



Astrodienst Ephemeris Tables for the year 2154

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 2154

geocentric

JANUARY 2154

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 42 38	10°32'21"	23°02' 2	0°07' 7	18°38'48"	26°38'38"	20°19' 2	23°R13	21°47'43"	12°38'32"	24°R55	27°R22	26°V32	19°8'25"	17°38'38"	T 1
W 2	6 46 35	11°30'28"	5°04'47"	1° 5' 20° 4	27°25'	20° 6	23°01'10"	21°46'	12°34'	24°II54	27°V 9	26°29'	19°31'	17°44'	W 2	
T 3	6 50 31	12°31'35"	18°44'	1°56'	21°19'	28°12'	20°10'	23° 7	21°50'	12°37'	24°53'	26°58'	26°25'	19°38'	T 3	
F 4	6 54 28	13°32'43"	1°05'51"	2°41'	22°34'	28°59'	20°14'	23° 4	21°53'	12°39'	24°52'	26°49'	26°22'	19°45'	F 4	
S 5	6 58 25	14°33'50"	15°10'	3°17'	23°50'	29°46'	20°18'	23° 1	21°57'	12°41'	24°51'	26°43'	26°19'	19°51'	S 5	
S 6	7 2 21	15°34'58"	28°41'	3°45'	25° 5	0°03'32"	20°22'	22°58'	22° 0	12°43'	24°49'	26°40'	26°16'	19°58'	S 6	
M 7	7 6 18	16°36'07"	12°24'24"	4° 3' 26°20'	1°19'	20°27'	22°54'	22° 4	12°46'	24°48'	26°D39	26°13'	20° 5	18°13'	M 7	
T 8	7 10 14	17°37'15"	26°20'	4°R10	27°36'	2° 6	20°32'	22°51'	22° 7	12°48'	24°47'	26°R39	26°10'	20°11'	T 8	
W 9	7 14 11	18°38'24"	10°02'29"	4° 7' 28°51'	2°53'	20°37'	22°47'	22°10'	12°50'	24°46'	26°39'	26° 6	20°18'	18°25'	W 9	
T 10	7 18 7	19°39'34"	24°51'	3°51'	0°03' 7	3°40'	20°42'	22°43'	22°14'	12°53'	24°45'	26°37'	26° 3	20°25'	T 10	
F 11	7 22 4	20°40'43"	9°07'24"	3°24'	1°22'	4°27'	20°47'	22°40'	22°17'	12°55'	24°44'	26°32'	26° 0	20°31'	F 11	
S 12	7 26 0	21°41'53"	24° 1'	2°44'	2°37'	5°15'	20°53'	22°36'	22°21'	12°57'	24°43'	26°24'	25°57'	20°38'	S 12	
S 13	7 29 57	22°43'02"	8°38'38"	1°54'	3°53'	6° 2	20°59'	22°32'	22°24'	12°59'	24°42'	26°13'	25°54'	20°45'	S 13	
M14	7 33 54	23°44'11"	23° 6	0°55'	5° 8	6°49'	21° 5	22°28'	22°27'	13° 2	24°41'	26° 1	25°51'	20°51'	M14	
T 15	7 37 50	24°45'20"	7°09'19"	29°34'47"	6°23'	7°36'	21°11'	22°24'	22°30'	13° 4	24°40'	25°48'	25°47'	20°58'	T 15	
W16	7 41 47	25°46'28"	21°10'	28°33'	7°39'	8°23'	21°17'	22°20'	22°34'	13° 6	24°39'	25°36'	25°44'	21° 5	W16	
T 17	7 45 43	26°47'36"	4°37'37"	27°15'	8°54'	9°10'	21°23'	22°16'	22°37'	13° 8	24°38'	25°26'	25°41'	21°11'	T 17	
F 18	7 49 40	27°48'43"	17°39'	25°56'	10° 9	9°58'	21°30'	22°12'	22°40'	13°10'	24°37'	25°19'	25°38'	21°18'	F 18	
S 19	7 53 36	28°49'50"	0°V17	24°38'	11°25'	10°45'	21°37'	22° 8	22°43'	13°13'	24°36'	25°15'	25°35'	21°25'	S 19	
S 20	7 57 33	29°50'56"	12°35'	23°23'	12°40'	11°32'	21°44'	22° 3	22°46'	13°15'	24°35'	25°13'	25°31'	21°31'	S 20	
M21	8 1 29	0°05'21'01"	24°37'	22°14'	13°55'	12°19'	21°51'	21°59'	22°49'	13°17'	24°34'	25°13'	25°28'	21°38'	M21	
T 22	8 5 26	1°53'05"	6°08'29"	21°12'	15°10'	13° 7	21°58'	21°55'	22°52'	13°19'	24°33'	25°13'	25°25'	21°45'	T 22	
W23	8 9 23	2°54'08"	18°17'	20°18'	16°26'	13°54'	22° 5	21°50'	22°55'	13°21'	24°33'	25°12'	25°22'	21°51'	W23	
T 24	8 13 19	3°55'11"	0°II 6	19°33'	17°41'	14°41'	22°13'	21°46'	22°58'	13°24'	24°32'	25° 9	25°19'	21°58'	T 24	
F 25	8 17 16	4°56'12"	12° 1	18°58'	18°56'	15°29'	22°20'	21°41'	23° 1	13°26'	24°31'	25° 4	25°16'	22° 5	F 25	
S 26	8 21 12	5°57'13"	24° 7	18°31'	20°11'	16°16'	22°28'	21°36'	23° 4	13°28'	24°30'	24°56'	25°12'	22°11'	S 26	
S 27	8 25 9	6°58'13"	6°08'25"	18°13'	21°26'	17° 3	22°36'	21°32'	23° 7	13°30'	24°29'	24°45'	25° 9	22°18'	S 27	
M28	8 29 5	7°59'12"	19° 0	18° 5	22°41'	17°51'	22°44'	21°27'	23°10'	13°32'	24°28'	24°33'	25° 6	22°25'	M28	
T 29	8 33 2	9° 0'10"	1°02'50"	18°D 4	23°57'	18°38'	22°53'	21°22'	23°13'	13°34'	24°28'	24°19'	25° 3	22°31'	T 29	
W30	8 36 58	10° 1'07"	14°56'	18°11'	25°12'	19°25'	23° 1	21°18'	23°16'	13°36'	24°27'	24° 6	25° 0	22°38'	W30	
T 31	8 40 55	11°02'03"	28°02'16"	18°32'26"	26°02'27"	20°02'13"	23°V10	21°02'13"	23°02'18"	13°38'	24°II26	23°V55	24°V57	22°02'45"	T 31	

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	23s 0	26n23	5n 0	21s18	1s13	23s 5	0s59	21s53	1s 5	6n38	1s17	14n49	1n 6	23s14	0s 5	T 1
W 2	22 55	23 37	4 58	20 55	1 2	22 56	1 1	21 44	1 5	6 40	1 17	14 50	1 6	23 15	0 5	W 2
T 3	22 50	19 38	4 40	20 32	0 50	22 46	1 3	21 35	1 5	6 41	1 17	14 51	1 6	23 15	0 5	T 3
F 4	22 44	14 39	4 7	20 9	0 37	22 35	1 4	21 25	1 6	6 43	1 17	14 52	1 7	23 15	0 5	F 4
S 5	22 38	8 55	3 21	19 46	0 22	22 24	1 6	21 15	1 6	6 45	1 16	14 53	1 7	23 15	0 5	S 5
S 6	22 31	2 42	2 22	19 25	0 7	22 13	1 8	21 5	1 6	6 47	1 16	14 55	1 7	23 16	0 5	S 6
M 7	22 23	3s45	1 15	19 4	0n10	22 0	1 9	20 55	1 6	6 49	1 16	14 56	1 7	23 16	0 5	M 7
T 8	22 16	10 8	0 2	18 46	0 27	21 47	1 11	20 45	1 6	6 51	1 15	14 57	1 7	23 16	0 5	T 8
W 9	22 8	16 6	1s12	18 29	0 45	21 33	1 12	20 34	1 6	6 53	1 15	14 58	1 8	23 16	0 5	W 9
T 10	21 59	21 17	2 23	18 14	1 4	21 19	1 14	20 23	1 6	6 55	1 15	15 0	1 8	23 16	0 5	T 10
F 11	21 50	25 13	3 25	18 2	1 23	21 4	1 15	20 12	1 6	6 58	1 14	15 1	1 8	23 17	0 5	F 11
S 12	21 40	27 31	4 14	17 52	1 42	20 48	1 17	20 1	1 6	7 0	1 14	15 3	1 8	23 17	0 5	S 12
S 13	21 31	27 54	4 46	17 46	2 1	20 32	1 18	19 49	1 6	7 2	1 14	15 4	1 8	23 17	0 5	S 13
M14	21 20	26 22	5 0	17 41	2 18	20 15	1 19	19 37	1 6	7 5	1 14	15 5	1 8	23 17	0 5	M14
T 15	21 10	23 10	4 54	17 40	2 35	19 57	1 20	19 25	1 6	7 7	1 13	15 7	1 9	23 17	0 5	T 15
W16	20 58	18 42	4 31	17 40	2 49	19 39	1 21	19 13	1 6	7 10	1 13	15 8	1 9	23 18	0 5	W16
T 17	20 47	13 26	3 54	17 43	3 2	19 21	1 22	19 0	1 6	7 13	1 13	15 10	1 9	23 18	0 5	T 17
F 18	20 35	7 43	3 5	17 48	3 12	19 2	1 23	18 48	1 6	7 15	1 12	15 11	1 9	23 18	0 5	F 18
S 19	20 23	1 51	2 8	17 54	3 20	18 42	1 24	18 35	1 6	7 18	1 12	15 13	1 9	23 18	0 5	S 19
S 20	20 10	3n57	1 6	18 2	3 25	18 22	1 25	18 22	1 6	7 21	1 12	15 14	1 9	23 18	0 5	S 20
M21	19 57	9 29	0 3	18 10	3 28	18 1	1 26	18 9	1 6	7 24	1 12	15 16	1 9	23 19	0 5	M21
T 22	19 44	14 36	0n59	18 19	3 28	17 40	1 27	17 55	1 6	7 27	1 11	15 18	1 10	23 19	0 5	T 22
W23	19 30	19 10	1 59	18 29	3 26	17 18	1 28	17 42	1 6	7 30	1 11	15 19	1 10	23 19	0 5	W23
T 24	19 16	22 59	2 54	18 39	3 23	16 55	1 28	17 28	1 6	7 33	1 11	15 21	1 10	23 19	0 5	T 24
F 25	19 1	25 52	3 41	18 50	3 17	16 33	1 29	17 14	1 6	7 36	1 11	15 22	1 10	23 19	0 5	F 25
S 26	18 46	27 36	4 19	19 0	3 10	16 10	1 29	16 59	1 6	7 39	1 10	15 24	1 10	23 19	0 5	S 26
S 27	18 31	28 1	4 46	19 10	3 2	15 46	1 30	16 45	1 5	7 42	1 10	15 26	1 10	23 20	0 5	S 27
M28	18 15	27 1	4 59	19 20	2 54	15 22	1 30	16 31	1 5	7 45	1 10	15 27	1 10	23 20	0 5	M28
T 29	18 0	24 35	4 58	19 30	2 44	14 57	1 31	16 16	1 5	7 49	1 10	15 29	1 11	23 20	0 5	T 29
W30	17 43	20 49	4 41	19 39	2 34	14 32	1 31	16 1	1 5	7 52	1 9	15 30	1 11	23 20	0 5	W30
T 31	17s27	15n57	4n 9	19s47	2n23	14s 7	1s31	15s46	1s 5	7n56	1s 9	15n32	1n11	23s20	0s 5	T 31

Julian Day Number = 2507792.5, Delta T = 124.45 sec
 Ecliptic obliquity = 23°25'17", Nutation = - 0°00'07", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 26°53'32", Lahiri = 26°00'32"

