6 13s24	1s 6 11s31	0s49 21n59	0s 2 22s38	0n 2 22s 2	0n59 14n40	8s32 20n31	20n33 14s32	17s28 5n50				
T 2	7 7 25 11	3 58 12 19	2 8 13 34	1 8 13 7	1 6 11 26	0 49 22 0	0 2 22 38	0 2 22 2	0 59 14 40	8 32 20 30	20 33 14 30	17 27 5 50				
F 3	6 44 23 8	4 31 12 34	1 54 13 10	1 9 12 51	1 6 11 21	0 49 22 0	0 2 22 38	0 2 22 2	0 59 14 41	8 32 20 28	20 32 14 27	17 27 5 51				
S 4	6 21 20 5	4 52 12 46	1 41 12 45	1 11 12 35	1 6 11 15	0 49 22 0	0 1 22 38	0 2 22 2	0 59 14 41	8 31 20 25	20 32 14 25	17 26 5 52				
S 5	5 57 16 13	5 0 12 57	1 27 12 20	1 12 12 18	1 6 11 10	0 49 22 1	0 1 22 38	0 2 22 2	0 59 14 41	8 31 20 22	20 31 14 22	17 25 5 52				
M 6	5 34 11 44	4 55 13 5	1 14 11 55	1 14 12 1	1 6 11 5	0 49 22 1	0 1 22 38	0 2 22 2	0 59 14 41	8 31 20 19	20 30 14 20	17 24 5 53				
T 7	5 11 6 48	4 37 13 11	1 0 11 29	1 15 11 44	1 6 11 0	0 49 22 1	0 1 22 39	0 2 22 2	0 59 14 42	8 31 20 17	20 30 14 17	17 24 5 53				
W 8	4 47 1 37	4 7 13 16	0 47 11 3	1 16 11 27	1 6 10 55	0 49 22 2	0 1 22 39	0 2 22 2	0 59 14 42	8 30 20 14	20 29 14 15	17 23 5 54				
T 9	4 24 3n41	3 25 13 18	0 34 10 36	1 17 11 10	1 6 10 50	0 49 22 2	0 1 22 39	0 2 22 2	0 59 14 42	8 30 20 12	20 28 14 12	17 22 5 55				
F 10	4 0 8 54	2 34 13 19	0 22 10 10	1 18 10 53	1 6 10 45	0 49 22 2	0 1 22 39	0 1 22 2	0 59 14 42	8 30 20 11	20 28 14 9	17 21 5 55				
S 11	3 37 13 51	1 35 13 17	0 10 9 43	1 19 10 36	1 6 10 40	0 49 22 2	0 1 22 39	0 1 22 2	0 59 14 43	8 30 20 10	20 27 14 7	17 21 5 56				
S 12	3 13 18 20	0 31 13 14	0s 2 9 16	1 20 10 18	1 6 10 35	0 50 22 3	0 1 22 39	0 1 22 1	1 0 14 43	8 29 20 9	20 26 14 4	17 20 5 56				
M13	2 50 22 4	0n37 13 9	0 13 8 48	1 21 10 1	1 6 10 30	0 50 22 3	0 1 22 39	0 1 22 1	1 0 14 43	8 29 20 9	20 26 14 2	17 19 5 57				
T 14	2 26 24 46	1 44 13 3	0 24 8 21	1 22 9 43	1 6 10 25	0 50 22 3	0 0 22 39	0 1 22 1	1 0 14 43	8 29 20 9	20 25 13 59	17 18 5 58				
W15	2 2 26 10	2 48 12 54	0 34 7 53	1 23 9 25	1 6 10 20	0 50 22 3	0 0 22 39	0 1 22 1	1 0 14 43	8 29 20 9	20 25 13 57	17 18 5 58				
T 16	1 39 26 0	3 43 12 44	0 44 7 25	1 24 9 8	1 6 10 15	0 50 22 4	0 0 22 39	0 1 22 1	1 0 14 44	8 29 20 9	20 24 13 54	17 17 5 59				
F 17	1 15 24 9	4 27 12 33	0 53 6 56	1 24 8 50	1 6 10 10	0 50 22 4	0 0 22 39	0 1 22 1	1 0 14 44	8 28 20 8	20 23 13 51	17 16 6 0				
S 18	0 51 20 39	4 55 12 20	1 2 6 28	1 25 8 32	1 6 10 5	0 50 22 4	0 0 22 39	0 1 22 1	1 0 14 44	8 28 20 7	20 23 13 49	17 15 6 0				
S 19	0 27 15 44	5 4 12 5	1 11 5 59	1 25 8 14	1 6 10 0	0 50 22 4	0n 0 22 39	0 1 22 1	1 0 14 44	8 28 20 5	20 22 13 46	17 15 6 1				
M20	0 4 9 47	4 51 11 49	1 19 5 30	1 26 7 56	1 6 9 55	0 50 22 4	0 0 22 39	0 1 22 0	1 0 14 45	8 28 20 3	20 21 13 44	17 14 6 2				
T 21	0n20 3 14	4 17 11 31	1 27 5 1	1 26 7 38	1 6 9 50	0 51 22 4	0 0 22 39	0 1 22 0	1 0 14 45	8 27 20 1	20 21 13 41	17 13 6 2				
W22	0 44 3s26	3 26 11 12	1 34 4 32	1 27 7 20	1 6 9 45	0 51 22 4	0 0 22 39	0 1 22 0	1 0 14 45	8 27 19 59	20 20 13 38	17 12 6 3				
T 23	1 7 9 47	2 22 10 51	1 41 4 3	1 27 7 1	1 6 9 40	0 51 22 4	0 0 22 39	0 1 22 0	1 0 14 45	8 27 19 58	20 19 13 36	17 11 6 4				
F 24	1 31 15 27	1 11 10 29	1 47 3 34	1 27 6 43	1 5 9 35	0 51 22 4	0 1 22 39	0 1 22 0	1 0 14 46	8 27 19 58	20 19 13 33	17 11 6 4				
S 25	1 55 20 7	0s 3 10 6	1 53 3 4	1 27 6 25	1 5 9 30	0 51 22 4	0 1 22 39	0 1 22 0	1 0 14 46	8 26 19 57	20 18 13 31	17 10 6 5				
S 26	2 18 23 34	1 14 9 42	1 58 2 35	1 27 6 6	1 5 9 25	0 51 22 4	0 1 22 39	0 1 22 0	1 0 14 46	8 26 19 58	20 17 13 28	17 9 6 5				
M27	2 42 25 40	2 19 9 16	2 3 2 5	1 27 5 28	1 5 9 20	0 51 22 4	0 1 22 39	0 1 22 0	1 0 14 46	8 26 19 58	20 17 13 25	17 8 6 6				
T 28	3 5 26 24	3 15 8 49	2 7 1 36	1 27 5 49	1 5 9 15	0 51 22 4	0 1 22 39	0 1 22 0	1 0 14 47	8 26 19 58	20 16 13 23	17 8 6 7				
W29	3 29 25 47	4 1 8 20	2 11 1 6	1 27 5 11	1 5 9 10	0 52 22 4	0 1 22 39	0 1 22 0	1 0 14 47	8 26 19 58	20 15 13 20	17 7 6 7				
T 30	3 52 23 58	4 36 7 50	2 15 0 36	1 27 4 52	1 5 9 5	0 52 22 4	0 1 22 39	0 1 22 0	1 0 14 47	8 25 19 57	20 15 13 17	17 6 6 8				
F 31	4n15 21s 7	4s58 7s20	2s18 0s 6	1s27 4s33	1s 5 9s 0	0s52 22n 4	0n 1 22s39	0n 1 22s 0	1n 0 14n47	8s25 19n56	20n14 13s15	17s 5 6n 9				

Julian Day Number = 2507121.5, Delta T = 123.16 sec
Ecliptic obliquity = 23°25'15, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°51'59, Lahiri = 25°59'00

ASTRODIENST EPHEMERIS for the year 2152

geocentric

APRIL 2152

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 39 22	11°44'43	26°39	18°17	4°19	21°47	9°11	19°12	15°R51	10°341	22°117	28°R57	0°1125	8°14	7°9	S 1
S 2	12 43 19	12°44'00	8°30	19°46	5°33	22°34	9°24	19°13	15°450	10°41	22°18	28°48	0°22	8°20	7°10	S 2
M 3	12 47 15	13°43'16	20°24	21°18	6°48	23°21	9°37	19°15	15°50	10°42	22°18	28°39	0°19	8°27	7°11	M 3
T 4	12 51 12	14°42'29	2°21	22°50	8°2	24°8	9°50	19°16	15°49	10°42	22°19	28°31	0°16	8°34	7°12	T 4
W 5	12 55 9	15°41'41	14°24	24°25	9°17	24°55	10°4	19°18	15°48	10°42	22°19	28°23	0°12	8°41	7°13	W 5
T 6	12 59 5	16°40'51	26°35	26°0	10°31	25°42	10°17	19°20	15°47	10°43	22°20	28°17	0°9	8°47	7°14	T 6
F 7	13 3 2	17°39'58	8°54	27°38	11°46	26°29	10°29	19°22	15°47	10°43	22°21	28°13	0°6	8°54	7°15	F 7
S 8	13 6 58	18°39'04	21°22	29°16	13°0	27°16	10°42	19°24	15°46	10°43	22°21	28°12	0°3	9°1	7°16	S 8
S 9	13 10 55	19°38'07	4°11	0°56	14°15	28°3	10°55	19°26	15°45	10°43	22°22	28°D12	29°859	9°7	7°16	S 9
M10	13 14 51	20°37'08	16°56	2°38	15°29	28°49	11°8	19°28	15°44	10°43	22°23	28°13	29°57	9°14	7°17	M10
T 11	13 18 48	21°36'07	0°5	4°21	16°43	29°36	11°21	19°30	15°43	10°43	22°24	28°14	29°53	9°21	7°17	T 11
W12	13 22 44	22°35'04	13°32	6°6	17°58	0°23	11°33	19°33	15°41	10°R43	22°24	28°15	29°50	9°28	7°18	W12
T 13	13 26 41	23°33'58	27°18	7°52	19°12	1°10	11°46	19°35	15°40	10°43	22°25	28°R16	29°47	9°34	7°18	T 13
F 14	13 30 38	24°32'50	11°24	9°39	20°26	1°56	11°58	19°38	15°39	10°43	22°26	28°15	29°44	9°41	7°18	F 14
S 15	13 34 34	25°31'40	25°48	11°28	21°41	2°43	12°11	19°41	15°38	10°43	22°27	28°12	29°41	9°48	7°R18	S 15
S 16	13 38 31	26°30'27	10°29	13°19	22°55	3°30	12°23	19°43	15°37	10°43	22°28	28°8	29°37	9°54	7°18	S 16
M17	13 42 27	27°29'12	25°19	15°11	24°9	4°16	12°35	19°46	15°35	10°43	22°28	28°4	29°34	10°1	7°18	M17
T 18	13 46 24	28°27'55	10°12	17°5	25°23	5°3	12°47	19°49	15°34	10°42	22°29	28°0	29°31	10°8	7°18	T 18
W19	13 50 20	29°26'36	25°0	19°0	26°38	5°50	12°59	19°52	15°32	10°42	22°30	27°56	29°28	10°15	7°18	W19
T 20	13 54 17	0°25'15	9°13	20°57	27°52	6°36	13°11	19°56	15°31	10°42	22°31	27°54	29°25	10°21	7°17	T 20
F 21	13 58 13	1°23'52	23°48	22°55	29°6	7°23	13°23	19°59	15°29	10°42	22°32	27°D53	29°22	10°28	7°17	F 21
S 22	14 2 10	2°22'28	7°39	24°55	0°20	8°9	13°35	20°2	15°28	10°41	22°33	27°53	29°18	10°35	7°16	S 22
S 23	14 6 7	3°21'01	21°4	26°56	1°34	8°55	13°47	20°6	15°26	10°41	22°34	27°54	29°15	10°42	7°16	S 23
M24	14 10 3	4°19'33	4°5	28°59	2°49	9°42	13°59	20°9	15°25	10°41	22°35	27°56	29°12	10°48	7°15	M24
T 25	14 14 0	5°18'03	16°44	1°3	4°3	10°28	14°10	20°13	15°23	10°40	22°36	27°57	29°9	10°55	7°14	T 25
W26	14 17 56	6°16'32	29°5	3°8	5°17	11°15	14°22	20°17	15°21	10°40	22°37	27°58	29°6	11°2	7°13	W26
T 27	14 21 53	7°14'59	11°11	5°14	6°31	12°1	14°33	20°21	15°20	10°39	22°38	27°R58	29°2	11°8	7°12	T 27
F 28	14 25 49	8°13'24	23°8	7°21	7°45	12°47	14°44	20°25	15°18	10°39	22°39	27°57	28°59	11°15	7°11	F 28
S 29	14 29 46	9°11'48	5°1	9°29	8°59	13°33	14°56	20°29	15°16	10°38	22°40	27°56	28°56	11°22	7°10	S 29
S 30	14 33 42	10°10'10	16°53	11°38	10°13	14°20	15°17	20°33	15°14	10°38	22°41	27°53	28°53	11°29	7°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	decl	lat	
S 1	4n38	17s25	5s 7	6s47	2s21	0n24	1s26	4s15	1 s 4	8s55	0s52	22n 4	0n 1	22s39	0n 1	22s 0	1n 0	14n48	8s25	19n54	20n13	13s12	17s 5	6n 9						
S 2	5 2	13 3	5 3	6 14	2 23	0 53	1 26	3 56	1 4	8 51	0 52	22 4	0 1	22 39	0 1	22 0	1 0	14 48	8 25	19 53	20 13	13 9	17 4	6 10						
M 3	5 25	8 11	4 46	5 40	2 24	1 23	1 26	3 37	1 4	8 46	0 52	22 4	0 2	22 39	0 1	22 0	1 0	14 48	8 24	19 51	20 12	13 7	17 3	6 11						
T 4	5 48	2 59	4 16	5 4	2 26	1 53	1 25	3 18	1 4	8 41	0 52	22 4	0 2	22 39	0 1	22 0	1 0	14 48	8 24	19 49	20 11	13 4	17 3	6 11						
W 5	6 10	2n23	3 34	4 27	2 26	2 23	1 25	3 0	1 4	8 36	0 53	22 4	0 2	22 39	0 1	21 59	1 0	14 49	8 24	19 47	20 11	13 2	17 2	6 12						
T 6	6 33	7 43	2 43	3 50	2 26	2 53	1 24	2 41	1 4	8 31	0 53	22 4	0 2	22 39	0 1	21 59	1 0	14 49	8 24	19 46	20 10	12 59	17 1	6 13						
F 7	6 56	12 50	1 43	3 11	2 26	3 22	1 23	2 22	1 3	8 27	0 53	22 3	0 2	22 38	0 1	21 59	1 0	14 49	8 24	19 45	20 9	12 56	17 0	6 14						
S 8	7 18	17 30	0 37	2 31	2 25	3 52	1 22	2 3	1 3	8 22	0 53	22 3	0 2	22 38	0 1	21 59	1 0	14 49	8 23	19 45	20 9	12 53	17 0	6 14						
S 9	7 41	21 28	0n32	1 50	2 24	4 21	1 22	1 44	1 3	8 17	0 53	22 3	0 2	22 38	0 1	21 59	1 0	14 50	8 23	19 45	20 8	12 51	16 59	6 15						
M10	8 3	24 26	1 40	1 8	2 22	4 51	1 21	1 26	1 3	8 12	0 53	22 3	0 2	22 38	0 1	21 59	1 0	14 50	8 23	19 45	20 7	12 48	16 58	6 16						
T 11	8 25	26 10	2 45	0 25	2 20	5 20	1 20	1 7	1 2	8 8	0 53	22 3	0 2	22 38	0 1	21 59	1 0	14 50	8 23	19 45	20 7	12 45	16 58	6 16						
W12	8 47	26 25	3 42	0n19	2 17	5 50	1 19	0 48	1 2	8 3	0 54	22 2	0 2	22 38	0 1	21 59	1 0	14 50	8 23	19 45	20 6	12 43	16 57	6 17						
T 13	9 9	25 3	4 28	1 4	2 14	6 19	1 18	0 29	1 2	7 58	0 54	22 2	0 3	22 38	0 1	21 59	1 0	14 51	8 22	19 45	20 5	12 40	16 56	6 18						
F 14	9 30	22 8	4 59	1 50	2 10	6 48	1 17	0 10	1 2	7 54	0 54	22 2	0 3	22 38	0 1	21 59	1 0	14 51	8 22	19 45	20 5	12 37	16 56	6 18						
S 15	9 52	17 47	5 12	2 36	2 6	7 16	1 16	0n 8	1 1	7 49	0 54	22 1	0 3	22 38	0 1	21 59	1 0	14 51	8 22	19 45	20 4	12 35	16 55	6 19						
S 16	10 13	12 20	5 5	3 23	2 1	7 45	1 14	0 27	1 1	7 45	0 54	22 1	0 3	22 37	0 1	21 59	1 0	14 51	8 22	19 44	20 3	12 32	16 54	6 20						
M17	10 34	6 6	4 37	4 12	1 56	8 14	1 13	0 46	1 1	7 40	0 54	22 1	0 3	22 37	0 1	21 59	1 0	14 52	8 22	19 43	20 3	12 29	16 54	6 20						
T 18	10 55	0s29	3 52	5 0	1 50	8 42	1 12	1 5	1 1	7 36	0 55	22 0	0 3	22 37	0 1	21 59	1 0	14 52	8 21	19 42	20 2	12 27	16 53	6 21						
W19	11 16	7 2	2 50	5 50	1 44	9 10	1 10	1 23	1 0	7 31	0 55	22 0	0 3	22 37	0 1	21 59	1 0	14 52	8 21	19 41	20 1	12 24	16 52	6 22						
T 20	11 37	13 6	1 39	6 40	1 37	9 38	1 9	1 42	1 0	7 27	0 55	22 0	0 3	22 37	0 1	21 59	1 0	14 52	8 21	19 41	20 1	12 21	16 52	6 22						
F 21	11 57	18 21	0 22	7 31	1 30	10 6	1 8	2 1	1 0	7 22	0 55	21 59	0 3	22 37	0 1	21 59	1 0	14 53	8 21	19 40	20 0	12 18	16 51	6 23						
S 22	12 17	22 27	0s53	8 22	1 22	10 33	1 6	2 19	0 59	7 18	0 55	21 59	0 3	22 37	0 1	21 59	1 1	14 53	8 21	19 40	19 59	12 16	16 50	6 23						
S 23	12 37	25 11	2 4	9 13	1 14	11 0	1 4	2 38	0 59	7 14	0 55	21 58	0 3	22 36	0 1	21 59	1 1	14 53	8 20	19 41	19 58	12 13	16 50	6 24						
M24	12 57	26 27	3 6	10 5	1 5	11 27	1 3	2 56	0 59	7 9	0 56	21 58	0 3	22 36	0 1	21 59	1 1	14 53	8 20	19 41	19 58	12 10	16 49	6 25						
T 25	13 17	26 18	3 57	10 57	0 57	11 54	1 1	3 15	0 58	7 5	0 56	21 58	0 4	22 36	0 1	21 59	1 1	14 54	8 20	19 41	19 57	12 7	16 49	6 25						
W26	13 36	24 49	4 36	11 48	0 47	12 20	0 59	3 33	0 58	7 1	0 56	21 57	0 4	22 36	0 1	21 59	1 1	14 54	8 20	19 41	19 56	12 5	16 48	6 26						
T 27	13 55	22 14	5 1	12 40	0 37	12 46	0 58	3 52	0 58	6 57	0 56	21 57	0 4	22 36	0 1	21 59	1 1	14 54	8 20	19 42	19 56	12 2	16 47	6 27						
F 28	14 14	18 44	5 14	13 31	0 27	13 12	0 56	4 10	0 57	6 52	0 56	21 56	0 4	22 36	0 1	21 59	1 1	14 54	8 20	19 41	19 55	11 59	16 47	6 27						
S 29	14 33	14 30	5 12	14 22	0 17	13 38	0 54	4 28	0 57	6 48	0 57	21 56	0 4	22 35	0 1	21 59	1 1	14 54	8 19	19 41	19 54	11 56	16 46	6 28						
S 30	14n51	9s45	4s58	15n12	0s 7	14n 3	0s52	4n46	0s57	6s44	0s57	21n55	0n 4	22s35	0n 1	21s59	1n 1	14n55	8s19	19n40	19n54	11s54	16s46	6n29						

