



Astrodienst Ephemeris Tables for the year 2151

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 2151
geocentric

JANUARY 2151

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 41 33	10♌12'41	12♏0	28♌6	6♌35	28♌40	21♌16	8♌16	9♌10	6♌12	21♌49	25♏29	24♏34	17♌19	19♌54	F 1
S 2	6 45 30	11°13'48	27°0	29°37	7°50	28♏19	21°30	8♏11	9°13	6°14	21♏48	25♌29	24°31	17°25	20°1	S 2
S 3	6 49 26	12°14'56	12♏13	1♌9	9°4	27°57	21°44	8°6	9°17	6°16	21°47	25°28	24°28	17°32	20°8	S 3
M 4	6 53 23	13°16'04	27°28	2°41	10°19	27°35	21°58	8°1	9°20	6°19	21°46	25°27	24°24	17°39	20°15	M 4
T 5	6 57 19	14°17'12	12♏37	4°14	11°34	27°13	22°12	7°57	9°23	6°21	21°45	25°25	24°21	17°45	20°22	T 5
W 6	7 1 16	15°18'20	27°29	5°47	12°48	26°50	22°26	7°52	9°26	6°23	21°44	25°22	24°18	17°52	20°28	W 6
T 7	7 5 12	16°19'28	11♏58	7°20	14°2	26°27	22°40	7°47	9°29	6°26	21°43	25°19	24°15	17°59	20°35	T 7
F 8	7 9 9	17°20'36	26°0	8°54	15°17	26°4	22°54	7°42	9°33	6°28	21°42	25°17	24°12	18°5	20°42	F 8
S 9	7 13 5	18°21'45	9♏34	10°28	16°31	25°40	23°8	7°37	9°36	6°30	21°41	25°16	24°8	18°12	20°49	S 9
S 10	7 17 2	19°22'53	22°41	12°2	17°46	25°17	23°22	7°32	9°39	6°32	21°40	25°D16	24°5	18°19	20°55	S 10
M11	7 20 59	20°24'02	5♏25	13°37	19°0	24°53	23°36	7°27	9°42	6°34	21°39	25°16	24°2	18°25	21°2	M11
T 12	7 24 55	21°25'12	17°50	15°12	20°14	24°29	23°50	7°23	9°45	6°37	21°38	25°18	23°59	18°32	21°8	T 12
W13	7 28 52	22°26'21	29°59	16°47	21°29	24°5	24°4	7°18	9°48	6°39	21°37	25°20	23°56	18°39	21°15	W13
T 14	7 32 48	23°27'30	11♌59	18°23	22°43	23°41	24°18	7°13	9°51	6°41	21°36	25°21	23°53	18°45	21°21	T 14
F 15	7 36 45	24°28'39	23°51	20°0	23°57	23°17	24°32	7°9	9°54	6°43	21°35	25°R22	23°49	18°52	21°28	F 15
S 16	7 40 41	25°29'48	5♌39	21°37	25°11	22°53	24°46	7°4	9°57	6°45	21°34	25°21	23°46	18°59	21°34	S 16
S 17	7 44 38	26°30'56	17°26	23°14	26°26	22°29	25°0	6°59	9°59	6°48	21°33	25°19	23°43	19°5	21°41	S 17
M18	7 48 34	27°32'05	29°15	24°52	27°40	22°6	25°14	6°55	10°2	6°50	21°32	25°15	23°40	19°12	21°47	M18
T 19	7 52 31	28°33'12	11♏7	26°30	28°54	21°42	25°28	6°51	10°5	6°52	21°31	25°10	23°37	19°19	21°53	T 19
W20	7 56 28	29°34'20	23°4	28°9	0♏8	21°19	25°42	6°46	10°8	6°54	21°30	25°4	23°34	19°25	21°59	W20
T 21	8 0 24	0♌35'26	5♏7	29°49	1°22	20°57	25°56	6°42	10°10	6°56	21°29	24°57	23°30	19°32	22°6	T 21
F 22	8 4 21	1°36'32	17°19	1♌29	2°36	20°34	26°10	6°38	10°13	6°58	21°29	24°50	23°27	19°39	22°12	F 22
S 23	8 8 17	2°37'37	29°42	3°9	3°50	20°13	26°24	6°33	10°16	7°0	21°28	24°45	23°24	19°45	22°18	S 23
S 24	8 12 14	3°38'41	12♏19	4°50	5°4	19°51	26°38	6°29	10°18	7°3	21°27	24°41	23°21	19°52	22°24	S 24
M25	8 16 10	4°39'44	25°12	6°32	6°18	19°30	26°52	6°25	10°21	7°5	21°26	24°38	23°18	19°59	22°30	M25
T 26	8 20 7	5°40'46	8♏24	8°14	7°32	19°10	27°6	6°21	10°23	7°7	21°25	24°D38	23°14	20°5	22°36	T 26
W27	8 24 3	6°41'47	21°58	9°57	8°45	18°50	27°20	6°17	10°26	7°9	21°24	24°39	23°11	20°12	22°42	W27
T 28	8 28 0	7°42'48	5♏57	11°40	9°59	18°31	27°34	6°13	10°28	7°11	21°24	24°40	23°8	20°19	22°47	T 28
F 29	8 31 57	8°43'47	20°20	13°24	11°13	18°13	27°48	6°9	10°31	7°13	21°23	24°R41	23°5	20°25	22°53	F 29
S 30	8 35 53	9°44'45	5♏5	15°8	12°26	17°55	28°2	6°6	10°33	7°15	21°22	24°41	23°2	20°32	22°59	S 30
S 31	8 39 50	10♌45'42	20♏8	16♌53	13♏40	17♏38	28♌16	6♏2	10♌35	7♌17	21♏22	24♏38	22♏59	20♌39	23♌4	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
F 1	23s 2	20n59	1s14	23s52	0s28	20s14	1s41	24n12	3n52	21s57	0s13	22n22	0s47	21s43	0n 5	22s15	1n 2	14n12	8s59	23n21	23n18	24s17	18s22	4n41			
S 2	22 57	23 32	0n 8	24 0	0 35	19 56	1 42	24 18	3 54	21 55	0 13	22 23	0 47	21 44	0 5	22 14	1 2	14 12	8 59	23 21	23 18	24 17	18 22	4 41			
S 3	22 51	24 23	1 31	24 6	0 41	19 37	1 42	24 25	3 56	21 53	0 13	22 23	0 47	21 44	0 5	22 14	1 2	14 12	8 58	23 21	23 18	24 17	18 22	4 41			
M 4	22 46	23 24	2 48	24 11	0 47	19 17	1 42	24 31	3 58	21 51	0 13	22 24	0 47	21 45	0 5	22 14	1 2	14 13	8 58	23 20	23 18	24 16	18 23	4 42			
T 5	22 39	20 43	3 52	24 15	0 54	18 57	1 43	24 37	4 0	21 49	0 13	22 24	0 47	21 45	0 5	22 14	1 2	14 13	8 58	23 20	23 18	24 16	18 23	4 42			
W 6	22 33	16 42	4 39	24 17	1 0	18 36	1 43	24 43	4 2	21 46	0 13	22 24	0 47	21 46	0 5	22 14	1 2	14 13	8 58	23 20	23 18	24 16	18 23	4 42			
T 7	22 25	11 48	5 7	24 18	1 5	18 15	1 43	24 49	4 3	21 44	0 13	22 25	0 47	21 46	0 5	22 14	1 2	14 13	8 58	23 20	23 18	24 16	18 23	4 43			
F 8	22 18	6 25	5 16	24 18	1 11	17 53	1 43	24 55	4 5	21 42	0 14	22 25	0 47	21 46	0 5	22 14	1 2	14 13	8 58	23 20	23 18	24 16	18 23	4 43			
S 9	22 10	0 54	5 6	24 17	1 16	17 30	1 43	25 1	4 6	21 40	0 14	22 26	0 47	21 47	0 5	22 14	1 2	14 13	8 58	23 20	23 17	24 16	18 23	4 43			
S 10	22 1	4s29	4 40	24 14	1 22	17 8	1 43	25 7	4 7	21 37	0 14	22 26	0 46	21 47	0 5	22 14	1 2	14 13	8 58	23 20	23 17	24 16	18 23	4 44			
M11	21 52	9 31	4 1	24 9	1 26	16 44	1 42	25 13	4 9	21 35	0 14	22 26	0 46	21 48	0 5	22 14	1 2	14 13	8 57	23 20	23 17	24 16	18 23	4 44			
T 12	21 43	14 3	3 12	24 4	1 31	16 21	1 42	25 18	4 10	21 33	0 14	22 27	0 46	21 48	0 5	22 13	1 2	14 13	8 57	23 20	23 17	24 16	18 23	4 45			
W13	21 33	17 56	2 15	23 57	1 36	15 56	1 42	25 24	4 11	21 31	0 14	22 27	0 46	21 49	0 5	22 13	1 2	14 13	8 57	23 20	23 17	24 16	18 24	4 45			
T 14	21 23	21 0	1 13	23 48	1 40	15 32	1 41	25 29	4 12	21 28	0 14	22 28	0 46	21 49	0 5	22 13	1 2	14 13	8 57	23 20	23 17	24 15	18 24	4 45			
F 15	21 12	23 8	0 8	23 38	1 44	15 7	1 41	25 34	4 13	21 26	0 14	22 28	0 46	21 50	0 5	22 13	1 2	14 13	8 57	23 20	23 17	24 15	18 24	4 46			
S 16	21 1	24 14	0s56	23 27	1 47	14 41	1 40	25 38	4 13	21 23	0 14	22 28	0 46	21 50	0 5	22 13	1 2	14 13	8 57	23 20	23 16	24 15	18 24	4 46			
S 17	20 50	24 14	1 58	23 14	1 51	14 15	1 40	25 43	4 14	21 21	0 14	22 29	0 46	21 50	0 5	22 13	1 2	14 14	8 57	23 20	23 16	24 15	18 24	4 47			
M18	20 38	23 8	2 55	23 0	1 54	13 49	1 39	25 47	4 14	21 18	0 14	22 29	0 45	21 51	0 5	22 13	1 2	14 14	8 56	23 20	23 16	24 15	18 24	4 47			
T 19	20 26	21 1	3 44	22 44	1 56	13 23	1 38	25 52	4 15	21 16	0 15	22 29	0 45	21 51	0 5	22 13	1 2	14 14	8 56	23 20	23 16	24 15	18 23	4 47			
W20	20 13	17 58	4 24	22 27	1 59	12 56	1 37	25 56	4 15	21 14	0 15	22 30	0 45	21 52	0 5	22 13	1 2	14 14	8 56	23 20	23 16	24 14	18 23	4 48			
T 21	20 0	14 9	4 53	22 9	2 1	12 29	1 36	25 59	4 15	21 11	0 15	22 30	0 45	21 52	0 5	22 12	1 2	14 14	8 56	23 19	23 16	24 14	18 23	4 48			
F 22	19 47	9 44	5 8	21 48	2 3	12 1	1 35	26 3	4 15	21 8	0 15	22 31	0 45	21 53	0 5	22 12	1 2	14 14	8 56	23 19	23 15	24 14	18 23	4 49			
S 23	19 33	4 51	5 10	21 27	2 4	11 33	1 34	26 6	4 15	21 6	0 15	22 31	0 45	21 53	0 5	22 12	1 2	14 14	8 56	23 19	23 15	24 14	18 23	4 49			
S 24	19 19	0n19	4 56	21 4	2 5	11 5	1 33	26 9	4 15	21 3	0 15	22 31	0 45	21 53	0 5	22 12	1 2	14 14	8 55	23 19	23 15	24 14	18 23	4 49			
M25	19 5	5 35	4 28	20 39	2 5	10 37	1 31	26 12	4 15	21 1	0 15	22 32	0 44	21 54	0 5	22 12	1 2	14 14	8 55	23 19	23 15	24 13	18 23	4 50			
T 26	18 50	10 44	3 45	20 13	2 6	10 8	1 30	26 15	4 14	20 58	0 15	22 32	0 44	21 54	0 5	22 12	1 2	14 15	8 55	23 19	23 15	24 13	18 23	4 50			
W27	18 35	15 32	2 48	19 45	2 5	9 39	1 28	26 17	4 14	20 56	0 15	22 32	0 44	21 54	0 5	22 12	1 2	14 15	8 55	23 19	23 15	24 13	18 23	4 51			
T 28	18 20	19 39	1 40	19 16	2 4	9 10	1 27	26 19	4 13	20 53	0 15	22 33	0 44	21 55	0 5	22 12	1 2	14 15	8 55	23 19	23 15	24 13	18 23	4 51			
F 29	18 4	22 41	0 24	18 45	2 3	8 40	1 25	26 21	4 13	20 50	0 16	22 33	0 44	21 55	0 5	22 12	1 2	14 15	8 54	23 19	23 14	24 13	18 22	4 52			
S 30	17 48	24 15	0n56	18 13	2 2	8 10	1 24	26 23	4 12	20 48	0 16	22 33	0 44	21 55	0 5	22 11	1 2	14 15	8 54	23 19	23 14	24 12	18 22	4 52			
S 31	17s31	24n 6	2n13	17s40	1s59	7s41	1s22	26n25	4n11	20s45	0s16	22n34	0s43	21s56	0n 5	22s11	1n 2	14n15	8s54	23n19	23n14	24s12	18s22	4n53			

ASTRODIENST EPHEMERIS for the year 2151

geocentric

FEBRUARY 2151

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8 43 46	11°46'38	5°20'20	18°38'38	14°53'53	17°R21	28°30'30	5°R59	10°37'37	7°19'19	21°R21	24°R34	22°II55	20°34'45	23°37'10	M 1
T 2	8 47 43	12°47'33	20°32'32	20°23'23	16° 7' 7	17°5 5	28°44'44	5°55'55	10°40'40	7°21'21	21°II20	24°II27	22°52'52	20°52'52	23°15'15	T 2
W 3	8 51 39	13°48'27	5°17'32	22° 9' 9	17°20'20	16°50'50	28°58'58	5°52'52	10°42'42	7°23'23	21°20'20	24°19'19	22°49'49	20°59'59	23°21'21	W 3
T 4	8 55 36	14°49'20	20°13'13	23°55'55	18°34'34	16°36'36	29°12'12	5°48'48	10°44'44	7°24'24	21°19'19	24°11'11	22°46'46	21° 5' 5	23°26'26	T 4
F 5	8 59 33	15°50'12	4°27'27	25°41'41	19°47'47	16°22'22	29°25'25	5°45'45	10°46'46	7°26'26	21°18'18	24° 4' 4	22°43'43	21°12'12	23°31'31	F 5
S 6	9 3 29	16°51'03	18°12'12	27°27'27	21° 0' 0	16°10'10	29°39'39	5°42'42	10°48'48	7°28'28	21°18'18	23°58'58	22°40'40	21°19'19	23°37'37	S 6
S 7	9 7 26	17°51'54	1°18'27	29°12'12	22°13'13	15°58'58	29°53'53	5°39'39	10°50'50	7°30'30	21°17'17	23°54'54	22°36'36	21°25'25	23°42'42	S 7
M 8	9 11 22	18°52'44	14°15'15	0°57'57	23°26'26	15°46'46	0°57'57	5°36'36	10°52'52	7°32'32	21°16'16	23°D53	22°33'33	21°32'32	23°47'47	M 8
T 9	9 15 19	19°53'32	26°41'41	2°42'42	24°39'39	15°36'36	0°20'20	5°33'33	10°54'54	7°34'34	21°16'16	23°53'53	22°30'30	21°39'39	23°52'52	T 9
W10	9 19 15	20°54'20	8°49'49	4°25'25	25°52'52	15°26'26	0°34'34	5°31'31	10°56'56	7°35'35	21°15'15	23°54'54	22°27'27	21°45'45	23°57'57	W10
T 11	9 23 12	21°55'07	20°45'45	6° 7' 7	27° 5' 5	15°17'17	0°48'48	5°28'28	10°57'57	7°37'37	21°15'15	23°R55	22°24'24	21°52'52	24° 2' 2	T 11
F 12	9 27 8	22°55'53	2°33'33	7°48'48	28°18'18	15° 9' 9	1° 1' 1	5°25'25	10°59'59	7°39'39	21°14'14	23°54'54	22°20'20	21°59'59	24° 7' 7	F 12
S 13	9 31 5	23°56'38	14°20'20	9°26'26	29°31'31	15° 2' 2	1°15'15	5°23'23	11° 1' 1	7°41'41	21°14'14	23°52'52	22°17'17	22° 5' 5	24°11'11	S 13
S 14	9 35 2	24°57'22	26° 7' 7	11° 1' 1	0°Y44	14°56'56	1°28'28	5°21'21	11° 3' 3	7°42'42	21°14'14	23°47'47	22°14'14	22°12'12	24°16'16	S 14
M15	9 38 58	25°58'04	7°59'59	12°34'34	1°56'56	14°50'50	1°42'42	5°18'18	11° 4' 4	7°44'44	21°13'13	23°39'39	22°11'11	22°19'19	24°21'21	M15
T 16	9 42 55	26°58'46	19°58'58	14° 2' 2	3° 9' 9	14°45'45	1°55'55	5°16'16	11° 6' 6	7°46'46	21°13'13	23°29'29	22° 8' 8	22°25'25	24°25'25	T 16
W17	9 46 51	27°59'25	2°57'57	15°27'27	4°21'21	14°41'41	2° 9' 9	5°14'14	11° 7' 7	7°47'47	21°12'12	23°17'17	22° 5' 5	22°32'32	24°30'30	W17
T 18	9 50 48	29° 0'04	14°21'21	16°46'46	5°34'34	14°38'38	2°22'22	5°12'12	11° 9' 9	7°49'49	21°12'12	23° 4' 4	22° 1' 1	22°39'39	24°34'34	T 18
F 19	9 54 44	0°40'40	17°59'59	6°46'46	14°35'35	14°35'35	2°35'35	5°10'10	11°10'10	7°51'51	21°12'12	22°52'52	21°58'58	22°45'45	24°38'38	F 19
S 20	9 58 41	1° 1'15	9°Y23	19° 6' 6	7°58'58	14°34'34	2°49'49	5° 9' 9	11°11'11	7°52'52	21°11'11	22°41'41	21°55'55	22°52'52	24°43'43	S 20
S 21	10 2 37	2° 1'49	22°11'11	20° 6' 6	9°11'11	14°33'33	3° 2' 2	5° 7' 7	11°13'13	7°54'54	21°11'11	22°32'32	21°52'52	22°59'59	24°47'47	S 21
M22	10 6 34	3° 2'21	5°B11	20°58'58	10°23'23	14°D33	3°15'15	5° 6' 6	11°14'14	7°55'55	21°11'11	22°26'26	21°49'49	23° 5' 5	24°51'51	M22
T 23	10 10 30	4° 2'51	18°25'25	21°42'42	11°35'35	14°33'33	3°28'28	5° 4' 4	11°15'15	7°57'57	21°10'10	22°23'23	21°46'46	23°12'12	24°55'55	T 23
W24	10 14 27	5° 3'19	1°II55	22°17'17	12°47'47	14°35'35	3°41'41	5° 3' 3	11°16'16	7°58'58	21°10'10	22°D22	21°42'42	23°19'19	24°59'59	W24
T 25	10 18 24	6° 3'45	15°43'43	22°42'42	13°58'58	14°37'37	3°54'54	5° 2' 2	11°17'17	7°59'59	21°10'10	22°R22	21°39'39	23°25'25	25° 2' 2	T 25
F 26	10 22 20	7° 4'09	29°49'49	22°57'57	15°10'10	14°39'39	4° 7' 7	5° 1' 1	11°18'18	8° 1' 1	21°10'10	22°22'22	21°36'36	23°32'32	25° 6' 6	F 26
S 27	10 26 17	8° 4'32	14°51'51	23°R 3	16°22'22	14°43'43	4°20'20	5° 0' 0	11°19'19	8° 2' 2	21°10'10	22°21'21	21°33'33	23°39'39	25°10'10	S 27
S 28	10 30 13	9°4'52	28°55'55	22°59'59	17°Y33	14°54'54	4°33'33	4°59'59	11°20'20	8°3'4	21°II10	22°II17	21°II30	23°34'45	25°37'13	S 28