ASTRODIENST EPHEMERIS for the year 2154

geocentric

FEBRUARY 2154

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 44 52	12° 2' 59"	11° 48' 48"	18° 34' 47"	27° 42' 42"	21° 0' 0"	23° 18' 18"	21° 8' 8"	23° 21' 21"	13° 40' 40"	24° 25' 25"	23° 46' 46"	24° 53' 53"	22° 51' 51"	20° 38' 38"	F 1
S 2	8 48 48	13° 3' 53"	25° 29' 29"	19° 14' 14"	28° 57' 57"	21° 48' 48"	23° 27' 27"	21° 6' 6"	23° 24' 24"	13° 43' 43"	24° 12' 12"	23° 40' 40"	24° 50' 50"	22° 58' 58"	20° 43' 43"	S 2
S 3	8 52 45	14° 4' 47"	9° 18' 18"	19° 46' 46"	0° 12' 12"	22° 35' 35"	23° 36' 36"	20° 59' 59"	23° 27' 27"	13° 45' 45"	24° 24' 24"	23° 37' 37"	24° 47' 47"	23° 5' 5"	20° 49' 49"	S 3
M 4	8 56 41	15° 5' 40"	23° 12' 12"	20° 24' 24"	1° 27' 27"	23° 23' 23"	23° 45' 45"	20° 54' 54"	23° 29' 29"	13° 47' 47"	24° 23' 23"	23° D36	24° 44' 44"	23° 11' 11"	20° 54' 54"	M 4
T 5	9 0 38	16° 6' 32"	7° 12' 12"	21° 6' 6"	2° 42' 42"	24° 10' 10"	23° 55' 55"	20° 49' 49"	23° 32' 32"	13° 49' 49"	24° 22' 22"	23° 37' 37"	24° 41' 41"	23° 18' 18"	21° 0' 0"	T 5
W 6	9 4 34	17° 7' 23"	21° 16' 16"	21° 53' 53"	3° 57' 57"	24° 57' 57"	24° 4' 4"	20° 44' 44"	23° 34' 34"	13° 51' 51"	24° 22' 22"	23° R37	24° 37' 37"	23° 25' 25"	21° 5' 5"	W 6
T 7	9 8 31	18° 8' 14"	5° 25' 25"	22° 43' 43"	5° 12' 12"	25° 45' 45"	24° 14' 14"	20° 39' 39"	23° 37' 37"	13° 53' 53"	24° 21' 21"	23° 36' 36"	24° 34' 34"	23° 31' 31"	21° 10' 10"	T 7
F 8	9 12 27	19° 9' 04"	19° 36' 36"	23° 37' 37"	6° 27' 27"	26° 32' 32"	24° 23' 23"	20° 34' 34"	23° 39' 39"	13° 55' 55"	24° 20' 20"	23° 32' 32"	24° 31' 31"	23° 38' 38"	21° 16' 16"	F 8
S 9	9 16 24	20° 9' 54"	3° 34' 34"	24° 33' 33"	7° 42' 42"	27° 20' 20"	24° 33' 33"	20° 29' 29"	23° 42' 42"	13° 56' 56"	24° 20' 20"	23° 26' 26"	24° 28' 28"	23° 45' 45"	21° 21' 21"	S 9
S 10	9 20 21	21° 10' 42"	17° 55' 55"	25° 33' 33"	8° 57' 57"	28° 7' 7"	24° 43' 43"	20° 24' 24"	23° 44' 44"	13° 58' 58"	24° 19' 19"	23° 17' 17"	24° 25' 25"	23° 51' 51"	21° 26' 26"	S 10
M 11	9 24 17	22° 11' 29"	1° 56' 56"	26° 36' 36"	10° 12' 12"	28° 55' 55"	24° 53' 53"	20° 19' 19"	23° 46' 46"	14° 0' 0"	24° 19' 19"	23° 7' 7"	24° 22' 22"	23° 58' 58"	21° 32' 32"	M 11
T 12	9 28 14	23° 12' 15"	15° 45' 45"	27° 41' 41"	11° 27' 27"	29° 42' 42"	25° 3' 3"	20° 15' 15"	23° 49' 49"	14° 2' 2"	24° 18' 18"	22° 56' 56"	24° 18' 18"	24° 5' 5"	21° 37' 37"	T 12
W 13	9 32 10	24° 13' 00"	29° 18' 18"	28° 48' 48"	12° 41' 41"	0° 30' 30"	25° 13' 13"	20° 10' 10"	23° 51' 51"	14° 4' 4"	24° 18' 18"	22° 46' 46"	24° 15' 15"	24° 11' 11"	21° 42' 42"	W 13
T 14	9 36 7	25° 13' 43"	12° 32' 32"	29° 57' 57"	13° 56' 56"	1° 17' 17"	25° 24' 24"	20° 5' 5"	23° 53' 53"	14° 6' 6"	24° 17' 17"	22° 38' 38"	24° 12' 12"	24° 18' 18"	21° 47' 47"	T 14
F 15	9 40 3	26° 14' 24"	25° 26' 26"	1° 8' 8"	15° 11' 11"	2° 5' 5"	25° 34' 34"	20° 0' 0"	23° 55' 55"	14° 8' 8"	24° 17' 17"	22° 32' 32"	24° 9' 9"	24° 25' 25"	21° 53' 53"	F 15
S 16	9 44 0	27° 15' 05"	8° 1' 1"	2° 21' 21"	16° 26' 26"	2° 52' 52"	25° 45' 45"	19° 55' 55"	23° 57' 57"	14° 9' 9"	24° 16' 16"	22° 29' 29"	24° 6' 6"	24° 31' 31"	21° 58' 58"	S 16
S 17	9 47 56	28° 15' 43"	20° 18' 18"	3° 36' 36"	17° 41' 41"	3° 40' 40"	25° 55' 55"	19° 50' 50"	24° 0' 0"	14° 11' 11"	24° 16' 16"	22° D27	24° 3' 3"	24° 38' 38"	22° 3' 3"	S 17
M 18	9 51 53	29° 16' 20"	2° 21' 21"	4° 52' 52"	18° 55' 55"	4° 27' 27"	26° 6' 6"	19° 45' 45"	24° 2' 2"	14° 13' 13"	24° 15' 15"	22° 28' 28"	23° 59' 59"	24° 45' 45"	22° 8' 8"	M 18
T 19	9 55 50	0° 16' 56"	14° 15' 15"	6° 10' 10"	20° 10' 10"	5° 15' 15"	26° 17' 17"	19° 41' 41"	24° 4' 4"	14° 15' 15"	24° 15' 15"	22° 29' 29"	23° 56' 56"	24° 51' 51"	22° 13' 13"	T 19
W 20	9 59 46	1° 17' 30"	26° 4' 4"	7° 29' 29"	21° 25' 25"	6° 2' 2"	26° 28' 28"	19° 36' 36"	24° 6' 6"	14° 16' 16"	24° 15' 15"	22° R30	23° 53' 53"	24° 58' 58"	22° 18' 18"	W 20
T 21	10 3 43	2° 18' 01"	7° 11' 54"	8° 50' 50"	22° 39' 39"	6° 49' 49"	26° 39' 39"	19° 31' 31"	24° 7' 7"	14° 18' 18"	24° 14' 14"	22° 30' 30"	23° 50' 50"	25° 5' 5"	22° 22' 22"	T 21
F 22	10 7 39	3° 18' 32"	19° 50' 50"	10° 12' 12"	23° 54' 54"	7° 37' 37"	26° 51' 51"	19° 27' 27"	24° 9' 9"	14° 20' 20"	24° 14' 14"	22° 28' 28"	23° 47' 47"	25° 11' 11"	22° 27' 27"	F 22
S 23	10 11 36	4° 19' 00"	1° 57' 57"	11° 35' 35"	25° 8' 8"	8° 24' 24"	27° 2' 2"	19° 22' 22"	24° 11' 11"	14° 21' 21"	24° 14' 14"	22° 24' 24"	23° 43' 43"	25° 18' 18"	22° 32' 32"	S 23
S 24	10 15 32	5° 19' 27"	14° 20' 20"	13° 0' 0"	26° 23' 23"	9° 12' 12"	27° 13' 13"	19° 17' 17"	24° 13' 13"	14° 23' 23"	24° 13' 13"	22° 19' 19"	23° 40' 40"	25° 25' 25"	22° 37' 37"	S 24
M 25	10 19 29	6° 19' 52"	27° 0' 0"	14° 25' 25"	27° 37' 37"	9° 59' 59"	27° 25' 25"	19° 13' 13"	24° 15' 15"	14° 25' 25"	24° 13' 13"	22° 11' 11"	23° 37' 37"	25° 31' 31"	22° 41' 41"	M 25
T 26	10 23 25	7° 20' 14"	10° 2' 2"	15° 52' 52"	28° 52' 52"	10° 46' 46"	27° 36' 36"	19° 8' 8"	24° 16' 16"	14° 26' 26"	24° 13' 13"	22° 3' 3"	23° 34' 34"	25° 38' 38"	22° 46' 46"	T 26
W 27	10 27 22	8° 20' 36"	23° 23' 23"	17° 20' 20"	0° 6' 6"	11° 34' 34"	27° 48' 48"	19° 4' 4"	24° 18' 18"	14° 28' 28"	24° 13' 13"	21° 56' 56"	23° 31' 31"	25° 45' 45"	22° 51' 51"	W 27
T 28	10 31 19	9° 20' 55"	7° 4' 4"	18° 49' 49"	1° 21' 21"	12° 21' 21"	28° 1' 1"	18° 59' 59"	24° 19' 19"	14° 29' 29"	24° 12' 12"	21° 49' 49"	23° 28' 28"	25° 51' 51"	22° 55' 55"	T 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
F 1	17s10	10n15	3n22	19s55	2n13	13s41	1s31	15s31	1s 5	7n59	1s 9	15n34	1n11	23s20	0s 5	21s51	0n52	15n13	8s 6	9n13	9n38	20n49	15s35	6n20			
S 2	16 53	3 59	2 23	20 2	2 2	13 15	1 31	15 15	1 5	8 2	1 9	15 35	1 11	23 20	0 5	21 51	0 52	15 13	8 6	9 11	9 37	20 51	15 34	6 20			
S 3	16 35	2s32	1 15	20 9	1 51	12 49	1 31	15 0	1 5	8 6	1 8	15 37	1 11	23 21	0 5	21 51	0 52	15 13	8 6	9 10	9 35	20 54	15 33	6 20			
M 4	16 18	8 59	0 2	20 14	1 39	12 22	1 31	14 44	1 5	8 10	1 8	15 39	1 11	23 21	0 5	21 51	0 52	15 13	8 5	9 10	9 34	20 56	15 32	6 20			
T 5	16 0	15 2	1s12	20 19	1 28	11 55	1 31	14 28	1 4	8 13	1 8	15 40	1 11	23 21	0 5	21 50	0 52	15 13	8 5	9 10	9 33	20 58	15 31	6 21			
W 6	15 42	20 21	2 22	20 22	1 17	11 28	1 31	14 12	1 4	8 17	1 8	15 42	1 11	23 21	0 5	21 50	0 52	15 14	8 5	9 10	9 32	21 1	15 30	6 21			
T 7	15 23	24 31	3 23	20 25	1 7	11 0	1 30	13 56	1 4	8 21	1 7	15 44	1 12	23 21	0 5	21 50	0 52	15 14	8 5	9 9	9 31	21 3	15 29	6 21			
F 8	15 4	27 12	4 12	20 26	0 56	10 32	1 30	13 40	1 4	8 24	1 7	15 45	1 12	23 21	0 5	21 50	0 52	15 14	8 5	9 8	9 30	21 6	15 28	6 21			
S 9	14 45	28 8	4 46	20 27	0 45	10 4	1 30	13 23	1 4	8 28	1 7	15 47	1 12	23 21	0 5	21 49	0 52	15 14	8 4	9 6	9 29	21 8	15 26	6 22			
S 10	14 26	27 13	5 2	20 26	0 35	9 35	1 29	13 7	1 4	8 32	1 7	15 49	1 12	23 22	0 5	21 49	0 52	15 14	8 4	9 2	9 27	21 11	15 25	6 22			
M 11	14 6	24 35	5 0	20 25	0 25	9 6	1 29	12 50	1 3	8 36	1 7	15 50	1 12	23 22	0 5	21 49	0 52	15 14	8 4	8 59	9 26	21 13	15 24	6 22			
T 12	13 46	20 33	4 40	20 22	0 15	8 37	1 28	12 33	1 3	8 40	1 6	15 52	1 12	23 22	0 5	21 49	0 52	15 15	8 4	8 55	9 25	21 15	15 23	6 23			
W 13	13 26	15 32	4 5	20 17	0 6	8 8	1 27	12 16	1 3	8 44	1 6	15 54	1 12	23 22	0 5	21 49	0 52	15 15	8 4	8 51	9 24	21 18	15 22	6 23			
T 14	13 6	9 53	3 17	20 12	0s 3	7 39	1 27	11 59	1 3	8 48	1 6	15 55	1 12	23 22	0 5	21 48	0 52	15 15	8 3	8 48	9 23	21 20	15 21	6 23			
F 15	12 46	3 57	2 20	20 6	0 13	7 9	1 26	11 42	1 3	8 52	1 6	15 57	1 12	23 22	0 5	21 48	0 52	15 15	8 3	8 46	9 22	21 23	15 20	6 23			
S 16	12 25	2n 0	1 17	19 58	0 21	6 39	1 25	11 25	1 2	8 56	1 5	15 58	1 12	23 22	0 5	21 48	0 52	15 15	8 3	8 44	9 20	21 25	15 19	6 24			
S 17	12 4	7 45	0 12	19 49	0 30	6 9	1 24	11 7	1 2	9 0	1 5	16 0	1 12	23 22	0 5	21 48	0 52	15 15	8 3	8 44	9 19	21 27	15 18	6 24			
M 18	11 43	13 7	0n53	19 39	0 38	5 39	1 23	10 50	1 2	9 4	1 5	16 2	1 13	23 22	0 5	21 48	0 52	15 16	8 3	8 44	9 18	21 30	15 17	6 24			
T 19	11 22	17 56	1 55	19 27	0 46	5 9	1 22	10 32	1 2	9 8	1 5	16 3	1 13	23 23	0 5	21 47	0 52	15 16	8 2	8 45	9 17	21 32	15 16	6 25			
W 20	11 0	22 1	2 51	19 15	0 53	4 38	1 21	10 15	1 1	9 12	1 5	16 5	1 13	23 23	0 5	21 47	0 52	15 16	8 2	8 45	9 16	21 35	15 15	6 25			
T 21	10 39	25 14	3 40	19 1	1 1	4 8	1 19	9 57	1 1	9 16	1 4	16 6	1 13	23 23	0 5	21 47	0 52	15 16	8 2	8 45	9 14	21 37	15 13	6 25			
F 22	10 17	27 21	4 20	18 45	1 7	3 37	1 18	9 39	1 1	9 20	1 4	16 8	1 13	23 23	0 5	21 47	0 52	15 16	8 2	8 44	9 13	21 39	15 12	6 26			
S 23	9 55	28 13	4 49	18 29	1 14	3 6	1 17	9 21	1 1	9 25	1 4	16 9	1 13	23 23	0 5	21 47	0 52	15 17	8 2	8 43	9 12	21 42	15 11	6 26			
S 24	9 33	27 42	5 5	18 11	1 20	2 35	1 15	9 3	1 0	9 29	1 4	16 11	1 13	23 23	0 5	21 47	0 53	15 17	8 1	8 41	9 11	21 44	15 10	6 27			
M 25	9 11	25 45	5 7	17 52	1 26	2 4	1 14	8 45	1 0	9 33	1 4	16 12	1 13	23 23	0 5	21 46	0 53	15 17	8 1	8 38	9 10	21 46	15 9	6 27			
T 26	8 49	22 25	4 53	17 32	1 32	1 3	1 12	8 27	1 0	9 38	1 3	16 14	1 13	23 23	0 5	21 46	0 53	15 17	8 1	8 35	9 9	21 49	15 8	6 27			
W 27	8 26	17 51	4 23	17 10	1 37	1 2	1 11	8 8	1 0	9 42	1 3	16 15	1 13	23 23	0 5	21 46	0 53	15 17	8 1	8 32	9 7	21 51	15 7	6 28			
T 28	8s 4	12n17	3n38	16s48	1s42	0s31	1s 9	7s50	0s59	9n46	1s 3	16n17	1n13	23s23	0s 5	21s46	0n53	15n18	8s 0	8n30	9n 6	21n53	15s 6	6n28			