ASTRODIENST EPHEMERIS for the year 2152

geocentric

MAY 2152

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	14 37 39	11♈ 8'31	28♋ 48	13♈ 47	11♈ 28	15♏ 6	15♋ 18	20♊ 37	15♏ R12	10♏ R37	22♏ 42	27♏ R51	28♏ 50	11♋ 35	7♏ R 7	M 1
T 2	14 41 36	12° 6'50	10♏ 50	15° 56	12° 42	15° 52	15° 29	20° 41	15♋ 10	10♊ 36	22° 43	27♋ 48	28° 47	11° 42	7♋ 6	T 2
W 3	14 45 32	13° 5'07	23° 1	18° 5	13° 56	16° 38	15° 40	20° 46	15° 8	10° 36	22° 44	27° 46	28° 43	11° 49	7° 4	W 3
T 4	14 49 29	14° 3'22	5♈ 24	20° 14	15° 10	17° 24	15° 50	20° 50	15° 6	10° 35	22° 46	27° 45	28° 40	11° 55	7° 3	T 4
F 5	14 53 25	15° 1'36	17° 58	22° 22	16° 24	18° 10	16° 1	20° 55	15° 4	10° 34	22° 47	27° 44	28° 37	12° 2	7° 1	F 5
S 6	14 57 22	15° 59'48	0♏ 45	24° 29	17° 38	18° 56	16° 11	20° 59	15° 2	10° 34	22° 48	27° D44	28° 34	12° 9	6° 59	S 6
S 7	15 1 18	16° 57'59	13° 46	26° 35	18° 52	19° 42	16° 22	21° 4	15° 0	10° 33	22° 49	27° 44	28° 31	12° 16	6° 57	S 7
M 8	15 5 15	17° 56'08	27° 0	28° 39	20° 6	20° 28	16° 32	21° 9	14° 58	10° 32	22° 50	27° 45	28° 28	12° 22	6° 56	M 8
T 9	15 9 11	18° 54'15	10♊ 28	0♏ 41	21° 20	21° 14	16° 42	21° 14	14° 56	10° 31	22° 51	27° 45	28° 24	12° 29	6° 54	T 9
W10	15 13 8	19° 52'20	24° 9	2° 41	22° 34	22° 0	16° 52	21° 19	14° 54	10° 30	22° 53	27° 46	28° 21	12° 36	6° 51	W10
T 11	15 17 5	20° 50'23	8♏ 2	4° 39	23° 48	22° 45	17° 2	21° 24	14° 52	10° 30	22° 54	27° 47	28° 18	12° 42	6° 49	T 11
F 12	15 21 1	21° 48'24	22° 6	6° 34	25° 2	23° 31	17° 12	21° 29	14° 50	10° 29	22° 55	27° R47	28° 15	12° 49	6° 47	F 12
S 13	15 24 58	22° 46'23	6♏ 21	8° 27	26° 16	24° 17	17° 22	21° 34	14° 47	10° 28	22° 56	27° 47	28° 12	12° 56	6° 45	S 13
S 14	15 28 54	23° 44'20	20° 42	10° 17	27° 29	25° 2	17° 32	21° 39	14° 45	10° 27	22° 57	27° 46	28° 8	13° 3	6° 42	S 14
M15	15 32 51	24° 42'15	5♈ 8	12° 3	28° 43	25° 48	17° 41	21° 45	14° 43	10° 26	22° 59	27° 46	28° 5	13° 9	6° 40	M15
T 16	15 36 47	25° 40'09	19° 34	13° 46	29° 57	26° 33	17° 51	21° 50	14° 40	10° 25	23° 0	27° 46	28° 2	13° 16	6° 38	T 16
W17	15 40 44	26° 38'01	3♏ 54	15° 27	1♏ 11	27° 19	18° 0	21° 55	14° 38	10° 24	23° 1	27° 46	27° 59	13° 23	6° 35	W17
T 18	15 44 40	27° 35'51	18° 5	17° 3	2° 25	28° 4	18° 9	22° 1	14° 36	10° 23	23° 3	27° D46	27° 56	13° 30	6° 32	T 18
F 19	15 48 37	28° 33'40	2♏ 1	18° 37	3° 39	28° 50	18° 18	22° 7	14° 34	10° 22	23° 4	27° R46	27° 53	13° 36	6° 30	F 19
S 20	15 52 34	29° 31'27	15° 40	20° 7	4° 53	29° 35	18° 27	22° 12	14° 31	10° 21	23° 5	27° 46	27° 49	13° 43	6° 27	S 20
S 21	15 56 30	0♏ 29'13	28° 59	21° 33	6° 6	0♏ 20	18° 36	22° 18	14° 29	10° 19	23° 6	27° 45	27° 46	13° 50	6° 24	S 21
M22	16 0 27	1° 26'58	11♋ 58	22° 56	7° 20	1° 6	18° 44	22° 24	14° 26	10° 18	23° 8	27° 45	27° 43	13° 56	6° 21	M22
T 23	16 4 23	2° 24'42	24° 37	24° 15	8° 34	1° 51	18° 53	22° 30	14° 24	10° 17	23° 9	27° 44	27° 40	14° 3	6° 18	T 23
W24	16 8 20	3° 22'25	7♏ 0	25° 31	9° 48	2° 36	19° 1	22° 36	14° 22	10° 16	23° 10	27° 44	27° 37	14° 10	6° 15	W24
T 25	16 12 16	4° 20'06	19° 9	26° 42	11° 2	3° 21	19° 9	22° 42	14° 19	10° 15	23° 12	27° 43	27° 34	14° 17	6° 12	T 25
F 26	16 16 13	5° 17'47	1♋ 8	27° 51	12° 15	4° 6	19° 18	22° 48	14° 17	10° 13	23° 13	27° D43	27° 30	14° 23	6° 9	F 26
S 27	16 20 9	6° 15'26	13° 2	28° 55	13° 29	4° 51	19° 25	22° 54	14° 14	10° 12	23° 14	27° 43	27° 27	14° 30	6° 6	S 27
S 28	16 24 6	7° 13'04	24° 55	29° 55	14° 43	5° 36	19° 33	23° 0	14° 12	10° 11	23° 16	27° 44	27° 24	14° 37	6° 3	S 28
M29	16 28 3	8° 10'42	6♏ 52	0♏ 52	15° 57	6° 21	19° 41	23° 6	14° 9	10° 10	23° 17	27° 44	27° 21	14° 43	5° 59	M29
T 30	16 31 59	9° 8'18	17° 57	1° 44	17° 10	7° 6	19° 49	23° 12	14° 7	10° 8	23° 18	27° 45	27° 18	14° 50	5° 56	T 30
W31	16 35 56	10♏ 5'54	1♋ 14	2♏ 32	18♏ 24	7♋ 50	19♋ 56	23♏ 19	14♋ 4	10♋ 7	23♏ 20	27♋ 46	27♋ 14	14♋ 57	5♋ 53	W31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	15n10	4s36	4s30	16n 1	0n 4	14n28	0s50	5n 5	0s56	6s40	0s57	21n55	0n 4	22s35	0n 1	21s59	1n 1	14n55	8s19	19n40	19n53	11s51	16s45	6n29					
T 2	15 28	0n45	3 51	16 50	0 14	14 52	0 48	5 23	0 56	6 36	0 57	21 54	0 4	22 35	0 1	21 59	1 1	14 55	8 19	19 39	19 52	11 48	16 45	6 30					
W 3	15 45	6 9	3 0	17 36	0 25	15 16	0 46	5 41	0 55	6 32	0 57	21 53	0 4	22 35	0 1	21 59	1 1	14 55	8 19	19 39	19 52	11 45	16 44	6 30					
T 4	16 3	11 25	2 0	18 22	0 36	15 40	0 44	5 59	0 55	6 28	0 58	21 53	0 4	22 34	0 1	21 59	1 1	14 56	8 19	19 38	19 51	11 43	16 44	6 31					
F 5	16 20	16 19	0 54	19 5	0 46	16 3	0 42	6 17	0 55	6 24	0 58	21 52	0 4	22 34	0 1	21 59	1 1	14 56	8 18	19 38	19 50	11 40	16 43	6 32					
S 6	16 37	20 34	0n17	19 47	0 56	16 26	0 40	6 34	0 54	6 20	0 58	21 52	0 5	22 34	0 1	21 59	1 1	14 56	8 18	19 38	19 49	11 37	16 42	6 32					
S 7	16 53	23 53	1 28	20 27	1 6	16 49	0 38	6 52	0 54	6 16	0 58	21 51	0 5	22 34	0 1	21 59	1 1	14 56	8 18	19 38	19 49	11 34	16 42	6 33					
M 8	17 10	25 58	2 35	21 5	1 16	17 11	0 36	7 10	0 53	6 12	0 58	21 50	0 5	22 34	0 1	22 0	1 1	14 56	8 18	19 39	19 48	11 32	16 42	6 33					
T 9	17 26	26 35	3 35	21 40	1 25	17 32	0 34	7 27	0 53	6 9	0 59	21 50	0 5	22 33	0 1	22 0	1 1	14 57	8 18	19 39	19 47	11 29	16 41	6 34					
W10	17 42	25 36	4 24	22 13	1 33	17 53	0 32	7 45	0 53	6 5	0 59	21 49	0 5	22 33	0 1	22 0	1 1	14 57	8 18	19 39	19 47	11 26	16 41	6 35					
T 11	17 57	23 3	4 58	22 43	1 41	18 14	0 29	8 2	0 52	6 1	0 59	21 48	0 5	22 33	0 1	22 0	1 1	14 57	8 18	19 39	19 46	11 23	16 40	6 35					
F 12	18 12	19 6	5 15	23 11	1 49	18 34	0 27	8 20	0 52	5 58	0 59	21 47	0 5	22 33	0 1	22 0	1 1	14 57	8 17	19 39	19 45	11 20	16 40	6 36					
S 13	18 27	14 1	5 13	23 36	1 56	18 54	0 25	8 37	0 51	5 54	0 59	21 47	0 5	22 32	0 1	22 0	1 1	14 57	8 17	19 39	19 45	11 18	16 39	6 36					
S 14	18 42	8 9	4 52	23 59	2 2	19 13	0 22	8 54	0 51	5 50	1 0	21 46	0 5	22 32	0 1	22 0	1 1	14 58	8 17	19 39	19 44	11 15	16 39	6 37					
M15	18 56	1 49	4 12	24 19	2 7	19 32	0 20	9 11	0 50	5 47	1 0	21 45	0 5	22 32	0 1	22 0	1 1	14 58	8 17	19 39	19 43	11 12	16 38	6 37					
T 16	19 10	4s37	3 16	24 36	2 11	19 50	0 18	9 28	0 50	5 43	1 0	21 44	0 5	22 32	0 1	22 0	1 1	14 58	8 17	19 39	19 42	11 9	16 38	6 38					
W17	19 23	10 48	2 8	24 52	2 15	20 8	0 16	9 44	0 49	5 40	1 0	21 44	0 5	22 31	0 1	22 0	1 1	14 58	8 17	19 39	19 42	11 6	16 38	6 38					
T 18	19 37	16 21	0 53	25 5	2 18	20 25	0 13	10 1	0 49	5 37	1 1	21 43	0 6	22 31	0 1	22 0	1 1	14 58	8 17	19 39	19 41	11 4	16 37	6 39					
F 19	19 49	20 56	0s24	25 15	2 20	20 41	0 11	10 18	0 48	5 33	1 1	21 42	0 6	22 31	0 1	22 0	1 1	14 59	8 16	19 39	19 40	11 1	16 37	6 39					
S 20	20 2	24 16	1 38	25 24	2 21	20 57	0 8	10 34	0 48	5 30	1 1	21 41	0 6	22 31	0 1	22 0	1 1	14 59	8 16	19 39	19 40	10 58	16 36	6 40					
S 21	20 14	26 10	2 45	25 30	2 21	21 13	0 6	10 51	0 47	5 27	1 1	21 40	0 6	22 30	0 1	22 0	1 1	14 59	8 16	19 39	19 39	10 55	16 36	6 40					
M22	20 26	26 33	3 41	25 34	2 21	21 27	0 4	11 7	0 47	5 24	1 2	21 39	0 6	22 30	0 1	22 0	1 1	14 59	8 16	19 39	19 38	10 52	16 36	6 41					
T 23	20 38	25 32	4 25	25 37	2 19	21 42	0 1	11 23	0 46	5 21	1 2	21 39	0 6	22 30	0 1	22 0	1 1	14 59	8 16	19 38	19 37	10 49	16 35	6 41					
W24	20 49	23 17	4 56	25 37	2 17	21 55	0n 1	11 39	0 46	5 18	1 2	21 38	0 6	22 30	0 1	22 1	1 1	14 59	8 16	19 38	19 37	10 47	16 35	6 42					
T 25	21 0	20 1	5 13	25 36	2 13	22 8	0 4	11 55	0 45	5 15	1 2	21 37	0 6	22 29	0 1	22 1	1 1	15 0	8 16	19 38	19 36	10 44	16 35	6 42					
F 26	21 10	15 59	5 16	25 34	2 9	22 21	0 6	12 10	0 45	5 12	1 3	21 36	0 6	22 29	0 1	22 1	1 1	15 0	8 16	19 38	19 35	10 41	16 34	6 43					
S 27	21 20	11 22	5 5	25 29	2 4	22 32	0 8	12 26	0 44	5 9	1 3	21 35	0 6	22 29	0 1	22 1	1 1	15 0	8 16	19 38	19 35	10 38	16 34	6 43					
S 28	21 30	6 20	4 42	25 24	1 58	22 43	0 11	12 41	0 44	5 6	1 3	21 34	0 6	22 28	0 1	22 1	1 1	15 0	8 16	19 38	19 34	10 35	16 34	6 43					
M29	21 39	1 2	4 6	25 17	1 52	22 54	0 13	12 57	0 43	5 3	1 3	21 33	0 6	22 28	0 1	22 1	1 1	15 0	8 15	19 38	19 33	10 32	16 34	6 44					
T 30	21 48	4n21	3 19	25 8	1 44	23 4	0 16	13 12	0 43	5 0	1 4	21 32	0 7	22 28	0 1	22 1	1 1	15 0	8 15	19 39	19 32	10 29	16 33	6 44					
W31	21n57	9n41	2s22	24n59	1n35	23n13	0n18	13n27	0s42	4s58	1s 4	21n31	0n 7	22s28	0n 1	22s 1	1n 1	15n 1	8s15	19n39	19n32	10s27	16s33	6n45					