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
M 1	17s15	22n11	3n22	17s 5	1s57	7s10	1s20	26n26	4n10	20s42	0s16	22n34	0s43	21s56	0n 5	22s11	1n 2	14n15	8s54	23n19	23n14	24s12	18s22	4n53			
T 2	16 57	18 40	4 16	16 28	1 53	6 40	1 18	26 27	4 9	20 39	0 16	22 34	0 43	21 56	0 5	22 11	1 2	14 16	8 54	23 18	23 14	24 12	18 22	4 54			
W 3	16 40	13 59	4 51	15 50	1 49	6 10	1 16	26 28	4 8	20 37	0 16	22 34	0 43	21 57	0 5	22 11	1 2	14 16	8 53	23 18	23 14	24 11	18 21	4 54			
T 4	16 22	8 34	5 6	15 11	1 45	5 39	1 14	26 29	4 7	20 34	0 16	22 35	0 43	21 57	0 5	22 11	1 2	14 16	8 53	23 18	23 13	24 11	18 21	4 55			
F 5	16 5	2 51	5 2	14 31	1 40	5 9	1 12	26 29	4 6	20 31	0 16	22 35	0 43	21 57	0 5	22 11	1 2	14 16	8 53	23 17	23 13	24 11	18 21	4 56			
S 6	15 46	2s48	4 40	13 49	1 34	4 38	1 9	26 30	4 5	20 28	0 16	22 35	0 43	21 58	0 5	22 11	1 2	14 16	8 53	23 17	23 13	24 11	18 21	4 56			
S 7	15 28	8 9	4 4	13 6	1 27	4 7	1 7	26 30	4 4	20 26	0 16	22 36	0 42	21 58	0 5	22 10	1 2	14 16	8 53	23 17	23 13	24 10	18 20	4 56			
M 8	15 9	12 58	3 17	12 23	1 20	3 36	1 5	26 30	4 3	20 23	0 17	22 36	0 42	21 58	0 5	22 10	1 2	14 17	8 52	23 17	23 13	24 10	18 20	4 57			
T 9	14 50	17 7	2 21	11 38	1 12	3 4	1 2	26 30	4 1	20 20	0 17	22 36	0 42	21 58	0 5	22 10	1 2	14 17	8 52	23 17	23 12	24 10	18 20	4 57			
W10	14 31	20 26	1 20	10 52	1 4	2 33	1 0	26 30	4 0	20 17	0 17	22 36	0 42	21 59	0 5	22 10	1 2	14 17	8 52	23 17	23 12	24 9	18 19	4 58			
T 11	14 11	22 49	0 17	10 6	0 55	2 2	0 57	26 29	3 58	20 14	0 17	22 37	0 42	21 59	0 5	22 10	1 2	14 17	8 52	23 17	23 12	24 9	18 19	4 58			
F 12	13 52	24 10	0s46	9 20	0 45	1 31	0 55	26 29	3 57	20 11	0 17	22 37	0 42	21 59	0 5	22 10	1 2	14 17	8 52	23 17	23 12	24 9	18 19	4 59			
S 13	13 32	24 25	1 47	8 33	0 34	0 59	0 52	26 28	3 55	20 9	0 17	22 37	0 41	21 59	0 5	22 10	1 2	14 18	8 51	23 17	23 12	24 8	18 18	5 0			
S 14	13 12	23 35	2 43	7 46	0 22	0 28	0 49	26 27	3 54	20 6	0 17	22 38	0 41	22 0	0 5	22 10	1 2	14 18	8 51	23 16	23 12	24 8	18 18	5 0			
M15	12 51	21 41	3 33	7 0	0 10	0n 4	0 46	26 27	3 52	20 3	0 17	22 38	0 41	22 0	0 5	22 10	1 2	14 18	8 51	23 16	23 11	24 8	18 18	5 1			
T 16	12 31	18 49	4 13	6 14	0n 3	0 35	0 43	26 26	3 51	20 0	0 17	22 38	0 41	22 0	0 5	22 9	1 2	14 18	8 51	23 16	23 11	24 7	18 17	5 1			
W17	12 10	15 7	4 42	5 29	0 16	1 7	0 40	26 24	3 49	19 57	0 18	22 38	0 41	22 0	0 5	22 9	1 2	14 18	8 50	23 15	23 11	24 7	18 17	5 2			
T 18	11 49	10 45	4 59	4 45	0 30	1 38	0 37	26 23	3 47	19 54	0 18	22 39	0 41	22 1	0 5	22 9	1 2	14 19	8 50	23 14	23 11	24 7	18 16	5 2			
F 19	11 28	5 53	5 2	4 3	0 45	2 10	0 34	26 22	3 46	19 51	0 18	22 39	0 40	22 1	0 5	22 9	1 2	14 19	8 50	23 14	23 11	24 6	18 16	5 3			
S 20	11 6	0 43	4 50	3 24	1 0	2 41	0 31	26 20	3 44	19 48	0 18	22 39	0 40	22 1	0 5	22 9	1 2	14 19	8 50	23 13	23 10	24 6	18 16	5 4			
S 21	10 45	4n33	4 23	2 46	1 15	3 12	0 28	26 19	3 42	19 45	0 18	22 39	0 40	22 1	0 5	22 9	1 2	14 19	8 50	23 13	23 10	24 5	18 15	5 4			
M22	10 23	9 44	3 43	2 11	1 30	3 44	0 25	26 17	3 41	19 43	0 18	22 39	0 40	22 1	0 5	22 9	1 2	14 19	8 49	23 12	23 10	24 5	18 15	5 5			
T 23	10 1	14 34	2 50	1 40	1 46	4 15	0 21	26 15	3 39	19 40	0 18	22 40	0 40	22 1	0 5	22 9	1 2	14 20	8 49	23 12	23 10	24 5	18 14	5 5			
W24	9 39	18 48	1 46	1 12	2 1	4 46	0 18	26 13	3 37	19 37	0 18	22 40	0 40	22 2	0 5	22 9	1 2	14 20	8 49	23 12	23 10	24 4	18 14	5 6			
T 25	9 17	22 4	0 35	0 49	2 16	5 17	0 14	26 12	3 36	19 34	0 19	22 40	0 39	22 2	0 5	22 8	1 2	14 20	8 49	23 12	23 9	24 4	18 13	5 7			
F 26	8 55	24 5	0n39	0 29	2 30	5 48	0 11	26 9	3 34	19 31	0 19	22 40	0 39	22 2	0 5	22 8	1 2	14 20	8 48	23 12	23 9	24 3	18 13	5 7			
S 27	8 32	24 32	1 53	0 15	2 44	6 19	0 8	26 7	3 32	19 28	0 19	22 41	0 39	22 2	0 5	22 8	1 2	14 20	8 48	23 12	23 9	24 3	18 12	5 8			
S 28	8s10	23n18	3n 1	0s 5	2n57	6n49	0s 4	26n 5	3n30	19s25	0s19	22n41	0s39	22s 2	0n 5	22s 8	1n 2	14n21	8s48	23n12	23n 9	24s 3	18s12	5n			

ASTRODIENST EPHEMERIS for the year 2151
geocentric

MARCH 2151

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	10 34 10	10♈ 5'11	13♌46	22°R45	18°Y45	14♌52	4♌46	4°R58	11♎21	8♌5	21°R 9	22°R10	21♐26	23♌52	25♎17	M 1
T 2	10 38 6	11° 5'28	28°41	22♈21	19°56	14°57	4°58	4♌57	11°22	8° 6	21♐ 9	22♐ 0	21°23	23°59	25°20	T 2
W 3	10 42 3	12° 5'42	13♎31	21°49	21° 7	15° 4	5°11	4°57	11°23	8° 7	21° 9	21°49	21°20	24° 5	25°23	W 3
T 4	10 45 59	13° 5'55	28° 7	21° 9	22°18	15°10	5°23	4°57	11°23	8° 9	21° 9	21°37	21°17	24°12	25°27	T 4
F 5	10 49 56	14° 6'07	12♌21	20°22	23°29	15°18	5°36	4°56	11°24	8°10	21° 9	21°26	21°14	24°19	25°30	F 5
S 6	10 53 53	15° 6'16	26° 9	19°29	24°40	15°26	5°48	4°56	11°25	8°11	21°D 9	21°16	21°11	24°25	25°33	S 6
S 7	10 57 49	16° 6'24	9♎29	18°32	25°51	15°35	6° 1	4°D56	11°25	8°12	21° 9	21°10	21° 7	24°32	25°36	S 7
M 8	11 1 46	17° 6'31	22°23	17°32	27° 1	15°44	6°13	4°56	11°26	8°13	21° 9	21° 6	21° 4	24°39	25°39	M 8
T 9	11 5 42	18° 6'36	4♎53	16°31	28°12	15°54	6°25	4°56	11°26	8°14	21° 9	21° 4	21° 1	24°45	25°41	T 9
W10	11 9 39	19° 6'39	17° 4	15°30	29°22	16° 4	6°38	4°57	11°26	8°15	21° 9	21° 3	20°58	24°52	25°44	W10
T 11	11 13 35	20° 6'41	29° 1	14°30	0♎33	16°15	6°50	4°57	11°27	8°16	21° 9	21° 3	20°55	24°59	25°47	T 11
F 12	11 17 32	21° 6'41	10♌51	13°33	1°43	16°27	7° 2	4°57	11°27	8°17	21°10	21° 2	20°51	25° 5	25°49	F 12
S 13	11 21 28	22° 6'40	22°39	12°39	2°53	16°39	7°14	4°58	11°27	8°18	21°10	21° 0	20°48	25°12	25°51	S 13
S 14	11 25 25	23° 6'37	4♎28	11°50	4° 3	16°51	7°26	4°59	11°27	8°19	21°10	20°54	20°45	25°19	25°54	S 14
M15	11 29 22	24° 6'32	16°24	11° 6	5°12	17° 4	7°37	5° 0	11°28	8°20	21°10	20°46	20°42	25°25	25°56	M15
T 16	11 33 18	25° 6'26	28°30	10°29	6°22	17°18	7°49	5° 1	11°28	8°21	21°10	20°35	20°39	25°32	25°58	T 16
W17	11 37 15	26° 6'17	10♈48	9°57	7°31	17°32	8° 1	5° 2	11°R28	8°22	21°11	20°22	20°36	25°39	26° 0	W17
T 18	11 41 11	27° 6'07	23°18	9°32	8°41	17°46	8°12	5° 3	11°28	8°22	21°11	20° 8	20°32	25°45	26° 2	T 18
F 19	11 45 8	28° 5'54	6°Y 2	9°13	9°50	18° 2	8°24	5° 4	11°27	8°23	21°11	19°54	20°29	25°52	26° 4	F 19
S 20	11 49 4	29° 5'40	18°58	9° 0	10°59	18°17	8°35	5° 6	11°27	8°24	21°11	19°42	20°26	25°59	26° 5	S 20
S 21	11 53 1	0°Y 5'23	2♎6	8°54	12° 8	18°33	8°46	5° 7	11°27	8°25	21°12	19°32	20°23	26° 5	26° 7	S 21
M22	11 56 57	1° 5'05	15°24	8°D54	13°17	18°49	8°58	5° 9	11°27	8°25	21°12	19°26	20°20	26°12	26° 9	M22
T 23	12 0 54	2° 4'44	28°52	8°59	14°25	19° 6	9° 9	5°10	11°27	8°26	21°12	19°22	20°17	26°19	26°10	T 23
W24	12 4 51	3° 4'21	12♐31	9°11	15°34	19°24	9°20	5°12	11°26	8°27	21°13	19°21	20°13	26°25	26°11	W24
T 25	12 8 47	4° 3'56	26°21	9°27	16°42	19°41	9°31	5°14	11°26	8°27	21°13	19°D20	20°10	26°32	26°13	T 25
F 26	12 12 44	5° 3'29	10♌21	9°49	17°50	19°59	9°42	5°16	11°25	8°28	21°14	19°R20	20° 7	26°39	26°14	F 26
S 27	12 16 40	6° 2'59	24°32	10°15	18°58	20°18	9°52	5°18	11°25	8°28	21°14	19°19	20° 4	26°45	26°15	S 27
S 28	12 20 37	7° 2'27	8♌52	10°46	20° 5	20°37	10° 3	5°21	11°24	8°29	21°15	19°16	20° 1	26°52	26°16	S 28
M29	12 24 33	8° 1'52	23°19	11°22	21°13	20°56	10°13	5°23	11°24	8°29	21°15	19°10	19°57	26°59	26°17	M29
T 30	12 28 30	9° 1'15	7♎47	12° 1	22°20	21°16	10°24	5°26	11°23	8°29	21°16	19° 1	19°54	27° 5	26°17	T 30
W31	12 32 26	10°Y 0'36	22♎12	12♈44	23♎27	21♌35	10♎34	5°28	11♎22	8♌30	21♐16	18♐51	19♐51	27♌12	26♎18	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
M 1	7s47	20n27	3n57	0n 0	3n 8	7n20	0s 0	26n 3	3n29	19s22	0s19	22n41	0s39	22s 2	0n 5	22s 8	1n 3	14n21	8s48	23n11	23n 9	24s 2	18s11	5n 9	
T 2	7 24	16 14	4 37	0 0	3 18	7 50	0n 3	26 1	3 27	19 19	0 19	22 41	0 39	22 2	0 5	22 8	1 3	14 21	8 47	23 11	23 8	24 2	18 11	5 10	
W 3	7 1	11 3	4 58	0s 5	3 27	8 20	0 7	25 58	3 25	19 16	0 19	22 41	0 38	22 3	0 5	22 8	1 3	14 21	8 47	23 10	23 8	24 1	18 10	5 10	
T 4	6 38	5 19	4 59	0 14	3 33	8 50	0 11	25 56	3 24	19 13	0 19	22 41	0 38	22 3	0 5	22 8	1 3	14 22	8 47	23 9	23 8	24 1	18 10	5 11	
F 5	6 15	0s34	4 41	0 28	3 38	9 20	0 14	25 53	3 22	19 10	0 20	22 42	0 38	22 3	0 5	22 8	1 3	14 22	8 47	23 9	23 8	24 0	18 9	5 12	
S 6	5 52	6 15	4 7	0 47	3 41	9 50	0 18	25 50	3 20	19 7	0 20	22 42	0 38	22 3	0 5	22 8	1 3	14 22	8 47	23 8	23 8	24 0	18 9	5 12	
S 7	5 29	11 28	3 21	1 8	3 41	10 19	0 22	25 48	3 18	19 4	0 20	22 42	0 38	22 3	0 5	22 7	1 3	14 22	8 46	23 8	23 7	23 59	18 8	5 13	
M 8	5 5	16 0	2 26	1 33	3 39	10 48	0 26	25 45	3 17	19 1	0 20	22 42	0 38	22 3	0 5	22 7	1 3	14 23	8 46	23 7	23 7	23 59	18 7	5 14	
T 9	4 42	19 42	1 25	2 0	3 35	11 17	0 30	25 42	3 15	18 59	0 20	22 42	0 37	22 3	0 5	22 7	1 3	14 23	8 46	23 7	23 7	23 58	18 7	5 14	
W10	4 18	22 26	0 21	2 29	3 30	11 46	0 34	25 39	3 13	18 56	0 20	22 42	0 37	22 3	0 5	22 7	1 3	14 23	8 46	23 7	23 7	23 58	18 6	5 15	
T 11	3 55	24 7	0s42	2 59	3 22	12 14	0 38	25 36	3 12	18 53	0 20	22 43	0 37	22 3	0 5	22 7	1 3	14 23	8 45	23 7	23 7	23 57	18 6	5 16	
F 12	3 31	24 41	1 43	3 30	3 13	12 42	0 41	25 33	3 10	18 50	0 20	22 43	0 37	22 3	0 5	22 7	1 3	14 24	8 45	23 7	23 6	23 57	18 5	5 16	
S 13	3 8	24 8	2 39	4 0	3 2	13 10	0 45	25 30	3 8	18 47	0 21	22 43	0 37	22 3	0 5	22 7	1 3	14 24	8 45	23 7	23 6	23 56	18 5	5 17	
S 14	2 44	22 30	3 28	4 30	2 50	13 38	0 49	25 27	3 7	18 44	0 21	22 43	0 37	22 3	0 5	22 7	1 3	14 24	8 45	23 7	23 6	23 56	18 4	5 18	
M15	2 20	19 51	4 9	4 58	2 37	14 5	0 53	25 23	3 5	18 41	0 21	22 43	0 36	22 3	0 5	22 7	1 3	14 24	8 44	23 6	23 6	23 55	18 3	5 18	
T 16	1 57	16 20	4 38	5 25	2 23	14 32	0 57	25 20	3 3	18 38	0 21	22 43	0 36	22 3	0 5	22 7	1 3	14 25	8 44	23 5	23 5	23 55	18 3	5 19	
W17	1 33	12 4	4 56	5 50	2 9	14 59	1 1	25 16	3 2	18 35	0 21	22 43	0 36	22 3	0 5	22 7	1 3	14 25	8 44	23 4	23 5	23 54	18 2	5 20	
T 18	1 9	7 14	4 59	6 14	1 54	15 25	1 5	25 13	3 0	18 33	0 21	22 44	0 36	22 3	0 5	22 7	1 3	14 25	8 44	23 3	23 5	23 54	18 2	5 20	
F 19	0 45	2 1	4 48	6 34	1 39	15 51	1 9	25 9	2 58	18 30	0 21	22 44	0 36	22 3	0 5	22 6	1 3	14 25	8 43	23 2	23 5	23 53	18 1	5 21	
S 20	0 22	3n22	4 22	6 53	1 25	16 16	1 13	25 5	2 57	18 27	0 22	22 44	0 36	22 3	0 5	22 6	1 3	14 26	8 43	23 1	23 5	23 53	18 0	5 22	
S 21	0n 2	8 43	3 42	7 9	1 10	16 42	1 17	25 2	2 55	18 24	0 22	22 44	0 35	22 3	0 5	22 6	1 3	14 26	8 43	23 1	23 4	23 52	18 0	5 22	
M22	0 26	13 44	2 49	7 23	0 55	17 6	1 21	24 58	2 54	18 21	0 22	22 44	0 35	22 3	0 5	22 6	1 3	14 26	8 43	23 0	23 4	23 52	17 59	5 23	
T 23	0 50	18 10	1 46	7 34	0 41	17 31	1 25	24 54	2 52	18 18	0 22	22 44	0 35	22 3	0 5	22 6	1 3	14 26	8 43	23 0	23 4	23 51	17 58	5 24	
W24	1 13	21 41	0 36	7 43	0 27	17 55	1 29	24 50	2 50	18 16	0 22	22 44	0 35	22 3	0 5	22 6	1 3	14 27	8 42	23 0	23 4	23 50	17 58	5 24	
T 25	1 37	23 59	0n37	7 49	0 13	18 18	1 33	24 46	2 49	18 13	0 22	22 44	0 35	22 3	0 5	22 6	1 3	14 27	8 42	23 0	23 3	23 50	17 57	5 25	
F 26	2 0	24 50	1 49	7 53	0s 0	18 42	1 37	24 42	2 47	18 10	0 22	22 44	0 35	22 3	0 5	22 6	1 3	14 27	8 42	23 0	23 3	23 49	17 56	5 26	
S 27	2 24	24 4	2 55	7 55	0 13	19 4	1 41	24 37	2 46	18 7	0 23	22 44	0 34	22 3	0 5	22 6	1 3	14 27	8 42	22 59	23 3	23 49	17 56	5 26	
S 28	2 48	21 44	3 51	7 54	0 25	19 27	1 45	24 33	2 44	18 5	0 23	22 44	0 34	22 3	0 5	22 6	1 3	14 28	8 41	22 59	23 3	23 48	17 55	5 27	
M29	3 11	18 1	4 32	7 52	0 37	19 48	1 49	24 29	2 43	18 2	0 23	22 45	0 34	22 3	0 5	22 6	1 3	14 28	8 41	22 59	23 2	23 47	17 54	5 28	
T 30	3 34	13 13	4 56	7 47	0 48	20 10	1 53	24 24	2 41	17 59	0 23	22 45	0 34	22 3	0 5	22 6	1 3	14 28	8 41	22 58	23 2	23 47	17 54	5 28	
W31	3n58	7n42	5n 2	7s41	0s59	20n31	1n57	24n19	2n40	17s57	0s23	22n45	0s34	22s 3	0n 5	22s 6	1n 3	14n28	8s41	22n57	23n 2	23s46	17s53	5n29	