ASTRODIENST EPHEMERIS for the year 2154
geocentric

MARCH 2154

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	10 35 15	10 ^h 21'13	21 ^m 0	20 ^s 19	2 ^h 35	13 ^h 8	28 ^m 12	18 ^s R55	24 ^h 21	14 ^h 31	24 ^m R12	21 ^m R43	23 ^m 24	25 ^h 58	23 ^h 30	F 1
S 2	10 39 12	11°21'28	5 ^m 8	21°50	3°49	13°56	28°24	18 ^h 50	24°22	14°32	24 ^m 12	21 ^m 40	23°21	26° 5	23° 4	S 2
S 3	10 43 8	12°21'43	19°24	23°22	5° 4	14°43	28°36	18°46	24°24	14°33	24°12	21°D39	23°18	26°11	23° 9	S 3
M 4	10 47 5	13°21'56	3 ^m 43	24°55	6°18	15°30	28°48	18°42	24°25	14°35	24°12	21°40	23°15	26°18	23°13	M 4
T 5	10 51 1	14°22'07	18° 1	26°30	7°32	16°18	29° 0	18°38	24°26	14°36	24°12	21°41	23°12	26°25	23°17	T 5
W 6	10 54 58	15°22'17	2 ^m 16	28° 5	8°46	17° 5	29°12	18°34	24°28	14°38	24°12	21°42	23° 9	26°31	23°21	W 6
T 7	10 58 54	16°22'26	16°25	29°42	10° 0	17°52	29°25	18°30	24°29	14°39	24°12	21°R43	23° 5	26°38	23°26	T 7
F 8	11 2 51	17°22'33	0 ^m 27	1 ^h 19	11°14	18°39	29°37	18°26	24°30	14°40	24°D12	21°42	23° 2	26°45	23°30	F 8
S 9	11 6 48	18°22'38	14°21	2°58	12°29	19°27	29°49	18°22	24°31	14°41	24°12	21°40	22°59	26°51	23°34	S 9
S 10	11 10 44	19°22'42	28° 5	4°38	13°43	20°14	0 ^h 2	18°18	24°32	14°43	24°12	21°36	22°56	26°58	23°38	S 10
M 11	11 14 41	20°22'44	11 ^m 39	6°18	14°57	21° 1	0°15	18°14	24°33	14°44	24°12	21°31	22°53	27° 5	23°42	M 11
T 12	11 18 37	21°22'45	25° 0	8° 0	16°11	21°48	0°27	18°10	24°34	14°45	24°12	21°26	22°49	27°11	23°46	T 12
W 13	11 22 34	22°22'44	8 ^h 8	9°43	17°24	22°35	0°40	18° 7	24°35	14°46	24°12	21°21	22°46	27°18	23°49	W 13
T 14	11 26 30	23°22'40	21° 1	11°28	18°38	23°22	0°53	18° 3	24°36	14°47	24°12	21°17	22°43	27°25	23°53	T 14
F 15	11 30 27	24°22'35	3 ^m 39	13°13	19°52	24°10	1° 6	18° 0	24°37	14°48	24°12	21°15	22°40	27°31	23°57	F 15
S 16	11 34 23	25°22'28	16° 3	15° 0	21° 6	24°57	1°19	17°56	24°38	14°49	24°12	21°D14	22°37	27°38	24° 0	S 16
S 17	11 38 20	26°22'19	28°15	16°47	22°20	25°44	1°32	17°53	24°38	14°50	24°12	21°14	22°34	27°45	24° 4	S 17
M 18	11 42 17	27°22'08	10 ^h 15	18°36	23°33	26°31	1°45	17°50	24°39	14°51	24°12	21°15	22°30	27°51	24° 7	M 18
T 19	11 46 13	28°21'55	22° 8	20°26	24°47	27°18	1°58	17°47	24°40	14°52	24°13	21°16	22°27	27°58	24°11	T 19
W 20	11 50 10	29°21'40	3 ^m 15	22°18	26° 1	28° 5	2°11	17°44	24°40	14°53	24°13	21°18	22°24	28° 5	24°14	W 20
T 21	11 54 6	0 ^h 21'22	15°48	24°10	27°14	28°52	2°25	17°41	24°41	14°54	24°13	21°20	22°21	28°11	24°18	T 21
F 22	11 58 3	1°21'02	27°43	26° 4	28°28	29°38	2°38	17°38	24°41	14°55	24°14	21°R20	22°18	28°18	24°21	F 22
S 23	12 1 59	2°20'40	9 ^m 39	27°59	29°41	0 ^h 25	2°51	17°35	24°41	14°56	24°14	21°20	22°14	28°25	24°24	S 23
S 24	12 5 56	3°20'16	22°10	29°55	0 ^h 54	1°12	3° 5	17°32	24°42	14°57	24°14	21°19	22°11	28°31	24°27	S 24
M 25	12 9 52	4°19'50	4 ^m 52	1°52	2° 8	1°59	3°18	17°30	24°42	14°57	24°15	21°17	22° 8	28°38	24°30	M 25
T 26	12 13 49	5°19'21	17°53	3°50	3°21	2°46	3°32	17°27	24°42	14°58	24°15	21°15	22° 5	28°45	24°33	T 26
W 27	12 17 46	6°18'50	1 ^m 20	5°49	4°34	3°32	3°45	17°25	24°42	14°59	24°15	21°13	22° 2	28°51	24°36	W 27
T 28	12 21 42	7°18'16	15°11	7°49	5°48	4°19	3°59	17°23	24°42	15° 0	24°16	21°11	21°59	28°58	24°39	T 28
F 29	12 25 39	8°17'41	29°23	9°50	7° 1	5° 6	4°13	17°21	24°42	15° 0	24°16	21°10	21°55	29° 5	24°41	F 29
S 30	12 29 35	9°17'03	13 ^m 54	11°52	8°14	5°52	4°26	17°18	24°R42	15° 1	24°17	21° 9	21°52	29°11	24°44	S 30
S 31	12 33 32	10 ^h 16'24	28 ^m 35	13 ^m 54	9 ^h 27	6 ^m 39	4 ^h 40	17 ^h 16	24 ^h 42	15 ^h 1	24 ^m 17	21°D 9	21 ^m 49	29 ^h 18	24 ^h 47	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	decl	lat
F 1	7s41	6n 0	2n38	16s24	1s47	0s 0	1s 7	7s32	0s59	9n51	1 s 3	16n18	1n13	23s23	0s 5	21s46	0n53	15n18	8s 0	8n28	9n 5	21n56	15s 5	6n28		
S 2	7 18	0s41	1 28	15 58	1 51	0n31	1 5	7 13	0 59	9 55	1 3	16 20	1 13	23 24	0 5	21 46	0 53	15 18	8 0	8 26	9 4	21 58	15 3	6 29		
S 3	6 55	7 24	0 12	15 32	1 55	1 2	1 3	6 55	0 58	10 0	1 3	16 21	1 13	23 24	0 5	21 45	0 53	15 18	8 0	8 26	9 3	22 0	15 2	6 29		
M 4	6 32	13 46	1s 5	15 4	1 58	1 33	1 2	6 36	0 58	10 4	1 2	16 22	1 13	23 24	0 5	21 45	0 53	15 19	8 0	8 26	9 2	22 3	15 1	6 30		
T 5	6 9	19 24	2 19	14 35	2 1	2 4	1 0	6 17	0 58	10 8	1 2	16 24	1 13	23 24	0 5	21 45	0 53	15 19	7 59	8 27	9 0	22 5	15 0	6 30		
W 6	5 46	23 55	3 23	14 4	2 4	2 36	0 58	5 59	0 57	10 13	1 2	16 25	1 13	23 24	0 5	21 45	0 53	15 19	7 59	8 27	8 59	22 7	14 59	6 31		
T 7	5 22	26 57	4 15	13 33	2 7	3 7	0 56	5 40	0 57	10 17	1 2	16 26	1 13	23 24	0 5	21 45	0 53	15 19	7 59	8 27	8 58	22 9	14 58	6 31		
F 8	4 59	28 16	4 51	13 0	2 9	3 38	0 53	5 21	0 57	10 22	1 2	16 27	1 13	23 24	0 5	21 45	0 53	15 19	7 59	8 27	8 57	22 12	14 57	6 31		
S 9	4 36	27 47	5 9	12 26	2 10	4 8	0 51	5 2	0 56	10 26	1 2	16 29	1 13	23 24	0 6	21 44	0 53	15 20	7 58	8 26	8 56	22 14	14 56	6 32		
S 10	4 12	25 35	5 10	11 51	2 11	4 39	0 49	4 43	0 56	10 31	1 1	16 30	1 13	23 24	0 6	21 44	0 53	15 20	7 58	8 25	8 55	22 16	14 55	6 32		
M11	3 49	21 58	4 53	11 14	2 12	5 10	0 47	4 25	0 56	10 36	1 1	16 31	1 13	23 24	0 6	21 44	0 53	15 20	7 58	8 23	8 53	22 19	14 53	6 33		
T 12	3 25	17 16	4 20	10 36	2 12	5 40	0 44	4 6	0 55	10 40	1 1	16 32	1 13	23 24	0 6	21 44	0 53	15 20	7 58	8 21	8 52	22 21	14 52	6 33		
W13	3 1	11 50	3 34	9 57	2 12	6 11	0 42	3 47	0 55	10 45	1 1	16 33	1 13	23 24	0 6	21 44	0 53	15 21	7 58	8 19	8 51	22 23	14 51	6 34		
T 14	2 38	5 59	2 38	9 17	2 11	6 41	0 40	3 28	0 54	10 49	1 1	16 34	1 14	23 24	0 6	21 44	0 53	15 21	7 57	8 18	8 50	22 25	14 50	6 34		
F 15	2 14	0 0	1 35	8 36	2 10	7 11	0 37	3 9	0 54	10 54	1 1	16 36	1 14	23 24	0 6	21 44	0 53	15 21	7 57	8 17	8 49	22 28	14 49	6 35		
S 16	1 50	5n53	0 28	7 53	2 9	7 41	0 35	2 50	0 54	10 59	1 0	16 37	1 14	23 24	0 6	21 43	0 53	15 21	7 57	8 16	8 47	22 30	14 48	6 35		
S 17	1 26	11 27	0n39	7 10	2 7	8 11	0 32	2 31	0 53	11 3	1 0	16 38	1 14	23 24	0 6	21 43	0 53	15 21	7 57	8 17	8 46	22 32	14 47	6 36		
M18	1 3	16 31	1 43	6 25	2 4	8 41	0 29	2 12	0 53	11 8	1 0	16 39	1 14	23 24	0 6	21 43	0 53	15 22	7 56	8 17	8 45	22 34	14 46	6 36		
T 19	0 39	20 54	2 42	5 39	2 1	9 11	0 27	1 53	0 52	11 13	1 0	16 40	1 14	23 24	0 6	21 43	0 53	15 22	7 56	8 18	8 44	22 37	14 45	6 37		
W20	0 15	24 26	3 34	4 52	1 58	9 40	0 24	1 34	0 52	11 17	1 0	16 40	1 14	23 25	0 6	21 43	0 53	15 22	7 56	8 18	8 43	22 39	14 44	6 37		
T 21	0n 8	26 56	4 17	4 3	1 54	10 9	0 21	1 15	0 52	11 22	1 0	16 41	1 14	23 25	0 6	21 43	0 53	15 22	7 56	8 19	8 42	22 41	14 43	6 38		
F 22	0 32	28 14	4 49	3 14	1 49	10 38	0 19	0 56	0 51	11 27	1 0	16 42	1 14	23 25	0 6	21 43	0 53	15 23	7 56	8 19	8 40	22 43	14 42	6 38		
S 23	0 56	28 12	5 9	2 24	1 44	11 6	0 16	0 36	0 51	11 31	1 0	16 43	1 14	23 25	0 6	21 43	0 53	15 23	7 55	8 19	8 39	22 45	14 41	6 39		
S 24	1 20	26 47	5 16	1 33	1 39	11 35	0 13	0 17	0 50	11 36	0 59	16 44	1 13	23 25	0 6	21 42	0 53	15 23	7 55	8 19	8 38	22 48	14 40	6 39		
M25	1 43	24 0	5 7	0 41	1 33	12 3	0 10	0n 2	0 50	11 41	0 59	16 45	1 13	23 25	0 6	21 42	0 53	15 23	7 55	8 18	8 37	22 50	14 39	6 40		
T 26	2 7	19 56	4 43	0n12	1 26	12 30	0 8	0 21	0 49	11 45	0 59	16 45	1 13	23 25	0 6	21 42	0 53	15 24	7 55	8 17	8 36	22 52	14 38	6 40		
W27	2 30	14 46	4 2	1 6	1 19	12 58	0 5	0 39	0 49	11 50	0 59	16 46	1 13	23 25	0 6	21 42	0 53	15 24	7 54	8 16	8 34	22 54	14 37	6 41		
T 28	2 54	8 42	3 6	2 1	1 11	13 25	0 2	0 58	0 48	11 55	0 59	16 47	1 13	23 25	0 6	21 42	0 53	15 24	7 54	8 16	8 33	22 56	14 36	6 41		
F 29	3 17	2 2	1 58	2 56	1 3	13 52	0n 1	1 17	0 48	12 0	0 59	16 47	1 13	23 25	0 6	21 42	0 53	15 24	7 54	8 15	8 32	22 58	14 35	6 42		
S 30	3 41	4s52	0 40	3 51	0 54	14 18	0 4	1 36	0 48	12 4	0 59	16 48	1 13	23 25	0 6	21 42	0 53	15 24	7 54	8 15	8 31	23 1	14 34	6 42		
S 31	4n 4	11s36	0s41	4n47	0s45	14n44	0n 7	1n55	0s47	12n 9	0s59	16n49	1n13	23s25	0s 6	21s42	0n53	15n25	7s54	8n15	8n30	23n 3	14s33	6n43		