ASTRODIENST EPHEMERIS for the year 2152
geocentric

JUNE 2152

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 39 52	11 ^{II} 3'28	13 ⁸ 46	3 ⁵ 16	19 ^{II} 38	8 ⁸ 35	20 ^{II} 3	23 ⁵ 25	14 ^R 2	10 ^R 6	23 ^{II} 21	27 ⁸ 47	27 ⁸ 11	15 ^{II} 4	5 ^R 49	T 1
F 2	16 43 49	12° 1'02	26°34	3°56	20°52	9°20	20°10	23°32	14 ^{II} 0	10 ^{II} 4	23°23	27°R48	27° 8	15°10	5 ^{II} 46	F 2
S 3	16 47 45	12°58'34	9 ^{II} 41	4°32	22° 5	10° 4	20°17	23°38	13°57	10° 3	23°24	27°47	27° 5	15°17	5°42	S 3
S 4	16 51 42	13°56'06	23° 5	5° 3	23°19	10°49	20°24	23°45	13°55	10° 1	23°25	27°46	27° 2	15°24	5°39	S 4
M 5	16 55 38	14°53'37	6 ^{II} 45	5°30	24°33	11°34	20°31	23°51	13°52	10° 0	23°27	27°45	26°59	15°30	5°35	M 5
T 6	16 59 35	15°51'06	20°39	5°52	25°46	12°18	20°37	23°58	13°50	9°59	23°28	27°42	26°55	15°37	5°31	T 6
W 7	17 3 32	16°48'35	4 ^{II} 43	6° 9	27° 0	13° 2	20°43	24° 5	13°47	9°57	23°30	27°40	26°52	15°44	5°28	W 7
T 8	17 7 28	17°46'02	18°54	6°22	28°14	13°47	20°50	24°11	13°45	9°56	23°31	27°38	26°49	15°51	5°24	T 8
F 9	17 11 25	18°43'28	3 ^{II} 8	6°31	29°27	14°31	20°56	24°18	13°42	9°54	23°32	27°36	26°46	15°57	5°20	F 9
S 10	17 15 21	19°40'53	17°23	6°R34	0 ^{II} 41	15°15	21° 2	24°25	13°40	9°53	23°34	27°D35	26°43	16° 4	5°16	S 10
S 11	17 19 18	20°38'16	1 ^{II} 35	6°34	1°54	15°59	21° 7	24°32	13°37	9°51	23°35	27°36	26°40	16°11	5°13	S 11
M12	17 23 14	21°35'39	15°43	6°28	3° 8	16°44	21°13	24°39	13°35	9°50	23°37	27°37	26°36	16°17	5° 9	M12
T 13	17 27 11	22°33'00	29°45	6°19	4°22	17°28	21°18	24°46	13°32	9°48	23°38	27°38	26°33	16°24	5° 5	T 13
W14	17 31 7	23°30'20	13 ^{II} 38	6° 5	5°35	18°12	21°23	24°53	13°30	9°47	23°39	27°39	26°30	16°31	5° 1	W14
T 15	17 35 4	24°27'40	27°21	5°47	6°49	18°55	21°28	25° 0	13°27	9°45	23°41	27°R40	26°27	16°38	4°57	T 15
F 16	17 39 1	25°24'59	10 ^{II} 53	5°26	8° 2	19°39	21°33	25° 7	13°25	9°44	23°42	27°39	26°24	16°44	4°53	F 16
S 17	17 42 57	26°22'17	24°11	5° 2	9°16	20°23	21°38	25°14	13°23	9°42	23°44	27°37	26°20	16°51	4°49	S 17
S 18	17 46 54	27°19'34	7 ^{II} 15	4°34	10°29	21° 7	21°42	25°21	13°20	9°40	23°45	27°34	26°17	16°58	4°45	S 18
M19	17 50 50	28°16'51	20° 4	4° 4	11°43	21°51	21°47	25°28	13°18	9°39	23°46	27°29	26°14	17° 4	4°41	M19
T 20	17 54 47	29°14'07	2 ^{II} 38	3°32	12°56	22°34	21°51	25°36	13°16	9°37	23°48	27°24	26°11	17°11	4°37	T 20
W21	17 58 43	0 ^{II} 11'23	14°58	2°59	14°10	23°18	21°55	25°43	13°13	9°36	23°49	27°19	26° 8	17°18	4°33	W21
T 22	18 2 40	1° 8'39	27° 5	2°25	15°23	24° 1	21°59	25°50	13°11	9°34	23°51	27°14	26° 5	17°25	4°29	T 22
F 23	18 6 37	2° 5'54	9 ^{II} 4	1°50	16°37	24°45	22° 2	25°58	13° 9	9°33	23°52	27°11	26° 1	17°31	4°25	F 23
S 24	18 10 33	3° 3'09	20°58	1°16	17°50	25°28	22° 6	26° 5	13° 6	9°31	23°53	27° 8	25°58	17°38	4°21	S 24
S 25	18 14 30	4° 0'24	2 ^{II} 50	0°43	19° 4	26°11	22° 9	26°12	13° 4	9°29	23°55	27°D 7	25°55	17°45	4°17	S 25
M26	18 18 26	4°57'38	14°47	0°11	20°17	26°55	22°12	26°20	13° 2	9°28	23°56	27° 8	25°52	17°51	4°13	M26
T 27	18 22 23	5°54'53	26°52	29 ^{II} 41	21°31	27°38	22°15	26°27	13° 0	9°26	23°58	27° 9	25°49	17°58	4° 9	T 27
W28	18 26 19	6°52'07	9 ^{II} 11	29°13	22°44	28°21	22°18	26°35	12°57	9°24	23°59	27°11	25°46	18° 5	4° 5	W28
T 29	18 30 16	7°49'22	21°47	28°49	23°58	29° 4	22°20	26°42	12°55	9°23	24° 0	27°R12	25°42	18°12	4° 2	T 29
F 30	18 34 12	8°46'36	4 ^{II} 45	28 ^{II} 28	25°51	29°47	22°23	26°50	12°53	9°21	24°II 2	27°B12	25°39	18°18	3°58	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	22n 5	14n44	1s17	24n49	1n26	23n21	0n20	13n42	0s42	4s55	1s 4	21n30	0n 7	22s27	0n 1	22s 1	1n 1	15n 1	8s15	19n39	19n31	10s24	16s33	6n45	
F 2	22 13	19 16	0 7	24 37	1 16	23 29	0 23	13 57	0 41	4 53	1 4	21 29	0 7	22 27	0 1	22 1	1 1	15 1	8 15	19 39	19 30	10 21	16 33	6 45	
S 3	22 20	22 58	1n 5	24 25	1 5	23 36	0 25	14 11	0 40	4 50	1 5	21 28	0 7	22 27	0 1	22 1	1 1	15 1	8 15	19 39	19 29	10 18	16 32	6 46	
S 4	22 27	25 29	2 15	24 12	0 53	23 43	0 27	14 26	0 40	4 48	1 5	21 27	0 7	22 26	0 1	22 1	1 1	15 1	8 15	19 39	19 29	10 15	16 32	6 46	
M 5	22 34	26 33	3 19	23 58	0 40	23 48	0 30	14 40	0 39	4 45	1 5	21 26	0 7	22 26	0 1	22 2	1 1	15 1	8 15	19 38	19 28	10 12	16 32	6 46	
T 6	22 40	25 59	4 11	23 44	0 26	23 53	0 32	14 54	0 39	4 43	1 5	21 25	0 7	22 26	0 1	22 2	1 1	15 1	8 15	19 38	19 27	10 9	16 32	6 47	
W 7	22 46	23 45	4 50	23 29	0 12	23 58	0 34	15 8	0 38	4 41	1 6	21 24	0 7	22 26	0 1	22 2	1 1	15 1	8 15	19 37	19 27	10 7	16 32	6 47	
T 8	22 52	20 4	5 11	23 14	0s 2	24 1	0 37	15 22	0 37	4 39	1 6	21 23	0 7	22 25	0 1	22 2	1 1	15 2	8 15	19 37	19 26	10 4	16 32	6 47	
F 9	22 57	15 12	5 13	22 58	0 18	24 4	0 39	15 36	0 37	4 36	1 6	21 22	0 7	22 25	0 1	22 2	1 1	15 2	8 15	19 37	19 25	10 1	16 31	6 48	
S 10	23 1	9 31	4 56	22 42	0 34	24 6	0 41	15 49	0 36	4 34	1 6	21 20	0 7	22 25	0 1	22 2	1 1	15 2	8 15	19 36	19 24	9 58	16 31	6 48	
S 11	23 5	3 22	4 21	22 25	0 50	24 8	0 43	16 3	0 36	4 32	1 7	21 19	0 8	22 24	0 1	22 2	1 1	15 2	8 14	19 36	19 24	9 55	16 31	6 48	
M12	23 9	2s57	3 30	22 9	1 7	24 9	0 45	16 16	0 35	4 30	1 7	21 18	0 8	22 24	0 1	22 2	1 1	15 2	8 14	19 37	19 23	9 52	16 31	6 49	
T 13	23 13	9 4	2 27	21 53	1 24	24 9	0 48	16 29	0 34	4 29	1 7	21 17	0 8	22 24	0 1	22 2	1 1	15 2	8 14	19 37	19 22	9 49	16 31	6 49	
W14	23 16	14 42	1 16	21 36	1 41	24 8	0 50	16 42	0 34	4 27	1 8	21 16	0 8	22 24	0 1	22 3	1 1	15 2	8 14	19 37	19 21	9 46	16 31	6 49	
T 15	23 18	19 32	0 2	21 20	1 58	24 6	0 52	16 54	0 33	4 25	1 8	21 15	0 8	22 23	0 1	22 3	1 1	15 2	8 14	19 37	19 21	9 43	16 31	6 49	
F 16	23 20	23 15	1s12	21 4	2 15	24 4	0 54	17 7	0 32	4 23	1 8	21 13	0 8	22 23	0 1	22 3	1 1	15 3	8 14	19 37	19 20	9 40	16 31	6 49	
S 17	23 22	25 38	2 20	20 48	2 31	24 2	0 56	17 19	0 32	4 22	1 8	21 12	0 8	22 23	0 1	22 3	1 1	15 3	8 14	19 37	19 19	9 38	16 31	6 50	
S 18	23 24	26 33	3 20	20 33	2 48	23 58	0 58	17 31	0 31	4 20	1 9	21 11	0 8	22 22	0 1	22 3	1 1	15 3	8 14	19 36	19 18	9 35	16 31	6 50	
M19	23 25	26 0	4 8	20 18	3 3	23 54	1 0	17 43	0 30	4 19	1 9	21 10	0 8	22 22	0 1	22 3	1 1	15 3	8 14	19 35	19 18	9 32	16 30	6 50	
T 20	23 25	24 9	4 43	20 4	3 18	23 49	1 2	17 55	0 30	4 18	1 9	21 8	0 8	22 22	0 1	22 3	1 1	15 3	8 14	19 34	19 17	9 29	16 30	6 50	
W21	23 25	21 11	5 4	19 51	3 32	23 43	1 4	18 7	0 29	4 16	1 10	21 7	0 8	22 22	0 1	22 3	1 1	15 3	8 14	19 33	19 16	9 26	16 30	6 50	
T 22	23 25	17 20	5 11	19 39	3 45	23 37	1 5	18 18	0 29	4 15	1 10	21 6	0 8	22 21	0 1	22 3	1 1	15 3	8 14	19 32	19 15	9 23	16 30	6 50	
F 23	23 24	12 52	5 5	19 28	3 57	23 30	1 7	18 29	0 28	4 14	1 10	21 5	0 8	22 21	0 0	22 4	1 1	15 3	8 14	19 31	19 15	9 20	16 30	6 51	
S 24	23 23	7 57	4 45	19 18	4 7	23 22	1 9	18 40	0 27	4 13	1 10	21 3	0 9	22 21	0 0	22 4	1 1	15 3	8 14	19 30	19 14	9 17	16 30	6 51	
S 25	23 22	2 45	4 13	19 9	4 16	23 14	1 11	18 51	0 26	4 12	1 11	21 2	0 9	22 20	0 0	22 4	1 1	15 3	8 14	19 30	19 13	9 14	16 30	6 51	
M26	23 20	2n35	3 30	19 1	4 24	23 5	1 12	19 2	0 26	4 11	1 11	21 1	0 9	22 20	0 0	22 4	1 1	15 3	8 14	19 30	19 12	9 11	16 30	6 51	
T 27	23 17	7 54	2 37	18 55	4 31	22 55	1 14	19 13	0 25	4 10	1 11	20 59	0 9	22 20	0 0	22 4	1 1	15 3	8 14	19 30	19 12	9 8	16 31	6 51	
W28	23 15	13 1	1 36	18 50	4 35	22 45	1 15	19 23	0 24	4 9	1 12	20 58	0 9	22 20	0 0	22 4	1 1	15 4	8 14	19 31	19 11	9 5	16 31	6 51	
T 29	23 11	17 44	0 29	18 46	4 39	22 34	1 17	19 33	0 24	4 8	1 12	20 57	0 9	22 19	0 0	22 4	1 1	15 4	8 14	19 31	19 10	9 2	16 31	6 51	
F 30	23n 8	21n44	0n41	18n44	4s40	22n22	1n18	19n43	0s23	4s 8	1s12	20n55	0n 9	22s19	0n 0	22s 4	1n 1	15n 4	8s14	19n31	19n 9	8s59	16s31	6n51	