Julian Day Number = 2506755.5, Delta T = 122.46 sec
Ecliptic obliquity = 23°25'13, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°51'09, Lahiri = 25°58'09

ASTRODIENST EPHEMERIS for the year 2151

geocentric

APRIL 2151

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 36 23	10°59'55	6♂27	13♂31	24♂34	21♂56	10♂44	5♂31	11°R21	8♂30	21♂17	18°R40	19♂48	27♂19	26♂18	T 1
F 2	12 40 19	11°59'11	20°25	14°21	25°41	22°16	10°54	5°34	11°R21	8°30	21°17	18°R30	19°45	27°25	26°19	F 2
S 3	12 44 16	12°58'26	4♂ 3	15°15	26°47	22°37	11° 4	5°36	11°20	8°31	21°18	18°21	19°42	27°32	26°19	S 3
S 4	12 48 13	13°57'39	17°18	16°11	27°54	22°59	11°14	5°39	11°19	8°31	21°18	18°15	19°38	27°39	26°20	S 4
M 5	12 52 9	14°56'50	0♂11	17°10	29° 0	23°20	11°24	5°43	11°18	8°31	21°19	18°11	19°35	27°45	26°20	M 5
T 6	12 56 6	15°55'59	12°42	18°12	0♂ 6	23°42	11°34	5°46	11°17	8°31	21°20	18°D 9	19°32	27°52	26°R20	T 6
W 7	13 0 2	16°55'06	24°55	19°17	1°11	24° 4	11°43	5°49	11°16	8°31	21°20	18° 9	19°29	27°59	26°20	W 7
T 8	13 3 59	17°54'12	6♂55	20°24	2°16	24°27	11°53	5°52	11°15	8°31	21°21	18°10	19°26	28° 5	26°20	T 8
F 9	13 7 55	18°53'16	18°47	21°33	3°22	24°50	12° 2	5°56	11°14	8°31	21°22	18°R10	19°23	28°12	26°19	F 9
S 10	13 11 52	19°52'18	0♂37	22°45	4°26	25°13	12°11	5°59	11°12	8°R32	21°23	18°10	19°19	28°19	26°19	S 10
S 11	13 15 48	20°51'18	12°29	23°59	5°31	25°36	12°20	6° 3	11°11	8°32	21°23	18° 7	19°16	28°25	26°19	S 11
M12	13 19 45	21°50'17	24°28	25°14	6°35	26° 0	12°29	6° 7	11°10	8°31	21°24	18° 2	19°13	28°32	26°18	M12
T 13	13 23 42	22°49'13	6♂39	26°32	7°39	26°24	12°38	6°11	11° 8	8°31	21°25	17°55	19°10	28°39	26°17	T 13
W14	13 27 38	23°48'08	19° 5	27°52	8°43	26°48	12°47	6°15	11° 7	8°31	21°26	17°47	19° 7	28°45	26°17	W14
T 15	13 31 35	24°47'01	1°Y47	29°14	9°47	27°12	12°55	6°19	11° 6	8°31	21°27	17°37	19° 3	28°52	26°16	T 15
F 16	13 35 31	25°45'52	14°46	0°Y38	10°50	27°37	13° 4	6°23	11° 4	8°31	21°27	17°28	19° 0	28°59	26°15	F 16
S 17	13 39 28	26°44'41	28° 2	2° 3	11°53	28° 2	13°12	6°27	11° 3	8°31	21°28	17°19	18°57	29° 5	26°14	S 17
S 18	13 43 24	27°43'28	11♂33	3°31	12°56	28°27	13°20	6°31	11° 1	8°31	21°29	17°13	18°54	29°12	26°13	S 18
M19	13 47 21	28°42'13	25°16	5° 0	13°58	28°52	13°28	6°36	11° 0	8°30	21°30	17° 8	18°51	29°19	26°12	M19
T 20	13 51 17	29°40'57	9♂ 8	6°30	15° 0	29°18	13°36	6°40	10°58	8°30	21°31	17° 6	18°48	29°25	26°11	T 20
W21	13 55 14	0♂39'38	23° 8	8° 3	16° 2	29°44	13°44	6°45	10°56	8°30	21°32	17°D 6	18°44	29°32	26° 9	W21
T 22	13 59 11	1°38'16	7♂12	9°37	17° 3	0♂10	13°51	6°49	10°55	8°29	21°33	17° 7	18°41	29°39	26° 8	T 22
F 23	14 3 7	2°36'53	21°20	11°13	18° 4	0°36	13°59	6°54	10°53	8°29	21°34	17° 8	18°38	29°46	26° 6	F 23
S 24	14 7 4	3°35'27	5♂29	12°50	19° 4	1° 3	14° 6	6°59	10°51	8°28	21°35	17°R 9	18°35	29°52	26° 5	S 24
S 25	14 11 0	4°34'00	19°39	14°30	20° 4	1°30	14°13	7° 4	10°49	8°28	21°36	17° 8	18°32	29°59	26° 3	S 25
M26	14 14 57	5°32'29	3♂47	16°11	21° 4	1°56	14°20	7° 9	10°47	8°28	21°37	17° 5	18°28	0♂ 6	26° 1	M26
T 27	14 18 53	6°30'57	17°52	17°53	22° 4	2°24	14°27	7°14	10°45	8°27	21°38	17° 0	18°25	0°12	25°59	T 27
W28	14 22 50	7°29'23	1♂49	19°38	23° 3	2°51	14°34	7°19	10°44	8°26	21°39	16°55	18°22	0°19	25°57	W28
T 29	14 26 46	8°27'46	15°35	21°24	24° 1	3°18	14°41	7°24	10°42	8°26	21°40	16°48	18°19	0°26	25°55	T 29
F 30	14 30 43	9♂26'08	29♂ 8	23°Y11	24♂59	3♂46	14♂47	7♂29	10♂40	8♂25	21♂41	16♂42	18♂16	0♂32	25♂53	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	4n21	1n51	4n48	7s32	1s 9	20n51	2n 1	24n15	2n39	17s54	0s23	22n45	0s34	22s 3	0n 5	22s 6	1n 3	14n29	8s40	22n56	23n 2	23s45	17s52	5n30	
F 2	4 44	4s 0	4 17	7 22	1 18	21 11	2 5	24 10	2 37	17 52	0 24	22 45	0 34	22 2	0 5	22 6	1 3	14 29	8 40	22 55	23 1	23 45	17 52	5 31	
S 3	5 7	9 32	3 32	7 9	1 27	21 30	2 9	24 5	2 36	17 49	0 24	22 45	0 33	22 2	0 5	22 6	1 3	14 29	8 40	22 55	23 1	23 44	17 51	5 31	
S 4	5 30	14 29	2 37	6 55	1 36	21 49	2 12	24 0	2 34	17 46	0 24	22 45	0 33	22 2	0 5	22 6	1 3	14 29	8 40	22 54	23 1	23 44	17 50	5 32	
M 5	5 53	18 38	1 34	6 39	1 44	22 8	2 16	23 55	2 33	17 44	0 24	22 45	0 33	22 2	0 5	22 6	1 3	14 30	8 40	22 54	23 1	23 43	17 50	5 33	
T 6	6 16	21 49	0 29	6 22	1 51	22 26	2 20	23 50	2 31	17 41	0 24	22 45	0 33	22 2	0 5	22 5	1 3	14 30	8 39	22 54	23 0	23 42	17 49	5 33	
W 7	6 39	23 55	0s36	6 3	1 58	22 43	2 23	23 44	2 30	17 39	0 24	22 45	0 33	22 2	0 5	22 5	1 3	14 30	8 39	22 54	23 0	23 42	17 48	5 34	
T 8	7 1	24 53	1 39	5 42	2 4	23 0	2 27	23 39	2 29	17 36	0 24	22 45	0 33	22 2	0 5	22 5	1 3	14 30	8 39	22 54	23 0	23 41	17 48	5 35	
F 9	7 24	24 41	2 36	5 20	2 10	23 16	2 30	23 34	2 27	17 34	0 25	22 45	0 32	22 1	0 5	22 5	1 4	14 31	8 39	22 54	23 0	23 40	17 47	5 35	
S 10	7 46	23 22	3 27	4 57	2 15	23 32	2 34	23 28	2 26	17 32	0 25	22 45	0 32	22 1	0 5	22 5	1 4	14 31	8 39	22 54	22 59	23 39	17 46	5 36	
S 11	8 8	21 1	4 9	4 32	2 20	23 47	2 37	23 22	2 25	17 29	0 25	22 45	0 32	22 1	0 5	22 5	1 4	14 31	8 38	22 53	22 59	23 39	17 46	5 37	
M12	8 30	17 45	4 40	4 5	2 24	24 2	2 41	23 17	2 23	17 27	0 25	22 45	0 32	22 1	0 5	22 5	1 4	14 31	8 38	22 53	22 59	23 38	17 45	5 37	
T 13	8 52	13 42	5 0	3 38	2 27	24 16	2 44	23 11	2 22	17 24	0 25	22 45	0 32	22 1	0 5	22 5	1 4	14 32	8 38	22 52	22 59	23 37	17 44	5 38	
W14	9 14	9 0	5 6	3 9	2 30	24 29	2 47	23 5	2 21	17 22	0 26	22 45	0 32	22 1	0 5	22 5	1 4	14 32	8 38	22 52	22 58	23 37	17 44	5 39	
T 15	9 35	3 49	4 56	2 38	2 33	24 42	2 50	22 59	2 19	17 20	0 26	22 45	0 32	22 0	0 5	22 5	1 4	14 32	8 37	22 51	22 58	23 36	17 43	5 39	
F 16	9 57	1n38	4 32	2 7	2 35	24 55	2 53	22 53	2 18	17 18	0 26	22 45	0 31	22 0	0 5	22 5	1 4	14 32	8 37	22 50	22 58	23 35	17 42	5 40	
S 17	10 18	7 9	3 53	1 34	2 36	25 6	2 56	22 46	2 17	17 16	0 26	22 45	0 31	22 0	0 5	22 5	1 4	14 33	8 37	22 49	22 58	23 34	17 41	5 41	
S 18	10 39	12 26	2 59	1 1	2 37	25 18	2 59	22 40	2 16	17 13	0 26	22 44	0 31	22 0	0 5	22 5	1 4	14 33	8 37	22 48	22 57	23 34	17 41	5 41	
M19	11 0	17 12	1 55	0 26	2 37	25 28	3 2	22 34	2 14	17 11	0 26	22 44	0 31	22 0	0 5	22 5	1 4	14 33	8 37	22 48	22 57	23 33	17 40	5 42	
T 20	11 21	21 6	0 43	0n10	2 37	25 38	3 5	22 27	2 13	17 9	0 27	22 44	0 31	21 59	0 5	22 5	1 4	14 33	8 37	22 48	22 57	23 32	17 39	5 43	
W21	11 42	23 47	0n33	0 47	2 37	25 48	3 7	22 20	2 12	17 7	0 27	22 44	0 31	21 59	0 5	22 5	1 4	14 34	8 36	22 48	22 57	23 31	17 39	5 43	
T 22	12 2	25 0	1 47	1 25	2 35	25 56	3 10	22 14	2 11	17 5	0 27	22 44	0 31	21 59	0 5	22 5	1 4	14 34	8 36	22 48	22 56	23 31	17 38	5 44	
F 23	12 22	24 36	2 54	2 4	2 34	26 5	3 12	22 7	2 10	17 3	0 27	22 44	0 30	21 59	0 5	22 5	1 4	14 34	8 36	22 48	22 56	23 30	17 37	5 45	
S 24	12 42	22 37	3 52	2 44	2 32	26 12	3 15	22 0	2 8	17 1	0 27	22 44	0 30	21 58	0 5	22 5	1 4	14 34	8 36	22 48	22 56	23 29	17 37	5 45	
S 25	13 2	19 15	4 35	3 25	2 29	26 19	3 17	21 53	2 7	16 59	0 28	22 44	0 30	21 58	0 5	22 5	1 4	14 35	8 36	22 48	22 56	23 28	17 36	5 46	
M26	13 22	14 47	5 1	4 7	2 25	26 26	3 19	21 45	2 6	16 57	0 28	22 44	0 30	21 58	0 5	22 5	1 4	14 35	8 35	22 48	22 55	23 27	17 35	5 46	
T 27	13 41	9 32	5 10	4 50	2 22	26 32	3 21	21 38	2 5	16 56	0 28	22 44	0 30	21 58	0 5	22 5	1 4	14 35	8 35	22 47	22 55	23 27	17 35	5 47	
W28	14 0	3 51	4 59	5 33	2 17	26 37	3 23	21 31	2 4	16 54	0 28	22 43	0 30	21 57	0 5	22 5	1 4	14 35	8 35	22 47	22 55	23 26	17 34	5 48	
T 29	14 19	1s57	4 32	6 17	2 13	26 42	3 25	21 23	2 3	16 52	0 28	22 43	0 30	21 57	0 5	22 5	1 4	14 36	8 35	22 46	22 54	23 25	17 33	5 48	
F 30	14n37	7s35	3n49	7n 2	2s 7	26n46	3n27	21n16	2n 1	16s50	0s28	22n43	0s29	21s57	0n 5	22s 5	1n 4	14n36	8s35	22n45	22n54	23s24	17s33	5n49	