ASTRODIENST EPHEMERIS for the year 2154

geocentric

MAY 2154

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	14 35 45	10♂40'11	22♂13	26♂51	16♂39	0♂25	11♂59	17♂7	24♂R16	15♂R 3	24♂II42	21♂R 4	20♂Y11	2♂II45	25♂Z28	W 1
T 2	14 39 41	11°38'29	6♂55	26°56	17°50	1°10	12°13	17° 9	24♂15	15♂Z 2	24°43	21♂Y 2	20° 7	2°52	25°R29	T 2
F 3	14 43 38	12°36'46	21°16	26°R56	19° 0	1°55	12°27	17°10	24°13	15° 2	24°44	21° 0	20° 4	2°58	25°29	F 3
S 4	14 47 35	13°35'02	5♂12	26°51	20°11	2°40	12°42	17°12	24°12	15° 1	24°45	20°59	20° 1	3° 5	25°28	S 4
S 5	14 51 31	14°33'16	18°43	26°41	21°21	3°25	12°56	17°14	24°10	15° 1	24°46	20°D59	19°58	3°12	25°28	S 5
M 6	14 55 28	15°31'28	1♂51	26°26	22°32	4°10	13°10	17°15	24° 8	15° 0	24°47	20°59	19°55	3°18	25°28	M 6
T 7	14 59 24	16°29'39	14°39	26° 7	23°42	4°55	13°25	17°17	24° 7	14°59	24°48	21° 1	19°52	3°25	25°28	T 7
W 8	15 3 21	17°27'48	27°10	25°44	24°53	5°40	13°39	17°19	24° 5	14°59	24°50	21° 3	19°48	3°32	25°27	W 8
T 9	15 7 17	18°25'56	9♂26	25°17	26° 3	6°25	13°53	17°22	24° 3	14°58	24°51	21° 4	19°45	3°38	25°27	T 9
F 10	15 11 14	19°24'03	21°33	24°47	27°13	7°10	14° 8	17°24	24° 1	14°57	24°52	21°R 4	19°42	3°45	25°26	F 10
S 11	15 15 10	20°22'08	3♂32	24°14	28°23	7°55	14°22	17°26	23°59	14°57	24°53	21° 4	19°39	3°52	25°26	S 11
S 12	15 19 7	21°20'11	15°25	23°40	29°33	8°40	14°36	17°29	23°57	14°56	24°54	21° 1	19°36	3°58	25°25	S 12
M13	15 23 4	22°18'13	27°16	23° 4	0♂42	9°25	14°51	17°31	23°55	14°55	24°55	20°58	19°32	4° 5	25°24	M13
T 14	15 27 0	23°16'13	9♂11	22°28	1°52	10° 9	15° 5	17°34	23°53	14°54	24°57	20°53	19°29	4°12	25°23	T 14
W15	15 30 57	24°14'12	20°56	21°52	3° 2	10°54	15°19	17°37	23°51	14°53	24°58	20°47	19°26	4°19	25°22	W15
T 16	15 34 53	25°12'09	2♂49	21°16	4°11	11°38	15°33	17°39	23°49	14°53	24°59	20°41	19°23	4°25	25°21	T 16
F 17	15 38 50	26°10'05	14°48	20°42	5°20	12°23	15°48	17°42	23°47	14°52	25° 0	20°35	19°20	4°32	25°20	F 17
S 18	15 42 46	27° 7'58	26°55	20° 9	6°30	13° 7	16° 2	17°45	23°45	14°51	25° 2	20°30	19°17	4°39	25°19	S 18
S 19	15 46 43	28° 5'50	9♂13	19°39	7°39	13°52	16°16	17°48	23°43	14°50	25° 3	20°27	19°13	4°45	25°18	S 19
M20	15 50 40	29° 3'41	21°47	19°12	8°48	14°36	16°30	17°52	23°41	14°49	25° 4	20°25	19°10	4°52	25°16	M20
T 21	15 54 36	0♂II 1'29	4♂40	18°48	9°57	15°20	16°44	17°55	23°39	14°48	25° 6	20°D25	19° 7	4°59	25°15	T 21
W22	15 58 33	0°59'16	17°55	18°27	11° 5	16° 5	16°58	17°58	23°36	14°47	25° 7	20°26	19° 4	5° 5	25°13	W22
T 23	16 2 29	1°57'01	1♂36	18°11	12°14	16°49	17°12	18° 2	23°34	14°46	25° 8	20°27	19° 1	5°12	25°12	T 23
F 24	16 6 26	2°54'45	15°43	17°58	13°22	17°33	17°26	18° 6	23°32	14°45	25° 9	20°R28	18°57	5°19	25°10	F 24
S 25	16 10 22	3°52'27	0♂17	17°50	14°31	18°17	17°40	18° 9	23°30	14°43	25°11	20°28	18°54	5°25	25° 8	S 25
S 26	16 14 19	4°50'07	15°13	17°D46	15°39	19° 1	17°54	18°13	23°27	14°42	25°12	20°26	18°51	5°32	25° 7	S 26
M27	16 18 15	5°47'46	0♂24	17°46	16°47	19°45	18° 8	18°17	23°25	14°41	25°13	20°22	18°48	5°39	25° 5	M27
T 28	16 22 12	6°45'24	15°42	17°51	17°55	20°29	18°22	18°21	23°23	14°40	25°15	20°16	18°45	5°45	25° 3	T 28
W29	16 26 9	7°43'01	0♂34	18° 1	19° 3	21°13	18°36	18°25	23°21	14°39	25°16	20° 9	18°42	5°52	25° 1	W29
T 30	16 30 5	8°40'37	15°52	18°15	20°10	21°57	18°50	18°29	23°18	14°38	25°17	20° 2	18°38	5°59	24°59	T 30
F 31	16 34 2	9♂II38'12	0♂26	18♂34	21♂18	22♂40	19♂ 4	18♂33	23♂16	14♂36	25♂II19	19♂Y56	18♂Y35	6♂II 6	24♂Z57	F 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	15n 1	27s47	4s36	21n54	2n32	24n22	1n37	11n 8	0s30	14n32	0s56	16n50	1n12	23s24	0s 6	21s41	0n54	15n32	7s48	8n13	7n53	24n 7	14s 7	7n 1					
T 2	15 19	28 20	5 6	21 48	2 25	24 31	1 40	11 24	0 30	14 36	0 56	16 50	1 12	23 24	0 6	21 41	0 54	15 32	7 47	8 12	7 52	24 9	14 7	7 2					
F 3	15 37	26 56	5 15	21 40	2 16	24 40	1 42	11 40	0 29	14 41	0 56	16 49	1 12	23 24	0 6	21 41	0 54	15 32	7 47	8 11	7 50	24 11	14 6	7 2					
S 4	15 54	23 53	5 6	21 29	2 6	24 48	1 44	11 57	0 29	14 45	0 56	16 49	1 12	23 24	0 6	21 41	0 54	15 32	7 47	8 11	7 49	24 13	14 6	7 3					
S 5	16 12	19 37	4 39	21 16	1 55	24 55	1 47	12 12	0 28	14 49	0 56	16 48	1 12	23 24	0 6	21 41	0 54	15 32	7 47	8 11	7 48	24 15	14 5	7 4					
M 6	16 29	14 31	3 59	21 0	1 43	25 1	1 49	12 28	0 27	14 54	0 56	16 48	1 12	23 24	0 6	21 41	0 54	15 33	7 47	8 11	7 47	24 16	14 5	7 4					
T 7	16 45	8 55	3 7	20 43	1 29	25 7	1 51	12 44	0 27	14 58	0 56	16 47	1 12	23 24	0 6	21 41	0 54	15 33	7 47	8 12	7 46	24 18	14 4	7 5					
W 8	17 2	3 5	2 8	20 23	1 15	25 13	1 53	13 0	0 26	15 3	0 56	16 46	1 12	23 24	0 6	21 41	0 54	15 33	7 47	8 12	7 44	24 20	14 4	7 5					
T 9	17 18	2n46	1 3	20 2	1 0	25 17	1 55	13 15	0 26	15 7	0 55	16 46	1 12	23 24	0 6	21 41	0 54	15 33	7 46	8 13	7 43	24 22	14 3	7 6					
F 10	17 34	8 26	0n 3	19 39	0 44	25 21	1 57	13 30	0 25	15 11	0 55	16 45	1 12	23 24	0 6	21 41	0 54	15 33	7 46	8 13	7 42	24 24	14 3	7 6					
S 11	17 50	13 45	1 8	19 15	0 27	25 24	1 59	13 45	0 24	15 15	0 55	16 44	1 12	23 24	0 6	21 41	0 54	15 34	7 46	8 13	7 41	24 26	14 2	7 7					
S 12	18 5	18 31	2 9	18 50	0 10	25 27	2 1	14 0	0 24	15 20	0 55	16 43	1 12	23 23	0 6	21 42	0 54	15 34	7 46	8 12	7 40	24 28	14 2	7 8					
M13	18 20	22 32	3 5	18 25	0s 7	25 28	2 3	14 15	0 23	15 24	0 55	16 43	1 12	23 23	0 6	21 42	0 54	15 34	7 46	8 11	7 38	24 30	14 1	7 8					
T 14	18 35	25 38	3 53	17 59	0 25	25 29	2 5	14 30	0 22	15 28	0 55	16 42	1 12	23 23	0 6	21 42	0 54	15 34	7 46	8 9	7 37	24 32	14 1	7 9					
W15	18 49	27 36	4 30	17 32	0 42	25 30	2 7	14 44	0 22	15 32	0 55	16 41	1 12	23 23	0 6	21 42	0 54	15 34	7 46	8 6	7 36	24 34	14 1	7 9					
T 16	19 3	28 19	4 56	17 6	1 0	25 29	2 8	14 59	0 21	15 36	0 55	16 40	1 11	23 23	0 6	21 42	0 54	15 34	7 45	8 4	7 35	24 36	14 0	7 10					
F 17	19 17	27 43	5 9	16 41	1 17	25 28	2 10	15 13	0 21	15 40	0 55	16 39	1 11	23 23	0 6	21 42	0 54	15 35	7 45	8 2	7 34	24 37	14 0	7 10					
S 18	19 30	25 48	5 9	16 16	1 33	25 27	2 11	15 27	0 20	15 45	0 55	16 38	1 11	23 23	0 7	21 42	0 54	15 35	7 45	8 0	7 32	24 39	14 0	7 11					
S 19	19 43	22 40	4 54	15 53	1 49	25 24	2 13	15 41	0 19	15 49	0 55	16 37	1 11	23 23	0 7	21 42	0 54	15 35	7 45	7 59	7 31	24 41	13 59	7 11					
M20	19 56	18 25	4 26	15 31	2 4	25 21	2 14	15 55	0 19	15 53	0 55	16 36	1 11	23 23	0 7	21 42	0 54	15 35	7 45	7 58	7 30	24 43	13 59	7 12					
T 21	20 8	13 15	3 43	15 11	2 18	25 18	2 15	16 8	0 18	15 57	0 55	16 35	1 11	23 23	0 7	21 42	0 54	15 35	7 45	7 58	7 29	24 45	13 59	7 12					
W22	20 20	7 21	2 47	14 52	2 32	25 13	2 16	16 22	0 17	16 1	0 55	16 34	1 11	23 23	0 7	21 42	0 54	15 35	7 45	7 59	7 28	24 47	13 58	7 13					
T 23	20 32	0 54	1 41	14 36	2 44	25 8	2 17	16 35	0 17	16 5	0 55	16 33	1 11	23 22	0 7	21 43	0 54	15 36	7 45	7 59	7 26	24 48	13 58	7 14					
F 24	20 44	5s47	0 26	14 22	2 55	25 2	2 18	16 48	0 16	16 9	0 55	16 32	1 11	23 22	0 7	21 43	0 54	15 36	7 44	7 59	7 25	24 50	13 58	7 14					
S 25	20 55	12 23	0s53	14 10	3 6	24 56	2 19	17 1	0 15	16 13	0 55	16 30	1 11	23 22	0 7	21 43	0 54	15 36	7 44	7 59	7 24	24 52	13 58	7 15					
S 26	21 5	18 27	2 10	14 0	3 15	24 49	2 20	17 14	0 15	16 17	0 55	16 29	1 11	23 22	0 7	21 43	0 54	15 36	7 44	7 58	7 23	24 54	13 58	7 15					
M27	21 15	23 28	3 19	13 52	3 23	24 41	2 20	17 26	0 14	16 20	0 55	16 28	1 11	23 22	0 7	21 43	0 54	15 36	7 44	7 57	7 22	24 56	13 57	7 16					
T 28	21 25	26 52	4 14	13 47	3 30	24 33	2 21	17 38	0 13	16 24	0 55	16 27	1 11	23 22	0 7	21 43	0 54	15 36	7 44	7 55	7 20	24 58	13 57	7 16					
W29	21 35	28 16	4 51	13 44	3 36	24 24	2 21	17 51	0 13	16 28	0 55	16 25	1 11	23 22	0 7	21 43	0 54	15 37	7 44	7 52	7 19	24 59	13 57	7 17					
T 30	21 44	27 33	5 7	13 43	3 40	24 14	2 22	18 3	0 12	16 32	0 55	16 24	1 11	23 22	0 7	21 43	0 54	15 37	7 44	7 50	7 18	25 1	13 57	7 17					
F 31	21n53	24s58	5s 2	13n45	3s44	24n 4	2n22	18n14	0s12	16n36	0s55	16n23	1n11	23s22	0s 7	21s43	0n54	15n37	7s44	7n47	7n17	25n 3	13s57	7n17					

ASTRODIENST EPHEMERIS for the year 2154
geocentric

JUNE 2154

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 37 58	10♈35'45	14♈32	18♈57	22♈25	23♈24	19♈18	18♈37	23♈R13	14♈R35	25♈20	19♈R51	18♈Y32	6♈12	24♈R55	S 1
S 2	16 41 55	11°33'18	28°10	19°24	23°32	24° 8	19°32	18°42	23♈11	14♈34	25°22	19♈Y48	18°29	6°19	24♈52	S 2
M 3	16 45 51	12°30'50	11♈19	19°55	24°39	24°51	19°45	18°46	23° 9	14°33	25°23	19°D47	18°26	6°26	24°50	M 3
T 4	16 49 48	13°28'22	24° 4	20°31	25°46	25°35	19°59	18°51	23° 6	14°31	25°24	19°48	18°23	6°32	24°48	T 4
W 5	16 53 44	14°25'52	6♈30	21°10	26°53	26°18	20°13	18°55	23° 4	14°30	25°26	19°49	18°19	6°39	24°45	W 5
T 6	16 57 41	15°23'22	18°39	21°54	28° 0	27° 2	20°26	19° 0	23° 1	14°29	25°27	19°R49	18°16	6°46	24°43	T 6
F 7	17 1 38	16°20'51	0♈38	22°41	29° 6	27°45	20°40	19° 5	22°59	14°27	25°29	19°49	18°13	6°52	24°40	F 7
S 8	17 5 34	17°18'19	12°31	23°32	0♈12	28°29	20°53	19°10	22°57	14°26	25°30	19°46	18°10	6°59	24°38	S 8
S 9	17 9 31	18°15'46	24°20	24°26	1°18	29°12	21° 7	19°14	22°54	14°24	25°31	19°41	18° 7	7° 6	24°35	S 9
M10	17 13 27	19°13'13	6♈9	25°25	2°24	29°55	21°20	19°19	22°52	14°23	25°33	19°34	18° 3	7°12	24°32	M10
T 11	17 17 24	20°10'39	17°59	26°26	3°30	0♈38	21°34	19°25	22°49	14°22	25°34	19°24	18° 0	7°19	24°30	T 11
W12	17 21 20	21° 8'04	29°54	27°31	4°35	1°21	21°47	19°30	22°47	14°20	25°36	19°13	17°57	7°26	24°27	W12
T 13	17 25 17	22° 5'28	11♈53	28°39	5°40	2° 4	22° 0	19°35	22°44	14°19	25°37	19° 1	17°54	7°32	24°24	T 13
F 14	17 29 13	23° 2'52	23°59	29°51	6°45	2°47	22°14	19°40	22°42	14°17	25°38	18°50	17°51	7°39	24°21	F 14
S 15	17 33 10	24° 0'14	6♈14	1♈5	7°50	3°30	22°27	19°46	22°39	14°16	25°40	18°40	17°48	7°46	24°18	S 15
S 16	17 37 7	24°57'36	18°38	2°23	8°55	4°13	22°40	19°51	22°37	14°14	25°41	18°33	17°44	7°53	24°15	S 16
M17	17 41 3	25°54'56	1♈15	3°44	9°59	4°56	22°53	19°56	22°34	14°13	25°43	18°28	17°41	7°59	24°12	M17
T 18	17 45 0	26°52'16	14° 8	5° 8	11° 3	5°39	23° 6	20° 2	22°32	14°11	25°44	18°25	17°38	8° 6	24° 9	T 18
W19	17 48 56	27°49'35	27°19	6°36	12° 7	6°21	23°19	20° 8	22°29	14°10	25°45	18°D24	17°35	8°13	24° 6	W19
T 20	17 52 53	28°46'53	10♈52	8° 6	13°11	7° 4	23°32	20°13	22°27	14° 8	25°47	18°R25	17°32	8°19	24° 3	T 20
F 21	17 56 49	29°44'10	24°49	9°39	14°14	7°47	23°45	20°19	22°25	14° 7	25°48	18°25	17°29	8°26	23°59	F 21
S 22	18 0 46	0♈41'26	9♈10	11°15	15°17	8°29	23°58	20°25	22°22	14° 5	25°50	18°23	17°25	8°33	23°56	S 22
S 23	18 4 42	1°38'41	23°54	12°55	16°20	9°12	24°11	20°31	22°20	14° 3	25°51	18°20	17°22	8°39	23°53	S 23
M24	18 8 39	2°35'56	8♈55	14°37	17°23	9°54	24°23	20°37	22°17	14° 2	25°53	18°13	17°19	8°46	23°50	M24
T 25	18 12 36	3°33'11	24° 6	16°22	18°25	10°36	24°36	20°43	22°15	14° 0	25°54	18° 5	17°16	8°53	23°46	T 25
W26	18 16 32	4°30'25	9♈16	18°10	19°27	11°19	24°48	20°49	22°12	13°59	25°55	17°55	17°13	8°59	23°43	W26
T 27	18 20 29	5°27'38	24°16	20° 0	20°29	12° 1	25° 1	20°55	22°10	13°57	25°57	17°44	17°10	9° 6	23°39	T 27
F 28	18 24 25	6°24'52	8♈55	21°53	21°30	12°43	25°13	21° 1	22° 8	13°55	25°58	17°35	17° 6	9°13	23°36	F 28
S 29	18 28 22	7°22'05	23° 7	23°49	22°31	13°25	25°26	21° 7	22° 5	13°54	26° 0	17°27	17° 3	9°20	23°33	S 29
S 30	18 32 18	8♈19'18	6♈51	25♈48	23♈32	14♈7	25♈38	21♈13	22♈3	13♈52	26♈1	17♈Y21	17♈Y0	9♈26	23♈29	S 30