ASTRODIENST EPHEMERIS for the year 2152
geocentric

JULY 2152

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 38 9	9♂43'51	18♂ 5	28°R11	26♂24	0♂30	22♂25	26♂57	12°R51	9°R20	24♂ 3	27°R10	25♂36	18♂25	3°R54	S 1
S 2	18 42 6	10°41'05	1♂49	27♂58	27°38	1°13	22°27	27° 5	12♂49	9♂18	24° 4	27♂ 6	25°33	18°32	3♂50	S 2
M 3	18 46 2	11°38'20	15°53	27°49	28°51	1°56	22°28	27°12	12°47	9°16	24° 6	27° 1	25°30	18°38	3°46	M 3
T 4	18 49 59	12°35'34	0♂14	27°D45	0♂ 5	2°39	22°30	27°20	12°45	9°15	24° 7	26°54	25°26	18°45	3°42	T 4
W 5	18 53 55	13°32'48	14°46	27°46	2°18	3°21	22°31	27°28	12°43	9°13	24° 8	26°47	25°23	18°52	3°38	W 5
T 6	18 57 52	14°30'02	29°22	27°51	2°31	4° 4	22°33	27°35	12°41	9°12	24°10	26°40	25°20	18°59	3°34	T 6
F 7	19 1 48	15°27'15	13♂55	28° 2	3°45	4°46	22°34	27°43	12°39	9°10	24°11	26°35	25°17	19° 5	3°30	F 7
S 8	19 5 45	16°24'28	28°20	28°17	4°58	5°29	22°34	27°51	12°37	9° 8	24°12	26°32	25°14	19°12	3°26	S 8
S 9	19 9 41	17°21'41	12♂34	28°38	6°11	6°11	22°35	27°58	12°35	9° 7	24°14	26°D30	25°11	19°19	3°22	S 9
M10	19 13 38	18°18'54	26°34	29° 3	7°25	6°54	22°35	28° 6	12°33	9° 5	24°15	26°30	25° 7	19°25	3°19	M10
T 11	19 17 35	19°16'06	10♂21	29°34	8°38	7°36	22°36	28°14	12°31	9° 4	24°16	26°31	25° 4	19°32	3°15	T 11
W12	19 21 31	20°13'18	23°54	0♂10	9°51	8°18	22°R36	28°21	12°29	9° 2	24°18	26°R32	25° 1	19°39	3°11	W12
T 13	19 25 28	21°10'30	7♂14	0°51	11° 5	9° 0	22°35	28°29	12°28	9° 0	24°19	26°31	24°58	19°46	3° 8	T 13
F 14	19 29 24	22° 7'43	20°23	1°37	12°18	9°42	22°35	28°37	12°26	8°59	24°20	26°29	24°55	19°52	3° 4	F 14
S 15	19 33 21	23° 4'55	3♂20	2°27	13°31	10°24	22°35	28°45	12°24	8°57	24°21	26°24	24°52	19°59	3° 0	S 15
S 16	19 37 17	24° 2'08	16° 5	3°23	14°44	11° 6	22°34	28°52	12°23	8°56	24°23	26°17	24°48	20° 6	2°57	S 16
M17	19 41 14	24°59'20	28°39	4°23	15°58	11°48	22°33	29° 0	12°21	8°54	24°24	26° 8	24°45	20°12	2°53	M17
T 18	19 45 10	25°56'33	11♂ 2	5°28	17°11	12°30	22°32	29° 8	12°19	8°53	24°25	25°57	24°42	20°19	2°50	T 18
W19	19 49 7	26°53'47	23°14	6°38	18°24	13°12	22°30	29°16	12°18	8°51	24°26	25°46	24°39	20°26	2°46	W19
T 20	19 53 4	27°51'01	5♂17	7°52	19°37	13°53	22°29	29°23	12°16	8°50	24°28	25°36	24°36	20°33	2°43	T 20
F 21	19 57 0	28°48'15	17°13	9°11	20°50	14°35	22°27	29°31	12°15	8°48	24°29	25°27	24°32	20°39	2°39	F 21
S 22	20 0 57	29°45'30	29° 5	10°35	22° 3	15°16	22°25	29°39	12°13	8°47	24°30	25°21	24°29	20°46	2°36	S 22
S 23	20 4 53	0♂42'46	10♂55	12° 2	23°16	15°58	22°23	29°47	12°12	8°45	24°31	25°17	24°26	20°53	2°33	S 23
M24	20 8 50	1°40'02	22°50	13°34	24°29	16°39	22°21	29°55	12°11	8°44	24°32	25°15	24°23	20°59	2°30	M24
T 25	20 12 46	2°37'20	4♂53	15°10	25°43	17°20	22°18	0♂ 2	12° 9	8°42	24°33	25°D14	24°20	21° 6	2°27	T 25
W26	20 16 43	3°34'38	17°10	16°50	26°56	18° 2	22°16	0°10	12° 8	8°41	24°35	25°15	24°17	21°13	2°23	W26
T 27	20 20 39	4°31'57	29°46	18°33	28° 9	18°43	22°13	0°18	12° 7	8°39	24°36	25°R15	24°13	21°19	2°20	T 27
F 28	20 24 36	5°29'17	12♂46	20°20	29°22	19°24	22°10	0°26	12° 6	8°38	24°37	25°13	24°10	21°26	2°17	F 28
S 29	20 28 33	6°26'38	26°12	22°11	0♂35	20° 5	22° 6	0°33	12° 5	8°37	24°38	25°10	24° 7	21°33	2°14	S 29
S 30	20 32 29	7°24'00	10♂ 6	24° 4	1°48	20°46	22° 3	0°41	12° 4	8°35	24°39	25° 4	24° 4	21°40	2°12	S 30
M31	20 36 26	8♂21'23	24♂26	26♂ 0	3♂1	21♂27	21♂59	0♂49	12♂ 3	8♂34	24♂40	24♂56	24♂ 1	21♂46	2♂ 9	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	23n 4	24n44	1n51	18n44	4s41	22n 9	1n20	19n53	0s22	4s 7	1s13	20n54	0n 9	22s19	0n 0	22s 5	1n 1	15n 4	8s14	19n31	19n 9	8s57	16s31	6n51	
S 2	22 59	26 21	2 56	18 45	4 40	21 56	1 21	20 2	0 22	4 7	1 13	20 53	0 9	22 19	0 0	22 5	1 1	15 4	8 14	19 30	19 8	8 54	16 31	6 51	
M 3	22 55	26 19	3 52	18 47	4 37	21 43	1 22	20 11	0 21	4 6	1 13	20 51	0 9	22 18	0 0	22 5	1 1	15 4	8 14	19 28	19 7	8 51	16 31	6 51	
T 4	22 50	24 34	4 35	18 50	4 34	21 29	1 23	20 21	0 20	4 6	1 13	20 50	0 9	22 18	0 0	22 5	1 1	15 4	8 14	19 27	19 6	8 48	16 31	6 51	
W 5	22 44	21 11	5 1	18 55	4 29	21 14	1 25	20 29	0 19	4 6	1 14	20 48	0 9	22 18	0 0	22 5	1 1	15 4	8 14	19 25	19 6	8 45	16 31	6 51	
T 6	22 38	16 29	5 7	19 1	4 23	20 58	1 26	20 38	0 19	4 5	1 14	20 47	0 10	22 18	0 0	22 5	1 1	15 4	8 14	19 24	19 5	8 42	16 31	6 51	
F 7	22 32	10 50	4 54	19 9	4 16	20 42	1 27	20 47	0 18	4 5	1 14	20 46	0 10	22 17	0 0	22 5	1 1	15 4	8 14	19 23	19 4	8 39	16 31	6 51	
S 8	22 25	4 40	4 22	19 17	4 8	20 26	1 28	20 55	0 17	4 5	1 15	20 44	0 10	22 17	0 0	22 5	1 1	15 4	8 14	19 22	19 3	8 36	16 32	6 51	
S 9	22 18	1s41	3 34	19 26	3 59	20 8	1 28	21 3	0 17	4 5	1 15	20 43	0 10	22 17	0 0	22 6	1 1	15 4	8 14	19 21	19 3	8 33	16 32	6 51	
M10	22 10	7 51	2 34	19 36	3 49	19 51	1 29	21 11	0 16	4 5	1 15	20 41	0 10	22 17	0 0	22 6	1 1	15 4	8 14	19 22	19 2	8 30	16 32	6 51	
T 11	22 2	13 33	1 26	19 47	3 38	19 32	1 30	21 19	0 15	4 6	1 16	20 40	0 10	22 16	0 0	22 6	1 1	15 4	8 14	19 22	19 1	8 27	16 32	6 51	
W12	21 54	18 30	0 14	19 58	3 27	19 13	1 31	21 26	0 14	4 6	1 16	20 38	0 10	22 16	0 0	22 6	1 1	15 4	8 14	19 22	19 0	8 24	16 32	6 51	
T 13	21 45	22 26	0s57	20 10	3 15	18 54	1 31	21 34	0 14	4 6	1 16	20 37	0 10	22 16	0 0	22 6	1 1	15 4	8 14	19 22	19 0	8 21	16 33	6 51	
F 14	21 36	25 8	2 4	20 22	3 3	18 34	1 32	21 41	0 13	4 7	1 16	20 35	0 10	22 16	0 0	22 6	1 1	15 4	8 14	19 21	18 59	8 18	16 33	6 50	
S 15	21 27	26 26	3 4	20 34	2 50	18 14	1 33	21 48	0 12	4 7	1 17	20 34	0 10	22 16	0 0	22 6	1 1	15 4	8 14	19 20	18 58	8 15	16 33	6 50	
S 16	21 17	26 18	3 53	20 46	2 37	17 53	1 33	21 54	0 11	4 8	1 17	20 32	0 10	22 15	0 0	22 6	1 1	15 4	8 14	19 18	18 57	8 12	16 33	6 50	
M17	21 7	24 49	4 30	20 57	2 24	17 32	1 33	22 1	0 11	4 8	1 17	20 31	0 10	22 15	0 0	22 7	1 1	15 4	8 14	19 16	18 57	8 9	16 33	6 50	
T 18	20 57	22 9	4 53	21 9	2 10	17 10	1 34	22 7	0 10	4 9	1 18	20 29	0 11	22 15	0 0	22 7	1 1	15 4	8 14	19 14	18 56	8 6	16 34	6 50	
W19	20 46	18 32	5 3	21 19	1 56	16 47	1 34	22 13	0 9	4 10	1 18	20 28	0 11	22 15	0 0	22 7	1 1	15 4	8 14	19 11	18 55	8 3	16 34	6 50	
T 20	20 35	14 12	4 59	21 29	1 42	16 25	1 34	22 19	0 8	4 11	1 18	20 26	0 11	22 15	0 0	22 7	1 1	15 4	8 15	19 9	18 54	8 0	16 34	6 50	
F 21	20 23	9 22	4 42	21 38	1 28	16 1	1 34	22 24	0 7	4 12	1 18	20 25	0 11	22 14	0 0	22 7	1 1	15 4	8 15	19 7	18 53	7 57	16 34	6 49	
S 22	20 11	4 14	4 13	21 46	1 14	15 38	1 34	22 30	0 7	4 13	1 19	20 23	0 11	22 14	0 0	22 7	1 1	15 4	8 15	19 5	18 53	7 54	16 35	6 49	
S 23	19 59	1n 3	3 33	21 52	1 1	15 14	1 34	22 35	0 6	4 14	1 19	20 22	0 11	22 14	0 0	22 7	1 1	15 4	8 15	19 4	18 52	7 51	16 35	6 49	
M24	19 46	6 21	2 43	21 57	0 47	14 49	1 34	22 40	0 5	4 15	1 19	20 20	0 11	22 14	0 0	22 7	1 1	15 4	8 15	19 4	18 51	7 48	16 35	6 49	
T 25	19 34	11 28	1 46	22 0	0 33	14 25	1 34	22 45	0 4	4 16	1 20	20 19	0 11	22 14	0 0	22 7	1 1	15 4	8 15	19 4	18 50	7 45	16 36	6 48	
W26	19 20	16 16	0 43	22 2	0 20	14 0	1 34	22 49	0 3	4 18	1 20	20 17	0 11	22 14	0 0	22 8	1 1	15 4	8 15	19 4	18 50	7 42	16 36	6 48	
T 27	19 7	20 29	0n24	22 1	0 8	13 34	1 33	22 54	0 3	4 19	1 20	20 15	0 11	22 13	0 0	22 8	1 1	15 4	8 15	19 4	18 49	7 39	16 36	6 48	
F 28	18 53	23 50	1 32	21 58	0n 5	13 8	1 33	22 58	0 2	4 20	1 20	20 14	0 11	22 13	0 0	22 8	1 1	15 4	8 15	19 3	18 48	7 36	16 36	6 48	
S 29	18 39	25 58	2 36	21 52	0 17	12 42	1 32	23 2	0 1	4 22	1 21	20 12	0 12	22 13	0 0	22 8	1 1	15 4	8 15	19 3	18 47	7 33	16 37	6 47	
S 30	18 24	26 36	3 34	21 44	0 18	12 15	1 32	23 6	0 0	4 24	1 21	20 11	0 12	22 13	0 0	22 8	1 1	15 4	8 15	19 1	18 46	7 30	16 37	6 47	
M31	18n10	25n29	4n20	21n34	0n38	11n48	1n31	23n 9	0n 1	4s25	1s21	20n 9	0n12	22s13	0n 0	22s 8	1n 1	15n 4	8s15	18n59	18n46	7s27	16s37	6n47	