ASTRODIENST EPHEMERIS for the year 2151

geocentric

MAY 2151

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 34 40	10♌24'27	12♍26	25♊ 1	25♊57	4♈14	14♏53	7♎35	10♌R38	8♌R25	21♐42	16♌R37	18♐13	0♏39	25♌R51	S 1
S 2	14 38 36	11°22'45	25°26	26°52	26°54	4°42	14°59	7°40	10♌R36	8♌R24	21°43	16♐34	18° 9	0°46	25♌R48	S 2
M 3	14 42 33	12°21'02	8♌8	28°45	27°50	5°10	15° 5	7°46	10°34	8°23	21°44	16°32	18° 6	0°52	25°46	M 3
T 4	14 46 29	13°19'16	20°34	0♌40	28°46	5°38	15°11	7°51	10°31	8°23	21°45	16°D32	18° 3	0°59	25°44	T 4
W 5	14 50 26	14°17'29	2♌35	2°36	29°42	6° 7	15°17	7°57	10°29	8°22	21°47	16°33	18° 0	1° 6	25°41	W 5
T 6	14 54 22	15°15'41	14°45	4°34	0♌37	6°36	15°22	8° 2	10°27	8°21	21°48	16°34	17°57	1°12	25°39	T 6
F 7	14 58 19	16°13'51	26°38	6°34	1°31	7° 4	15°28	8° 8	10°25	8°20	21°49	16°36	17°54	1°19	25°36	F 7
S 8	15 2 15	17°11'59	8♏29	8°35	2°25	7°33	15°33	8°14	10°23	8°19	21°50	16°37	17°50	1°26	25°33	S 8
S 9	15 6 12	18°10'06	20°22	10°38	3°18	8° 3	15°38	8°20	10°21	8°18	21°51	16°R38	17°47	1°32	25°30	S 9
M10	15 10 9	19° 8'12	2♌23	12°43	4°11	8°32	15°43	8°26	10°18	8°18	21°52	16°37	17°44	1°39	25°27	M10
T 11	15 14 5	20° 6'16	14°36	14°49	5° 3	9° 1	15°47	8°32	10°16	8°17	21°54	16°35	17°41	1°46	25°24	T 11
W12	15 18 2	21° 4'19	27° 4	16°56	5°54	9°31	15°52	8°38	10°14	8°16	21°55	16°32	17°38	1°52	25°21	W12
T 13	15 21 58	22° 2'20	9♊52	19° 4	6°45	10° 1	15°56	8°44	10°11	8°15	21°56	16°28	17°34	1°59	25°18	T 13
F 14	15 25 55	23° 0'20	23° 0	21°14	7°35	10°31	16° 0	8°50	10° 9	8°14	21°57	16°25	17°31	2° 6	25°15	F 14
S 15	15 29 51	23°58'19	6♌30	23°24	8°24	11° 1	16° 4	8°56	10° 7	8°13	21°59	16°21	17°28	2°13	25°12	S 15
S 16	15 33 48	24°56'16	20°19	25°34	9°12	11°31	16° 8	9° 3	10° 4	8°12	22° 0	16°19	17°25	2°19	25° 9	S 16
M17	15 37 44	25°54'12	4♐26	27°45	10° 0	12° 1	16°11	9° 9	10° 2	8°11	22° 1	16°18	17°22	2°26	25° 5	M17
T 18	15 41 41	26°52'06	18°44	29°56	10°47	12°32	16°15	9°16	10° 0	8°10	22° 2	16°D17	17°19	2°33	25° 2	T 18
W19	15 45 38	27°49'59	3♌10	2♐7	11°33	13° 2	16°18	9°22	9°57	8° 8	22° 4	16°18	17°15	2°39	24°59	W19
T 20	15 49 34	28°47'50	17°39	4°18	12°18	13°33	16°21	9°29	9°55	8° 7	22° 5	16°19	17°12	2°46	24°55	T 20
F 21	15 53 31	29°45'40	2♌6	6°27	13° 2	14° 4	16°24	9°35	9°52	8° 6	22° 6	16°20	17° 9	2°53	24°52	F 21
S 22	15 57 27	0♐43'27	16°26	8°36	13°45	14°35	16°27	9°42	9°50	8° 5	22° 8	16°21	17° 6	2°59	24°48	S 22
S 23	16 1 24	1°41'13	0♐38	10°43	14°27	15° 6	16°29	9°49	9°48	8° 4	22° 9	16°R21	17° 3	3° 6	24°44	S 23
M24	16 5 20	2°38'57	14°39	12°49	15° 8	15°37	16°32	9°55	9°45	8° 3	22°10	16°21	17° 0	3°13	24°41	M24
T 25	16 9 17	3°36'40	28°27	14°52	15°48	16° 8	16°34	10° 2	9°43	8° 1	22°12	16°20	16°56	3°19	24°37	T 25
W26	16 13 13	4°34'21	12♌2	16°54	16°27	16°40	16°36	10° 9	9°40	8° 0	22°13	16°19	16°53	3°26	24°33	W26
T 27	16 17 10	5°32'00	25°24	18°54	17° 4	17°11	16°37	10°16	9°38	7°59	22°14	16°17	16°50	3°33	24°29	T 27
F 28	16 21 7	6°29'38	8♐32	20°51	17°41	17°43	16°39	10°23	9°35	7°57	22°16	16°16	16°47	3°39	24°26	F 28
S 29	16 25 3	7°27'15	21°25	22°46	18°16	18°15	16°40	10°30	9°33	7°56	22°17	16°15	16°44	3°46	24°22	S 29
S 30	16 29 0	8°24'50	4♌5	24°38	18°50	18°46	16°42	10°37	9°30	7°55	22°18	16°15	16°40	3°53	24°18	S 30
M31	16 32 56	9♐22'24	16♌33	26♐28	19°22	19°18	16♏43	10°34	9♌28	7°53	22°20	16°D14	16♐37	3♏59	24♌14	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	decl	lat
S 1	14n56	12s47	2n55	7n47	2s 1	26n50	3n28	21n 8	2n 0	16s49	0s29	22n43	0s29	21s57	0n 5	22s 5	1n 4	14n36	8s35	22n45	22n54	23s23	17s32	5n49			
S 2	15 14	17 17	1 53	8 33	1 55	26 53	3 30	21 0	1 59	16 47	0 29	22 43	0 29	21 56	0 5	22 5	1 4	14 36	8 34	22 45	22 54	23 23	17 31	5 50			
M 3	15 32	20 54	0 46	9 20	1 48	26 55	3 31	20 52	1 58	16 46	0 29	22 43	0 29	21 56	0 5	22 5	1 4	14 37	8 34	22 44	22 53	23 22	17 31	5 51			
T 4	15 50	23 27	0s22	10 7	1 41	26 57	3 32	20 44	1 57	16 44	0 29	22 42	0 29	21 56	0 5	22 5	1 4	14 37	8 34	22 44	22 53	23 21	17 30	5 51			
W 5	16 7	24 51	1 28	10 54	1 33	26 58	3 33	20 36	1 56	16 43	0 29	22 42	0 29	21 55	0 5	22 5	1 4	14 37	8 34	22 44	22 53	23 20	17 29	5 52			
T 6	16 24	25 4	2 28	11 42	1 25	26 59	3 34	20 28	1 55	16 41	0 30	22 42	0 29	21 55	0 5	22 5	1 4	14 37	8 34	22 45	22 52	23 19	17 29	5 52			
F 7	16 41	24 7	3 22	12 29	1 17	27 0	3 35	20 19	1 54	16 40	0 30	22 42	0 29	21 55	0 5	22 5	1 4	14 37	8 34	22 45	22 52	23 18	17 28	5 53			
S 8	16 57	22 6	4 7	13 17	1 8	26 59	3 35	20 11	1 53	16 38	0 30	22 42	0 28	21 55	0 5	22 5	1 4	14 38	8 33	22 45	22 52	23 17	17 28	5 53			
S 9	17 14	19 8	4 42	14 5	0 59	26 58	3 36	20 2	1 52	16 37	0 30	22 41	0 28	21 54	0 5	22 5	1 4	14 38	8 33	22 45	22 52	23 16	17 27	5 54			
M10	17 30	15 21	5 4	14 52	0 49	26 57	3 36	19 54	1 50	16 36	0 30	22 41	0 28	21 54	0 5	22 6	1 4	14 38	8 33	22 45	22 51	23 16	17 26	5 54			
T 11	17 45	10 53	5 14	15 39	0 39	26 55	3 36	19 45	1 49	16 35	0 31	22 41	0 28	21 54	0 5	22 6	1 4	14 38	8 33	22 45	22 51	23 15	17 26	5 55			
W12	18 1	5 53	5 8	16 25	0 29	26 53	3 36	19 36	1 48	16 34	0 31	22 40	0 28	21 53	0 5	22 6	1 4	14 38	8 33	22 44	22 51	23 14	17 25	5 55			
T 13	18 16	0 31	4 48	17 11	0 19	26 50	3 36	19 27	1 47	16 33	0 31	22 40	0 28	21 53	0 5	22 6	1 4	14 39	8 33	22 44	22 50	23 13	17 25	5 56			
F 14	18 31	5n 2	4 12	17 55	0 8	26 47	3 35	19 18	1 46	16 32	0 31	22 40	0 28	21 53	0 5	22 6	1 4	14 39	8 33	22 44	22 50	23 12	17 24	5 56			
S 15	18 45	10 30	3 22	18 39	0n 2	26 43	3 35	19 8	1 45	16 31	0 32	22 40	0 28	21 52	0 5	22 6	1 4	14 39	8 32	22 43	22 50	23 11	17 23	5 57			
S 16	18 59	15 36	2 18	19 21	0 13	26 39	3 34	18 59	1 44	16 30	0 32	22 39	0 27	21 52	0 5	22 6	1 4	14 39	8 32	22 43	22 50	23 10	17 23	5 57			
M17	19 13	19 57	1 5	20 2	0 24	26 35	3 33	18 50	1 43	16 29	0 32	22 39	0 27	21 52	0 5	22 6	1 4	14 39	8 32	22 43	22 49	23 9	17 22	5 58			
T 18	19 27	23 10	0n14	20 40	0 34	26 30	3 32	18 40	1 42	16 28	0 32	22 39	0 27	21 51	0 5	22 6	1 4	14 40	8 32	22 43	22 49	23 8	17 22	5 58			
W19	19 40	24 55	1 32	21 17	0 44	26 24	3 30	18 30	1 41	16 27	0 32	22 38	0 27	21 51	0 5	22 6	1 4	14 40	8 32	22 43	22 49	23 7	17 21	5 59			
T 20	19 53	24 59	2 45	21 52	0 54	26 19	3 28	18 21	1 40	16 26	0 33	22 38	0 27	21 51	0 5	22 6	1 4	14 40	8 32	22 43	22 48	23 6	17 20	5 59			
F 21	20 5	23 21	3 47	22 25	1 3	26 12	3 26	18 11	1 39	16 26	0 33	22 38	0 27	21 50	0 5	22 6	1 4	14 40	8 32	22 43	22 48	23 5	17 20	6 0			
S 22	20 17	20 15	4 34	22 55	1 12	26 6	3 24	18 1	1 38	16 25	0 33	22 37	0 27	21 50	0 5	22 6	1 4	14 40	8 32	22 43	22 48	23 4	17 19	6 0			
S 23	20 29	15 59	5 4	23 22	1 21	25 59	3 22	17 51	1 37	16 25	0 33	22 37	0 27	21 50	0 5	22 6	1 4	14 41	8 31	22 43	22 47	23 3	17 19	6 0			
M24	20 40	10 54	5 16	23 47	1 29	25 52	3 19	17 41	1 36	16 24	0 33	22 37	0 26	21 49	0 5	22 6	1 4	14 41	8 31	22 43	22 47	23 2	17 18	6 1			
T 25	20 51	5 21	5 9	24 9	1 36	25 44	3 16	17 30	1 35	16 24	0 34	22 36	0 26	21 49	0 5	22 6	1 4	14 41	8 31	22 43	22 47	23 1	17 18	6 1			
W26	21 2	0s23	4 45	24 29	1 43	25 36	3 13	17 20	1 35	16 23	0 34	22 36	0 26	21 48	0 5	22 6	1 5	14 41	8 31	22 43	22 46	23 0	17 17	6 2			
T 27	21 13	6 0	4 6	24 46	1 49	25 28	3 10	17 9	1 34	16 23	0 34	22 35	0 26	21 48	0 5	22 6	1 5	14 41	8 31	22 43	22 46	22 59	17 17	6 2			
F 28	21 23	11 16	3 14	25 0	1 54	25 20	3 6	16 59	1 33	16 23	0 34	22 35	0 26	21 48	0 5	22 6	1 5	14 41	8 31	22 43	22 46	22 58	17 16	6 2			
S 29	21 32	15 57	2 13	25 12	1 59	25 11	3 2	16 48	1 32	16 23	0 35	22 34	0 26	21 47	0 5	22 7	1 5	14 42	8 31	22 43	22 46	22 57	17 16	6 3			
S 30	21 41	19 51	1 7	25 21	2 3	25 2	2 58	16 37	1 31	16 22	0 35	22 34	0 26	21 47	0 5	22 7	1 5	14 42	8 31	22 43	22 45	22 56	17 15	6 3			
M31	21n50	22s46	0s 2	25n28	2n 6	24n53	2n53	16n27	1n30	16s22	0s35	22n34	0s26	21s47	0n 4	22s 7	1n 5	14n42	8s31	22n43	22n45	22s55	17s15	6n 3			

ASTRODIENST EPHEMERIS for the year 2151

geocentric

JUNE 2151

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 36 53	10II19'58	28♂48	28II15	19♂53	19♂50	16♂43	10♂51	9°R25	7°R52	22II21	16II15	16II34	4♂6	24°R10	T 1
W 2	16 40 49	11°17'30	10♂53	29°59	20°23	20°23	16°44	10°58	9♂23	7♂51	22°22	16°15	16°31	4°13	24♂6	W 2
T 3	16 44 46	12°15'01	22°50	19♂40	20°51	20°55	16°44	11°5	9°20	7°49	22°24	16°15	16°28	4°20	24°2	T 3
F 4	16 48 42	13°12'31	4♂43	3°18	21°17	21°27	16°45	11°12	9°18	7°48	22°25	16°16	16°25	4°26	23°58	F 4
S 5	16 52 39	14°10'00	16°33	4°54	21°42	22°0	16°R45	11°19	9°15	7°46	22°27	16°16	16°21	4°33	23°54	S 5
S 6	16 56 36	15°7'29	28°27	6°26	22°5	22°32	16°45	11°27	9°13	7°45	22°28	16°16	16°18	4°40	23°50	S 6
M 7	17 0 32	16°4'57	10♂27	7°56	22°26	23°5	16°44	11°34	9°10	7°43	22°29	16°16	16°15	4°46	23°45	M 7
T 8	17 4 29	17°2'24	22°39	9°22	22°46	23°38	16°44	11°41	9°8	7°42	22°31	16°16	16°12	4°53	23°41	T 8
W 9	17 8 25	17°59'50	5°Y 6	10°46	23°3	24°11	16°43	11°49	9°5	7°40	22°32	16°16	16°9	5°0	23°37	W 9
T 10	17 12 22	18°57'16	17°52	12°7	23°19	24°44	16°42	11°56	9°3	7°39	22°34	16°16	16°6	5°6	23°33	T 10
F 11	17 16 18	19°54'41	1♂2	13°24	23°33	25°17	16°41	12°3	9°1	7°37	22°35	16°17	16°2	5°13	23°29	F 11
S 12	17 20 15	20°52'05	14°36	14°38	23°45	25°50	16°40	12°11	8°58	7°36	22°36	16°17	15°59	5°20	23°25	S 12
S 13	17 24 11	21°49'29	28°35	15°49	23°54	26°23	16°38	12°18	8°56	7°34	22°38	16°18	15°56	5°26	23°21	S 13
M14	17 28 8	22°46'53	12II56	16°57	24°2	26°56	16°37	12°26	8°53	7°33	22°39	16°R18	15°53	5°33	23°16	M14
T 15	17 32 5	23°44'16	27°35	18°2	24°7	27°30	16°35	12°33	8°51	7°31	22°41	16°18	15°50	5°40	23°12	T 15
W16	17 36 1	24°41'38	12♂25	19°3	24°10	28°3	16°33	12°41	8°49	7°30	22°42	16°17	15°46	5°47	23°8	W16
T 17	17 39 58	25°38'59	27°19	20°0	24°R11	28°37	16°31	12°49	8°46	7°28	22°43	16°16	15°43	5°53	23°4	T 17
F 18	17 43 54	26°36'19	12♂9	20°55	24°9	29°10	16°28	12°56	8°44	7°27	22°45	16°15	15°40	6°0	23°0	F 18
S 19	17 47 51	27°33'38	26°48	21°45	24°5	29°44	16°26	13°4	8°42	7°25	22°46	16°14	15°37	6°7	22°56	S 19
S 20	17 51 47	28°30'57	11♂11	22°32	23°59	0♂18	16°23	13°11	8°39	7°23	22°48	16°13	15°34	6°13	22°52	S 20
M21	17 55 44	29°28'15	25°15	23°15	23°50	0°52	16°20	13°19	8°37	7°22	22°49	16°D13	15°31	6°20	22°47	M21
T 22	17 59 41	0♂25'31	8♂59	23°53	23°39	1°26	16°17	13°27	8°35	7°20	22°50	16°13	15°27	6°27	22°43	T 22
W23	18 3 37	1°22'47	22°22	24°28	23°25	2°0	16°13	13°34	8°32	7°19	22°52	16°13	15°24	6°33	22°39	W23
T 24	18 7 34	2°20'02	5♂27	24°59	23°9	2°34	16°10	13°42	8°30	7°17	22°53	16°15	15°21	6°40	22°35	T 24
F 25	18 11 30	3°17'17	18°15	25°25	22°51	3°9	16°6	13°50	8°28	7°15	22°54	16°16	15°18	6°47	22°31	F 25
S 26	18 15 27	4°14'31	0♂50	25°47	22°30	3°43	16°2	13°58	8°26	7°14	22°56	16°17	15°15	6°53	22°27	S 26
S 27	18 19 23	5°11'44	13°12	26°5	22°7	4°17	15°58	14°5	8°24	7°12	22°57	16°R18	15°12	7°0	22°23	S 27
M28	18 23 20	6°8'57	25°24	26°18	21°42	4°52	15°54	14°13	8°22	7°11	22°59	16°17	15°8	7°7	22°19	M28
T 29	18 27 16	7°6'10	7♂28	26°26	21°15	5°26	15°50	14°21	8°20	7°9	23°0	16°16	15°5	7°14	22°15	T 29
W30	18 31 13	8♂3'23	19♂26	26°R30	20♂46	6♂1	15♂45	14♂29	8♂18	7♂7	23II1	16II14	15II2	7♂20	22♂11	W30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	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	21n59	24s34	1s 9	25n33	2n 8	24n44	2n48	16n16	1n29	16s22	0s35	22n33	0s26	21s46	0n 4	T 1
W 2	22 7	25 11	2 12	25 35	2 10	24 34	2 43	16 4	1 28	16 22	0 35	22 33	0 25	21 46	0 4	W 2
T 3	22 15	24 36	3 9	25 35	2 10	24 24	2 38	15 53	1 27	16 22	0 36	22 32	0 25	21 46	0 4	T 3
F 4	22 22	22 55	3 58	25 33	2 10	24 14	2 32	15 42	1 26	16 23	0 36	22 32	0 25	21 45	0 4	F 4
S 5	22 29	20 14	4 36	25 29	2 9	24 4	2 26	15 31	1 25	16 23	0 36	22 31	0 25	21 45	0 4	S 5
S 6	22 35	16 43	5 2	25 23	2 8	23 54	2 19	15 19	1 24	16 23	0 36	22 31	0 25	21 44	0 4	S 6
M 7	22 42	12 30	5 16	25 16	2 5	23 44	2 12	15 8	1 24	16 23	0 37	22 30	0 25	21 44	0 4	M 7
T 8	22 47	7 45	5 15	25 7	2 2	23 33	2 5	14 56	1 23	16 24	0 37	22 30	0 25	21 44	0 4	T 8
W 9	22 53	2 34	5 0	24 56	1 58	23 23	1 57	14 44	1 22	16 24	0 37	22 29	0 25	21 43	0 4	W 9
T 10	22 58	2n50	4 30	24 45	1 53	23 12	1 49	14 32	1 21	16 25	0 37	22 29	0 25	21 43	0 4	T 10
F 11	23 2	8 18	3 46	24 32	1 47	23 2	1 41	14 21	1 20	16 25	0 38	22 28	0 25	21 43	0 4	F 11
S 12	23 6	13 33	2 47	24 17	1 41	22 51	1 32	14 8	1 19	16 26	0 38	22 27	0 24	21 42	0 4	S 12
S 13	23 10	18 15	1 37	24 2	1 34	22 40	1 23	13 56	1 18	16 26	0 38	22 27	0 24	21 42	0 4	S 13
M14	23 13	22 1	0 19	23 46	1 26	22 30	1 14	13 44	1 17	16 27	0 38	22 26	0 24	21 42	0 4	M14
T 15	23 16	24 26	1n 2	23 29	1 18	22 19	1 4	13 32	1 17	16 28	0 38	22 26	0 24	21 41	0 4	T 15
W16	23 19	25 10	2 20	23 12	1 8	22 8	0 53	13 20	1 16	16 29	0 39	22 25	0 24	21 41	0 4	W16
T 17	23 21	23 5	3 28	22 54	0 59	21 57	0 43	13 7	1 15	16 30	0 39	22 24	0 24	21 41	0 4	T 17
F 18	23 23	21 20	4 22	22 35	0 48	21 47	0 31	12 55	1 14	16 31	0 39	22 24	0 24	21 40	0 4	F 18
S 19	23 24	17 14	4 59	22 16	0 37	21 36	0 20	12 42	1 13	16 32	0 39	22 23	0 24	21 40	0 4	S 19
S 20	23 25	12 13	5 15	21 57	0 25	21 26	0 8	12 29	1 12	16 33	0 40	22 22	0 24	21 39	0 4	S 20
M21	23 25	6 40	5 13	21 38	0 13	21 15	0s 4	12 16	1 12	16 34	0 40	22 22	0 24	21 39	0 4	M21
T 22	23 25	0 55	4 52	21 18	0s 1	21 5	0 17	12 3	1 11	16 35	0 40	22 21	0 23	21 39	0 4	T 22
W23	23 25	4s44	4 16	20 59	0 14	20 54	0 30	11 51	1 10	16 36	0 40	22 20	0 23	21 38	0 4	W23
T 24	23 24	10 4	3 27	20 39	0 28	20 44	0 43	11 37	1 9	16 37	0 41	22 20	0 23	21 38	0 4	T 24
F 25	23 23	14 52	2 29	20 20	0 43	20 34	0 56	11 24	1 8	16 39	0 41	22 19	0 23	21 38	0 4	F 25
S 26	23 21	18 56	1 24	20 1	0 58	20 24	1 10	11 11	1 7	16 40	0 41	22 18	0 23	21 37	0 4	S 26
S 27	23 19	22 5	0 17	19 43	1 13	20 14	1 24	10 58	1 7	16 41	0 41	22 18	0 23	21 37	0 4	S 27
M28	23 17	20 10	0s50	19 25	1 29	20 4	1 38	10 45	1 6	16 43	0 41	22 17	0 23	21 37	0 4	M28
T 29	23 14	25 6	1 54	19 8	1 45	19 54	1 52	10 31	1 5	16 44	0 42	22 16	0 23	21 36	0 4	T 29
W30	23n11	24s51	2s52	18n52	2s 1	19n44	2s 6	10n18	1n 4	16s46	0s42	22n15	0s23	21s36	0n 4	W30

Julian Day Number = 2506847.5, Delta T = 122.64 sec

Ecliptic obliquity = 23°25'12, Nutation = - 0°00'17, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 26°51'22, Lahiri = 25°58'22