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	
S 1	22n 1	20s55 4s40	13n48 3s47	23n53 2n22	18n26 0s11	16n39 0s55	16n21 1n11	23s22 0s 7	21s44 0n54	15n37 7s44	7n45 7n16	25n 5 13s57	7n18			
S 2	22 9	15 53 4 2	13 54 3 49	23 42 2 22	18 38 0 10	16 43 0 55	16 20 1 11	23 21 0 7	21 44 0 54	15 37 7 44	7 44 7 14	25 6 13 57	7 18			
M 3	22 17	10 16 3 12	14 1 3 49	23 30 2 22	18 49 0 10	16 47 0 55	16 19 1 11	23 21 0 7	21 44 0 54	15 37 7 43	7 44 7 13	25 8 13 57	7 19			
T 4	22 24	4 24 2 14	14 11 3 49	23 18 2 22	19 0 0 9	16 51 0 55	16 17 1 11	23 21 0 7	21 44 0 54	15 37 7 43	7 44 7 12	25 10 13 57	7 19			
W 5	22 31	1n29 1 11	14 22 3 48	23 5 2 21	19 11 0 8	16 54 0 55	16 16 1 11	23 21 0 7	21 44 0 54	15 37 7 43	7 45 7 11	25 12 13 57	7 20			
T 6	22 37	7 13 0 6	14 35 3 46	22 51 2 21	19 21 0 8	16 58 0 55	16 14 1 11	23 21 0 7	21 44 0 54	15 38 7 43	7 45 7 10	25 13 13 57	7 20			
F 7	22 43	12 35 0n58	14 49 3 44	22 37 2 20	19 32 0 7	17 1 0 55	16 13 1 11	23 21 0 7	21 44 0 54	15 38 7 43	7 45 7 8	25 15 13 57	7 21			
S 8	22 49	17 28 1 58	15 5 3 40	22 22 2 20	19 42 0 6	17 5 0 55	16 11 1 11	23 21 0 7	21 45 0 54	15 38 7 43	7 44 7 7	25 17 13 57	7 21			
S 9	22 54	21 39 2 54	15 23 3 36	22 7 2 19	19 52 0 6	17 8 0 55	16 10 1 11	23 21 0 7	21 45 0 54	15 38 7 43	7 42 7 6	25 19 13 57	7 21			
M10	22 59	24 57 3 41	15 41 3 31	21 51 2 18	20 2 0 5	17 12 0 55	16 8 1 11	23 21 0 7	21 45 0 54	15 38 7 43	7 39 7 5	25 20 13 57	7 22			
T 11	23 3	27 11 4 19	16 1 3 25	21 35 2 17	20 12 0 4	17 15 0 55	16 6 1 11	23 20 0 7	21 45 0 54	15 38 7 43	7 35 7 3	25 22 13 57	7 22			
W12	23 8	28 11 4 46	16 21 3 19	21 18 2 16	20 22 0 4	17 19 0 55	16 5 1 11	23 20 0 7	21 45 0 54	15 38 7 43	7 31 7 2	25 24 13 57	7 23			
T 13	23 11	27 53 5 0	16 43 3 12	21 1 2 15	20 31 0 3	17 22 0 55	16 3 1 11	23 20 0 7	21 45 0 54	15 38 7 43	7 27 7 1	25 25 13 57	7 23			
F 14	23 14	26 14 5 2	17 6 3 5	20 43 2 13	20 40 0 2	17 26 0 55	16 1 1 10	23 20 0 7	21 45 0 54	15 38 7 43	7 22 7 0	25 27 13 57	7 23			
S 15	23 17	23 22 4 49	17 29 2 57	20 25 2 12	20 49 0 2	17 29 0 55	16 0 1 10	23 20 0 7	21 46 0 54	15 39 7 43	7 19 6 59	25 29 13 57	7 24			
S 16	23 20	19 23 4 23	17 52 2 48	20 6 2 10	20 58 0 1	17 32 0 55	15 58 1 10	23 20 0 7	21 46 0 54	15 39 7 43	7 16 6 57	25 30 13 57	7 24			
M17	23 22	14 30 3 43	18 17 2 39	19 47 2 8	21 6 0 0	17 36 0 55	15 56 1 10	23 20 0 7	21 46 0 54	15 39 7 43	7 14 6 56	25 32 13 58	7 24			
T 18	23 23	8 53 2 51	18 41 2 30	19 28 2 6	21 14 0n 0	17 39 0 55	15 54 1 10	23 20 0 7	21 46 0 54	15 39 7 43	7 13 6 55	25 34 13 58	7 25			
W19	23 24	2 44 1 50	19 6 2 20	19 8 2 4	21 22 0 1	17 42 0 55	15 53 1 10	23 19 0 7	21 46 0 54	15 39 7 43	7 13 6 54	25 35 13 58	7 25			
T 20	23 25	3s41 0 40	19 30 2 10	18 48 2 2	21 30 0 2	17 45 0 55	15 51 1 10	23 19 0 7	21 46 0 54	15 39 7 42	7 13 6 53	25 37 13 58	7 25			
F 21	23 25	10 8 0s34	19 55 1 59	18 27 2 0	21 38 0 3	17 48 0 55	15 49 1 10	23 19 0 7	21 47 0 54	15 39 7 42	7 13 6 51	25 39 13 59	7 26			
S 22	23 25	16 15 1 48	20 19 1 48	18 6 1 57	21 45 0 3	17 52 0 55	15 47 1 10	23 19 0 7	21 47 0 54	15 39 7 42	7 12 6 50	25 40 13 59	7 26			
S 23	23 25	21 35 2 56	20 44 1 37	17 45 1 55	21 53 0 4	17 55 0 55	15 45 1 10	23 19 0 7	21 47 0 54	15 39 7 42	7 11 6 49	25 42 13 59	7 26			
M24	23 24	25 37 3 54	21 7 1 26	17 23 1 52	22 0 0 5	17 58 0 55	15 43 1 10	23 19 0 7	21 47 0 54	15 39 7 42	7 8 6 48	25 44 13 59	7 26			
T 25	23 22	27 53 4 35	21 30 1 14	17 2 1 49	22 6 0 5	18 1 0 55	15 41 1 10	23 19 0 7	21 47 0 54	15 39 7 42	7 5 6 46	25 45 14 0	7 27			
W26	23 21	28 3 4 58	21 51 1 2	16 39 1 46	22 13 0 6	18 4 0 55	15 39 1 10	23 18 0 7	21 47 0 54	15 39 7 42	7 1 6 45	25 47 14 0	7 27			
T 27	23 19	26 9 4 59	22 12 0 51	16 17 1 43	22 19 0 7	18 7 0 55	15 37 1 10	23 18 0 7	21 48 0 54	15 39 7 42	6 57 6 44	25 48 14 0	7 27			
F 28	23 16	22 32 4 41	22 32 0 39	15 54 1 40	22 26 0 7	18 10 0 55	15 35 1 10	23 18 0 7	21 48 0 54	15 40 7 42	6 54 6 43	25 50 14 1	7 27			
S 29	23 13	17 40 4 5	22 50 0 27	15 31 1 36	22 31 0 8	18 13 0 55	15 33 1 10	23 18 0 7	21 48 0 54	15 40 7 42	6 51 6 42	25 51 14 1	7 28			
S 30	23n10 12s 2	3s17 23n 6	0s16 15n 7	1n32 22n37	0n 9 18n15	0s55 15n31	1n10 23s18	0s 7 21s48	0n54 15n40	7s42 6n49	6n40 25n53	14s 1 7n28				

Julian Day Number = 2507943.5, Delta T = 124.74 sec
Ecliptic obliquity = 23°25'17", Nutation = - 0°00'06", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°53'53", Lahiri = 26°00'53"