ASTRODIENST EPHEMERIS for the year 2152
geocentric

AUGUST 2152

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 40 22	9♏18'46	9♏ 7	27♊58	4♐14	22♏ 7	21°R56	0♏57	12°R 2	8°R32	24♏41	24°R46	23♊58	21♏53	2°R 6	T 1
W 2	20 44 19	10°16'11	24° 2	29°58	5°27	22°48	21♏52	1° 4	12♏ 1	8♊31	24°42	24♊35	23°54	22° 0	2♊ 3	W 2
T 3	20 48 15	11°13'36	9♐ 2	2♏ 0	6°40	23°29	21°47	1°12	12° 0	8°30	24°43	24°25	23°51	22° 6	2° 1	T 3
F 4	20 52 12	12°11'01	23°57	4° 3	7°53	24° 9	21°43	1°20	11°59	8°29	24°44	24°17	23°48	22°13	1°58	F 4
S 5	20 56 8	13° 8'27	8♏40	6° 7	9° 6	24°50	21°39	1°27	11°58	8°27	24°45	24°11	23°45	22°20	1°56	S 5
S 6	21 0 5	14° 5'54	23° 4	8°11	10°18	25°30	21°34	1°35	11°58	8°26	24°46	24° 8	23°42	22°27	1°53	S 6
M 7	21 4 2	15° 3'22	7♏ 8	10°16	11°31	26°10	21°29	1°43	11°57	8°25	24°47	24° 7	23°38	22°33	1°51	M 7
T 8	21 7 58	16° 0'50	20°51	12°21	12°44	26°51	21°24	1°50	11°56	8°24	24°48	24° 6	23°35	22°40	1°49	T 8
W 9	21 11 55	16°58'19	4♏15	14°26	13°57	27°31	21°19	1°58	11°56	8°22	24°49	24° 6	23°32	22°47	1°47	W 9
T 10	21 15 51	17°55'49	17°21	16°30	15°10	28°11	21°14	2° 6	11°55	8°21	24°50	24° 5	23°29	22°53	1°44	T 10
F 11	21 19 48	18°53'20	0♊12	18°34	16°22	28°51	21° 8	2°13	11°55	8°20	24°51	24° 1	23°26	23° 0	1°42	F 11
S 12	21 23 44	19°50'51	12°52	20°36	17°35	29°31	21° 3	2°21	11°54	8°19	24°52	23°55	23°23	23° 7	1°40	S 12
S 13	21 27 41	20°48'24	25°20	22°38	18°48	0♊11	20°57	2°28	11°54	8°18	24°53	23°45	23°19	23°14	1°39	S 13
M14	21 31 37	21°45'57	7♏39	24°39	20° 1	0°50	20°51	2°36	11°53	8°17	24°54	23°33	23°16	23°20	1°37	M14
T 15	21 35 34	22°43'31	19°50	26°39	21°13	1°30	20°45	2°43	11°53	8°16	24°54	23°20	23°13	23°27	1°35	T 15
W16	21 39 31	23°41'07	1♏54	28°37	22°26	2°10	20°39	2°51	11°53	8°15	24°55	23° 6	23°10	23°34	1°33	W16
T 17	21 43 27	24°38'44	13°51	0♐34	23°38	2°49	20°33	2°58	11°53	8°14	24°56	22°53	23° 7	23°40	1°32	T 17
F 18	21 47 24	25°36'22	25°44	2°29	24°51	3°29	20°26	3° 5	11°53	8°13	24°57	22°42	23° 4	23°47	1°30	F 18
S 19	21 51 20	26°34'01	7♏33	4°24	26° 3	4° 8	20°20	3°13	11°52	8°12	24°58	22°33	23° 0	23°54	1°29	S 19
S 20	21 55 17	27°31'42	19°23	6°16	27°16	4°47	20°13	3°20	11°D52	8°11	24°58	22°27	22°57	24° 0	1°27	S 20
M21	21 59 13	28°29'24	1♏17	8° 8	28°29	5°26	20° 6	3°27	11°52	8°10	24°59	22°23	22°54	24° 7	1°26	M21
T 22	22 3 10	29°27'09	13°19	9°58	29°41	6° 5	19°59	3°35	11°52	8° 9	25° 0	22°22	22°51	24°14	1°25	T 22
W23	22 7 6	0♐24'54	25°34	11°47	0♏53	6°44	19°52	3°42	11°53	8° 8	25° 0	22°22	22°48	24°21	1°24	W23
T 24	22 11 3	1°22'42	8♏ 7	13°34	2° 6	7°23	19°45	3°49	11°53	8° 7	25° 1	22°22	22°44	24°27	1°23	T 24
F 25	22 15 0	2°20'31	21° 3	15°20	3°18	8° 2	19°38	3°56	11°53	8° 7	25° 2	22°20	22°41	24°34	1°22	F 25
S 26	22 18 56	3°18'22	4♊26	17° 4	4°31	8°41	19°31	4° 4	11°53	8° 6	25° 2	22°17	22°38	24°41	1°21	S 26
S 27	22 22 53	4°16'14	18°19	18°47	5°43	9°20	19°23	4°11	11°54	8° 5	25° 3	22°12	22°35	24°47	1°20	S 27
M28	22 26 49	5°14'09	2♏42	20°29	6°55	9°58	19°16	4°18	11°54	8° 4	25° 4	22° 4	22°32	24°54	1°20	M28
T 29	22 30 46	6°12'05	17°30	22° 9	8° 7	10°37	19° 8	4°25	11°54	8° 4	25° 4	21°54	22°29	25° 1	1°19	T 29
W30	22 34 42	7°10'02	2♐36	23°49	9°20	11°15	19° 1	4°32	11°55	8° 3	25° 5	21°44	22°25	25° 7	1°19	W30
T 31	22 38 39	8♐ 8'01	17♐51	25♐26	10♏32	11♊53	18♏53	4♏39	11♏55	8♊ 3	25♏ 5	21♏33	22♏22	25♏14	1♊18	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	17n55	22n37	4n50	21n21	0n48	11n21	1n30	23n13	0n 1	4s27	1s22	20n 7	0n12	22s13	0n 0	22s 8
W 2	17 39	18 14	5 1	21 5	0 58	10 54	1 30	23 16	0 2	4 29	1 22	20 6	0 12	22 13	0 0	22 8
T 3	17 24	12 40	4 51	20 46	1 6	10 26	1 29	23 19	0 3	4 31	1 22	20 4	0 12	22 13	0 0	22 9
F 4	17 8	6 25	4 22	20 25	1 14	9 58	1 28	23 21	0 4	4 33	1 22	20 3	0 12	22 13	0 0	22 9
S 5	16 52	0s 8	3 36	20 2	1 20	9 30	1 27	23 24	0 5	4 35	1 23	20 1	0 12	22 12	0 0	22 9
S 6	16 35	6 32	2 36	19 36	1 26	9 1	1 26	23 26	0 6	4 37	1 23	19 59	0 12	22 12	0 0	22 9
M 7	16 18	12 29	1 29	19 7	1 32	8 32	1 25	23 28	0 6	4 39	1 23	19 58	0 12	22 12	0 0	22 9
T 8	16 1	17 41	0 17	18 37	1 36	8 3	1 23	23 30	0 7	4 41	1 23	19 56	0 12	22 12	0 0	22 9
W 9	15 44	21 51	0s53	18 4	1 39	7 34	1 22	23 32	0 8	4 43	1 24	19 55	0 13	22 12	0 0	22 9
T 10	15 27	24 48	1 59	17 30	1 42	7 5	1 21	23 33	0 9	4 46	1 24	19 53	0 13	22 12	0 0	22 9
F 11	15 9	26 23	2 58	16 54	1 44	6 35	1 19	23 35	0 10	4 48	1 24	19 51	0 13	22 12	0s 0	22 9
S 12	14 51	26 34	3 47	16 16	1 45	6 6	1 18	23 36	0 11	4 50	1 24	19 50	0 13	22 12	0 0	22 9
S 13	14 33	25 23	4 24	15 37	1 46	5 36	1 16	23 37	0 11	4 53	1 25	19 48	0 13	22 12	0 0	22 10
M14	14 14	22 59	4 48	14 57	1 45	5 6	1 14	23 37	0 12	4 55	1 25	19 47	0 13	22 12	0 0	22 10
T 15	13 56	19 35	4 59	14 16	1 45	4 36	1 13	23 38	0 13	4 58	1 25	19 45	0 13	22 12	0 0	22 10
W16	13 37	15 24	4 56	13 34	1 43	4 5	1 11	23 38	0 14	5 1	1 25	19 43	0 13	22 12	0 0	22 10
T 17	13 18	10 39	4 40	12 51	1 41	3 35	1 9	23 38	0 15	5 3	1 25	19 42	0 13	22 12	0 0	22 10
F 18	12 59	5 33	4 12	12 7	1 39	3 4	1 7	23 38	0 16	5 6	1 26	19 40	0 13	22 12	0 0	22 10
S 19	12 39	0 16	3 33	11 22	1 35	2 34	1 5	23 38	0 17	5 9	1 26	19 39	0 13	22 12	0 0	22 10
S 20	12 19	5n 2	2 45	10 38	1 32	2 3	1 3	23 38	0 18	5 12	1 26	19 37	0 14	22 12	0 0	22 10
M21	11 59	10 12	1 49	9 52	1 28	1 32	1 1	23 37	0 18	5 14	1 26	19 35	0 14	22 12	0 0	22 10
T 22	11 39	15 4	0 48	9 7	1 23	1 2	0 59	23 36	0 19	5 17	1 26	19 34	0 14	22 12	0 0	22 10
W23	11 19	19 25	0n17	8 21	1 19	0 31	0 57	23 35	0 20	5 20	1 27	19 32	0 14	22 12	0 0	22 10
T 24	10 59	23 0	1 22	7 35	1 13	0s 0	0 54	23 34	0 21	5 23	1 27	19 31	0 14	22 12	0 0	22 11
F 25	10 38	25 32	2 26	6 49	1 8	0 31	0 52	23 33	0 22	5 26	1 27	19 29	0 14	22 12	0 0	22 11
S 26	10 17	26 44	3 23	6 3	1 2	0 1	2 0	23 31	0 23	5 29	1 27	19 27	0 14	22 12	0 0	22 11
S 27	9 56	26 19	4 11	5 17	0 56	1 33	0 47	23 29	0 24	5 32	1 27	19 26	0 14	22 12	0 0	22 11
M28	9 35	24 9	4 44	4 31	0 49	2 4	0 44	23 27	0 25	5 35	1 27	19 24	0 14	22 12	0 0	22 11
T 29	9 14	20 21	5 0	3 46	0 43	2 35	0 42	23 25	0 26	5 38	1 28	19 23	0 14	22 12	0 0	22 11
W30	8 52	15 8	4 56	3 0	0 36	3 6	0 39	23 23	0 27	5 41	1 28	19 21	0 15	22 12	0 0	22 11
T 31	8n31	8n57	4n31	2n15	0n29	3s37	0n36	23n21	0n27	5s44	1s28	19n19	0n15	22s12	0s 0	22s11

Julian Day Number = 2507274.5, Delta T = 123.45 sec
Ecliptic obliquity = 23°25'15, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°52'21, Lahiri = 25°59'21