ASTRODIENST EPHEMERIS for the year 2151
geocentric

JULY 2151

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 35 10	9 ⁵⁵ 0'35	1 ⁵⁵ 19	26°R30	20°R15	6 ¹⁰ 36	15°R41	14 ⁵⁵ 36	8°R16	7°R 6	23 ¹¹ 3	16°R11	14 ¹¹ 59	7 ⁵⁵ 27	22°R 7	T 1
F 2	18 39 6	9°57'47	13°10	26 ⁵⁵ 24	19 ⁵⁵ 43	7°10	15 ⁵⁵ 36	14°44	8°14	7 ⁵⁵ 4	23° 4	16 ¹¹ 7	14°56	7°34	22 ⁵⁵ 4	F 2
S 3	18 43 3	10°54'59	25° 2	26°15	19° 9	7°45	15°31	14°52	8°12	7° 2	23° 5	16° 3	14°52	7°40	22° 0	S 3
S 4	18 46 59	11°52'11	6 ¹⁰ 56	26° 0	18°35	8°20	15°26	15° 0	8°10	7° 1	23° 7	15°59	14°49	7°47	21°56	S 4
M 5	18 50 56	12°49'23	18°56	25°42	17°59	8°55	15°20	15° 8	8° 8	6°59	23° 8	15°56	14°46	7°54	21°52	M 5
T 6	18 54 52	13°46'35	1°W 7	25°20	17°22	9°30	15°15	15°15	8° 6	6°58	23° 9	15°54	14°43	8° 0	21°49	T 6
W 7	18 58 49	14°43'47	13°31	24°54	16°45	10° 5	15° 9	15°23	8° 4	6°56	23°11	15°D53	14°40	8° 7	21°45	W 7
T 8	19 2 45	15°41'00	26°14	24°25	16° 7	10°40	15° 4	15°31	8° 2	6°54	23°12	15°54	14°37	8°14	21°41	T 8
F 9	19 6 42	16°38'13	9 ¹⁰ 19	23°52	15°30	11°16	14°58	15°39	8° 0	6°53	23°13	15°55	14°33	8°20	21°38	F 9
S 10	19 10 39	17°35'26	22°49	23°18	14°53	11°51	14°52	15°47	7°59	6°51	23°15	15°57	14°30	8°27	21°34	S 10
S 11	19 14 35	18°32'40	6 ¹¹ 46	22°42	14°16	12°26	14°46	15°54	7°57	6°50	23°16	15°58	14°27	8°34	21°31	S 11
M12	19 18 32	19°29'54	21°10	22° 4	13°39	13° 2	14°40	16° 2	7°55	6°48	23°17	15°R58	14°24	8°41	21°28	M12
T 13	19 22 28	20°27'08	5 ⁵⁵ 56	21°26	13° 4	13°37	14°33	16°10	7°54	6°46	23°19	15°57	14°21	8°47	21°24	T 13
W14	19 26 25	21°24'23	21° 0	20°48	12°30	14°13	14°27	16°18	7°52	6°45	23°20	15°54	14°18	8°54	21°21	W14
T 15	19 30 21	22°21'37	6 ¹⁰ 12	20°10	11°57	14°49	14°20	16°26	7°51	6°43	23°21	15°49	14°14	9° 1	21°18	T 15
F 16	19 34 18	23°18'52	21°21	19°34	11°25	15°25	14°13	16°33	7°49	6°42	23°22	15°44	14°11	9° 7	21°15	F 16
S 17	19 38 14	24°16'07	6 ¹⁰ 19	19° 0	10°55	16° 0	14° 7	16°41	7°48	6°40	23°24	15°39	14° 8	9°14	21°12	S 17
S 18	19 42 11	25°13'22	20°58	18°28	10°27	16°36	14° 0	16°49	7°46	6°39	23°25	15°34	14° 5	9°21	21° 9	S 18
M19	19 46 8	26°10'37	5 ⁵⁵ 11	18° 0	10° 1	17°12	13°53	16°57	7°45	6°37	23°26	15°31	14° 2	9°27	21° 6	M19
T 20	19 50 4	27° 7'52	18°58	17°35	9°36	17°48	13°46	17° 4	7°43	6°36	23°27	15°29	13°58	9°34	21° 3	T 20
W21	19 54 1	28° 5'07	2 ¹⁰ 19	17°14	9°14	18°24	13°38	17°12	7°42	6°34	23°28	15°D29	13°55	9°41	21° 0	W21
T 22	19 57 57	29° 2'23	15°17	16°58	8°54	19° 1	13°31	17°20	7°41	6°33	23°30	15°30	13°52	9°48	20°57	T 22
F 23	20 1 54	29°59'38	27°55	16°47	8°37	19°37	13°24	17°28	7°40	6°31	23°31	15°31	13°49	9°54	20°54	F 23
S 24	20 5 50	0 ¹⁰ 56'54	10 ⁵⁵ 17	16°41	8°21	20°13	13°16	17°35	7°39	6°30	23°32	15°R32	13°46	10° 1	20°52	S 24
S 25	20 9 47	1°54'10	22°27	16°D41	8° 9	20°49	13° 9	17°43	7°37	6°28	23°33	15°32	13°43	10° 8	20°49	S 25
M26	20 13 43	2°51'27	4 ⁵⁵ 28	16°46	7°58	21°26	13° 1	17°51	7°36	6°27	23°34	15°30	13°39	10°14	20°47	M26
T 27	20 17 40	3°48'44	16°24	16°58	7°50	22° 2	12°54	17°58	7°35	6°26	23°35	15°26	13°36	10°21	20°44	T 27
W28	20 21 37	4°46'01	28°16	17°15	7°44	22°39	12°46	18° 6	7°34	6°24	23°36	15°20	13°33	10°28	20°42	W28
T 29	20 25 33	5°43'19	10 ⁵⁵ 7	17°38	7°41	23°15	12°39	18°13	7°33	6°23	23°37	15°12	13°30	10°34	20°40	T 29
F 30	20 29 30	6°40'38	21°59	18° 6	7°D40	23°52	12°31	18°21	7°33	6°22	23°39	15° 2	13°27	10°41	20°38	F 30
S 31	20 33 26	7 ¹⁰ 37'58	3 ¹⁰ 53	18 ⁵⁵ 41	7 ⁵⁵ 41	24 ¹⁰ 29	12 ⁵⁵ 23	18 ⁵⁵ 28	7 ⁵⁵ 32	6 ⁵⁵ 20	23 ¹¹ 40	14 ¹¹ 53	13 ¹¹ 24	10 ⁵⁵ 48	20 ⁵⁵ 36	S 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	23n 7	23s28	3s43	18n36	2s17	19n35	2s21	10n 4	1n 3	16s48	0s42	22n15	0s23	21s36	0n 4	22s 9	1n 5	14n45	8s29	22n42	22n34	22s20	17s 4	6n 8							
F 2	23 3	21 3	4 23	18 21	2 33	19 25	2 35	9 50	1 3	16 49	0 42	22 14	0 23	21 36	0 4	22 9	1 5	14 45	8 30	22 42	22 34	22 19	17 4	6 8							
S 3	22 58	17 46	4 53	18 8	2 48	19 16	2 49	9 37	1 2	16 51	0 43	22 13	0 22	21 35	0 4	22 10	1 5	14 46	8 30	22 41	22 34	22 18	17 4	6 7							
S 4	22 53	13 45	5 10	17 55	3 4	19 7	3 3	9 23	1 1	16 53	0 43	22 12	0 22	21 35	0 4	22 10	1 5	14 46	8 30	22 41	22 33	22 17	17 4	6 7							
M 5	22 48	9 10	5 13	17 44	3 19	18 58	3 17	9 9	1 0	16 54	0 43	22 12	0 22	21 35	0 4	22 10	1 5	14 46	8 30	22 41	22 33	22 15	17 4	6 7							
T 6	22 42	4 11	5 2	17 34	3 33	18 49	3 30	8 55	1 0	16 56	0 43	22 11	0 22	21 34	0 4	22 10	1 4	14 46	8 30	22 40	22 33	22 14	17 3	6 7							
W 7	22 36	1n 4	4 38	17 25	3 47	18 41	3 43	8 41	0 59	16 58	0 43	22 10	0 22	21 34	0 4	22 10	1 4	14 46	8 30	22 40	22 32	22 13	17 3	6 7							
T 8	22 30	6 24	3 59	17 17	4 0	18 32	3 56	8 27	0 58	17 0	0 44	22 9	0 22	21 34	0 4	22 10	1 4	14 46	8 30	22 40	22 32	22 12	17 3	6 7							
F 9	22 23	11 38	3 7	17 11	4 12	18 24	4 9	8 13	0 57	17 2	0 44	22 8	0 22	21 34	0 4	22 10	1 4	14 46	8 30	22 41	22 32	22 10	17 3	6 7							
S 10	22 16	16 28	2 3	17 6	4 22	18 17	4 20	7 59	0 56	17 4	0 44	22 8	0 22	21 33	0 4	22 10	1 4	14 46	8 30	22 41	22 31	22 9	17 3	6 7							
S 11	22 8	20 36	0 50	17 3	4 32	18 9	4 32	7 45	0 56	17 6	0 44	22 7	0 22	21 33	0 4	22 10	1 4	14 46	8 30	22 41	22 31	22 8	17 3	6 7							
M12	22 0	23 36	0n28	17 1	4 40	18 2	4 43	7 30	0 55	17 8	0 44	22 6	0 22	21 33	0 4	22 10	1 4	14 46	8 30	22 41	22 31	22 7	17 3	6 6							
T 13	21 52	25 4	1 47	17 0	4 46	17 55	4 53	7 16	0 54	17 10	0 45	22 5	0 22	21 33	0 4	22 11	1 4	14 46	8 30	22 41	22 30	22 5	17 3	6 6							
W14	21 43	24 44	2 59	17 1	4 51	17 49	5 3	7 2	0 53	17 12	0 45	22 4	0 22	21 32	0 4	22 11	1 4	14 46	8 30	22 40	22 30	22 4	17 3	6 6							
T 15	21 34	22 35	4 0	17 3	4 54	17 43	5 12	6 47	0 53	17 14	0 45	22 3	0 21	21 32	0 4	22 11	1 4	14 46	8 30	22 40	22 29	22 3	17 3	6 6							
F 16	21 25	18 50	4 43	17 7	4 56	17 37	5 20	6 33	0 52	17 16	0 45	22 3	0 21	21 32	0 4	22 11	1 4	14 46	8 30	22 39	22 29	22 1	17 3	6 6							
S 17	21 15	13 55	5 6	17 12	4 56	17 32	5 28	6 18	0 51	17 18	0 45	22 2	0 21	21 32	0 4	22 11	1 4	14 46	8 30	22 39	22 29	22 0	17 3	6 6							
S 18	21 4	8 19	5 9	17 18	4 54	17 27	5 35	6 3	0 50	17 20	0 46	22 1	0 21	21 31	0 4	22 11	1 4	14 46	8 30	22 38	22 28	21 59	17 3	6 5							
M19	20 54	2 25	4 52	17 25	4 51	17 23	5 41	5 49	0 50	17 23	0 46	22 0	0 21	21 31	0 4	22 11	1 4	14 46	8 30	22 38	22 28	21 57	17 3	6 5							
T 20	20 43	3s26	4 19	17 32	4 46	17 19	5 47	5 34	0 49	17 25	0 46	21 59	0 21	21 31	0 4	22 11	1 4	14 46	8 30	22 38	22 28	21 56	17 3	6 5							
W21	20 32	8 56	3 33	17 41	4 39	17 15	5 52	5 19	0 48	17 27	0 46	21 58	0 21	21 31	0 4	22 11	1 4	14 46	8 30	22 38	22 27	21 55	17 3	6 5							
T 22	20 20	13 55	2 36	17 51	4 32	17 12	5 56	5 4	0 47	17 29	0 46	21 57	0 21	21 31	0 4	22 11	1 4	14 46	8 30	22 38	22 27	21 53	17 3	6 4							
F 23	20 8	18 9	1 34	18 1	4 23	17 9	6 0	4 50	0 47	17 32	0 46	21 56	0 21	21 30	0 4	22 11	1 4	14 46	8 30	22 38	22 26	21 52	17 3	6 4							
S 24	19 56	21 30	0 28	18 12	4 13	17 7	6 3	4 35	0 46	17 34	0 47	21 55	0 21	21 30	0 4	22 12	1 4	14 46	8 30	22 38	22 26	21 51	17 3	6 4							
S 25	19 43	23 50	0s37	18 23	4 2	17 5	6 6	4 20	0 45	17 36	0 47	21 54	0 21	21 30	0 4	22 12	1 4	14 46	8 30	22 38	22 26	21 49	17 3	6 4							
M26	19 30	25 1	1 40	18 34	3 50	17 4	6 8	4 5	0 45	17 39	0 47	21 54	0 21	21 30	0 4	22 12	1 4	14 46	8 31	22 38	22 25	21 48	17 3	6 3							
T 27	19 17	25 2	2 39	18 46	3 37	17 3	6 9	3 50	0 44	17 41	0 47	21 53	0 20	21 30	0 4	22 12	1 4	14 46	8 31	22 37	22 25	21 46	17 4	6 3							
W28	19 3	23 54	3 29	18 57	3 23	17 2	6 10	3 35	0 43	17 43	0 47	21 52	0 20	21 30	0 4	22 12	1 4	14 46	8 31	22 37	22 24	21 45	17 4	6 3							
T 29	18 50	21 43	4 11	19 8	3 9	17 2	6 10	3 19	0 42	17 45	0 47	21 51	0 20	21 29	0 4	22 12	1 4	14 46	8 31	22 36	22 24	21 44	17 4	6 3							
F 30	18 35	18 46	4 41	19 19	2 54	17 2	6 10	3 4	0 42	17 48	0 48	21 50	0 20	21 29	0 4	22 12	1 4	14 46	8 31	22 35	22 24	21 42	17 4	6 2							
S 31	18n21	14s44	5s 0	19n29	2s39	17n 3	6s10	2n49	0n41	17s50	0s48	21n49	0s20	21s29	0n 4	22s12	1n 4	14n46	8s31	22n34	22n23	21s41	17s 4	6n 2							

ASTRODIENST EPHEMERIS for the year 2151

geocentric

AUGUST 2151

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 37 23	8♂35'18	15♂51	19♂22	7♂44	25♂6	12♂R15	18♂36	7♂R31	6♂R19	23♂41	14♂R43	13♂20	10♂55	20♂R34	S 1
M 2	20 41 19	9°32'39	27°55	20° 9	7°50	25°42	12♂8	18°43	7♂30	6♂18	23°42	14♂35	13°17	11° 1	20♂32	M 2
T 3	20 45 16	10°30'01	10♂8	21° 2	7°58	26°19	12° 0	18°51	7°29	6°16	23°43	14°29	13°14	11° 8	20°30	T 3
W 4	20 49 12	11°27'24	22°32	22° 0	8° 8	26°56	11°52	18°58	7°29	6°15	23°44	14°25	13°11	11°15	20°28	W 4
T 5	20 53 9	12°24'49	5♂13	23° 4	8°21	27°33	11°44	19° 6	7°28	6°14	23°45	14°23	13° 8	11°21	20°26	T 5
F 6	20 57 6	13°22'14	18°13	24°14	8°35	28°10	11°37	19°13	7°28	6°13	23°46	14°D23	13° 4	11°28	20°25	F 6
S 7	21 1 2	14°19'41	1♂36	25°29	8°51	28°48	11°29	19°20	7°27	6°11	23°47	14°23	13° 1	11°35	20°23	S 7
S 8	21 4 59	15°17'09	15°24	26°49	9° 9	29°25	11°21	19°28	7°27	6°10	23°48	14°R24	12°58	11°41	20°22	S 8
M 9	21 8 55	16°14'39	29°40	28°14	9°29	0♂2	11°13	19°35	7°26	6° 9	23°49	14°23	12°55	11°48	20°21	M 9
T 10	21 12 52	17°12'09	14♂21	29°44	9°51	0°40	11° 5	19°42	7°26	6° 8	23°49	14°20	12°52	11°55	20°19	T 10
W11	21 16 48	18° 9'41	29°23	1♂18	10°15	1°17	10°58	19°50	7°26	6° 7	23°50	14°14	12°49	12° 2	20°18	W11
T 12	21 20 45	19° 7'14	14♂27	2°57	10°40	1°54	10°50	19°57	7°25	6° 6	23°51	14° 7	12°45	12° 8	20°17	T 12
F 13	21 24 42	20° 4'48	29°54	4°39	11° 7	2°32	10°42	20° 4	7°25	6° 5	23°52	13°57	12°42	12°15	20°16	F 13
S 14	21 28 38	21° 2'23	15♂3	6°25	11°35	3°10	10°35	20°11	7°25	6° 4	23°53	13°48	12°39	12°22	20°15	S 14
S 15	21 32 35	21°59'59	29°52	8°15	12° 5	3°47	10°27	20°18	7°25	6° 3	23°54	13°39	12°36	12°28	20°14	S 15
M16	21 36 31	22°57'36	14♂16	10° 7	12°36	4°25	10°20	20°25	7°D25	6° 2	23°55	13°32	12°33	12°35	20°14	M16
T 17	21 40 28	23°55'14	28°10	12° 1	13° 8	5° 3	10°12	20°32	7°25	6° 1	23°55	13°27	12°30	12°42	20°13	T 17
W18	21 44 24	24°52'52	11♂35	13°58	13°42	5°41	10° 5	20°39	7°25	6° 0	23°56	13°25	12°26	12°49	20°12	W18
T 19	21 48 21	25°50'32	24°34	15°56	14°18	6°19	9°58	20°46	7°25	5°59	23°57	13°D24	12°23	12°55	20°12	T 19
F 20	21 52 17	26°48'13	7♂9	17°55	14°54	6°57	9°51	20°53	7°25	5°58	23°58	13°R24	12°20	13° 2	20°12	F 20
S 21	21 56 14	27°45'55	19°27	19°56	15°32	7°35	9°44	21° 0	7°25	5°57	23°58	13°24	12°17	13° 9	20°11	S 21
S 22	22 0 10	28°43'38	1♂31	21°57	16°10	8°13	9°37	21° 6	7°26	5°56	23°59	13°23	12°14	13°15	20°11	S 22
M23	22 4 7	29°41'22	13°27	23°58	16°50	8°51	9°30	21°13	7°26	5°56	24° 0	13°19	12°10	13°22	20°D11	M23
T 24	22 8 4	0♂39'07	25°18	25°59	17°31	9°29	9°23	21°20	7°26	5°55	24° 0	13°13	12° 7	13°29	20°11	T 24
W25	22 12 0	1°36'54	7♂8	28° 0	18°13	10° 7	9°16	21°26	7°27	5°54	24° 1	13° 4	12° 4	13°35	20°11	W25
T 26	22 15 57	2°34'41	19° 0	0♂0	18°56	10°46	9°10	21°33	7°27	5°53	24° 2	12°53	12° 1	13°42	20°12	T 26
F 27	22 19 53	3°32'31	0♂55	2° 0	19°40	11°24	9° 3	21°39	7°28	5°53	24° 2	12°40	11°58	13°49	20°12	F 27
S 28	22 23 50	4°30'21	12°55	3°59	20°25	12° 3	8°57	21°46	7°28	5°52	24° 3	12°26	11°55	13°56	20°12	S 28
S 29	22 27 46	5°28'13	25° 1	5°57	21°11	12°41	8°51	21°52	7°29	5°51	24° 3	12°13	11°51	14° 2	20°13	S 29
M30	22 31 43	6°26'07	7♂13	7°54	21°58	13°20	8°45	21°59	7°30	5°51	24° 4	12° 1	11°48	14° 9	20°13	M30
T 31	22 35 39	7♂24'02	19♂35	9♂51	22♂45	13♂58	8♂39	22♂5	7♂30	5♂50	24♂5	11♂51	11♂45	14♂16	20♂14	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	18n 6	10s16	5s 5	19n39	2s24	17n 3	6s 9	2n34	0n40	17s52	0s48	21n48	0s20	21s29	0n 4	22s12
M 2	17 51	5 22	4 57	19 47	2 9	17 4	6 8	2 19	0 39	17 55	0 48	21 47	0 20	21 29	0 4	22 12
T 3	17 36	0 13	4 36	19 55	1 53	17 5	6 6	2 3	0 39	17 57	0 48	21 46	0 20	21 29	0 4	22 13
W 4	17 20	5n 2	4 1	20 1	1 38	17 7	6 4	1 48	0 38	17 59	0 48	21 45	0 20	21 29	0 4	22 13
T 5	17 4	10 12	3 14	20 6	1 22	17 8	6 2	1 33	0 37	18 2	0 48	21 44	0 20	21 29	0 4	22 13
F 6	16 48	15 4	2 15	20 9	1 7	17 10	5 59	1 17	0 37	18 4	0 48	21 43	0 20	21 29	0 4	22 13
S 7	16 31	19 21	1 8	20 10	0 52	17 12	5 56	1 2	0 36	18 6	0 49	21 42	0 20	21 29	0 4	22 13
S 8	16 14	22 43	0n 5	20 10	0 38	17 14	5 53	0 46	0 35	18 8	0 49	21 41	0 20	21 28	0 4	22 13
M 9	15 57	24 46	1 21	20 7	0 23	17 16	5 50	0 31	0 34	18 11	0 49	21 40	0 19	21 28	0 4	22 13
T 10	15 40	25 11	2 33	20 2	0 10	17 18	5 46	0 15	0 34	18 13	0 49	21 39	0 19	21 28	0 4	22 13
W11	15 22	23 47	3 36	19 55	0n 3	17 20	5 42	0s 0	0 33	18 15	0 49	21 38	0 19	21 28	0 4	22 13
T 12	15 5	20 38	4 24	19 45	0 16	17 22	5 38	0 16	0 32	18 17	0 49	21 37	0 19	21 28	0 4	22 13
F 13	14 47	16 5	4 54	19 32	0 28	17 24	5 34	0 31	0 32	18 19	0 49	21 36	0 19	21 28	0 4	22 13
S 14	14 28	10 32	5 3	19 17	0 39	17 27	5 30	0 47	0 31	18 22	0 49	21 35	0 19	21 28	0 4	22 13
S 15	14 10	4 30	4 51	18 59	0 49	17 29	5 25	1 2	0 30	18 24	0 49	21 34	0 19	21 28	0 4	22 14
M16	13 51	1s37	4 21	18 38	0 59	17 31	5 20	1 18	0 30	18 26	0 49	21 33	0 19	21 28	0 4	22 14
T 17	13 32	7 27	3 36	18 15	1 7	17 32	5 15	1 34	0 29	18 28	0 50	21 32	0 19	21 28	0 4	22 14
W18	13 13	12 45	2 40	17 49	1 15	17 34	5 10	1 49	0 28	18 30	0 50	21 31	0 19	21 28	0 4	22 14
T 19	12 54	17 18	1 38	17 21	1 22	17 36	5 5	2 5	0 28	18 32	0 50	21 31	0 19	21 28	0 4	22 14
F 20	12 34	20 57	0 33	16 50	1 28	17 37	5 0	2 21	0 27	18 34	0 50	21 30	0 19	21 28	0 4	22 14
S 21	12 14	23 32	0s32	16 18	1 33	17 38	4 55	2 36	0 26	18 36	0 50	21 29	0 19	21 28	0 3	22 14
S 22	11 54	24 59	1 35	15 43	1 37	17 39	4 49	2 52	0 25	18 38	0 50	21 28	0 19	21 29	0 3	22 14
M23	11 34	25 16	2 32	15 6	1 40	17 40	4 44	3 8	0 25	18 40	0 50	21 27	0 19	21 29	0 3	22 14
T 24	11 14	24 22	3 22	14 28	1 43	17 40	4 38	3 23	0 24	18 42	0 50	21 26	0 18	21 29	0 3	22 14
W25	10 54	22 24	4 4	13 48	1 45	17 41	4 33	3 39	0 23	18 44	0 50	21 25	0 18	21 29	0 3	22 14
T 26	10 33	19 28	4 35	13 7	1 46	17 41	4 27	3 54	0 23	18 45	0 50	21 24	0 18	21 29	0 3	22 14
F 27	10 12	15 43	4 54	12 24	1 46	17 40	4 21	4 10	0 22	18 47	0 50	21 23	0 18	21 29	0 3	22 14
S 28	9 51	11 19	5 0	11 41	1 45	17 40	4 15	4 26	0 21	18 49	0 50	21 22	0 18	21 29	0 3	22 14
S 29	9 30	6 27	4 52	10 56	1 44	17 39	4 9	4 41	0 21	18 51	0 50	21 21	0 18	21 29	0 3	22 15
M30	9 9	1 18	4 32	10 11	1 43	17 38	4 3	4 57	0 20	18 52	0 50	21 20	0 18	21 29	0 3	22 15
T 31	8n47	3n59	3s58	9n25	1n40	17n36	3s57	5s13	0n19	18s54	0s50	21n19	0s18	21s29	0n 3	22s15