ASTRODIENST EPHEMERIS for the year 2154
geocentric

JULY 2154

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	18 36 15	9♉16'30	20♊ 5	27♊48	24♊32	14♊49	25♊50	21♊20	22°R 1	13°R51	26♊ 2	17°R18	16♊57	9♊33	23°R26	M 1
T 2	18 40 12	10°13'43	2♊52	29°51	25°32	15°31	26° 2	21°26	21♊58	13♊49	26° 4	17♊17	16°54	9°40	23♊22	T 2
W 3	18 44 8	11°10'56	15°18	19°55	26°32	16°13	26°14	21°33	21°56	13°47	26° 5	17°17	16°50	9°46	23°18	W 3
T 4	18 48 5	12° 8'10	27°27	4° 2	27°31	16°55	26°26	21°39	21°54	13°46	26° 6	17°17	16°47	9°53	23°15	T 4
F 5	18 52 1	13° 5'23	9♋25	6° 9	28°30	17°37	26°38	21°45	21°52	13°44	26° 8	17°16	16°44	10° 0	23°11	F 5
S 6	18 55 58	14° 2'36	21°15	8°18	29°29	18°19	26°50	21°52	21°49	13°43	26° 9	17°12	16°41	10° 6	23° 8	S 6
S 7	18 59 54	14°59'50	3♋ 4	10°27	0♋27	19° 0	27° 2	21°59	21°47	13°41	26°10	17° 6	16°38	10°13	23° 4	S 7
M 8	19 3 51	15°57'04	14°54	12°37	1°25	19°42	27°13	22° 5	21°45	13°39	26°12	16°57	16°35	10°20	23° 0	M 8
T 9	19 7 47	16°54'18	26°49	14°48	2°22	20°24	27°25	22°12	21°43	13°38	26°13	16°46	16°31	10°27	22°57	T 9
W10	19 11 44	17°51'32	8♋50	16°58	3°19	21° 5	27°36	22°19	21°41	13°36	26°15	16°33	16°28	10°33	22°53	W10
T 11	19 15 41	18°48'47	20°59	19° 8	4°16	21°47	27°48	22°26	21°39	13°34	26°16	16°19	16°25	10°40	22°49	T 11
F 12	19 19 37	19°46'01	3♌16	21°17	5°12	22°28	27°59	22°32	21°37	13°33	26°17	16° 6	16°22	10°47	22°46	F 12
S 13	19 23 34	20°43'15	15°44	23°26	6° 7	23° 9	28°10	22°39	21°34	13°31	26°18	15°54	16°19	10°53	22°42	S 13
S 14	19 27 30	21°40'30	28°21	25°34	7° 3	23°51	28°22	22°46	21°32	13°30	26°20	15°45	16°16	11° 0	22°38	S 14
M15	19 31 27	22°37'44	11♋10	27°40	7°57	24°32	28°33	22°53	21°30	13°28	26°21	15°39	16°12	11° 7	22°34	M15
T 16	19 35 23	23°34'59	24°11	29°45	8°51	25°13	28°43	23° 0	21°28	13°26	26°22	15°35	16° 9	11°13	22°31	T 16
W17	19 39 20	24°32'13	7♌27	1♌49	9°44	25°54	28°54	23° 7	21°27	13°25	26°24	15°34	16° 6	11°20	22°27	W17
T 18	19 43 16	25°29'27	20°59	3°51	10°37	26°35	29° 5	23°14	21°25	13°23	26°25	15°34	16° 3	11°27	22°23	T 18
F 19	19 47 13	26°26'42	4♌50	5°52	11°30	27°16	29°16	23°21	21°23	13°22	26°26	15°34	16° 0	11°34	22°20	F 19
S 20	19 51 10	27°23'56	18°59	7°51	12°21	27°57	29°26	23°29	21°21	13°20	26°27	15°33	15°56	11°40	22°16	S 20
S 21	19 55 6	28°21'11	3♍27	9°48	13°12	28°38	29°37	23°36	21°19	13°19	26°29	15°29	15°53	11°47	22°12	S 21
M22	19 59 3	29°18'26	18° 9	11°43	14° 2	29°19	29°47	23°43	21°17	13°17	26°30	15°23	15°50	11°54	22° 9	M22
T 23	20 2 59	0♍15'41	3♎ 1	13°37	14°52	29°59	29°57	23°50	21°16	13°15	26°31	15°15	15°47	12° 0	22° 5	T 23
W24	20 6 56	1°12'57	17°54	15°29	15°41	0♍40	0♎ 7	23°57	21°14	13°14	26°32	15° 5	15°44	12° 7	22° 1	W24
T 25	20 10 52	2°10'13	2♎40	17°19	16°29	1°21	0°17	24° 5	21°12	13°12	26°33	14°54	15°41	12°14	21°58	T 25
F 26	20 14 49	3° 7'29	17°10	19° 7	17°16	2° 2	0°27	24°12	21°11	13°11	26°35	14°44	15°37	12°20	21°54	F 26
S 27	20 18 45	4° 4'46	1♎18	20°54	18° 3	2°42	0°37	24°19	21° 9	13° 9	26°36	14°36	15°34	12°27	21°51	S 27
S 28	20 22 42	5° 2'04	15° 0	22°39	18°48	3°23	0°47	24°27	21° 7	13° 8	26°37	14°31	15°31	12°34	21°47	S 28
M29	20 26 39	5°59'22	28°16	24°22	19°33	4° 3	0°56	24°34	21° 6	13° 7	26°38	14°28	15°28	12°41	21°44	M29
T 30	20 30 35	6°56'42	11♎ 6	26° 3	20°17	4°43	1° 6	24°42	21° 4	13° 5	26°39	14°D27	15°25	12°47	21°40	T 30
W31	20 34 32	7♎54'02	23♎34	27♎43	21♎ 0	5♎24	1♎15	24♎49	21♎ 3	13♎ 4	26♎40	14♎27	15♎21	12♎54	21♎37	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	decl lat
M 1	23n 6	6s 3	2s19	23n20	0s 4	14n44	1n29	22n43	0n 9	18n18	0s55	15n29	1n10	23s18	0s 7	21s48
T 2	23 2	0 1	1 16	23 32	0n 7	14 20	1 25	22 48	0 10	18 21	0 55	15 27	1 10	23 18	0 7	21 48
W 3	22 57	5n52	0 11	23 42	0 18	13 56	1 21	22 53	0 11	18 24	0 56	15 25	1 10	23 18	0 7	21 49
T 4	22 52	11 24	0n54	23 50	0 28	13 31	1 17	22 58	0 11	18 27	0 56	15 23	1 10	23 17	0 7	21 49
F 5	22 47	16 25	1 54	23 55	0 38	13 7	1 12	23 3	0 12	18 29	0 56	15 21	1 10	23 17	0 7	21 49
S 6	22 41	20 27	2 49	23 58	0 48	12 42	1 8	23 7	0 13	18 32	0 56	15 19	1 10	23 17	0 7	21 49
S 7	22 35	24 18	3 37	23 57	0 57	12 17	1 3	23 11	0 13	18 35	0 56	15 17	1 10	23 17	0 7	21 49
M 8	22 28	26 47	4 15	23 54	1 5	11 52	0 58	23 15	0 14	18 37	0 56	15 15	1 10	23 17	0 7	21 49
T 9	22 21	28 5	4 42	23 49	1 13	11 27	0 53	23 19	0 15	18 40	0 56	15 12	1 10	23 17	0 7	21 50
W10	22 18	28 4	4 57	23 40	1 20	11 2	0 48	23 23	0 15	18 42	0 56	15 10	1 10	23 17	0 7	21 50
T 11	22 6	26 42	4 59	23 29	1 26	10 36	0 43	23 26	0 16	18 45	0 56	15 8	1 10	23 17	0 7	21 50
F 12	21 58	24 3	4 46	23 15	1 32	10 11	0 37	23 29	0 17	18 47	0 56	15 6	1 10	23 16	0 7	21 50
S 13	21 50	20 15	4 21	22 58	1 36	9 45	0 32	23 32	0 17	18 50	0 56	15 4	1 10	23 16	0 7	21 50
S 14	21 41	15 30	3 42	22 40	1 40	9 19	0 26	23 35	0 18	18 52	0 56	15 1	1 10	23 16	0 7	21 50
M15	21 31	10 0	2 51	22 18	1 44	8 53	0 20	23 37	0 19	18 54	0 56	14 59	1 10	23 16	0 7	21 51
T 16	21 22	4 0	1 50	21 55	1 46	8 27	0 14	23 40	0 20	18 57	0 56	14 57	1 10	23 16	0 7	21 51
W17	21 12	2s18	0 43	21 30	1 48	8 2	0 7	23 42	0 20	18 59	0 56	14 55	1 10	23 16	0 7	21 51
T 18	21 2	8 38	0s29	21 2	1 49	7 36	0 1	23 44	0 21	19 1	0 56	14 52	1 10	23 16	0 7	21 51
F 19	20 51	14 42	1 40	20 33	1 49	7 10	0s 6	23 45	0 22	19 4	0 56	14 50	1 10	23 16	0 7	21 51
S 20	20 40	20 8	2 47	20 3	1 49	6 44	0 12	23 47	0 22	19 6	0 56	14 48	1 10	23 15	0 7	21 52
S 21	20 29	24 30	3 45	19 31	1 48	6 18	0 19	23 48	0 23	19 8	0 57	14 45	1 10	23 15	0 7	21 52
M22	20 17	27 21	4 28	18 57	1 46	5 52	0 27	23 49	0 24	19 10	0 57	14 43	1 10	23 15	0 7	21 52
T 23	20 5	28 18	4 55	18 23	1 44	5 26	0 34	23 50	0 24	19 12	0 57	14 40	1 11	23 15	0 7	21 52
W24	19 52	27 12	5 1	17 47	1 41	5 0	0 41	23 50	0 25	19 14	0 57	14 38	1 11	23 15	0 7	21 52
T 25	19 40	24 12	4 47	17 11	1 38	4 35	0 49	23 51	0 26	19 16	0 57	14 36	1 11	23 15	0 7	21 52
F 26	19 27	19 43	4 15	16 34	1 34	4 9	0 57	23 51	0 26	19 18	0 57	14 33	1 11	23 15	0 7	21 53
S 27	19 13	14 14	3 28	15 56	1 29	3 44	1 5	23 51	0 27	19 20	0 57	14 31	1 11	23 15	0 7	21 53
S 28	19 0	8 12	2 30	15 17	1 24	3 18	1 13	23 50	0 28	19 22	0 57	14 28	1 11	23 15	0 7	21 53
M29	18 46	1 59	1 25	14 38	1 19	2 53	1 21	23 50	0 28	19 24	0 57	14 26	1 11	23 15	0 7	21 53
T 30	18 31	4n 7	0 18	13 58	1 13	2 28	1 30	23 49	0 29	19 26	0 57	14 24	1 11	23 14	0 7	21 53
W31	18n17	9n54	0n48	13n18	1n 7	2n 3	1s39	23n48	0n30	19n28	0s57	14n21	1n11	23s14	0s 7	21s53

Julian Day Number = 2507973.5, Delta T = 124.80 sec
Ecliptic obliquity = 23°25'17, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°53'57, Lahiri = 26°00'57

ASTRODIENST EPHEMERIS for the year 2154

geocentric

AUGUST 2154

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 38 28	8♂51'24	5♂45	29♂20	21♂42	6♂4	1♂24	24♂56	21°R 2	13°R 2	26♂41	14°R27	15°Y18	13♂1	21°R33	T 1
F 2	20 42 25	9°48'46	17°44	0♂56	22°23	6°44	1°33	25° 4	21°R 0	13°R 1	26°43	14°Y27	15°15	13° 7	21°R30	F 2
S 3	20 46 21	10°46'10	29°36	2°31	23° 3	7°24	1°42	25°11	20°59	12°59	26°44	14°25	15°12	13°14	21°26	S 3
S 4	20 50 18	11°43'34	11♂27	4° 3	23°42	8° 5	1°51	25°19	20°58	12°58	26°45	14°21	15° 9	13°21	21°23	S 4
M 5	20 54 14	12°41'00	23°19	5°34	24°20	8°45	2° 0	25°26	20°56	12°57	26°46	14°15	15° 6	13°27	21°20	M 5
T 6	20 58 11	13°38'27	5♂19	7° 3	24°56	9°25	2° 9	25°34	20°55	12°55	26°47	14° 6	15° 2	13°34	21°17	T 6
W 7	21 2 8	14°35'55	17°27	8°30	25°32	10° 4	2°17	25°42	20°54	12°54	26°48	13°56	14°59	13°41	21°13	W 7
T 8	21 6 4	15°33'24	29°46	9°56	26° 6	10°44	2°25	25°49	20°53	12°53	26°49	13°45	14°56	13°48	21°10	T 8
F 9	21 10 1	16°30'54	12♂18	11°20	26°39	11°24	2°33	25°57	20°52	12°51	26°50	13°35	14°53	13°54	21° 7	F 9
S 10	21 13 57	17°28'25	25° 2	12°41	27°10	12° 4	2°42	26° 4	20°51	12°50	26°51	13°26	14°50	14° 1	21° 4	S 10
S 11	21 17 54	18°25'56	7♂58	14° 1	27°41	12°44	2°49	26°12	20°50	12°49	26°52	13°19	14°47	14° 8	21° 1	S 11
M12	21 21 50	19°23'29	21° 6	15°19	28° 9	13°23	2°57	26°20	20°49	12°48	26°53	13°15	14°43	14°14	20°58	M12
T 13	21 25 47	20°21'03	4♂26	16°35	28°36	14° 3	3° 5	26°27	20°48	12°46	26°54	13°12	14°40	14°21	20°55	T 13
W14	21 29 43	21°18'37	17°56	17°49	29° 2	14°42	3°12	26°35	20°47	12°45	26°54	13°D12	14°37	14°28	20°52	W14
T 15	21 33 40	22°16'13	1♂38	19° 1	29°26	15°22	3°20	26°42	20°47	12°44	26°55	13°13	14°34	14°34	20°49	T 15
F 16	21 37 37	23°13'49	15°32	20°11	29°48	16° 1	3°27	26°50	20°46	12°43	26°56	13°14	14°31	14°41	20°46	F 16
S 17	21 41 33	24°11'27	29°37	21°18	0♂8	16°40	3°34	26°58	20°45	12°42	26°57	13°R14	14°27	14°48	20°43	S 17
S 18	21 45 30	25° 9'05	13♂52	22°23	0°27	17°20	3°41	27° 5	20°45	12°41	26°58	13°13	14°24	14°55	20°40	S 18
M19	21 49 26	26° 6'45	28°16	23°26	0°44	17°59	3°47	27°13	20°44	12°40	26°59	13° 9	14°21	15° 1	20°38	M19
T 20	21 53 23	27° 4'25	12♂44	24°26	0°58	18°38	3°54	27°21	20°44	12°39	27° 0	13° 4	14°18	15° 8	20°35	T 20
W21	21 57 19	28° 2'06	27°11	25°23	1°11	19°17	4° 0	27°28	20°43	12°38	27° 4	12°57	14°15	15°15	20°33	W21
T 22	22 1 16	28°59'49	11♂33	26°18	1°22	19°56	4° 7	27°36	20°43	12°37	27° 1	12°51	14°12	15°21	20°30	T 22
F 23	22 5 12	29°57'32	25°41	27° 9	1°30	20°35	4°13	27°44	20°42	12°36	27° 2	12°44	14° 8	15°28	20°28	F 23
S 24	22 9 9	0♂55'17	9♂33	27°57	1°37	21°14	4°19	27°51	20°42	12°35	27° 3	12°39	14° 5	15°35	20°25	S 24
S 25	22 13 6	1°53'04	23° 4	28°42	1°41	21°53	4°25	27°59	20°42	12°34	27° 3	12°35	14° 2	15°42	20°23	S 25
M26	22 17 2	2°50'52	6°Y14	29°24	1°R43	22°32	4°30	28° 7	20°41	12°33	27° 4	12°34	13°59	15°48	20°21	M26
T 27	22 20 59	3°48'41	19° 1	0♂1	1°42	23°11	4°36	28°14	20°41	12°32	27° 5	12°D34	13°56	15°55	20°18	T 27
W28	22 24 55	4°46'32	1♂30	0°35	1°39	23°49	4°41	28°22	20°41	12°31	27° 5	12°35	13°53	16° 2	20°16	W28
T 29	22 28 52	5°44'25	13°42	1° 4	1°34	24°28	4°46	28°30	20°41	12°30	27° 6	12°36	13°49	16° 8	20°14	T 29
F 30	22 32 48	6°42'20	25°43	1°29	1°27	25° 6	4°51	28°37	20°D41	12°29	27° 7	12°38	13°46	16°15	20°12	F 30
S 31	22 36 45	7♂40'16	7♂36	1♂49	1♂17	25♂45	4♂56	28♂45	20♂41	12♂29	27♂7	12°R38	13°Y43	16♂22	20♂10	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	18n 2	15n10	1n51	12n38	1n 0	1n39	1s47	23n47	0n30	19n29	0s57	14n19	1n11	23s14	0s 7	21s54
F 2	17 47	19 47	2 48	11 58	0 53	1 14	1 56	23 46	0 31	19 31	0 57	14 16	1 11	23 14	0 7	21 54
S 3	17 31	23 34	3 36	11 17	0 46	0 50	2 6	23 45	0 32	19 33	0 58	14 14	1 11	23 14	0 7	21 54
S 4	17 15	26 21	4 16	10 37	0 38	0 26	2 15	23 43	0 33	19 35	0 58	14 11	1 11	23 14	0 7	21 54
M 5	16 59	27 59	4 44	9 56	0 31	0 2	2 25	23 41	0 33	19 36	0 58	14 9	1 11	23 14	0 7	21 54
T 6	16 43	28 19	5 0	9 16	0 22	0s21	2 34	23 39	0 34	19 38	0 58	14 6	1 11	23 14	0 7	21 54
W 7	16 26	27 18	5 3	8 35	0 14	0 44	2 44	23 37	0 35	19 39	0 58	14 4	1 11	23 14	0 7	21 54
T 8	16 10	24 56	4 52	7 55	0 5	1 7	2 54	23 34	0 35	19 41	0 58	14 1	1 11	23 14	0 7	21 55
F 9	15 53	21 22	4 27	7 15	0s 4	1 29	3 4	23 32	0 36	19 42	0 58	13 59	1 11	23 14	0 7	21 55
S 10	15 35	16 45	3 48	6 35	0 13	1 51	3 15	23 29	0 37	19 44	0 58	13 56	1 11	23 14	0 7	21 55
S 11	15 18	11 19	2 57	5 56	0 23	2 13	3 25	23 26	0 37	19 45	0 58	13 54	1 11	23 14	0 7	21 55
M12	15 0	5 18	1 56	5 17	0 32	2 34	3 36	23 23	0 38	19 47	0 58	13 51	1 11	23 13	0 7	21 55
T 13	14 42	1s 2	0 47	4 39	0 42	2 55	3 47	23 19	0 39	19 48	0 58	13 49	1 11	23 13	0 7	21 55
W14	14 23	7 25	0s25	4 1	0 52	3 15	3 58	23 16	0 39	19 49	0 59	13 46	1 12	23 13	0 7	21 56
T 15	14 5	13 34	1 38	3 23	1 2	3 35	4 9	23 12	0 40	19 51	0 59	13 43	1 12	23 13	0 7	21 56
F 16	13 46	19 7	2 45	2 47	1 12	3 54	4 20	23 8	0 41	19 52	0 59	13 41	1 12	23 13	0 7	21 56
S 17	13 27	23 41	3 43	2 11	1 22	4 12	4 31	23 4	0 41	19 53	0 59	13 38	1 12	23 13	0 7	21 56
S 18	13 8	26 54	4 29	1 36	1 33	4 30	4 43	23 0	0 42	19 54	0 59	13 36	1 12	23 13	0 7	21 56
M19	12 48	28 22	4 58	1 2	1 43	4 47	4 54	22 55	0 43	19 56	0 59	13 33	1 12	23 13	0 7	21 56
T 20	12 29	27 55	5 8	0 28	1 54	5 3	5 6	22 51	0 43	19 57	0 59	13 31	1 12	23 13	0 7	21 56
W21	12 9	25 35	4 59	0s 4	2 4	5 19	5 17	22 46	0 44	19 58	0 59	13 28	1 12	23 13	0 7	21 56
T 22	11 49	21 38	4 30	0 35	2 14	5 34	5 29	22 41	0 45	19 59	0 59	13 25	1 12	23 13	0 7	21 57
F 23	11 29	16 30	3 46	1 5	2 25	5 48	5 40	22 36	0 45	20 0	0 59	13 23	1 12	23 13	0 7	21 57
S 24	11 8	10 36	2 49	1 34	2 35	6 1	5 52	22 30	0 46	20 1	1 0	13 20	1 12	23 13	0 7	21 57
S 25	10 48	4 20	1 44	2 1	2 45	6 13	6 3	22 25	0 47	20 2	1 0	13 18	1 12	23 13	0 7	21 57
M26	10 27	1n57	0 34	2 26	2 55	6 24	6 15	22 19	0 48	20 3	1 0	13 15	1 12	23 13	0 7	21 57
T 27	10 6	7 59	0n35	2 50	3 5	6 35	6 26	22 14	0 48	20 4	1 0	13 13	1 12	23 13	0 7	21 57
W28	9 45	13 34	1 41	3 12	3 15	6 44	6 37	22 8	0 49	20 5	1 0	13 10	1 13	23 13	0 7	21 57
T 29	9 24	18 30	2 41	3 33	3 24	6 52	6 48	22 1	0 50	20 5	1 0	13 7	1 13	23 13	0 7	21 57
F 30	9 3	22 37	3 33	3 51	3 33	6 59	6 59	21 55	0 50	20 6	1 0	13 5	1 13	23 13	0 7	21 57
S 31	8n41	25n46	4n16	4s 6	3s41	7s 4	7s 9	21n49	0n51	20n 7	1s 0	13n 2	1n13	23s13	0s 7	21s58