ASTRODIENST EPHEMERIS for the year 2152
geocentric

SEPTEMBER 2152

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22 42 35	9 ^h 6'02	3 ^h 3	27 ^h 3	11 ^h 44	12 ^h 32	18 ^h 45	4 ^h 46	11 ^h 56	8 ^h 2	25 ^h 6	21 ^h 25	22 ^h 19	25 ^h 21	1 ^h 18	F 1
S 2	22 46 32	10 ^h 4'04	18 ^h 3	28 ^h 38	12 ^h 56	13 ^h 10	18 ^h 38	4 ^h 52	11 ^h 57	8 ^h 1	25 ^h 6	21 ^h 19	22 ^h 16	25 ^h 28	1 ^h 18	S 2
S 3	22 50 29	11 ^h 2'07	2 ^h 43	0 ^h 12	14 ^h 8	13 ^h 48	18 ^h 30	4 ^h 59	11 ^h 57	8 ^h 1	25 ^h 7	21 ^h 15	22 ^h 13	25 ^h 34	1 ^h 18	S 3
M 4	22 54 25	12 ^h 0'12	16 ^h 57	1 ^h 45	15 ^h 21	14 ^h 26	18 ^h 22	5 ^h 6	11 ^h 58	8 ^h 0	25 ^h 7	21 ^h 14	22 ^h 10	25 ^h 41	1 ^h 17	M 4
T 5	22 58 22	12 ^h 58'18	0 ^h 46	3 ^h 16	16 ^h 33	15 ^h 4	18 ^h 14	5 ^h 13	11 ^h 59	8 ^h 0	25 ^h 8	21 ^h 14	22 ^h 6	25 ^h 48	1 ^h 17	T 5
W 6	23 2 18	13 ^h 56'26	14 ^h 10	4 ^h 46	17 ^h 45	15 ^h 41	18 ^h 6	5 ^h 19	12 ^h 0	7 ^h 59	25 ^h 8	21 ^h 15	22 ^h 3	25 ^h 54	1 ^h 18	W 6
T 7	23 6 15	14 ^h 54'35	27 ^h 13	6 ^h 15	18 ^h 57	16 ^h 19	17 ^h 58	5 ^h 26	12 ^h 0	7 ^h 59	25 ^h 9	21 ^h 14	22 ^h 0	26 ^h 1	1 ^h 18	T 7
F 8	23 10 11	15 ^h 52'45	9 ^h 56	7 ^h 43	20 ^h 9	16 ^h 56	17 ^h 50	5 ^h 33	12 ^h 1	7 ^h 59	25 ^h 9	21 ^h 11	21 ^h 57	26 ^h 8	1 ^h 18	F 8
S 9	23 14 8	16 ^h 50'57	22 ^h 25	9 ^h 9	21 ^h 20	17 ^h 34	17 ^h 42	5 ^h 39	12 ^h 2	7 ^h 58	25 ^h 9	21 ^h 6	21 ^h 54	26 ^h 14	1 ^h 18	S 9
S 10	23 18 4	17 ^h 49'10	4 ^h 42	10 ^h 34	22 ^h 32	18 ^h 11	17 ^h 34	5 ^h 46	12 ^h 3	7 ^h 58	25 ^h 10	20 ^h 59	21 ^h 50	26 ^h 21	1 ^h 19	S 10
M 11	23 22 1	18 ^h 47'25	16 ^h 51	11 ^h 57	23 ^h 44	18 ^h 48	17 ^h 27	5 ^h 52	12 ^h 5	7 ^h 58	25 ^h 10	20 ^h 49	21 ^h 47	26 ^h 28	1 ^h 19	M 11
T 12	23 25 58	19 ^h 45'42	28 ^h 52	13 ^h 20	24 ^h 56	19 ^h 25	17 ^h 19	5 ^h 58	12 ^h 6	7 ^h 58	25 ^h 10	20 ^h 38	21 ^h 44	26 ^h 35	1 ^h 20	T 12
W 13	23 29 54	20 ^h 44'00	10 ^h 48	14 ^h 40	26 ^h 8	20 ^h 3	17 ^h 11	6 ^h 5	12 ^h 7	7 ^h 57	25 ^h 10	20 ^h 26	21 ^h 41	26 ^h 41	1 ^h 21	W 13
T 14	23 33 51	21 ^h 42'20	22 ^h 41	16 ^h 0	27 ^h 19	20 ^h 39	17 ^h 3	6 ^h 11	12 ^h 8	7 ^h 57	25 ^h 11	20 ^h 15	21 ^h 38	26 ^h 48	1 ^h 22	T 14
F 15	23 37 47	22 ^h 40'42	4 ^h 32	17 ^h 18	28 ^h 31	21 ^h 16	16 ^h 55	6 ^h 17	12 ^h 9	7 ^h 57	25 ^h 11	20 ^h 6	21 ^h 35	26 ^h 55	1 ^h 23	F 15
S 16	23 41 44	23 ^h 39'06	16 ^h 22	18 ^h 34	29 ^h 43	21 ^h 53	16 ^h 47	6 ^h 23	12 ^h 11	7 ^h 57	25 ^h 11	19 ^h 59	21 ^h 31	27 ^h 1	1 ^h 24	S 16
S 17	23 45 40	24 ^h 37'31	28 ^h 14	19 ^h 49	0 ^h 54	22 ^h 30	16 ^h 39	6 ^h 29	12 ^h 12	7 ^h 57	25 ^h 11	19 ^h 54	21 ^h 28	27 ^h 8	1 ^h 25	S 17
M 18	23 49 37	25 ^h 35'59	10 ^h 11	21 ^h 2	2 ^h 6	23 ^h 6	16 ^h 31	6 ^h 35	12 ^h 14	7 ^h 57	25 ^h 11	19 ^h 51	21 ^h 25	27 ^h 15	1 ^h 26	M 18
T 19	23 53 33	26 ^h 34'29	22 ^h 16	22 ^h 13	3 ^h 17	23 ^h 42	16 ^h 24	6 ^h 41	12 ^h 15	7 ^h 57	25 ^h 12	19 ^h 51	21 ^h 22	27 ^h 21	1 ^h 27	T 19
W 20	23 57 30	27 ^h 33'01	4 ^h 12	23 ^h 23	4 ^h 29	24 ^h 19	16 ^h 16	6 ^h 47	12 ^h 17	7 ^h 57	25 ^h 12	19 ^h 52	21 ^h 19	27 ^h 28	1 ^h 28	W 20
T 21	0 1 27	28 ^h 31'35	17 ^h 5	24 ^h 30	5 ^h 40	24 ^h 55	16 ^h 8	6 ^h 53	12 ^h 18	7 ^h 57	25 ^h 12	19 ^h 53	21 ^h 15	27 ^h 35	1 ^h 30	T 21
F 22	0 5 23	29 ^h 30'11	29 ^h 58	25 ^h 36	6 ^h 51	25 ^h 31	16 ^h 1	6 ^h 59	12 ^h 20	7 ^h 57	25 ^h 12	19 ^h 53	21 ^h 12	27 ^h 41	1 ^h 31	F 22
S 23	0 9 20	0 ^h 28'50	13 ^h 15	26 ^h 39	8 ^h 3	26 ^h 7	15 ^h 53	7 ^h 4	12 ^h 21	7 ^h 57	25 ^h 12	19 ^h 52	21 ^h 9	27 ^h 48	1 ^h 33	S 23
S 24	0 13 16	1 ^h 27'30	27 ^h 0	27 ^h 40	9 ^h 14	26 ^h 43	15 ^h 46	7 ^h 10	12 ^h 23	7 ^h 57	25 ^h 12	19 ^h 50	21 ^h 6	27 ^h 55	1 ^h 35	S 24
M 25	0 17 13	2 ^h 26'13	11 ^h 14	28 ^h 38	10 ^h 25	27 ^h 19	15 ^h 39	7 ^h 16	12 ^h 25	7 ^h 57	25 ^h 12	19 ^h 45	21 ^h 3	28 ^h 2	1 ^h 36	M 25
T 26	0 21 9	3 ^h 24'59	25 ^h 54	29 ^h 34	11 ^h 36	27 ^h 54	15 ^h 31	7 ^h 21	12 ^h 27	7 ^h 57	25 ^h 12	19 ^h 39	21 ^h 0	28 ^h 8	1 ^h 38	T 26
W 27	0 25 6	4 ^h 23'46	10 ^h 55	0 ^h 27	12 ^h 47	28 ^h 30	15 ^h 24	7 ^h 26	12 ^h 29	7 ^h 58	25 ^h 12	19 ^h 32	20 ^h 56	28 ^h 15	1 ^h 40	W 27
T 28	0 29 2	5 ^h 22'35	26 ^h 9	1 ^h 16	13 ^h 59	29 ^h 5	15 ^h 17	7 ^h 32	12 ^h 31	7 ^h 58	25 ^h 12	19 ^h 25	20 ^h 53	28 ^h 22	1 ^h 42	T 28
F 29	0 32 59	6 ^h 21'26	11 ^h 25	2 ^h 2	15 ^h 10	29 ^h 40	15 ^h 10	7 ^h 37	12 ^h 32	7 ^h 58	25 ^h 12	19 ^h 20	20 ^h 50	28 ^h 28	1 ^h 44	F 29
S 30	0 36 55	7 ^h 20'20	26 ^h 33	2 ^h 45	16 ^h 21	0 ^h 15	15 ^h 3	7 ^h 42	12 ^h 34	7 ^h 59	25 ^h 12	19 ^h 16	20 ^h 47	28 ^h 35	1 ^h 46	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	8n 9	2n15	3n46	1n30	0n21	4s 7	0n34	23n18	0n28	5s48	1s28	19n18	0n15	22s12	0s 0	22s11	1n 0	15n 1	8s19	18n 6	18n20	5s49	16s51	6n34			
S 2	7 47	4s31	2 46	0 45	0 14	4 38	0 31	23 15	0 29	5 51	1 28	19 16	0 15	22 12	0 0	22 11	1 0	15 1	8 19	18 5	18 19	5 45	16 52	6 33			
S 3	7 25	10 53	1 37	0 1	0 6	5 9	0 28	23 13	0 30	5 54	1 28	19 15	0 15	22 13	0 0	22 11	0 59	15 1	8 19	18 4	18 18	5 42	16 52	6 33			
M 4	7 3	16 31	0 23	0s43	0s 1	5 39	0 25	23 9	0 31	5 57	1 28	19 13	0 15	22 13	0 0	22 11	0 59	15 1	8 19	18 3	18 18	5 39	16 53	6 32			
T 5	6 41	21 7	0s50	1 27	0 9	6 10	0 22	23 6	0 32	6 0	1 28	19 12	0 15	22 13	0 0	22 12	0 59	15 1	8 19	18 3	18 17	5 36	16 53	6 32			
W 6	6 19	24 27	1 59	2 10	0 17	6 40	0 19	23 3	0 33	6 3	1 28	19 10	0 15	22 13	0 0	22 12	0 59	15 1	8 19	18 3	18 16	5 33	16 54	6 31			
T 7	5 56	26 22	2 59	2 52	0 25	7 10	0 16	22 59	0 34	6 7	1 29	19 9	0 15	22 13	0 0	22 12	0 59	15 1	8 20	18 3	18 15	5 30	16 54	6 31			
F 8	5 34	26 51	3 49	3 34	0 34	7 40	0 13	22 56	0 35	6 10	1 29	19 7	0 15	22 13	0 0	22 12	0 59	15 1	8 20	18 3	18 14	5 27	16 54	6 30			
S 9	5 11	25 56	4 27	4 16	0 42	8 10	0 10	22 52	0 36	6 13	1 29	19 6	0 16	22 13	0 0	22 12	0 59	15 0	8 20	18 1	18 14	5 24	16 55	6 30			
S 10	4 49	23 47	4 51	4 57	0 50	8 40	0 7	22 48	0 37	6 16	1 29	19 4	0 16	22 13	0 0	22 12	0 59	15 0	8 20	17 59	18 13	5 21	16 55	6 29			
M11	4 26	20 35	5 3	5 37	0 58	9 9	0 3	22 44	0 38	6 19	1 29	19 3	0 16	22 14	0 0	22 12	0 59	15 0	8 20	17 57	18 12	5 17	16 56	6 29			
T 12	4 3	16 33	5 0	6 17	1 7	9 39	0 0	22 39	0 39	6 22	1 29	19 1	0 16	22 14	0 0	22 12	0 59	15 0	8 20	17 54	18 11	5 14	16 56	6 28			
W13	3 40	11 54	4 45	6 56	1 15	10 8	0s 3	22 35	0 40	6 25	1 29	19 0	0 16	22 14	0 0	22 12	0 59	15 0	8 20	17 51	18 10	5 11	16 57	6 28			
T 14	3 17	6 50	4 17	7 34	1 23	10 37	0 6	22 30	0 41	6 29	1 29	18 58	0 16	22 14	0 0	22 12	0 59	15 0	8 21	17 48	18 9	5 8	16 57	6 27			
F 15	2 54	1 32	3 38	8 12	1 31	11 5	0 10	22 26	0 42	6 32	1 29	18 57	0 16	22 14	0 0	22 12	0 59	15 0	8 21	17 45	18 9	5 5	16 58	6 27			
S 16	2 31	3n49	2 49	8 48	1 40	11 34	0 13	22 21	0 43	6 35	1 29	18 56	0 16	22 14	0 0	22 12	0 59	15 0	8 21	17 43	18 8	5 2	16 58	6 26			
S 17	2 8	9 5	1 53	9 24	1 48	12 2	0 16	22 16	0 44	6 38	1 29	18 54	0 16	22 15	0 0	22 12	0 59	14 59	8 21	17 42	18 7	4 59	16 59	6 26			
M18	1 45	14 3	0 52	9 59	1 56	12 30	0 20	22 11	0 45	6 41	1 29	18 53	0 17	22 15	0 0	22 12	0 59	14 59	8 21	17 41	18 6	4 56	16 59	6 25			
T 19	1 22	18 32	0n13	10 34	2 4	12 58	0 23	22 6	0 46	6 44	1 29	18 51	0 17	22 15	0 0	22 12	0 59	14 59	8 21	17 41	18 5	4 52	17 0	6 25			
W20	0 58	22 19	1 18	11 7	2 12	13 25	0 27	22 0	0 47	6 47	1 29	18 50	0 17	22 15	0 0	22 12	0 59	14 59	8 21	17 41	18 4	4 49	17 0	6 24			
T 21	0 35	25 8	2 21	11 39	2 19	13 53	0 30	21 55	0 48	6 50	1 29	18 49	0 17	22 15	0 0	22 12	0 59	14 59	8 22	17 42	18 4	4 46	17 1	6 24			
F 22	0 12	26 44	3 19	12 10	2 27	14 19	0 34	21 49	0 49	6 53	1 29	18 47	0 17	22 16	0 0	22 12	0 59	14 59	8 22	17 42	18 3	4 43	17 1	6 23			
S 23	0s11	26 52	4 8	12 40	2 34	14 46	0 37	21 44	0 50	6 56	1 29	18 46	0 17	22 16	0 0	22 12	0 59	14 59	8 22	17 42	18 2	4 40	17 2	6 23			
S 24	0 35	25 23	4 44	13 9	2 41	15 12	0 41	21 38	0 51	6 58	1 29	18 45	0 17	22 16	0 0	22 12	0 59	14 58	8 22	17 41	18 1	4 37	17 2	6 23			
M25	0 58	22 16	5 5	13 36	2 48	15 38	0 44	21 32	0 52	7 1	1 29	18 43	0 17	22 16	0 0	22 12	0 59	14 58	8 22	17 40	18 0	4 34	17 3	6 22			
T 26	1 21	17 41	5 6	14 2	2 55	16 4	0 48	21 26	0 53	7 4	1 29	18 42	0 17	22 17	0 0	22 13	0 59	14 58	8 22	17 38	17 59	4 30	17 3	6 22			
W27	1 45	11 54	4 47	14 27	3 1	16 29	0 51	21 20	0 54	7 7	1 29	18 41	0 18	22 17	0 0	22 13	0 58	14 58	8 22	17 36	17 59	4 27	17 4	6 21			
T 28	2 8	5 19	4 8	14 50	3 7	16 54	0 55	21 13	0 55	7 9	1 29	18 40	0 18	22 17	0 0	22 13	0 58	14 58	8 23	17 34	17 58	4 24	17 4	6 21			
F 29	2 31	1s35	3 10	15 11	3 13	17 18	0 58	21 7	0 56	7 12	1 29	18 38	0 18	22 17	0 0	22 13	0 58	14 58	8 23	17 33	17 57	4 21	17 5	6 20			
S 30	2s55	8s22	2n 0	15s30	3s18	17s42	1s 2	21n 1	0n57	7s15	1s28	18n37	0n18	22s18	0s 0	22s13	0n58	14n58	8s23	17n32	17n56	4s18	17s 5	6n20			

ASTRODIENST EPHEMERIS for the year 2152

geocentric

OCTOBER 2152

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 40 52	8♌19'15	11♍23	3♊23	17♍32	0♈50	14♏57	7♏47	12♏36	7♏59	25♏11	19♏14	20♌44	28♏42	1♏49	S 1
M 2	0 44 49	9°18'12	25°49	3°57	18°42	1°25	14♏50	7°52	12°39	7°59	25♏11	19°D14	20°41	28°48	1°51	M 2
T 3	0 48 45	10°17'11	9♌48	4°27	19°53	2° 0	14°44	7°57	12°41	8° 0	25°11	19♌15	20°37	28°55	1°53	T 3
W 4	0 52 42	11°16'12	23°20	4°51	21° 4	2°35	14°37	8° 2	12°43	8° 0	25°11	19°17	20°34	29° 2	1°56	W 4
T 5	0 56 38	12°15'14	6♏27	5° 9	22°15	3° 9	14°31	8° 7	12°45	8° 1	25°11	19°R18	20°31	29° 9	1°59	T 5
F 6	1 0 35	13°14'19	19°11	5°22	23°25	3°43	14°25	8°12	12°47	8° 1	25°10	19°18	20°28	29°15	2° 1	F 6
S 7	1 4 31	14°13'25	1♏38	5°R28	24°36	4°17	14°19	8°16	12°50	8° 2	25°10	19°16	20°25	29°22	2° 4	S 7
S 8	1 8 28	15°12'32	13°50	5°27	25°46	4°51	14°13	8°21	12°52	8° 3	25°10	19°13	20°21	29°29	2° 7	S 8
M 9	1 12 25	16°11'42	25°52	5°19	26°57	5°25	14° 8	8°25	12°54	8° 3	25°10	19° 9	20°18	29°35	2°10	M 9
T 10	1 16 21	17°10'53	7♏48	5° 3	28° 7	5°59	14° 2	8°30	12°57	8° 4	25° 9	19° 3	20°15	29°42	2°13	T 10
W11	1 20 18	18°10'06	19°40	4°39	29°18	6°33	13°57	8°34	12°59	8° 5	25° 9	18°57	20°12	29°49	2°16	W11
T 12	1 24 14	19° 9'21	1♏31	4° 7	0♏28	7° 6	13°52	8°38	13° 2	8° 5	25° 9	18°52	20° 9	29°55	2°19	T 12
F 13	1 28 11	20° 8'38	13°22	3°27	1°38	7°40	13°47	8°42	13° 4	8° 6	25° 8	18°47	20° 6	0♏2	2°22	F 13
S 14	1 32 7	21° 7'57	25°17	2°39	2°48	8°13	13°42	8°46	13° 7	8° 7	25° 8	18°44	20° 2	0° 9	2°25	S 14
S 15	1 36 4	22° 7'18	7♏16	1°44	3°58	8°46	13°37	8°50	13° 9	8° 8	25° 7	18°42	19°59	0°15	2°29	S 15
M16	1 40 0	23° 6'41	19°22	0°42	5° 8	9°19	13°33	8°54	13°12	8° 9	25° 7	18°D41	19°56	0°22	2°32	M16
T 17	1 43 57	24° 6'06	1♏37	29♏34	6°18	9°51	13°29	8°58	13°15	8°10	25° 6	18°42	19°53	0°29	2°36	T 17
W18	1 47 53	25° 5'34	14° 2	28°23	7°28	10°24	13°25	9° 1	13°17	8°10	25° 6	18°43	19°50	0°35	2°39	W18
T 19	1 51 50	26° 5'03	26°42	27°10	8°37	10°56	13°21	9° 5	13°20	8°11	25° 5	18°45	19°47	0°42	2°43	T 19
F 20	1 55 47	27° 4'35	9♏38	25°56	9°47	11°28	13°17	9° 8	13°23	8°12	25° 5	18°46	19°43	0°49	2°47	F 20
S 21	1 59 43	28° 4'10	22°54	24°45	10°56	12° 1	13°13	9°12	13°26	8°13	25° 4	18°R47	19°40	0°56	2°50	S 21
S 22	2 3 40	29° 3'46	6♏33	23°38	12° 6	12°32	13°10	9°15	13°29	8°15	25° 4	18°47	19°37	1° 2	2°54	S 22
M23	2 7 36	0♏32	3°25	20°34	22°37	13°15	13° 4	9°18	13°32	8°16	25° 3	18°46	19°34	1° 9	2°58	M23
T 24	2 11 33	1° 3'06	4♏57	21°44	14°24	13°36	13° 4	9°21	13°34	8°17	25° 3	18°44	19°31	1°16	3° 2	T 24
W25	2 15 29	2° 2'50	19°39	21° 0	15°34	14° 7	13° 1	9°24	13°37	8°18	25° 2	18°42	19°27	1°22	3° 6	W25
T 26	2 19 26	3° 2'35	4♏35	20°27	16°43	14°38	12°58	9°27	13°40	8°19	25° 1	18°40	19°24	1°29	3°10	T 26
F 27	2 23 22	4° 2'23	19°38	20° 5	17°52	15° 9	12°56	9°30	13°43	8°20	25° 1	18°38	19°21	1°36	3°14	F 27
S 28	2 27 19	5° 2'13	4♏37	19°D55	19° 1	15°40	12°54	9°32	13°46	8°21	25° 0	18°37	19°18	1°42	3°19	S 28
S 29	2 31 16	6° 2'04	19°25	19°56	20° 9	16°11	12°52	9°35	13°50	8°23	24°59	18°D37	19°15	1°49	3°23	S 29
M30	2 35 12	7° 1'58	3♏54	20° 7	21°18	16°41	12°50	9°38	13°53	8°24	24°59	18°37	19°12	1°56	3°27	M30
T 31	2 39 9	8♏15'54	18♏0	20♏30	22♏26	17♏11	12♏48	9♏40	13♏56	8♏25	24♏58	18♏38	19♏8	2♏2	3♏32	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
S 1	3s18	14s34	0n43	15s48	3s22	18s 6	1s 5	20n54	0n58	7s17	1s28	18n36	0n18	22s18	0s 0	22s13	0n58	14n57	8s23	17n31	17n55	4s15	17s 5	6n19			
M 2	3 41	19 47	0s36	16 3	3 26	18 29	1 9	20 48	0 59	7 20	1 28	18 35	0 18	22 18	0 1	22 13	0 58	14 57	8 23	17 31	17 54	4 11	17 6	6 19			
T 3	4 4	23 43	1 50	16 17	3 29	18 52	1 12	20 41	1 0	7 22	1 28	18 34	0 18	22 19	0 1	22 13	0 58	14 57	8 23	17 32	17 54	4 8	17 6	6 18			
W 4	4 27	26 10	2 55	16 27	3 32	19 14	1 16	20 34	1 1	7 24	1 28	18 32	0 18	22 19	0 1	22 13	0 58	14 57	8 23	17 32	17 53	4 5	17 7	6 18			
T 5	4 50	27 4	3 49	16 35	3 34	19 36	1 19	20 27	1 3	7 27	1 28	18 31	0 19	22 19	0 1	22 13	0 58	14 57	8 23	17 32	17 52	4 2	17 7	6 17			
F 6	5 13	26 30	4 30	16 40	3 34	19 57	1 23	20 20	1 4	7 29	1 28	18 30	0 19	22 19	0 1	22 13	0 58	14 57	8 24	17 32	17 51	3 59	17 8	6 17			
S 7	5 36	24 36	4 57	16 42	3 34	20 18	1 26	20 13	1 5	7 31	1 28	18 29	0 19	22 20	0 1	22 13	0 58	14 57	8 24	17 32	17 50	3 56	17 8	6 16			
S 8	5 59	21 36	5 10	16 40	3 33	20 38	1 30	20 6	1 6	7 33	1 28	18 28	0 19	22 20	0 1	22 13	0 58	14 56	8 24	17 31	17 49	3 52	17 8	6 16			
M 9	6 22	17 44	5 9	16 35	3 30	20 58	1 33	19 59	1 7	7 35	1 28	18 27	0 19	22 20	0 1	22 13	0 58	14 56	8 24	17 30	17 49	3 49	17 9	6 15			
T 10	6 45	13 12	4 55	16 26	3 26	21 18	1 37	19 52	1 8	7 37	1 27	18 26	0 19	22 21	0 1	22 13	0 58	14 56	8 24	17 28	17 48	3 46	17 9	6 15			
W11	7 7	8 12	4 28	16 12	3 20	21 37	1 40	19 44	1 9	7 39	1 27	18 25	0 19	22 21	0 1	22 13	0 58	14 56	8 24	17 27	17 47	3 43	17 10	6 15			
T 12	7 30	2 55	3 50	15 55	3 13	21 55	1 43	19 37	1 10	7 41	1 27	18 24	0 19	22 21	0 1	22 13	0 58	14 56	8 24	17 25	17 46	3 40	17 10	6 14			
F 13	7 52	2n29	3 2	15 32	3 4	22 13	1 47	19 30	1 11	7 43	1 27	18 23	0 19	22 22	0 1	22 13	0 58	14 56	8 25	17 24	17 45	3 37	17 10	6 14			
S 14	8 14	7 50	2 5	15 6	2 53	22 30	1 50	19 22	1 13	7 44	1 27	18 22	0 20	22 22	0 1	22 13	0 58	14 56	8 25	17 23	17 44	3 33	17 11	6 13			
S 15	8 37	12 57	1 2	14 34	2 41	22 47	1 53	19 15	1 14	7 46	1 27	18 21	0 20	22 22	0 1	22 13	0 58	14 55	8 25	17 22	17 43	3 30	17 11	6 13			
M16	8 59	17 37	0n41	13 59	2 26	23 3	1 56	19 7	1 15	7 48	1 27	18 20	0 20	22 23	0 1	22 13	0 58	14 55	8 25	17 22	17 43	3 27	17 12	6 12			
T 17	9 20	21 37	1 11	13 20	2 10	23 18	1 59	18 59	1 16	7 49	1 26	18 19	0 20	22 23	0 1	22 13	0 58	14 55	8 25	17 22	17 42	3 24	17 12	6 12			
W18	9 42	24 42	2 15	12 38	1 52	23 33	2 2	18 52	1 17	7 51	1 26	18 19	0 20	22 23	0 1	22 13	0 58	14 55	8 25	17 23	17 41	3 21	17 12	6 12			
T 19	10 4	26 37	3 14	11 54	1 33	23 47	2 5	18 44	1 18	7 52	1 26	18 18	0 20	22 24	0 1	22 13	0 58	14 55	8 25	17 23	17 40	3 17	17 13	6 11			
F 20	10 25	27 9	4 5	11 9	1 13	24 1	2 8	18 36	1 20	7 53	1 26	18 17	0 20	22 24	0 1	22 13	0 58	14 55	8 25	17 24	17 39	3 14	17 13	6 11			
S 21	10 47	26 9	4 44	10 24	0 53	24 14	2 11	18 28	1 21	7 54	1 26	18 16	0 21	22 24	0 1	22 13	0 57	14 55	8 25	17 24	17 38	3 11	17 13	6 10			
S 22	11 8	23 36	5 9	9 40	0 32	24 26	2 14	18 21	1 22	7 56	1 26	18 16	0 21	22 25	0 1	22 13	0 57	14 55	8 26	17 24	17 37	3 8	17 14	6 10			
M23	11 29	19 36	5 16	8 58	0 12	24 38	2 17	18 13	1 23	7 57	1 25	18 15	0 21	22 25	0 1	22 13	0 57	14 54	8 26	17 24	17 37	3 5	17 14	6 10			
T 24	11 50	14 23	5 3	8 20	0n 8	24 49	2 20	18 5	1 25	7 58	1 25	18 14	0 21	22 25	0 1	22 12	0 57	14 54	8 26	17 23	17 36	3 2	17 14	6 9			
W25	12 11	8 15	4 31	7 46	0 27	25 0	2 22	17 57	1 26	7 59	1 25	18 13	0 21	22 26	0 1	22 12	0 57	14 54	8 26	17 23	17 35	2 58	17 14	6 9			
T 26	12 31	1 33	3 40	7 18	0 45	25 10	2 25	17 49	1 27	7 59	1 25	18 13	0 21	22 26	0 1	22 12	0 57	14 54	8 26	17 22	17 34	2 55	17 15	6 8			
F 27	12 51	5s18	2 34	6 55	1 1	25 19	2 28	17 41	1 28	8 0	1 25	18 12	0 21	22 27	0 1	22 12	0 57	14 54	8 26	17 22	17 33	2 52	17 15	6 8			
S 28	13 11	11 51	1 17	6 37	1 15	25 28	2 30	17 33	1 30	8 1	1 24	18 12	0 21	22 27	0 1	22 12	0 57	14 54	8 26	17 21	17 32	2 49	17 15	6 8			
S 29	13 31	17 39	0s 4	6 26	1 28	25 35	2 32	17 25	1 31	8 1	1 24	18 11	0 22	22 27	0 1	22 12	0 57	14 54	8 26	17 21	17 31	2 46	17 16	6 7			
M30	13 51	22 17	1 24	6 20	1 39	25 43	2 35	17 17	1 32	8 2	1 24	18 11	0 22	22 28	0 1	22 12	0 57	14 53	8 26	17 21	17 31	2 42	17 16	6 7			
T 31	14s11	25s28	2s36	6s20	1n48	25s49	2s37	17n 9	1n33	8s 2	1s24	18n10	0n22	22s28	0s 1	22s12	0n57	14n53	8s27	17n21	17n30	2s39	17s16	6n			