Julian Day Number = 2506908.5, Delta T = 122.75 sec
 Ecliptic obliquity = 23°25'13, Nutation = - 0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 26°51'30, Lahiri = 25°58'31

ASTRODIENST EPHEMERIS for the year 2151

geocentric

SEPTEMBER 2151

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 39 36	8 ^h 21'59	2 ^h 8' 7	11 ^h 45	23 ^h 33	14 ^h 37	8 ^h 33	22 ^h 11	7 ^h 31	5 ^h 50	24 ^h 5	11 ^h 45	11 ^h 42	14 ^h 22	20 ^h 15	W 1	
T 2	22 43 33	9 ^h 19'57	14 ^h 51	13 ^h 39	24 ^h 22	15 ^h 16	8 ^h 27	22 ^h 17	7 ^h 32	5 ^h 49	24 ^h 6	11 ^h 41	11 ^h 39	14 ^h 29	20 ^h 16	T 2	
F 3	22 47 29	10 ^h 17'58	27 ^h 51	15 ^h 32	25 ^h 12	15 ^h 55	8 ^h 21	22 ^h 23	7 ^h 33	5 ^h 49	24 ^h 6	11 ^h 40	11 ^h 35	14 ^h 36	20 ^h 17	F 3	
S 4	22 51 26	11 ^h 16'01	11 ^h 11	17 ^h 23	26 ^h 3	16 ^h 33	8 ^h 16	22 ^h 29	7 ^h 34	5 ^h 48	24 ^h 6	11 ^h 40	11 ^h 32	14 ^h 43	20 ^h 18	S 4	
S 5	22 55 22	12 ^h 14'05	24 ^h 51	19 ^h 13	26 ^h 54	17 ^h 12	8 ^h 11	22 ^h 35	7 ^h 35	5 ^h 48	24 ^h 7	11 ^h 39	11 ^h 29	14 ^h 49	20 ^h 19	S 5	
M 6	22 59 19	13 ^h 12'12	8 ^h 55	21 ^h 2	27 ^h 46	17 ^h 51	8 ^h 6	22 ^h 41	7 ^h 36	5 ^h 47	24 ^h 7	11 ^h 38	11 ^h 26	14 ^h 56	20 ^h 20	M 6	
T 7	23 3 15	14 ^h 10'21	23 ^h 22	22 ^h 50	28 ^h 38	18 ^h 31	8 ^h 1	22 ^h 47	7 ^h 37	5 ^h 47	24 ^h 8	11 ^h 34	11 ^h 23	15 ^h 3	20 ^h 21	T 7	
W 8	23 7 12	15 ^h 8'31	8 ^h 10	24 ^h 37	29 ^h 32	19 ^h 10	7 ^h 56	22 ^h 53	7 ^h 38	5 ^h 47	24 ^h 8	11 ^h 28	11 ^h 20	15 ^h 9	20 ^h 23	W 8	
T 9	23 11 8	16 ^h 6'44	23 ^h 12	26 ^h 22	0 ^h 125	19 ^h 49	7 ^h 51	22 ^h 59	7 ^h 39	5 ^h 46	24 ^h 8	11 ^h 19	11 ^h 16	15 ^h 16	20 ^h 24	T 9	
F 10	23 15 5	17 ^h 4'58	8 ^h 19	28 ^h 6	1 ^h 20	20 ^h 28	7 ^h 47	23 ^h 4	7 ^h 41	5 ^h 46	24 ^h 9	11 ^h 9	11 ^h 13	15 ^h 23	20 ^h 26	F 10	
S 11	23 19 2	18 ^h 3'14	23 ^h 22	29 ^h 49	2 ^h 15	21 ^h 7	7 ^h 42	23 ^h 10	7 ^h 42	5 ^h 46	24 ^h 9	10 ^h 57	11 ^h 10	15 ^h 29	20 ^h 27	S 11	
S 12	23 22 58	19 ^h 1'31	8 ^h 11	1 ^h 31	3 ^h 10	21 ^h 47	7 ^h 38	23 ^h 15	7 ^h 43	5 ^h 46	24 ^h 9	10 ^h 47	11 ^h 7	15 ^h 36	20 ^h 29	S 12	
M13	23 26 55	19 ^h 59'50	22 ^h 37	3 ^h 11	4 ^h 6	22 ^h 26	7 ^h 34	23 ^h 21	7 ^h 45	5 ^h 46	24 ^h 10	10 ^h 38	11 ^h 4	15 ^h 43	20 ^h 31	M13	
T 14	23 30 51	20 ^h 58'11	6 ^h 11	4 ^h 51	5 ^h 3	23 ^h 6	7 ^h 31	23 ^h 26	7 ^h 46	5 ^h 45	24 ^h 10	10 ^h 32	11 ^h 1	15 ^h 50	20 ^h 33	T 14	
W15	23 34 48	21 ^h 56'34	20 ^h 36	6 ^h 29	6 ^h 0	23 ^h 45	7 ^h 27	23 ^h 32	7 ^h 47	5 ^h 45	24 ^h 10	10 ^h 29	10 ^h 57	15 ^h 56	20 ^h 35	W15	
T 16	23 38 44	22 ^h 54'58	3 ^h 8	8 ^h 6	6 ^h 57	24 ^h 25	7 ^h 24	23 ^h 37	7 ^h 49	5 ^h 45	24 ^h 10	10 ^h 27	10 ^h 54	16 ^h 3	20 ^h 37	T 16	
F 17	23 42 41	23 ^h 53'24	15 ^h 46	9 ^h 42	7 ^h 55	25 ^h 5	7 ^h 20	23 ^h 42	7 ^h 51	5 ^h 45	24 ^h 10	10 ^h D27	10 ^h 51	16 ^h 10	20 ^h 39	F 17	
S 18	23 46 37	24 ^h 51'51	28 ^h 4	11 ^h 17	8 ^h 54	25 ^h 44	7 ^h 17	23 ^h 47	7 ^h 52	5 ^h D45	24 ^h 10	10 ^h R27	10 ^h 48	16 ^h 16	20 ^h 42	S 18	
S 19	23 50 34	25 ^h 50'20	10 ^h 3	12 ^h 51	9 ^h 52	26 ^h 24	7 ^h 14	23 ^h 52	7 ^h 54	5 ^h 45	24 ^h 11	10 ^h 26	10 ^h 45	16 ^h 23	20 ^h 44	S 19	
M20	23 54 31	26 ^h 48'51	22 ^h 4	14 ^h 24	10 ^h 52	27 ^h 4	7 ^h 12	23 ^h 57	7 ^h 56	5 ^h 45	24 ^h 11	10 ^h 23	10 ^h 41	16 ^h 30	20 ^h 46	M20	
T 21	23 58 27	27 ^h 47'23	3 ^h 55	15 ^h 56	11 ^h 51	27 ^h 44	7 ^h 9	24 ^h 2	7 ^h 57	5 ^h 45	24 ^h 11	10 ^h 18	10 ^h 38	16 ^h 37	20 ^h 49	T 21	
W22	0 2 24	28 ^h 45'57	15 ^h 46	17 ^h 27	12 ^h 51	28 ^h 24	7 ^h 7	24 ^h 7	7 ^h 59	5 ^h 46	24 ^h 11	10 ^h 10	10 ^h 35	16 ^h 43	20 ^h 52	W22	
T 23	0 6 20	29 ^h 44'33	27 ^h 40	18 ^h 57	13 ^h 52	29 ^h 4	7 ^h 5	24 ^h 11	8 ^h 1	5 ^h 46	24 ^h 11	10 ^h 0	10 ^h 32	16 ^h 50	20 ^h 54	T 23	
F 24	0 10 17	0 ^h 43'10	9 ^h 40	20 ^h 26	14 ^h 53	29 ^h 44	7 ^h 3	24 ^h 16	8 ^h 3	5 ^h 46	24 ^h R11	9 ^h 48	10 ^h 29	16 ^h 57	20 ^h 57	F 24	
S 25	0 14 13	1 ^h 41'49	21 ^h 48	21 ^h 53	15 ^h 54	0 ^h 1124	7 ^h 1	24 ^h 20	8 ^h 5	5 ^h 46	24 ^h 11	9 ^h 36	10 ^h 26	17 ^h 3	21 ^h 0	S 25	
S 26	0 18 10	2 ^h 40'30	4 ^h 9	23 ^h 20	16 ^h 56	1 ^h 4	7 ^h 0	24 ^h 25	8 ^h 7	5 ^h 46	24 ^h 11	9 ^h 23	10 ^h 22	17 ^h 10	21 ^h 3	S 26	
M27	0 22 6	3 ^h 39'13	16 ^h 32	24 ^h 45	17 ^h 58	1 ^h 45	6 ^h 58	24 ^h 29	8 ^h 9	5 ^h 47	24 ^h 11	9 ^h 13	10 ^h 19	17 ^h 17	21 ^h 6	M27	
T 28	0 26 3	4 ^h 37'58	29 ^h 8	26 ^h 10	19 ^h 0	2 ^h 25	6 ^h 57	24 ^h 33	8 ^h 11	5 ^h 47	24 ^h 11	9 ^h 4	10 ^h 16	17 ^h 24	21 ^h 9	T 28	
W29	0 29 59	5 ^h 36'45	11 ^h 55	27 ^h 33	20 ^h 3	3 ^h 5	6 ^h 56	24 ^h 38	8 ^h 13	5 ^h 47	24 ^h 11	8 ^h 58	10 ^h 13	17 ^h 30	21 ^h 12	W29	
T 30	0 33 56	6 ^h 35'35	24 ^h 53	28 ^h 55	21 ^h 11	3 ^h 1146	6 ^h 55	24 ^h 42	8 ^h 15	5 ^h 48	24 ^h 11	8 ^h 55	10 ^h 11	17 ^h 37	21 ^h 16	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	8n26	9n11	3s12	8n39	1n38	17n34	3s51	5s28	0n19	18s55	0s50	21n18	0s18	21s30	0n3	22s15	1n3	14n43	8s35	22n11	22n10	20s53	17s15	5n50			
T 2	8 4	14 6	2 16	7 52	1 34	17 32	3 45	5 44	0 18	18 57	0 50	21 17	0 18	21 30	0 3	22 15	1 3	14 43	8 35	22 10	22 10	20 51	17 15	5 49			
F 3	7 42	18 30	1 12	7 6	1 31	17 29	3 39	5 59	0 17	18 58	0 50	21 16	0 18	21 30	0 3	22 15	1 3	14 43	8 35	22 10	22 9	20 49	17 16	5 49			
S 4	7 20	22 3	0 3	6 18	1 27	17 26	3 33	6 15	0 17	19 0	0 50	21 15	0 18	21 30	0 3	22 15	1 3	14 43	8 35	22 10	22 9	20 48	17 16	5 49			
S 5	6 58	24 28	1n 9	5 31	1 22	17 22	3 27	6 30	0 16	19 1	0 50	21 14	0 18	21 30	0 3	22 15	1 3	14 43	8 35	22 10	22 9	20 46	17 17	5 48			
M 6	6 36	25 26	2 19	4 44	1 17	17 18	3 21	6 46	0 15	19 2	0 50	21 13	0 18	21 30	0 3	22 15	1 3	14 43	8 35	22 10	22 8	20 45	17 17	5 48			
T 7	6 13	24 42	3 21	3 57	1 12	17 14	3 15	7 1	0 15	19 4	0 50	21 13	0 17	21 31	0 3	22 15	1 3	14 42	8 35	22 9	22 8	20 43	17 18	5 47			
W 8	5 51	22 16	4 12	3 9	1 6	17 9	3 9	7 17	0 14	19 5	0 50	21 12	0 17	21 31	0 3	22 15	1 3	14 42	8 36	22 8	22 7	20 41	17 18	5 47			
T 9	5 28	18 16	4 46	2 22	1 1	17 4	3 3	7 32	0 13	19 6	0 50	21 11	0 17	21 31	0 3	22 15	1 3	14 42	8 36	22 7	22 7	20 40	17 19	5 46			
F 10	5 6	13 5	5 0	1 35	0 55	16 58	2 57	7 48	0 13	19 7	0 50	21 10	0 17	21 31	0 3	22 15	1 2	14 42	8 36	22 6	22 6	20 38	17 19	5 46			
S 11	4 43	7 7	4 53	0 49	0 48	16 52	2 51	8 3	0 12	19 8	0 50	21 9	0 17	21 31	0 3	22 15	1 2	14 42	8 36	22 4	22 6	20 36	17 20	5 46			
S 12	4 20	0 51	4 27	0 2	0 42	16 46	2 45	8 18	0 11	19 10	0 50	21 8	0 17	21 32	0 3	22 15	1 2	14 42	8 36	22 3	22 5	20 35	17 20	5 45			
M13	3 58	5s19	3 44	0s44	0 35	16 39	2 38	8 34	0 11	19 11	0 50	21 7	0 17	21 32	0 3	22 15	1 2	14 42	8 36	22 1	22 5	20 33	17 21	5 45			
T 14	3 35	11 3	2 49	1 29	0 28	16 31	2 32	8 49	0 10	19 11	0 50	21 6	0 17	21 32	0 3	22 15	1 2	14 42	8 36	22 1	22 5	20 31	17 22	5 44			
W15	3 12	16 3	1 46	2 15	0 21	16 24	2 26	9 4	0 9	19 12	0 50	21 6	0 17	21 32	0 3	22 16	1 2	14 41	8 37	22 0	22 4	20 30	17 22	5 44			
T 16	2 49	20 8	0 39	3 0	0 14	16 15	2 20	9 19	0 9	19 13	0 50	21 5	0 17	21 33	0 3	22 16	1 2	14 41	8 37	22 0	22 4	20 28	17 23	5 43			
F 17	2 25	23 8	0s28	3 44	0 7	16 7	2 14	9 34	0 8	19 14	0 50	21 4	0 17	21 33	0 3	22 16	1 2	14 41	8 37	22 0	22 3	20 26	17 23	5 43			
S 18	2 2	24 56	1 32	4 28	0s 1	15 57	2 8	9 49	0 7	19 15	0 50	21 3	0 17	21 33	0 3	22 16	1 2	14 41	8 37	22 0	22 3	20 25	17 24	5 43			
S 19	1 39	25 32	2 30	5 12	0 8	15 48	2 2	10 4	0 7	19 16	0 50	21 2	0 17	21 33	0 3	22 16	1 2	14 41	8 37	22 0	22 2	20 23	17 24	5 42			
M20	1 16	24 56	3 22	5 55	0 15	15 37	1 57	10 19	0 6	19 16	0 50	21 2	0 17	21 34	0 3	22 16	1 2	14 41	8 37	21 59	22 2	20 21	17 25	5 42			
T 21	0 53	23 12	4 4	6 37	0 23	15 27	1 51	10 34	0 6	19 17	0 50	21 1	0 17	21 34	0 3	22 16	1 2	14 41	8 37	21 59	22 1	20 20	17 26	5 41			
W22	0 29	20 28	4 35	7 19	0 31	15 16	1 45	10 49	0 5	19 17	0 50	21 0	0 16	21 34	0 3	22 16	1 2	14 40	8 38	21 57	22 1	20 18	17 26	5 41			
T 23	0 6	16 53	4 55	8 0	0 38	15 4	1 39	11 4	0 4	19 18	0 50	20 59	0 16	21 35	0 3	22 16	1 2	14 40	8 38	21 56	22 1	20 16	17 27	5 41			
F 24	0s17	12 35	5 2	8 41	0 46	14 52	1 33	11 9	0 4	19 18	0 50	20 59	0 16	21 35	0 3	22 16	1 2	14 40	8 38	21 54	22 0	20 14	17 27	5 40			
S 25	0 40	7 46	4 55	9 21	0 54	14 40	1 28	11 33	0 3	19 19	0 50	20 58	0 16	21 35	0 3	22 16	1 2	14 40	8 38	21 52	22 0	20 13	17 28	5 40			
S 26	1 4	2 35	4 34	10 0	1 1	14 27	1 22	11 48	0 2	19 19	0 50	20 57	0 16	21 36	0 3	22 16	1 2	14 40	8 38	21 50	21 59	20 11	17 28	5 39			
M27	1 27	2n47	4 1	10 39	1 9	14 14	1 16	12 3	0 2	19 19	0 50	20 56	0 16	21 36	0 3	22 16	1 2	14 40	8 38	21 49	21 59	20 9	17 29	5 39			
T 28	1 50	8 7	3 15	11 17	1 16	14 0	1 11	12 17	0 1	19 20	0 50	20 56	0 16	21 36	0 3	22 16	1 2	14 40	8 38	21 48	21 58	20 7	17 30	5 39			
W29	2 14	13 12	2 19	11 54	1 24	13 46	1 5	12 32	0 0	19 20	0 50	20 55	0 16	21 37	0 3	22 16	1 2	14 39	8 39	21 47	21 58	20 6	17 30	5 38			
T 30	2s37	17n47	1s14	12s30	1s31	13n31	1s 0	12s46	0s 0	19s20	0s50	20n54	0s16	21s37	0n 3	22s16	1n 2	14n39	8s39	21n46	21n57	20s 4	17s31	5n38			