Julian Day Number = 2508004.5, Delta T = 124.86 sec
 Ecliptic obliquity = 23°25'18, Nutation = - 0°00'03, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 26°54'01, Lahiri = 26°01'02

ASTRODIENST EPHEMERIS for the year 2154

geocentric

SEPTEMBER 2154

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 40 41	8 ^h 38'15	19 ^h 28	2 ^h 5	1 ^h R 5	26 ^h 23	5 ^h II 0	28 ^h 52	20 ^h 41	12 ^h R28	27 ^h II 8	12 ^h R38	13 ^h Y40	16 ^h II28	20 ^h R 8	S 1
M 2	22 44 38	9 ^h 36'15	1 ^h 23	2 ^h 14	0 ^h 50	27 ^h 2	5 ^h 5	29 ^h 0	20 ^h 41	12 ^h 27	27 ^h 8	12 ^h Y36	13 ^h 37	16 ^h 35	20 ^h 28	M 2
T 3	22 48 35	10 ^h 34'17	13 ^h 25	2 ^h R19	0 ^h 33	27 ^h 40	5 ^h 9	29 ^h 8	20 ^h 42	12 ^h 27	27 ^h 9	12 ^h 32	13 ^h 33	16 ^h 42	20 ^h 5	T 3
W 4	22 52 31	11 ^h 32'21	25 ^h 38	2 ^h 17	0 ^h 14	28 ^h 18	5 ^h 13	29 ^h 15	20 ^h 42	12 ^h 26	27 ^h 9	12 ^h 28	13 ^h 30	16 ^h 49	20 ^h 3	W 4
T 5	22 56 28	12 ^h 30'26	8 ^h 6	2 ^h 10	29 ^h 53	28 ^h 57	5 ^h 17	29 ^h 23	20 ^h 42	12 ^h 25	27 ^h 10	12 ^h 23	13 ^h 27	16 ^h 55	20 ^h 1	T 5
F 6	23 0 24	13 ^h 28'34	20 ^h 49	1 ^h 56	29 ^h 29	29 ^h 35	5 ^h 21	29 ^h 30	20 ^h 42	12 ^h 25	27 ^h 10	12 ^h 18	13 ^h 24	17 ^h 2	20 ^h 0	F 6
S 7	23 4 21	14 ^h 26'43	3 ^h 49	1 ^h 36	29 ^h 4	0 ^h 13	5 ^h 24	29 ^h 38	20 ^h 43	12 ^h 24	27 ^h 11	12 ^h 14	13 ^h 21	17 ^h 9	19 ^h 58	S 7
S 8	23 8 17	15 ^h 24'54	17 ^h 5	1 ^h 10	28 ^h 36	0 ^h 51	5 ^h 28	29 ^h 45	20 ^h 43	12 ^h 24	27 ^h 11	12 ^h 11	13 ^h 18	17 ^h 15	19 ^h 57	S 8
M 9	23 12 14	16 ^h 23'06	0 ^h 36	0 ^h 37	28 ^h 7	1 ^h 29	5 ^h 31	29 ^h 53	20 ^h 44	12 ^h 23	27 ^h 12	12 ^h 9	13 ^h 14	17 ^h 22	19 ^h 56	M 9
T 10	23 16 10	17 ^h 21'21	14 ^h 21	29 ^h 58	27 ^h 36	2 ^h 7	5 ^h 34	0 ^h 0	20 ^h 44	12 ^h 23	27 ^h 12	12 ^h D 8	13 ^h 11	17 ^h 29	19 ^h 54	T 10
W11	23 20 7	18 ^h 19'36	28 ^h 16	29 ^h 14	27 ^h 3	2 ^h 44	5 ^h 36	0 ^h 7	20 ^h 45	12 ^h 22	27 ^h 12	12 ^h 9	13 ^h 8	17 ^h 36	19 ^h 53	W11
T 12	23 24 4	19 ^h 17'54	12 ^h 18	28 ^h 24	26 ^h 30	3 ^h 22	5 ^h 39	0 ^h 15	20 ^h 45	12 ^h 22	27 ^h 13	12 ^h 10	13 ^h 5	17 ^h 42	19 ^h 52	T 12
F 13	23 28 0	20 ^h 16'13	26 ^h 27	27 ^h 30	25 ^h 55	4 ^h 0	5 ^h 41	0 ^h 22	20 ^h 46	12 ^h 21	27 ^h 13	12 ^h 12	13 ^h 2	17 ^h 49	19 ^h 51	F 13
S 14	23 31 57	21 ^h 14'34	10 ^h 39	26 ^h 32	25 ^h 19	4 ^h 38	5 ^h 44	0 ^h 30	20 ^h 47	12 ^h 21	27 ^h 13	12 ^h 13	12 ^h 59	17 ^h 56	19 ^h 50	S 14
S 15	23 35 53	22 ^h 12'56	24 ^h 52	25 ^h 32	24 ^h 43	5 ^h 15	5 ^h 46	0 ^h 37	20 ^h 48	12 ^h 21	27 ^h 14	12 ^h R13	12 ^h 55	18 ^h 2	19 ^h 49	S 15
M16	23 39 50	23 ^h 11'20	9 ^h 3	24 ^h 31	24 ^h 6	5 ^h 53	5 ^h 47	0 ^h 44	20 ^h 49	12 ^h 21	27 ^h 14	12 ^h 12	12 ^h 52	18 ^h 9	19 ^h 48	M16
T 17	23 43 46	24 ^h 9'45	23 ^h 11	23 ^h 29	23 ^h 28	6 ^h 30	5 ^h 49	0 ^h 51	20 ^h 49	12 ^h 20	27 ^h 14	12 ^h 11	12 ^h 49	18 ^h 16	19 ^h 48	T 17
W18	23 47 43	25 ^h 8'12	7 ^h 33	22 ^h 29	22 ^h 51	7 ^h 7	5 ^h 50	0 ^h 59	20 ^h 50	12 ^h 20	27 ^h 14	12 ^h 9	12 ^h 46	18 ^h 23	19 ^h 47	W18
T 19	23 51 39	26 ^h 6'40	21 ^h 6	21 ^h 32	22 ^h 15	7 ^h 45	5 ^h 52	1 ^h 6	20 ^h 51	12 ^h 20	27 ^h 14	12 ^h 7	12 ^h 43	18 ^h 29	19 ^h 46	T 19
F 20	23 55 36	27 ^h 5'10	4 ^h 48	20 ^h 39	21 ^h 38	8 ^h 22	5 ^h 53	1 ^h 13	20 ^h 52	12 ^h 20	27 ^h 15	12 ^h 5	12 ^h 39	18 ^h 36	19 ^h 46	F 20
S 21	23 59 33	28 ^h 3'42	18 ^h 15	19 ^h 53	21 ^h 3	8 ^h 59	5 ^h 54	1 ^h 20	20 ^h 54	12 ^h 20	27 ^h 15	12 ^h 3	12 ^h 36	18 ^h 43	19 ^h 46	S 21
S 22	0 3 29	29 ^h 2'15	1 ^h Y27	19 ^h 13	20 ^h 28	9 ^h 36	5 ^h 54	1 ^h 27	20 ^h 55	12 ^h 20	27 ^h 15	12 ^h 2	12 ^h 33	18 ^h 49	19 ^h 45	S 22
M23	0 7 26	0 ^h 5	14 ^h 22	18 ^h 41	19 ^h 55	10 ^h 13	5 ^h 55	1 ^h 34	20 ^h 56	12 ^h 20	27 ^h 15	12 ^h D 2	12 ^h 30	18 ^h 56	19 ^h 45	M23
T 24	0 11 22	0 ^h 59'28	27 ^h 1	18 ^h 18	19 ^h 23	10 ^h 50	5 ^h 55	1 ^h 41	20 ^h 57	12 ^h D20	27 ^h 15	12 ^h 2	12 ^h 27	19 ^h 3	19 ^h 45	T 24
W25	0 15 19	1 ^h 58'08	9 ^h 24	18 ^h 4	18 ^h 53	11 ^h 27	5 ^h R55	1 ^h 48	20 ^h 58	12 ^h 20	27 ^h 15	12 ^h 3	12 ^h 24	19 ^h 9	19 ^h 45	W25
T 26	0 19 15	2 ^h 56'50	21 ^h 35	18 ^h D 0	18 ^h 24	12 ^h 4	5 ^h 55	1 ^h 55	21 ^h 0	12 ^h 20	27 ^h 15	12 ^h 4	12 ^h 20	19 ^h 16	19 ^h D45	T 26
F 27	0 23 12	3 ^h 55'34	3 ^h II35	18 ^h 7	17 ^h 58	12 ^h 41	5 ^h 54	2 ^h 2	21 ^h 1	12 ^h 20	27 ^h R15	12 ^h 5	12 ^h 17	19 ^h 23	19 ^h 45	F 27
S 28	0 27 8	4 ^h 54'20	15 ^h 29	18 ^h 23	17 ^h 33	13 ^h 17	5 ^h 54	2 ^h 9	21 ^h 3	12 ^h 20	27 ^h 15	12 ^h 6	12 ^h 14	19 ^h 30	19 ^h 45	S 28
S 29	0 31 5	5 ^h 53'09	27 ^h 21	18 ^h 48	17 ^h 11	13 ^h 54	5 ^h 53	2 ^h 16	21 ^h 4	12 ^h 20	27 ^h 15	12 ^h 6	12 ^h 11	19 ^h 36	19 ^h 45	S 29
M30	0 35 2	6 ^h 51'59	9 ^h 216	19 ^h 23	16 ^h 50	14 ^h 30	5 ^h II52	2 ^h 23	21 ^h 6	12 ^h 20	27 ^h II15	12 ^h R 6	12 ^h Y 8	19 ^h II43	19 ^h 245	M30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	8n20	27n46	4n47	4s20	3s49	7s 9	7s20	21n42	0n52	20n 8	1s 0	13n 0	1n13	23s13	0s 7	21s58	0n53	15n37	7s46	4n59	5n23	27n17	14s41	7n18			
M 2	7 58	28 31	5 6	4 30	3 56	7 12	7 29	21 36	0 52	20 8	1 0	12 57	1 13	23 13	0 7	21 58	0 53	15 37	7 46	4 58	5 22	27 19	14 42	7 17			
T 3	7 36	27 55	5 12	4 38	4 3	7 14	7 39	21 29	0 53	20 9	1 1	12 55	1 13	23 13	0 7	21 58	0 53	15 37	7 46	4 57	5 21	27 20	14 43	7 17			
W 4	7 14	25 58	5 4	4 43	4 9	7 15	7 48	21 22	0 54	20 10	1 1	12 52	1 13	23 13	0 7	21 58	0 53	15 37	7 47	4 55	5 20	27 21	14 44	7 17			
T 5	6 52	22 45	4 41	4 44	4 13	7 14	7 56	21 15	0 54	20 10	1 1	12 50	1 13	23 13	0 7	21 58	0 53	15 37	7 47	4 53	5 18	27 22	14 44	7 16			
F 6	6 29	18 24	4 5	4 42	4 17	7 12	8 4	21 7	0 55	20 11	1 1	12 47	1 13	23 13	0 7	21 58	0 53	15 37	7 47	4 51	5 17	27 23	14 45	7 16			
S 7	6 7	13 7	3 15	4 36	4 20	7 8	8 11	21 0	0 56	20 11	1 1	12 44	1 13	23 13	0 7	21 58	0 53	15 37	7 47	4 50	5 16	27 24	14 46	7 15			
S 8	5 45	7 8	2 13	4 27	4 21	7 4	8 18	20 52	0 56	20 12	1 1	12 42	1 14	23 13	0 7	21 58	0 53	15 37	7 47	4 49	5 15	27 25	14 46	7 15			
M 9	5 22	0 43	1 3	4 14	4 21	6 57	8 24	20 45	0 57	20 12	1 1	12 39	1 14	23 13	0 7	21 58	0 53	15 36	7 47	4 48	5 13	27 26	14 47	7 14			
T 10	5 0	5s50	0s12	3 57	4 19	6 50	8 29	20 37	0 58	20 13	1 1	12 37	1 14	23 13	0 7	21 59	0 52	15 36	7 47	4 48	5 12	27 27	14 48	7 14			
W11	4 37	12 13	1 27	3 36	4 15	6 41	8 34	20 29	0 58	20 13	1 1	12 34	1 14	23 13	0 7	21 59	0 52	15 36	7 47	4 48	5 11	27 28	14 48	7 13			
T 12	4 14	18 2	2 38	3 11	4 10	6 31	8 37	20 21	0 59	20 13	1 2	12 32	1 14	23 13	0 7	21 59	0 52	15 36	7 48	4 48	5 10	27 29	14 49	7 13			
F 13	3 51	22 55	3 40	2 43	4 2	6 20	8 40	20 13	1 0	20 14	1 2	12 29	1 14	23 13	0 7	21 59	0 52	15 36	7 48	4 49	5 8	27 30	14 50	7 12			
S 14	3 28	26 27	4 29	2 11	3 53	6 7	8 42	20 4	1 1	20 14	1 2	12 27	1 14	23 13	0 7	21 59	0 52	15 36	7 48	4 49	5 7	27 31	14 50	7 12			
S 15	3 5	28 20	5 1	1 37	3 42	5 54	8 42	19 56	1 1	20 14	1 2	12 24	1 14	23 13	0 7	21 59	0 52	15 36	7 48	4 50	5 6	27 32	14 51	7 11			
M16	2 42	28 21	5 15	1 1	3 29	5 39	8 42	19 47	1 2	20 14	1 2	12 22	1 14	23 14	0 7	21 59	0 52	15 36	7 48	4 49	5 5	27 33	14 51	7 11			
T 17	2 19	26 31	5 9	0 23	3 14	5 23	8 41	19 39	1 3	20 14	1 2	12 19	1 15	23 14	0 7	21 59	0 52	15 36	7 48	4 49	5 4	27 34	14 52	7 10			
W18	1 56	23 3	4 46	0n16	2 58	5 7	8 39	19 30	1 3	20 15	1 2	12 17	1 15	23 14	0 7	21 59	0 52	15 35	7 48	4 48	5 2	27 35	14 53	7 10			
T 19	1 33	18 19	4 5	0 54	2 40	4 50	8 36	19 21	1 4	20 15	1 2	12 15	1 15	23 14	0 7	21 59	0 52	15 35	7 48	4 47	5 1	27 36	14 53	7 9			
F 20	1 9	12 43	3 11	1 32	2 21	4 32	8 32	19 12	1 5	20 15	1 2	12 12	1 15	23 14	0 7	21 59	0 52	15 35	7 49	4 46	5 0	27 37	14 54	7 9			
S 21	0 46	6 36	2 8	2 8	2 2	4 14	8 28	19 3	1 5	20 15	1 3	12 10	1 15	23 14	0 7	21 59	0 52	15 35	7 49	4 46	4 59	27 38	14 54	7 8			
S 22	0 23	0 19	0 58	2 42	1 42	3 55	8 22	18 54	1 6	20 15	1 3	12 7	1 15	23 14	0 7	21 59	0 52	15 35	7 49	4 45	4 57	27 39	14 55	7 7			
M23	0s 0	5n52	0n13	3 13	1 22	3 37	8 16	18 44	1 7	20 15	1 3	12 5	1 15	23 14	0 7	21 59	0 52	15 35	7 49	4 45	4 56	27 40	14 56	7 7			
T 24	0 24	11 41	1 22	3 40	1 2	3 18	8 8	18 35	1 8	20 15	1 3	12 2	1 15	23 14	0 7	21 59	0 52	15 35	7 49	4 45	4 55	27 41	14 56	7 6			
W25	0 47	16 55	2 26	4 4	0 42	2 58	8 0	18 26	1 8	20 15	1 3	12 0	1 16	23 14	0 7	21 59	0 52	15 34	7 49	4 46	4 54	27 42	14 57	7 6			
T 26	1 10	21 23	3 22	4 22	0 24	2 39	7 52	18 16	1 9	20 15	1 3	11 58	1 16	23 14	0 7	21 59	0 52	15 34	7 49	4 46	4 52	27 43	14 57	7 5			
F 27	1 34	24 55	4 8	4 37	0 6	2 21	7 42	18 6	1 10	20 14	1 3	11 55	1 16	23 14	0 7	21 59	0 52	15 34	7 49	4 46	4 51	27 43	14 58	7 5			
S 28	1 57	27 20	4 43	4 46	0n11	2 2	7 33	17 57	1 10	20 14	1 3	11 53	1 16	23 15	0 7	21 59	0 52	15 34	7 50	4 47	4 50	27 44	14 58	7 4			
S 29	2 20	28 30	5 6	4 50	0n27	1 44	7 22	17 47	1 11	20 14	1 3	11 51	1 16	23 15	0 7	21 59	0 52	15 34	7 50	4 47	4 49	27 45	14 59	7 4			
M30	2s43	28n22	5n16	4n50	0n42	1s26	7s11	17n37	1n12	20n14	1s 3	11n48	1n16	23s15	0s 7	22s 0	0n52	15n34	7s50	4n47	4n47	27n46	14s59	7n 3			