ASTRODIENST EPHEMERIS for the year 2152
geocentric

NOVEMBER 2152

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 43 5	9♉ 1°51	1♊40	21♋1	23♌35	17♍41	12°R47	9♎42	13♏59	8♐27	24°R57	18♑39	19♒5	2♓9	3♊36	W 1
T 2	2 47 2	10° 1°50	14°54	21°42	24°43	18°11	12°H46	9°44	14° 2	8°28	24°H56	18°40	19° 2	2°16	3°41	T 2
F 3	2 50 58	11° 1°50	27°44	22°31	25°51	18°40	12°45	9°46	14° 5	8°29	24°55	18°41	18°59	2°23	3°45	F 3
S 4	2 54 55	12° 1°52	10♈13	23°27	26°59	19°10	12°44	9°48	14° 9	8°31	24°55	18°R41	18°56	2°29	3°50	S 4
S 5	2 58 51	13° 1°56	22°26	24°29	28° 7	19°39	12°43	9°50	14°12	8°32	24°54	18°41	18°52	2°36	3°55	S 5
M 6	3 2 48	14° 2°01	4♋28	25°37	29°15	20° 8	12°43	9°52	14°15	8°34	24°53	18°40	18°49	2°43	4° 0	M 6
T 7	3 6 45	15° 2°07	16°21	26°49	0♉23	20°36	12°D43	9°53	14°18	8°35	24°52	18°40	18°46	2°49	4° 4	T 7
W 8	3 10 41	16° 2°16	28°11	28° 6	1°30	21° 5	12°43	9°55	14°22	8°37	24°51	18°39	18°43	2°56	4° 9	W 8
T 9	3 14 38	17° 2°25	10♐Y 2	29°26	2°37	21°33	12°43	9°56	14°25	8°38	24°50	18°39	18°40	3° 3	4°14	T 9
F 10	3 18 34	18° 2°37	21°57	0♈M49	3°44	22° 1	12°43	9°57	14°29	8°40	24°50	18°39	18°37	3° 9	4°19	F 10
S 11	3 22 31	19° 2°50	3♌58	2°15	4°51	22°29	12°44	9°59	14°32	8°42	24°49	18°D39	18°33	3°16	4°24	S 11
S 12	3 26 27	20° 3°05	16° 7	3°42	5°58	22°56	12°45	10° 0	14°35	8°43	24°48	18°R39	18°30	3°23	4°29	S 12
M13	3 30 24	21° 3°21	28°27	5°12	7° 5	23°23	12°46	10° 1	14°39	8°45	24°47	18°39	18°27	3°29	4°35	M13
T 14	3 34 20	22° 3°39	10♐H59	6°42	8°11	23°50	12°47	10° 1	14°42	8°47	24°46	18°39	18°24	3°36	4°40	T 14
W15	3 38 17	23° 4°00	23°43	8°14	9°17	24°17	12°49	10° 2	14°46	8°48	24°45	18°38	18°21	3°43	4°45	W15
T 16	3 42 14	24° 4°21	6♉B39	9°47	10°23	24°44	12°50	10° 3	14°49	8°50	24°44	18°38	18°18	3°49	4°50	T 16
F 17	3 46 10	25° 4°45	19°50	11°20	11°29	25°10	12°52	10° 3	14°53	8°52	24°43	18°37	18°14	3°56	4°56	F 17
S 18	3 50 7	26° 5°11	3♌L16	12°54	12°35	25°36	12°54	10° 4	14°56	8°53	24°42	18°36	18°11	4° 3	5° 1	S 18
S 19	3 54 3	27° 5°38	16°56	14°28	13°40	26° 1	12°57	10° 4	15° 0	8°55	24°41	18°36	18° 8	4° 9	5° 6	S 19
M20	3 58 0	28° 6°08	0♈M50	16° 3	14°45	26°26	12°59	10° 4	15° 3	8°57	24°40	18°D36	18° 5	4°16	5°12	M20
T 21	4 1 56	29° 6°39	14°59	17°38	15°50	26°51	13° 2	10°R 4	15° 7	8°59	24°39	18°36	18° 2	4°23	5°17	T 21
W22	4 5 53	0♈7°12	29°20	19°13	16°55	27°16	13° 4	10° 4	15°10	9° 1	24°38	18°37	17°58	4°30	5°23	W22
T 23	4 9 49	1° 7°46	13♌L51	20°48	17°59	27°41	13° 8	10° 4	15°14	9° 3	24°37	18°38	17°55	4°36	5°28	T 23
F 24	4 13 46	2° 8°23	28°27	22°23	19° 4	28° 5	13°11	10° 3	15°18	9° 5	24°36	18°39	17°52	4°43	5°34	F 24
S 25	4 17 43	3° 9°01	13♉L 3	23°58	20° 8	28°28	13°14	10° 3	15°21	9° 6	24°35	18°R39	17°49	4°50	5°40	S 25
S 26	4 21 39	4° 9°40	27°33	25°33	21°11	28°52	13°18	10° 2	15°25	9° 8	24°34	18°39	17°46	4°56	5°45	S 26
M27	4 25 36	5°10°21	11♈A50	27° 8	22°15	29°15	13°22	10° 2	15°28	9°10	24°32	18°38	17°43	5° 3	5°51	M27
T 28	4 29 32	6°11°04	25°51	28°43	23°18	29°38	13°26	10° 1	15°32	9°12	24°31	18°36	17°39	5°10	5°57	T 28
W29	4 33 29	7°11°48	9♉B30	0°A18	24°21	29°59	13°30	10° 0	15°36	9°14	24°30	18°34	17°36	5°16	6° 3	W29
T 30	4 37 25	8♈12°33	22♉B47	1♈A53	25♉B23	0♈M22	13♈H34	9♈L59	15♈A39	9♉B16	24°H29	18♉B31	17♈B33	5♐Y23	6♉B 9	T 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	14s30	27s 1	3s37	6s25	1n56	25s55	2s39	17n 1	1n35	8s 3	1s24	18n10	0n22	22s28	0s 1	22s12	0n57	14n53	8s27	17n22	17n29	2s36	17s16	6n 6			
T 2	14 49	26 58	4 24	6 34	2 2	26 0	2 41	16 54	1 36	8 3	1 23	18 9	0 22	22 29	0 1	22 12	0 57	14 53	8 27	17 22	17 28	2 33	17 16	6 6			
F 3	15 8	25 26	4 56	6 48	2 6	26 5	2 43	16 46	1 37	8 3	1 23	18 9	0 22	22 29	0 1	22 12	0 57	14 53	8 27	17 22	17 27	2 29	17 17	6 6			
S 4	15 26	22 42	5 14	7 6	2 9	26 8	2 45	16 38	1 39	8 3	1 23	18 8	0 22	22 30	0 1	22 12	0 57	14 53	8 27	17 22	17 26	2 26	17 17	6 5			
S 5	15 44	19 0	5 17	7 27	2 11	26 11	2 47	16 30	1 40	8 3	1 23	18 8	0 23	22 30	0 1	22 12	0 57	14 53	8 27	17 22	17 25	2 23	17 17	6 5			
M 6	16 2	14 36	5 5	7 51	2 12	26 14	2 49	16 22	1 41	8 3	1 23	18 8	0 23	22 30	0 1	22 12	0 57	14 53	8 27	17 22	17 24	2 20	17 17	6 5			
T 7	16 20	9 42	4 41	8 17	2 12	26 15	2 50	16 14	1 43	8 3	1 22	18 7	0 23	22 31	0 1	22 12	0 57	14 53	8 27	17 22	17 24	2 17	17 17	6 4			
W 8	16 38	4 28	4 5	8 45	2 11	26 16	2 52	16 6	1 44	8 3	1 22	18 7	0 23	22 31	0 1	22 12	0 57	14 52	8 27	17 22	17 23	2 13	17 18	6 4			
T 9	16 55	0n56	3 18	9 15	2 9	26 17	2 53	15 59	1 46	8 3	1 22	18 7	0 23	22 32	0 1	22 12	0 57	14 52	8 27	17 22	17 22	2 10	17 18	6 4			
F 10	17 12	6 20	2 23	9 47	2 6	26 16	2 54	15 51	1 47	8 2	1 22	18 7	0 23	22 32	0 1	22 12	0 57	14 52	8 27	17 22	17 21	2 7	17 18	6 3			
S 11	17 28	11 34	1 21	10 19	2 3	26 15	2 56	15 43	1 48	8 2	1 21	18 7	0 23	22 32	0 1	22 12	0 57	14 52	8 27	17 22	17 20	2 4	17 18	6 3			
S 12	17 44	16 26	0 14	10 53	1 59	26 14	2 57	15 35	1 50	8 1	1 21	18 6	0 24	22 33	0 1	22 11	0 57	14 52	8 27	17 22	17 19	2 1	17 18	6 3			
M13	18 0	20 41	0n54	11 27	1 55	26 11	2 57	15 28	1 51	8 1	1 21	18 6	0 24	22 33	0 1	22 11	0 57	14 52	8 28	17 22	17 18	1 57	17 18	6 2			
T 14	18 16	24 4	2 1	12 1	1 50	26 8	2 58	15 20	1 53	8 0	1 21	18 6	0 24	22 34	0 1	22 11	0 57	14 52	8 28	17 22	17 17	1 54	17 18	6 2			
W15	18 32	26 19	3 3	12 35	1 44	26 4	2 59	15 13	1 54	7 59	1 21	18 6	0 24	22 34	0 1	22 11	0 57	14 52	8 28	17 21	17 17	1 51	17 18	6 2			
T 16	18 47	27 11	3 56	13 10	1 39	26 0	3 0	15 5	1 56	7 58	1 20	18 6	0 24	22 34	0 1	22 11	0 57	14 52	8 28	17 21	17 16	1 48	17 18	6 2			
F 17	19 1	26 32	4 38	13 45	1 33	25 55	3 0	14 58	1 57	7 57	1 20	18 6	0 24	22 35	0 1	22 11	0 57	14 52	8 28	17 21	17 15	1 44	17 19	6 1			
S 18	19 16	24 22	5 6	14 19	1 27	25 49	3 0	14 50	1 59	7 56	1 20	18 6	0 24	22 35	0 1	22 11	0 57	14 51	8 28	17 21	17 14	1 41	17 19	6 1			
S 19	19 30	20 47	5 17	14 53	1 21	25 43	3 1	14 43	2 0	7 55	1 20	18 6	0 25	22 36	0 1	22 11	0 56	14 51	8 28	17 21	17 13	1 38	17 19	6 1			
M20	19 43	15 59	5 10	15 27	1 14	25 36	3 1	14 36	2 2	7 54	1 19	18 6	0 25	22 36	0 1	22 11	0 56	14 51	8 28	17 21	17 12	1 35	17 19	6 1			
T 21	19 57	10 17	4 44	16 0	1 7	25 28	3 0	14 29	2 3	7 53	1 19	18 6	0 25	22 36	0 1	22 11	0 56	14 51	8 28	17 21	17 11	1 32	17 19	6 1			
W22	20 10	3 56	4 0	16 32	1 1	25 20	3 0	14 22	2 5	7 52	1 19	18 7	0 25	22 37	0 1	22 11	0 56	14 51	8 28	17 21	17 10	1 28	17 19	6 0			
T 23	20 22	2s41	3 1	17 4	0 54	25 11	3 0	14 15	2 6	7 50	1 19	18 7	0 25	22 37	0 1	22 11	0 56	14 51	8 28	17 21	17 10	1 25	17 19	6 0			
F 24	20 34	9 12	1 50	17 36	0 47	25 2	2 59	14 8	2 8	7 49	1 19	18 7	0 25	22 38	0 1	22 10	0 56	14 51	8 28	17 22	17 9	1 22	17 19	6 0			
S 25	20 46	15 15	0 31	18 6	0 40	24 51	2 59	14 1	2 10	7 47	1 18	18 7	0 25	22 38	0 1	22 10	0 56	14 51	8 28	17 22	17 8	1 19	17 19	6 0			
S 26	20 58	20 23	0s49	18 36	0 33	24 41	2 58	13 55	2 11	7 46	1 18	18 8	0 26	22 38	0 1	22 10	0 56	14 51	8 28	17 22	17 7	1 15	17 19	5 59			
M27	21 9	24 15	2 5	19 5	0 26	24 30	2 57	13 48	2 13	7 44	1 18	18 8	0 26	22 39	0 1	22 10	0 56	14 51	8 28	17 21	17 6	1 12	17 19	5 59			
T 28	21 19	26 33	3 11	19 33	0 19	24 18	2 56	13 42	2 15	7 42	1 18	18 8	0 26	22 39	0 1	22 10	0 56	14 51	8 28	17 21	17 5	1 9	17 18	5 59			
W29	21 30	27 9	4 5	20 0	0 12	24 6	2 54	13 35	2 16	7 40	1 17	18 9	0 26	22 40	0 1	22 10	0 56	14 51	8 28	17 20	17 4	1 6	17 18	5 59			
T 30	21s40	26s10	4s44	20s26	0n 5	23s53	2s53	13n29	2n18	7s39	1s17	18n 9	0n26	22s40	0s 1	22s10	0n56	14n51	8s28	17n19	17n 3	1s 2	17s18	5n59			