ASTRODIENST EPHEMERIS for the year 2151
geocentric

OCTOBER 2151

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 37 53	7♂♂42'26	8♂♂ 4	0♂♂16	22♂♂ 9	4♂♂26	6°R55	24♂♂46	8♂♂17	5♂♂48	24°R10	8°D54	10♂♂ 7	17♂♂44	21♂♂19	F 1
S 2	0 41 49	8°33'20	21°28	1°36	23°12	5° 7	6♂♂55	24°50	8°20	5°49	24♂♂10	8♂♂55	10° 3	17°50	21°23	S 2
S 3	0 45 46	9°32'17	5♂♂ 8	2°54	24°16	5°48	6°D54	24°53	8°22	5°49	24°10	8°R55	10° 0	17°57	21°26	S 3
M 4	0 49 42	10°31'15	19° 5	4°11	25°20	6°28	6°54	24°57	8°24	5°50	24°10	8°55	9°57	18° 4	21°30	M 4
T 5	0 53 39	11°30'16	3♂♂19	5°27	26°25	7° 9	6°55	25° 1	8°27	5°50	24°10	8°53	9°54	18°11	21°33	T 5
W 6	0 57 35	12°29'19	17°47	6°41	27°30	7°50	6°55	25° 4	8°29	5°51	24° 9	8°49	9°51	18°17	21°37	W 6
T 7	1 1 32	13°28'25	2♂♂27	7°54	28°35	8°31	6°56	25° 8	8°32	5°51	24° 9	8°43	9°47	18°24	21°41	T 7
F 8	1 5 28	14°27'32	17°12	9° 5	29°40	9°12	6°57	25°11	8°34	5°52	24° 9	8°35	9°44	18°31	21°45	F 8
S 9	1 9 25	15°26'42	1♂♂55	10°14	0♂♂46	9°53	6°58	25°14	8°37	5°53	24° 9	8°26	9°41	18°37	21°49	S 9
S 10	1 13 22	16°25'54	16°27	11°22	1°51	10°34	6°59	25°17	8°39	5°54	24° 8	8°18	9°38	18°44	21°53	S 10
M11	1 17 18	17°25'08	0♂♂43	12°27	2°57	11°15	7° 0	25°20	8°42	5°54	24° 8	8°11	9°35	18°51	21°57	M11
T 12	1 21 15	18°24'24	14°36	13°30	4° 4	11°56	7° 2	25°23	8°44	5°55	24° 7	8° 7	9°32	18°58	22° 1	T 12
W13	1 25 11	19°23'42	28° 5	14°30	5°10	12°37	7° 4	25°26	8°47	5°56	24° 7	8° 4	9°28	19° 4	22° 6	W13
T 14	1 29 8	20°23'01	11♂♂ 8	15°28	6°17	13°19	7° 6	25°29	8°50	5°57	24° 7	8°D 4	9°25	19°11	22°10	T 14
F 15	1 33 4	21°22'23	23°49	16°23	7°24	14° 0	7° 8	25°32	8°53	5°58	24° 6	8° 5	9°22	19°18	22°14	F 15
S 16	1 37 1	22°21'46	6♂♂10	17°15	8°31	14°42	7°10	25°34	8°55	5°59	24° 6	8° 6	9°19	19°24	22°19	S 16
S 17	1 40 57	23°21'12	18°17	18° 3	9°38	15°23	7°13	25°37	8°58	5°59	24° 5	8°R 7	9°16	19°31	22°23	S 17
M18	1 44 54	24°20'38	0♂♂13	18°47	10°46	16° 5	7°16	25°39	9° 1	6° 0	24° 5	8° 7	9°12	19°38	22°28	M18
T 19	1 48 51	25°20'07	12° 6	19°27	11°54	16°46	7°19	25°41	9° 4	6° 1	24° 4	8° 5	9° 9	19°45	22°33	T 19
W20	1 52 47	26°19'37	23°58	20° 3	13° 2	17°28	7°22	25°43	9° 7	6° 2	24° 4	8° 2	9° 6	19°51	22°38	W20
T 21	1 56 44	27°19'10	5♂♂55	20°33	14°10	18°10	7°25	25°45	9°10	6° 4	24° 3	7°56	9° 3	19°58	22°42	T 21
F 22	2 0 40	28°18'43	17°59	20°57	15°18	18°52	7°29	25°47	9°13	6° 5	24° 3	7°50	9° 0	20° 5	22°47	F 22
S 23	2 4 37	29°18'19	0♂♂15	21°16	16°27	19°33	7°32	25°49	9°16	6° 6	24° 2	7°43	8°57	20°11	22°52	S 23
S 24	2 8 33	0♂♂17'57	12°43	21°28	17°35	20°15	7°36	25°51	9°19	6° 7	24° 1	7°36	8°53	20°18	22°57	S 24
M25	2 12 30	1°17'36	25°25	21°R32	18°44	20°57	7°40	25°52	9°22	6° 8	24° 1	7°30	8°50	20°25	23° 2	M25
T 26	2 16 26	2°17'18	8♂♂20	21°29	19°53	21°39	7°45	25°54	9°25	6° 9	24° 0	7°25	8°47	20°32	23° 7	T 26
W27	2 20 23	3°17'01	21°28	21°17	21° 2	22°21	7°49	25°55	9°28	6°11	23°59	7°22	8°44	20°38	23°12	W27
T 28	2 24 20	4°16'47	4♂♂49	20°57	22°12	23° 4	7°54	25°56	9°31	6°12	23°59	7°D21	8°41	20°45	23°18	T 28
F 29	2 28 16	5°16'35	18°21	20°28	23°21	23°46	7°58	25°57	9°35	6°13	23°58	7°22	8°38	20°52	23°23	F 29
S 30	2 32 13	6°16'25	2♂♂ 3	19°49	24°31	24°28	8° 3	25°58	9°38	6°14	23°57	7°23	8°34	20°58	23°28	S 30
S 31	2 36 9	7♂♂16'17	15♂♂55	19♂♂ 2	25♂♂41	25♂♂10	8♂♂ 9	25♂♂59	9♂♂41	6♂♂16	23♂♂57	7♂♂25	8♂♂31	21♂♂ 5	23♂♂34	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
F 1	3s 0	21n34	0s 5	13s 6	1s39	13n16	0s54	13s 0	0s 1	19s20	0s50	20n54	0s16	21s37	0n 3	22s16	1n 2	14n39	8s39	21n46	21n57	20s 2	17s31	5n38			
S 2	3 23	24 15	1n 7	13 41	1 46	13 0	0 49	13 14	0 1	19 20	0 50	20 53	0 16	21 38	0 3	22 16	1 2	14 39	8 39	21 46	21 56	20 0	17 32	5 37			
S 3	3 47	25 35	2 15	14 14	1 53	12 44	0 44	13 29	0 2	19 20	0 50	20 53	0 16	21 38	0 3	22 16	1 1	14 39	8 39	21 46	21 56	19 58	17 33	5 37			
M 4	4 10	25 19	3 18	14 47	2 0	12 28	0 38	13 43	0 3	19 20	0 50	20 52	0 16	21 38	0 3	22 16	1 1	14 39	8 39	21 46	21 55	19 57	17 33	5 36			
T 5	4 33	23 26	4 9	15 19	2 7	12 11	0 33	13 57	0 3	19 20	0 50	20 51	0 16	21 39	0 3	22 16	1 1	14 39	8 39	21 46	21 55	19 55	17 34	5 36			
W 6	4 56	20 1	4 45	15 50	2 14	11 54	0 28	14 10	0 4	19 20	0 50	20 51	0 16	21 39	0 3	22 16	1 1	14 38	8 40	21 45	21 55	19 53	17 34	5 36			
T 7	5 19	15 19	5 4	16 20	2 20	11 36	0 23	14 24	0 5	19 20	0 50	20 50	0 15	21 40	0 3	22 16	1 1	14 38	8 40	21 44	21 54	19 51	17 35	5 35			
F 8	5 42	9 41	5 2	16 49	2 26	11 18	0 18	14 38	0 5	19 19	0 50	20 50	0 15	21 40	0 3	22 16	1 1	14 38	8 40	21 43	21 54	19 49	17 35	5 35			
S 9	6 5	3 32	4 40	17 17	2 32	10 59	0 13	14 51	0 6	19 19	0 50	20 49	0 15	21 40	0 3	22 16	1 1	14 38	8 40	21 42	21 53	19 48	17 36	5 35			
S 10	6 27	2s45	4 1	17 44	2 38	10 40	0 8	15 5	0 6	19 19	0 50	20 49	0 15	21 41	0 3	22 16	1 1	14 38	8 40	21 40	21 53	19 46	17 37	5 34			
M11	6 50	8 48	3 7	18 9	2 44	10 21	0 4	15 18	0 7	19 18	0 49	20 48	0 15	21 41	0 3	22 16	1 1	14 38	8 40	21 39	21 52	19 44	17 37	5 34			
T 12	7 13	14 15	2 3	18 34	2 49	10 2	0n 1	15 32	0 8	19 18	0 49	20 48	0 15	21 42	0 3	22 16	1 1	14 37	8 40	21 39	21 52	19 42	17 38	5 34			
W13	7 35	18 51	0 54	18 56	2 54	9 42	0 5	15 45	0 8	19 17	0 49	20 47	0 15	21 42	0 3	22 16	1 1	14 37	8 41	21 38	21 51	19 40	17 38	5 33			
T 14	7 57	22 22	0s17	19 18	2 58	9 21	0 10	15 58	0 9	19 17	0 49	20 47	0 15	21 43	0 3	22 16	1 1	14 37	8 41	21 38	21 51	19 39	17 39	5 33			
F 15	8 20	24 41	1 24	19 38	3 2	9 1	0 14	16 11	0 10	19 16	0 49	20 46	0 15	21 43	0 3	22 16	1 1	14 37	8 41	21 38	21 50	19 37	17 39	5 33			
S 16	8 42	25 42	2 26	19 56	3 5	8 40	0 19	16 24	0 10	19 16	0 49	20 46	0 15	21 43	0 3	22 16	1 1	14 37	8 41	21 38	21 50	19 35	17 40	5 32			
S 17	9 4	25 29	3 20	20 12	3 8	8 18	0 23	16 36	0 11	19 15	0 49	20 46	0 15	21 44	0 3	22 16	1 1	14 37	8 41	21 39	21 49	19 33	17 41	5 32			
M18	9 26	24 4	4 5	20 27	3 11	7 57	0 27	16 49	0 11	19 14	0 49	20 45	0 15	21 44	0 3	22 16	1 1	14 37	8 41	21 39	21 49	19 31	17 41	5 32			
T 19	9 48	21 36	4 38	20 40	3 12	7 35	0 31	17 2	0 12	19 13	0 49	20 45	0 15	21 45	0 3	22 16	1 1	14 36	8 41	21 38	21 48	19 29	17 42	5 31			
W20	10 9	18 14	5 0	20 50	3 13	7 12	0 35	17 14	0 13	19 12	0 49	20 45	0 15	21 45	0 3	22 16	1 1	14 36	8 41	21 38	21 48	19 27	17 42	5 31			
T 21	10 31	14 7	5 9	20 59	3 13	6 50	0 39	17 26	0 13	19 11	0 49	20 44	0 15	21 46	0 3	22 16	1 1	14 36	8 42	21 37	21 47	19 25	17 43	5 31			
F 22	10 52	9 25	5 5	21 4	3 12	6 27	0 43	17 38	0 14	19 10	0 49	20 44	0 14	21 46	0 3	22 16	1 1	14 36	8 42	21 36	21 47	19 24	17 43	5 31			
S 23	11 13	4 17	4 46	21 7	3 10	6 4	0 47	17 50	0 14	19 9	0 49	20 44	0 14	21 47	0 3	22 16	1 1	14 36	8 42	21 35	21 46	19 22	17 44	5 30			
S 24	11 34	1n 7	4 14	21 8	3 7	5 41	0 50	18 2	0 15	19 8	0 49	20 44	0 14	21 47	0 3	22 16	1 1	14 36	8 42	21 34	21 46	19 20	17 44	5 30			
M25	11 55	6 35	3 28	21 5	3 3	5 17	0 54	18 14	0 16	19 7	0 49	20 43	0 14	21 48	0 3	22 16	1 1	14 36	8 42	21 33	21 45	19 18	17 45	5 30			
T 26	12 16	11 53	2 32	20 59	2 58	4 53	0 58	18 25	0 16	19 6	0 49	20 43	0 14	21 48	0 3	22 16	1 1	14 35	8 42	21 32	21 45	19 16	17 45	5 30			
W27	12 36	16 44	1 26	20 49	2 51	4 29	1 1	18 37	0 17	19 5	0 49	20 43	0 14	21 49	0 3	22 16	1 0	14 35	8 42	21 31	21 44	19 14	17 46	5 29			
T 28	12 56	20 51	0 14	20 35	2 42	4 5	1 4	18 48	0 17	19 4	0 49	20 43	0 14	21 49	0 3	22 16	1 0	14 35	8 42	21 31	21 44	19 12	17 46	5 29			
F 29	13 16	23 54	1n 0	20 17	2 32	3 40	1 7	18 59	0 18	19 2	0 48	20 43	0 14	21 50	0 3	22 16	1 0	14 35	8 42	21 31	21 43	19 10	17 47	5 29			
S 30	13 36	25 35	2 11	19 55	2 20	3 15	1 10	19 10	0 19	19 1	0 48	20 43	0 14	21 50	0 3	22 16	1 0	14 35	8 43	21 32	21 43	19 8	17 47	5 29			
S 31	13s56	25n42	3n15	19s29	2s 6	2n50	1n13	19s21	0s19	19s 0	0s48	20n42	0s14	21s50	0n 3	22s16	1n 0	14n35	8s43	21n32	21n42	19s 6	17s48	5n28			

ASTRODIENST EPHEMERIS for the year 2151

geocentric

NOVEMBER 2151

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 40 6	8♍16°11	29♌56	18♍6	26♍51	25♍53	8♍14	26♌0	9♍44	6♌17	23♍56	7♍26	8♍28	21♍12	23♍39	M 1
T 2	2 44 2	9°16'08	14♌4	17♍2	28°1	26°35	8°19	26°1	9°48	6°19	23♍55	7°R26	8°25	21°19	23°45	T 2
W 3	2 47 59	10°16'06	28°19	15°52	29°11	27°18	8°25	26°1	9°51	6°20	23°54	7°25	8°22	21°25	23°50	W 3
T 4	2 51 55	11°16'07	12♍37	14°37	0♌22	28°0	8°31	26°2	9°54	6°21	23°54	7°22	8°18	21°32	23°56	T 4
F 5	2 55 52	12°16'10	26°55	13°19	1°32	28°43	8°37	26°2	9°58	6°23	23°53	7°19	8°15	21°39	24°1	F 5
S 6	2 59 49	13°16'15	11♌9	12°1	2°43	29°26	8°43	26°3	10°1	6°24	23°52	7°16	8°12	21°45	24°7	S 6
S 7	3 3 45	14°16'22	25°14	10°46	3°54	0♌8	8°49	26°3	10°4	6°26	23°51	7°12	8°9	21°52	24°13	S 7
M 8	3 7 42	15°16'31	9♍7	9°34	5°5	0°51	8°56	26°R3	10°8	6°28	23°50	7°9	8°6	21°59	24°19	M 8
T 9	3 11 38	16°16'42	22°43	8°30	6°16	1°34	9°3	26°3	10°11	6°29	23°49	7°8	8°3	22°6	24°25	T 9
W10	3 15 35	17°16'55	6♌0	7°34	7°27	2°17	9°9	26°2	10°15	6°31	23°48	7°D7	7°59	22°12	24°30	W10
T 11	3 19 31	18°17'10	18°57	6°48	8°39	3°0	9°16	26°2	10°18	6°32	23°47	7°7	7°56	22°19	24°36	T 11
F 12	3 23 28	19°17'26	1♌36	6°13	9°50	3°43	9°24	26°2	10°22	6°34	23°47	7°9	7°53	22°26	24°42	F 12
S 13	3 27 24	20°17'43	13°58	5°50	11°1	4°26	9°31	26°1	10°25	6°36	23°46	7°10	7°50	22°32	24°48	S 13
S 14	3 31 21	21°18'02	26°6	5°39	12°13	5°9	9°38	26°0	10°29	6°38	23°45	7°11	7°47	22°39	24°54	S 14
M15	3 35 18	22°18'23	8♌4	5°D38	13°25	5°53	9°46	26°0	10°32	6°39	23°44	7°13	7°44	22°46	25°0	M15
T 16	3 39 14	23°18'45	19°57	5°49	14°37	6°36	9°54	25°59	10°36	6°41	23°43	7°R13	7°40	22°53	25°7	T 16
W17	3 43 11	24°19'08	1♌50	6°10	15°49	7°19	10°2	25°58	10°39	6°43	23°42	7°13	7°37	22°59	25°13	W17
T 18	3 47 7	25°19'33	13°47	6°41	17°1	8°3	10°10	25°57	10°43	6°45	23°41	7°12	7°34	23°6	25°19	T 18
F 19	3 51 4	26°19'59	25°53	7°19	18°13	8°46	10°18	25°55	10°47	6°46	23°40	7°11	7°31	23°13	25°25	F 19
S 20	3 55 0	27°20'26	8♌11	8°6	19°25	9°30	10°26	25°54	10°50	6°48	23°39	7°10	7°28	23°19	25°31	S 20
S 21	3 58 57	28°20'55	20°45	8°59	20°37	10°13	10°35	25°53	10°54	6°50	23°38	7°8	7°24	23°26	25°38	S 21
M22	4 2 53	29°21'25	3♌38	9°58	21°50	10°57	10°43	25°51	10°57	6°52	23°37	7°7	7°21	23°33	25°44	M22
T 23	4 6 50	0♌21°57	16°49	11°2	23°2	11°41	10°52	25°49	11°1	6°54	23°36	7°7	7°18	23°40	25°50	T 23
W24	4 10 47	1°22'30	0♌19	12°10	24°15	12°24	11°1	25°48	11°5	6°56	23°34	7°D6	7°15	23°46	25°57	W24
T 25	4 14 43	2°23'04	14°6	13°22	25°27	13°8	11°10	25°46	11°8	6°58	23°33	7°6	7°12	23°53	26°3	T 25
F 26	4 18 40	3°23'40	28°6	14°38	26°40	13°52	11°19	25°44	11°12	7°0	23°32	7°6	7°9	24°0	26°10	F 26
S 27	4 22 36	4°24'18	12♌16	15°56	27°53	14°36	11°28	25°42	11°16	7°2	23°31	7°7	7°5	24°7	26°16	S 27
S 28	4 26 33	5°24'57	26°32	17°17	29°6	15°20	11°38	25°40	11°19	7°4	23°30	7°7	7°2	24°13	26°23	S 28
M29	4 30 29	6°25'38	10♌51	18°39	0♍19	16°4	11°47	25°37	11°23	7°6	23°29	7°7	6°59	24°20	26°29	M29
T 30	4 34 26	7♌26°20	25♌7	20♍4	1♍32	16♌48	11♌57	25♌35	11♌27	7♌8	23♌28	7°R7	6♍56	24♌27	26♌36	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
M 1	14s15	24n12	4n 9	18s59	1s50	2n25	1n16	19s32	0s20	18s58	0s48	20n42	0s14	21s51	0n 3	22s16	1n 0	14n35	8s43	21n32	21n42	19s 4	17s48	5n28			
T 2	14 34	21 11	4 48	18 24	1 33	2 0	1 19	19 42	0 20	18 57	0 48	20 42	0 14	21 51	0 3	22 16	1 0	14 35	8 43	21 32	21 41	19 2	17 49	5 28			
W 3	14 53	16 53	5 9	17 46	1 15	1 34	1 22	19 53	0 21	18 55	0 48	20 42	0 14	21 52	0 3	22 16	1 0	14 34	8 43	21 32	21 41	19 0	17 49	5 28			
T 4	15 12	11 38	5 12	17 6	0 55	1 9	1 24	20 3	0 22	18 54	0 48	20 42	0 14	21 52	0 3	22 16	1 0	14 34	8 43	21 31	21 40	18 59	17 50	5 27			
F 5	15 30	5 45	4 55	16 23	0 35	0 43	1 27	20 13	0 22	18 52	0 48	20 42	0 13	21 53	0 3	22 16	1 0	14 34	8 43	21 31	21 40	18 57	17 50	5 27			
S 6	15 49	0s24	4 21	15 40	0 14	0 17	1 29	20 23	0 23	18 50	0 48	20 42	0 13	21 53	0 3	22 16	1 0	14 34	8 43	21 30	21 39	18 55	17 51	5 27			
S 7	16 7	6 30	3 30	14 57	0n 6	0s 9	1 32	20 33	0 23	18 49	0 48	20 42	0 13	21 54	0 3	22 16	1 0	14 34	8 43	21 30	21 39	18 53	17 51	5 27			
M 8	16 24	12 11	2 28	14 15	0 26	0 35	1 34	20 42	0 24	18 47	0 48	20 42	0 13	21 55	0 3	22 16	1 0	14 34	8 43	21 29	21 38	18 51	17 52	5 27			
T 9	16 42	17 10	1 19	13 37	0 45	1 1	1 36	20 51	0 24	18 45	0 48	20 42	0 13	21 55	0 3	22 16	1 0	14 34	8 43	21 29	21 38	18 49	17 52	5 26			
W10	16 59	21 11	0 6	13 2	1 3	1 27	1 38	21 1	0 25	18 43	0 48	20 43	0 13	21 56	0 3	22 16	1 0	14 34	8 43	21 29	21 37	18 47	17 52	5 26			
T 11	17 16	24 2	1s 5	12 32	1 19	1 54	1 40	21 10	0 26	18 41	0 48	20 43	0 13	21 56	0 3	22 16	1 0	14 33	8 44	21 29	21 37	18 45	17 53	5 26			
F 12	17 32	25 36	2 11	12 7	1 33	2 20	1 42	21 18	0 26	18 39	0 48	20 43	0 13	21 57	0 3	22 16	1 0	14 33	8 44	21 29	21 36	18 43	17 53	5 26			
S 13	17 48	25 50	3 10	11 47	1 46	2 46	1 43	21 27	0 27	18 37	0 48	20 43	0 13	21 57	0 3	22 16	1 0	14 33	8 44	21 29	21 36	18 41	17 54	5 26			
S 14	18 4	24 49	3 59	11 34	1 56	3 13	1 45	21 35	0 27	18 35	0 48	20 43	0 13	21 58	0 3	22 16	1 0	14 33	8 44	21 30	21 35	18 39	17 54	5 26			
M15	18 20	22 41	4 36	11 26	2 5	3 39	1 47	21 44	0 28	18 33	0 48	20 44	0 13	21 58	0 2	22 15	1 0	14 33	8 44	21 30	21 35	18 37	17 54	5 25			
T 16	18 35	19 35	5 2	11 23	2 12	4 6	1 48	21 52	0 28	18 31	0 47	20 44	0 13	21 59	0 2	22 15	1 0	14 33	8 44	21 30	21 34	18 35	17 55	5 25			
W17	18 50	15 43	5 15	11 25	2 17	4 32	1 49	21 59	0 29	18 29	0 47	20 44	0 13	21 59	0 2	22 15	1 0	14 33	8 44	21 30	21 34	18 33	17 55	5 25			
T 18	19 5	11 12	5 14	11 31	2 20	4 58	1 51	22 7	0 29	18 27	0 47	20 44	0 12	22 0	0 2	22 15	1 0	14 33	8 44	21 30	21 33	18 31	17 55	5 25			
F 19	19 19	6 13	5 0	11 42	2 22	5 25	1 52	22 14	0 30	18 24	0 47	20 45	0 12	22 0	0 2	22 15	1 0	14 33	8 44	21 30	21 33	18 28	17 56	5 25			
S 20	19 33	0 55	4 31	11 56	2 23	5 51	1 53	22 22	0 31	18 22	0 47	20 45	0 12	22 1	0 2	22 15	1 0	14 33	8 44	21 29	21 32	18 26	17 56	5 25			
S 21	19 47	4n33	3 49	12 14	2 23	6 17	1 54	22 29	0 31	18 20	0 47	20 45	0 12	22 1	0 2	22 15	1 0	14 33	8 44	21 29	21 32	18 24	17 56	5 25			
M22	20 0	9 58	2 55	12 33	2 21	6 44	1 54	22 35	0 32	18 17	0 47	20 46	0 12	22 2	0 2	22 15	1 0	14 32	8 44	21 29	21 31	18 22	17 57	5 25			
T 23	20 13	15 5	1 50	12 55	2 19	7 10	1 55	22 42	0 32	18 15	0 47	20 46	0 12	22 2	0 2	22 15	1 0	14 32	8 44	21 29	21 31	18 20	17 57	5 25			
W24	20 25	19 35	0 38	13 19	2 16	7 36	1 56	22 48	0 33	18 12	0 47	20 46	0 12	22 3	0 2	22 15	1 0	14 32	8 44	21 29	21 30	18 18	17 57	5 24			
T 25	20 37	23 7	0n39	13 45	2 12	8 2	1 56	22 54	0 33	18 10	0 47	20 47	0 12	22 3	0 2	22 15	0 59	14 32	8 44	21 29	21 30	18 16	17 57	5 24			
F 26	20 49	25 18	1 54	14 11	2 7	8 28	1 57	23 0	0 34	18 7	0 47	20 47	0 12	22 4	0 2	22 15	0 59	14 32	8 44	21 29	21 29	18 14	17 58	5 24			
S 27	21 0	25 53	3 3	14 38	2 2	8 53	1 57	23 6	0 34	18 5	0 47	20 48	0 12	22 4	0 2	22 15	0 59	14 32	8 44	21 29	21 29	18 12	17 58	5 24			
S 28	21 11	24 46	4 1	15 6	1 57	9 19	1 57	23 11	0 35	18 2	0 47	20 48	0 12	22 5	0 2	22 15	0 59	14 32	8 44	21 29	21 28	18 10	17 58	5 24			
M29	21 22	22 3	4 44	15 35	1 51	9 44	1 58	23 17	0 35	17 59	0 47	20 49	0 11	22 5	0 2	22 15	0 59	14 32	8 44	21 29	21 28	18 8	17 58	5 24			
T 30	21s32	18n 0	5n10	16s 3	1n45	10s 9	1n58	23s22	0s36	17s57	0s47	20n49	0s11	22s 6	0n 2	22s14	0n59	14n32	8s44	21n29	21n27	18s 6	17s59	5n24			

ASTRODIENST EPHEMERIS for the year 2151
geocentric

DECEMBER 2151

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	4 38 23	8♌27°04'	9♍20	21♎30	2♎45	17♏32	12♏7	25°R32	11♏30	7♏10	23°R27	7°D 7	6♐53	24♐33	26♐42	W 1
T 2	4 42 19	9°27'50	23°26	22°57	3°58	18°16	12°16	25°30	11°34	7°12	23°26	7°II 7	6°50	24°40	26°49	T 2
F 3	4 46 16	10°28'37	7♌23	24°25	5°12	19° 0	12°27	25°27	11°38	7°14	23°25	7° 7	6°46	24°47	26°55	F 3
S 4	4 50 12	11°29'25	21°11	25°54	6°25	19°45	12°37	25°24	11°41	7°16	23°23	7° 8	6°43	24°54	27° 2	S 4
S 5	4 54 9	12°30'15	4♎48	27°23	7°38	20°29	12°47	25°22	11°45	7°18	23°22	7° 8	6°40	25° 0	27° 9	S 5
M 6	4 58 5	13°31'06	18°12	28°53	8°52	21°13	12°57	25°19	11°49	7°20	23°21	7° 9	6°37	25° 7	27°15	M 6
T 7	5 2 2	14°31'59	1♌23	0♌24	10° 5	21°58	13° 8	25°16	11°53	7°22	23°20	7°R 9	6°34	25°14	27°22	T 7
W 8	5 5 58	15°32'53	14°21	1°55	11°19	22°42	13°18	25°12	11°56	7°24	23°19	7° 9	6°30	25°20	27°29	W 8
T 9	5 9 55	16°33'48	27° 5	3°26	12°32	23°27	13°29	25° 9	12° 0	7°27	23°18	7° 8	6°27	25°27	27°35	T 9
F 10	5 13 52	17°34'44	9♌35	4°58	13°46	24°12	13°40	25° 6	12° 4	7°29	23°17	7° 7	6°24	25°34	27°42	F 10
S 11	5 17 48	18°35'41	21°52	6°30	15° 0	24°56	13°51	25° 2	12° 7	7°31	23°15	7° 6	6°21	25°41	27°49	S 11
S 12	5 21 45	19°36'38	3♎58	8° 2	16°14	25°41	14° 2	24°59	12°11	7°33	23°14	7° 4	6°18	25°47	27°55	S 12
M13	5 25 41	20°37'37	15°56	9°34	17°27	26°26	14°13	24°55	12°15	7°35	23°13	7° 2	6°15	25°54	28° 2	M13
T 14	5 29 38	21°38'36	27°49	11° 7	18°41	27°11	14°24	24°52	12°18	7°37	23°12	7° 0	6°11	26° 1	28° 9	T 14
W15	5 33 34	22°39'35	9♌40	12°40	19°55	27°56	14°36	24°48	12°22	7°40	23°11	6°59	6° 8	26° 8	28°16	W15
T 16	5 37 31	23°40'35	21°35	14°12	21° 9	28°40	14°47	24°44	12°26	7°42	23°10	6°D58	6° 5	26°14	28°22	T 16
F 17	5 41 27	24°41'36	3♌38	15°45	22°23	29°25	14°58	24°40	12°29	7°44	23° 8	6°59	6° 2	26°21	28°29	F 17
S 18	5 45 24	25°42'37	15°54	17°18	23°37	0♌10	15°10	24°36	12°33	7°46	23° 7	7° 0	5°59	26°28	28°36	S 18
S 19	5 49 21	26°43'39	28°27	18°51	24°51	0°55	15°22	24°32	12°36	7°49	23° 6	7° 1	5°56	26°34	28°43	S 19
M20	5 53 17	27°44'41	11♌22	20°24	26° 5	1°41	15°34	24°28	12°40	7°51	23° 5	7° 3	5°52	26°41	28°49	M20
T 21	5 57 14	28°45'43	24°39	21°58	27°19	2°26	15°45	24°24	12°44	7°53	23° 4	7° 4	5°49	26°48	28°56	T 21
W22	6 1 10	29°46'46	8♐22	23°31	28°33	3°11	15°57	24°20	12°47	7°55	23° 3	7°R 4	5°46	26°55	29° 3	W22
T 23	6 5 7	0♌47°50	22°28	25° 5	29°48	3°56	16° 9	24°15	12°51	7°58	23° 1	7° 4	5°43	27° 1	29°10	T 23
F 24	6 9 3	1°48'54	6♌53	26°39	1♌2	4°42	16°22	24°11	12°54	8° 0	23° 0	7° 2	5°40	27° 8	29°16	F 24
S 25	6 13 0	2°49'59	21°33	28°13	2°16	5°27	16°34	24° 7	12°58	8° 2	22°59	6°58	5°36	27°15	29°23	S 25
S 26	6 16 56	3°51'04	6♎19	29°47	3°30	6°12	16°46	24° 2	13° 1	8° 4	22°58	6°55	5°33	27°21	29°30	S 26
M27	6 20 53	4°52'10	21° 5	1♌21	4°45	6°58	16°58	23°58	13° 5	8° 7	22°57	6°51	5°30	27°28	29°37	M27
T 28	6 24 50	5°53'16	5♎43	2°56	5°59	7°43	17°11	23°53	13° 8	8° 9	22°56	6°47	5°27	27°35	29°43	T 28
W29	6 28 46	6°54'23	20° 8	4°31	7°14	8°29	17°23	23°49	13°12	8°11	22°55	6°45	5°24	27°42	29°50	W29
T 30	6 32 43	7°55'30	4♌16	6° 6	8°28	9°14	17°36	23°44	13°15	8°13	22°53	6°D43	5°21	27°48	29°57	T 30
F 31	6 36 39	8♌56'39	18♌6	7♌41	9♌42	10♌0	17°49	23°39	13°19	8♌16	22°52	6♐44	5♐17	27°55	0♌4	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
W 1	21s42	12n57	5n17	16s32	1n39	10s34	1n58	23s26	0s36	17s54	0s47	20n50	0s11	22s 6	0n 2	22s14	0n59	14n32	8s44	21n29	21n26	18s 4	17s59	5n24	
T 2	21 51	7 16	5 4	17 0	1 32	10 59	1 58	23 31	0 37	17 51	0 47	20 50	0 11	22 7	0 2	22 14	0 59	14 32	8 44	21 29	21 26	18 2	17 59	5 24	
F 3	22 0	1 16	4 34	17 29	1 25	11 24	1 57	23 35	0 37	17 48	0 47	20 51	0 11	22 7	0 2	22 14	0 59	14 32	8 44	21 29	21 25	17 59	17 59	5 24	
S 4	22 9	4s44	3 48	17 57	1 18	11 48	1 57	23 39	0 38	17 45	0 47	20 52	0 11	22 8	0 2	22 14	0 59	14 32	8 44	21 29	21 25	17 57	17 59	5 24	
S 5	22 17	10 26	2 50	18 24	1 11	12 12	1 57	23 43	0 38	17 42	0 47	20 52	0 11	22 8	0 2	22 14	0 59	14 32	8 44	21 29	21 24	17 55	17 59	5 24	
M 6	22 24	15 35	1 43	18 51	1 4	12 36	1 56	23 47	0 39	17 39	0 47	20 53	0 11	22 9	0 2	22 14	0 59	14 32	8 44	21 29	21 24	17 53	18 0	5 24	
T 7	22 31	19 54	0 32	19 17	0 57	13 0	1 56	23 50	0 39	17 36	0 47	20 53	0 11	22 9	0 2	22 14	0 59	14 31	8 44	21 29	21 23	17 51	18 0	5 24	
W 8	22 38	23 10	0s40	19 43	0 50	13 23	1 55	23 53	0 40	17 33	0 47	20 54	0 11	22 10	0 2	22 14	0 59	14 31	8 44	21 29	21 23	17 49	18 0	5 24	
T 9	22 45	25 11	1 48	20 8	0 42	13 46	1 54	23 56	0 40	17 30	0 47	20 55	0 11	22 10	0 2	22 14	0 59	14 31	8 44	21 29	21 22	17 47	18 0	5 24	
F 10	22 50	25 54	2 50	20 32	0 35	14 9	1 54	23 58	0 41	17 27	0 47	20 55	0 11	22 11	0 2	22 14	0 59	14 31	8 44	21 29	21 22	17 44	18 0	5 24	
S 11	22 56	25 19	3 43	20 55	0 28	14 32	1 53	24 1	0 41	17 24	0 46	20 56	0 10	22 11	0 2	22 13	0 59	14 31	8 44	21 29	21 21	17 42	18 0	5 24	
S 12	23 1	23 32	4 25	21 17	0 21	14 54	1 52	24 3	0 42	17 21	0 46	20 57	0 10	22 12	0 2	22 13	0 59	14 31	8 44	21 28	21 21	17 40	18 0	5 24	
M13	23 5	20 44	4 55	21 39	0 13	15 15	1 51	24 5	0 42	17 18	0 46	20 58	0 10	22 12	0 2	22 13	0 59	14 31	8 44	21 28	21 20	17 38	18 0	5 24	
T 14	23 9	17 6	5 12	21 59	0 6	15 37	1 50	24 6	0 43	17 14	0 46	20 58	0 10	22 13	0 2	22 13	0 59	14 31	8 44	21 28	21 19	17 36	18 0	5 24	
W15	23 13	12 48	5 15	22 19	0s 1	15 58	1 48	24 8	0 43	17 11	0 46	20 59	0 10	22 13	0 2	22 13	0 59	14 31	8 44	21 28	21 19	17 34	18 0	5 24	
T 16	23 16	8 1	5 6	22 37	0 8	16 18	1 47	24 9	0 44	17 8	0 46	21 0	0 10	22 14	0 2	22 13	0 59	14 31	8 44	21 27	21 18	17 32	18 0	5 24	
F 17	23 19	2 52	4 42	22 54	0 15	16 39	1 46	24 9	0 44	17 4	0 46	21 1	0 10	22 14	0 2	22 13	0 59	14 31	8 44	21 27	21 18	17 29	18 0	5 24	
S 18	23 21	2n28	4 6	23 10	0 21	16 59	1 44	24 10	0 45	17 1	0 46	21 2	0 10	22 15	0 2	22 13	0 59	14 31	8 44	21 28	21 17	17 27	18 0	5 25	
S 19	23 23	7 51	3 17	23 25	0 28	17 18	1 43	24 10	0 45	16 57	0 46	21 2	0 10	22 15	0 2	22 13	0 59	14 31	8 44	21 28	21 17	17 25	18 0	5 25	
M20	23 24	13 3	2 17	23 39	0 34	17 37	1 42	24 10	0 46	16 54	0 46	21 3	0 10	22 16	0 2	22 12	0 59	14 31	8 44	21 28	21 16	17 23	18 0	5 25	
T 21	23 25	17 49	1 8	23 51	0 41	17 55	1 40	24 10	0 46	16 50	0 46	21 4	0 9	22 16	0 2	22 12	0 59	14 31	8 44	21 28	21 16	17 21	18 0	5 25	
W22	23 25	21 48	0n 7	24 3	0 47	18 13	1 38	24 10	0 47	16 47	0 46	21 5	0 9	22 17	0 2	22 12	0 59	14 31	8 44	21 28	21 15	17 18	18 0	5 25	
T 23	23 25	24 36	1 24	24 13	0 53	18 31	1 37	24 9	0 47	16 43	0 46	21 6	0 9	22 17	0 2	22 12	0 59	14 31	8 44	21 28	21 14	17 16	18 0	5 25	
F 24	23 24	25 51	2 36	24 22	0 59	18 48	1 35	24 8	0 47	16 39	0 46	21 7	0 9	22 18	0 2	22 12	0 59	14 31	8 44	21 28	21 14	17 14	18 0	5 25	
S 25	23 23	25 19	3 40	24 29	1 5	19 5	1 33	24 6	0 48	16 36	0 46	21 7	0 9	22 18	0 2	22 12	0 59	14 31	8 43	21 27	21 13	17 12	18 0	5 25	
S 26	23 22	23 2	4 30	24 36	1 10	19 21	1 31	24 5	0 48	16 32	0 46	21 8	0 9	22 18	0 2	22 12	0 59	14 31	8 43	21 27	21 13	17 9	18 0	5 25	
M27	23 20	19 12	5 1	24 41	1 16	19 36	1 29	24 3	0 49	16 28	0 46	21 9	0 9	22 19	0 2	22 12	0 59	14 31	8 43	21 26	21 12	17 7	18 0	5 26	
T 28	23 17	14 15	5 13	24 44	1 21	19 52	1 27	24 1	0 49	16 24	0 46	21 10	0 9	22 19	0 2	22 11	0 59	14 31	8 43	21 26	21 12	17 5	17 59	5 26	
W29	23 14	8 34	5 4	24 46	1 26	20 6	1 25	23 59	0 50	16 21	0 46	21 11	0 9	22 20	0 2	22 11	0 59	14 31	8 43	21 25	21 11	17 3	17 59	5 26	
T 30	23 11	2 33	4 38	24 47	1 31	20 20	1 23	23 56	0 50	16 17	0 46	21 12	0 9	22 20	0 2	22 11	0 59	14 31	8 43	21 25	21 11	17 1	17 59	5 26	
F 31	23s 7	3s28	3n55	24s47	1s35	20s33	1n21	23s53	0s50	16s13	0s46	21n13	0s 8	22s21	0n 2	22s11	0n59	14n31	8s43	21n25	21n10	16s58	17s59	5n26	