ASTRODIENST EPHEMERIS for the year 2152
geocentric

DECEMBER 2152

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4 41 22	9♂13'19	5♂41	3♂27	26♂25	0♂43	13♂39	9♂R58	15♂43	9♂18	24♂R28	18♂R28	17♂30	5♂Y30	6♂14	F 1
S 2	4 45 19	10°14'06	18°15	5° 2	27°27	1° 5	13°44	9♂57	15°47	9°20	24♂II27	18♂26	17°27	5°36	6°20	S 2
S 3	4 49 15	11°14'53	0♂30	6°36	28°28	1°25	13°49	9°56	15°50	9°22	24°26	18°24	17°24	5°43	6°26	S 3
M 4	4 53 12	12°15'42	12°33	8°11	29°29	1°46	13°54	9°54	15°54	9°24	24°25	18°D23	17°20	5°50	6°32	M 4
T 5	4 57 8	13°16'32	24°26	9°45	0♂30	2° 6	13°59	9°53	15°58	9°27	24°24	18°24	17°17	5°56	6°38	T 5
W 6	5 1 5	14°17'22	6♂Y16	11°19	1°30	2°26	14° 5	9°51	16° 1	9°29	24°22	18°25	17°14	6° 3	6°44	W 6
T 7	5 5 1	15°18'13	18° 7	12°54	2°30	2°45	14°10	9°49	16° 5	9°31	24°21	18°27	17°11	6°10	6°50	T 7
F 8	5 8 58	16°19'05	0♂ 4	14°28	3°30	3° 4	14°16	9°47	16° 9	9°33	24°20	18°29	17° 8	6°16	6°56	F 8
S 9	5 12 54	17°19'58	12°11	16° 2	4°29	3°22	14°22	9°45	16°12	9°35	24°19	18°30	17° 4	6°23	7° 2	S 9
S 10	5 16 51	18°20'52	24°30	17°36	5°27	3°40	14°28	9°43	16°16	9°37	24°18	18°R30	17° 1	6°30	7° 8	S 10
M 11	5 20 48	19°21'47	7♂II 5	19°10	6°25	3°57	14°35	9°41	16°20	9°39	24°17	18°29	16°58	6°36	7°15	M 11
T 12	5 24 44	20°22'43	19°55	20°45	7°22	4°14	14°41	9°39	16°23	9°41	24°15	18°26	16°55	6°43	7°21	T 12
W 13	5 28 41	21°23'40	3♂3 3	22°19	8°19	4°31	14°48	9°37	16°27	9°44	24°14	18°21	16°52	6°50	7°27	W 13
T 14	5 32 37	22°24'37	16°25	23°53	9°16	4°47	14°55	9°34	16°31	9°46	24°13	18°15	16°49	6°56	7°33	T 14
F 15	5 36 34	23°25'36	0♂ 1	25°28	10°12	5° 2	15° 2	9°32	16°34	9°48	24°12	18°10	16°45	7° 3	7°39	F 15
S 16	5 40 30	24°26'35	13°47	27° 2	11° 7	5°18	15° 9	9°29	16°38	9°50	24°11	18° 4	16°42	7°10	7°45	S 16
S 17	5 44 27	25°27'36	27°42	28°37	12° 1	5°32	15°17	9°26	16°42	9°52	24°10	18° 0	16°39	7°17	7°52	S 17
M 18	5 48 23	26°28'37	11♂44	0♂12	12°55	5°46	15°24	9°23	16°45	9°55	24° 8	17°57	16°36	7°23	7°58	M 18
T 19	5 52 20	27°29'39	25°49	1°47	13°49	6° 0	15°32	9°20	16°49	9°57	24° 7	17°D56	16°33	7°30	8° 4	T 19
W 20	5 56 17	28°30'43	9♂58	3°22	14°41	6°12	15°40	9°17	16°53	9°59	24° 6	17°56	16°30	7°37	8°10	W 20
T 21	6 0 13	29°31'47	24° 7	4°57	15°33	6°25	15°47	9°14	16°56	10° 1	24° 5	17°58	16°26	7°43	8°17	T 21
F 22	6 4 10	0♂32'52	8♂17	6°32	16°24	6°37	15°56	9°11	17° 0	10° 4	24° 4	17°59	16°23	7°50	8°23	F 22
S 23	6 8 6	1°33'58	22°24	8° 8	17°15	6°48	16° 4	9° 8	17° 4	10° 6	24° 3	17°R59	16°20	7°57	8°29	S 23
S 24	6 12 3	2°35'05	6♂26	9°43	18° 5	6°58	16°12	9° 4	17° 7	10° 8	24° 1	17°57	16°17	8° 3	8°35	S 24
M 25	6 15 59	3°36'12	20°19	11°19	18°53	7° 8	16°21	9° 1	17°11	10°10	24° 0	17°54	16°14	8°10	8°42	M 25
T 26	6 19 56	4°37'21	4♂ 1	12°55	19°41	7°18	16°30	8°57	17°14	10°13	23°59	17°48	16°10	8°17	8°48	T 26
W 27	6 23 52	5°38'29	17°28	14°31	20°28	7°26	16°38	8°54	17°18	10°15	23°58	17°40	16° 7	8°23	8°54	W 27
T 28	6 27 49	6°39'38	0♂38	16° 7	21°14	7°34	16°47	8°50	17°21	10°17	23°57	17°30	16° 4	8°30	9° 1	T 28
F 29	6 31 46	7°40'46	13°29	17°43	22° 0	7°42	16°57	8°46	17°25	10°19	23°56	17°21	16° 1	8°37	9° 7	F 29
S 30	6 35 42	8°41'55	26° 1	19°20	22°44	7°49	17° 6	8°42	17°28	10°22	23°55	17°13	15°58	8°43	9°13	S 30
S 31	6 39 39	9♂43'04	8♂18	20♂56	23♂27	7♂55	17♂15	8♂28	17♂32	10♂24	23♂II53	17♂ 6	15♂55	8♂Y50	9♂19	S 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	21s49	23s48	5s 7	20s51	0s 2	23s39	2s51	13n23	2n20	7s37	1s17	18n 9	0n26	22s40	0s 1	22s10	0n56	14n51	8s28	17n19	17n 2	0s59	17s18	5n59					
S 2	21 58	20 20	5 15	21 15	0 8	23 25	2 49	13 17	2 21	7 35	1 17	18 10	0 26	22 41	0 1	22 10	0 56	14 51	8 28	17 18	17 2	0 56	17 18	5 58					
S 3	22 7	16 5	5 8	21 39	0 15	23 11	2 47	13 11	2 23	7 32	1 17	18 10	0 27	22 41	0 1	22 9	0 56	14 51	8 28	17 17	17 1	0 53	17 18	5 58					
M 4	22 15	11 16	4 48	22 1	0 22	22 56	2 45	13 5	2 25	7 30	1 16	18 11	0 27	22 42	0 1	22 9	0 56	14 50	8 28	17 17	17 0	0 49	17 18	5 58					
T 5	22 23	6 6	4 15	22 22	0 28	22 41	2 43	13 0	2 27	7 28	1 16	18 11	0 27	22 42	0 1	22 9	0 56	14 50	8 28	17 18	16 59	0 46	17 18	5 58					
W 6	22 30	0 45	3 32	22 42	0 35	22 25	2 40	12 55	2 28	7 26	1 16	18 12	0 27	22 42	0 1	22 9	0 56	14 50	8 28	17 18	16 58	0 43	17 17	5 58					
T 7	22 37	4n39	2 39	23 0	0 41	22 9	2 38	12 49	2 30	7 23	1 16	18 13	0 27	22 43	0 1	22 9	0 56	14 50	8 28	17 18	16 57	0 40	17 17	5 58					
F 8	22 43	9 56	1 40	23 18	0 47	21 52	2 35	12 44	2 32	7 21	1 16	18 13	0 27	22 43	0 1	22 9	0 56	14 50	8 28	17 19	16 56	0 36	17 17	5 58					
S 9	22 49	14 56	0 35	23 34	0 53	21 35	2 32	12 39	2 34	7 18	1 15	18 14	0 27	22 44	0 1	22 9	0 56	14 50	8 28	17 19	16 55	0 33	17 17	5 58					
S 10	22 55	19 25	0n33	23 50	0 59	21 17	2 28	12 34	2 36	7 16	1 15	18 15	0 28	22 44	0 1	22 9	0 56	14 50	8 28	17 19	16 54	0 30	17 17	5 58					
M 11	23 0	23 7	1 40	24 4	1 5	21 0	2 25	12 30	2 37	7 13	1 15	18 15	0 28	22 44	0 1	22 8	0 56	14 50	8 28	17 19	16 53	0 27	17 16	5 57					
T 12	23 4	25 45	2 43	24 16	1 11	20 41	2 21	12 25	2 39	7 10	1 15	18 16	0 28	22 45	0 1	22 8	0 56	14 50	8 28	17 18	16 53	0 23	17 16	5 57					
W 13	23 9	27 2	3 39	24 28	1 16	20 23	2 17	12 21	2 41	7 8	1 15	18 17	0 28	22 45	0 1	22 8	0 56	14 50	8 28	17 17	16 52	0 20	17 16	5 57					
T 14	23 12	26 47	4 24	24 38	1 21	20 4	2 13	12 17	2 43	7 5	1 14	18 18	0 28	22 45	0 1	22 8	0 56	14 50	8 28	17 15	16 51	0 17	17 16	5 57					
F 15	23 15	24 56	4 55	24 47	1 26	19 45	2 9	12 13	2 45	7 2	1 14	18 18	0 28	22 46	0 1	22 8	0 56	14 50	8 28	17 13	16 50	0 14	17 15	5 57					
S 16	23 18	21 37	5 10	24 55	1 31	19 25	2 4	12 9	2 47	6 59	1 14	18 19	0 28	22 46	0 1	22 8	0 56	14 50	8 28	17 12	16 49	0 10	17 15	5 57					
S 17	23 21	17 3	5 6	25 1	1 36	19 5	2 0	12 6	2 49	6 56	1 14	18 20	0 29	22 47	0 1	22 8	0 56	14 50	8 28	17 11	16 48	0 7	17 15	5 57					
M 18	23 22	11 32	4 45	25 6	1 40	18 45	1 55	12 2	2 51	6 53	1 14	18 21	0 29	22 47	0 1	22 7	0 56	14 50	8 28	17 10	16 47	0 4	17 14	5 57					
T 19	23 24	5 25	4 6	25 9	1 45	18 25	1 49	11 59	2 53	6 50	1 13	18 22	0 29	22 47	0 1	22 7	0 56	14 50	8 28	17 10	16 46	0 1	17 14	5 57					
W 20	23 25	1s 0	3 12	25 11	1 48	18 4	1 44	11 56	2 55	6 46	1 13	18 23	0 29	22 48	0 1	22 7	0 56	14 50	8 28	17 10	16 45	0n 3	17 14	5 57					
T 21	23 25	7 24	2 6	25 12	1 52	17 44	1 38	11 53	2 57	6 43	1 13	18 24	0 29	22 48	0 1	22 7	0 56	14 50	8 28	17 10	16 44	0 6	17 13	5 57					
F 22	23 25	13 26	0 52	25 11	1 55	17 23	1 32	11 51	2 59	6 40	1 13	18 25	0 29	22 48	0 1	22 7	0 56	14 50	8 27	17 11	16 44	0 9	17 13	5 57					
S 23	23 25	18 44	0s24	25 9	1 59	17 1	1 26	11 49	3 1	6 36	1 13	18 26	0 29	22 49	0 1	22 7	0 56	14 50	8 27	17 11	16 43	0 12	17 13	5 57					
S 24	23 24	22 59	1 38	25 5	2 1	16 40	1 20	11 47	3 3	6 33	1 12	18 27	0 30	22 49	0 1	22 6	0 56	14 50	8 27	17 10	16 42	0 16	17 12	5 57					
M 25	23 22	25 49	2 46	25 0	2 4	16 19	1 13	11 45	3 5	6 30	1 12	18 28	0 30	22 49	0 1	22 6	0 56	14 50	8 27	17 9	16 41	0 19	17 12	5 57					
T 26	23 20	27 4	3 42	24 53	2 6	15 57	1 6	11 43	3 7	6 26	1 12	18 29	0 30	22 50	0 1	22 6	0 56	14 50	8 27	17 7	16 40	0 22	17 11	5 57					
W 27	23 18	26 40	4 26	24 45	2 8	15 35	0 59	11 42	3 9	6 22	1 12	18 30	0 30	22 50	0 1	22 6	0 56	14 50	8 27	17 5	16 39	0 25	17 11	5 57					
T 28	23 15	24 46	4 54	24 35	2 9	15 14	0 52	11 41	3 12	6 19	1 12	18 31	0 30	22 51	0 1	22 6	0 56	14 50	8 27	17 3	16 38	0 29	17 10	5 57					
F 29	23 12	21 39	5 6	24 24	2 10	14 52	0 44	11 40	3 14	6 15	1 12	18 32	0 30	22 51	0 1	22 6	0 56	14 50	8 27	17 0	16 37	0 32	17 10	5 57					
S 30	23 8	17 35	5 3	24 11	2 11	14 30	0 36	11 40	3 16	6 11	1 11	18 34	0 30	22 51	0 1	22 6	0 56	14 51	8 27	16 58	16 36	0 35	17 10	5 57					
S 31	23s 4	12s52	4s46	23s57	2s11	14s 8	0s28	11n39	3n18	6s 7	1s11	18n35	0n30	22s52	0s 1	22s 5	0n56	14n51	8s27	16n56	16n35	0n39	17s 9	5n57					