ASTRODIENST EPHEMERIS for the year 2154
geocentric

OCTOBER 2154

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 38 58	7♂50'52	21♂18	20♂7	16°R33	15♂7	5°R51	2♂30	21♂7	12♂20	27°R15	12°R 6	12°Y 5	19♂50	19♂46	T 1
W 2	0 42 55	8°49'48	3♂31	21° 0	16♂17	15°43	5♂49	2°36	21° 9	12°21	27♂15	12°Y 6	12° 1	19°56	19°46	W 2
T 3	0 46 51	9°48'45	16° 1	22° 0	16° 4	16°20	5°48	2°43	21°11	12°21	27°15	12° 5	11°58	20° 3	19°47	T 3
F 4	0 50 48	10°47'45	28°49	23° 7	15°54	16°56	5°46	2°50	21°12	12°21	27°15	12° 5	11°55	20°10	19°47	F 4
S 5	0 54 44	11°46'47	11♂58	24°20	15°45	17°32	5°44	2°56	21°14	12°21	27°14	12°D 5	11°52	20°17	19°48	S 5
S 6	0 58 41	12°45'51	25°29	25°39	15°40	18° 8	5°42	3° 3	21°16	12°22	27°14	12° 5	11°49	20°23	19°49	S 6
M 7	1 2 37	13°44'57	9♂21	27° 2	15°36	18°44	5°39	3° 9	21°18	12°22	27°14	12°R 5	11°45	20°30	19°50	M 7
T 8	1 6 34	14°44'05	23°31	28°30	15°D35	19°20	5°37	3°15	21°20	12°23	27°14	12° 5	11°42	20°37	19°51	T 8
W 9	1 10 30	15°43'15	7♂54	0♂ 2	15°37	19°56	5°34	3°22	21°22	12°23	27°14	12° 5	11°39	20°43	19°52	W 9
T 10	1 14 27	16°42'27	22°25	1°36	15°41	20°32	5°31	3°28	21°24	12°24	27°13	12° 5	11°36	20°50	19°53	T 10
F 11	1 18 24	17°41'41	6♂58	3°13	15°47	21° 7	5°28	3°34	21°26	12°24	27°13	12° 4	11°33	20°57	19°54	F 11
S 12	1 22 20	18°40'57	21°28	4°52	15°55	21°43	5°25	3°41	21°28	12°25	27°13	12° 3	11°30	21° 4	19°55	S 12
S 13	1 26 17	19°40'15	5♂50	6°32	16° 6	22°18	5°21	3°47	21°30	12°25	27°12	12° 3	11°26	21°10	19°56	S 13
M14	1 30 13	20°39'35	20° 1	8°14	16°18	22°54	5°17	3°53	21°32	12°26	27°12	12°D 3	11°23	21°17	19°58	M14
T 15	1 34 10	21°38'56	4♂ 0	9°57	16°33	23°29	5°13	3°59	21°34	12°27	27°12	12° 3	11°20	21°24	19°59	T 15
W16	1 38 6	22°38'19	17°44	11°40	16°50	24° 5	5° 9	4° 5	21°37	12°27	27°11	12° 3	11°17	21°30	20° 1	W16
T 17	1 42 3	23°37'43	1♂13	13°24	17° 8	24°40	5° 5	4°11	21°39	12°28	27°11	12° 4	11°14	21°37	20° 2	T 17
F 18	1 46 0	24°37'09	14°29	15° 7	17°29	25°15	5° 0	4°16	21°41	12°29	27°10	12° 5	11°10	21°44	20° 4	F 18
S 19	1 49 56	25°36'37	27°31	16°51	17°51	25°50	4°56	4°22	21°44	12°30	27°10	12° 6	11° 7	21°51	20° 6	S 19
S 20	1 53 53	26°36'07	10°Y21	18°35	18°16	26°25	4°51	4°28	21°46	12°31	27° 9	12°R 7	11° 4	21°57	20° 8	S 20
M21	1 57 49	27°35'39	22°58	20°19	18°42	26°59	4°46	4°33	21°49	12°32	27° 9	12° 6	11° 1	22° 4	20° 10	M21
T 22	2 1 46	28°35'13	5♂23	22° 2	19° 9	27°34	4°41	4°39	21°51	12°32	27° 8	12° 5	10°58	22°11	20°12	T 22
W23	2 5 42	29°34'49	17°37	23°45	19°39	28° 9	4°35	4°44	21°54	12°33	27° 8	12° 3	10°55	22°17	20°14	W23
T 24	2 9 39	0♂34'27	29°43	25°28	20° 9	28°43	4°30	4°50	21°56	12°34	27° 7	12° 1	10°51	22°24	20°16	T 24
F 25	2 13 35	1°34'08	11♂40	27°10	20°42	29°18	4°24	4°55	21°59	12°35	27° 7	11°57	10°48	22°31	20°18	F 25
S 26	2 17 32	2°33'50	23°34	28°52	21°16	29°52	4°18	5° 0	22° 1	12°36	27° 6	11°54	10°45	22°38	20°20	S 26
S 27	2 21 28	3°33'35	5♂25	0♂33	21°51	0♂27	4°13	5° 6	22° 4	12°37	27° 6	11°51	10°42	22°44	20°23	S 27
M28	2 25 25	4°33'22	17°18	2°14	22°28	1° 1	4° 6	5°11	22° 7	12°38	27° 5	11°49	10°39	22°51	20°25	M28
T 29	2 29 22	5°33'11	29°18	3°54	23° 5	1°35	4° 0	5°16	22°10	12°40	27° 4	11°48	10°36	22°58	20°28	T 29
W30	2 33 18	6°33'02	11♂28	5°34	23°45	2° 9	3°54	5°21	22°12	12°41	27° 4	11°D48	10°32	23° 4	20°30	W30
T 31	2 37 15	7♂32'55	23♂53	7♂13	24♂25	2♂43	3♂47	5♂26	22♂15	12♂42	27♂3	11°Y49	10°Y29	23♂11	20♂33	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	3s 7	26n53	5n13	4n45	0n55	1s 9	7s 0	17n27	1n12	20n13	1s 4	11n46	1n16	23s15	0s 7	22s 0
W 2	3 30	24 8	4 55	4 35	1 7	0 52	6 49	17 17	1 13	20 13	1 4	11 44	1 17	23 15	0 7	22 0
T 3	3 53	20 13	4 23	4 21	1 17	0 37	6 37	17 6	1 14	20 13	1 4	11 42	1 17	23 15	0 7	22 0
F 4	4 16	15 16	3 38	4 3	1 26	0 21	6 25	16 56	1 15	20 12	1 4	11 39	1 17	23 15	0 7	22 0
S 5	4 39	9 31	2 39	3 41	1 34	0 7	6 12	16 46	1 15	20 12	1 4	11 37	1 17	23 15	0 7	22 0
S 6	5 2	3 11	1 31	3 16	1 41	0n 7	6 0	16 35	1 16	20 11	1 4	11 35	1 17	23 15	0 7	22 0
M 7	5 25	3s28	0 15	2 48	1 46	0 20	5 47	16 25	1 17	20 11	1 4	11 33	1 17	23 16	0 7	22 0
T 8	5 48	10 6	1s 3	2 17	1 50	0 32	5 35	16 14	1 17	20 10	1 4	11 31	1 18	23 16	0 7	22 0
W 9	6 11	16 19	2 18	1 43	1 53	0 43	5 22	16 4	1 18	20 10	1 4	11 28	1 18	23 16	0 7	22 0
T 10	6 34	21 40	3 25	1 8	1 56	0 53	5 9	15 53	1 19	20 9	1 4	11 26	1 18	23 16	0 7	22 0
F 11	6 56	25 43	4 19	0 30	1 57	1 3	4 57	15 42	1 20	20 9	1 4	11 24	1 18	23 16	0 7	22 0
S 12	7 19	28 5	4 57	0s 8	1 57	1 11	4 44	15 31	1 20	20 8	1 4	11 22	1 18	23 16	0 7	22 0
S 13	7 41	28 32	5 15	0 49	1 56	1 19	4 31	15 21	1 21	20 7	1 5	11 20	1 18	23 16	0 7	22 0
M14	8 4	27 6	5 14	1 30	1 55	1 26	4 19	15 10	1 22	20 6	1 5	11 18	1 19	23 17	0 7	21 59
T 15	8 26	24 0	4 54	2 12	1 53	1 31	4 6	14 59	1 22	20 6	1 5	11 16	1 19	23 17	0 7	21 59
W16	8 48	19 35	4 17	2 55	1 51	1 36	3 54	14 48	1 23	20 5	1 5	11 14	1 19	23 17	0 7	21 59
T 17	9 10	14 16	3 27	3 38	1 48	1 40	3 42	14 37	1 24	20 4	1 5	11 12	1 19	23 17	0 7	21 59
F 18	9 32	8 22	2 27	4 21	1 44	1 43	3 30	14 26	1 25	20 3	1 5	11 10	1 19	23 17	0 7	21 59
S 19	9 54	2 12	1 20	5 5	1 40	1 46	3 18	14 14	1 25	20 2	1 5	11 8	1 19	23 17	0 7	21 59
S 20	10 15	3n57	0 10	5 48	1 36	1 47	3 6	14 3	1 26	20 1	1 5	11 6	1 20	23 17	0 7	21 59
M21	10 37	9 50	1n 0	6 32	1 31	1 47	2 55	13 52	1 27	20 1	1 5	11 4	1 20	23 18	0 7	21 59
T 22	10 58	15 16	2 5	7 15	1 26	1 47	2 43	13 41	1 28	20 0	1 5	11 2	1 20	23 18	0 7	21 59
W23	11 19	20 1	3 3	7 58	1 20	1 46	2 32	13 29	1 28	19 59	1 5	11 1	1 20	23 18	0 7	21 59
T 24	11 40	23 52	3 53	8 41	1 15	1 44	2 21	13 18	1 29	19 58	1 5	10 59	1 20	23 18	0 7	21 59
F 25	12 1	26 39	4 32	9 23	1 9	1 41	2 11	13 7	1 30	19 56	1 5	10 57	1 20	23 18	0 7	21 59
S 26	12 21	28 14	4 58	10 5	1 3	1 37	2 0	12 55	1 31	19 55	1 5	10 55	1 21	23 18	0 7	21 59
S 27	12 42	28 31	5 12	10 47	0 56	1 33	1 50	12 44	1 31	19 54	1 5	10 53	1 21	23 19	0 7	21 59
M28	13 2	27 28	5 13	11 27	0 50	1 28	1 40	12 32	1 32	19 53	1 5	10 52	1 21	23 19	0 7	21 59
T 29	13 22	25 10	5 0	12 7	0 44	1 22	1 30	12 21	1 33	19 52	1 5	10 50	1 21	23 19	0 7	21 59
W30	13 42	21 42	4 33	12 47	0 37	1 16	1 20	12 10	1 34	19 51	1 5	10 48	1 21	23 19	0 7	21 59
T 31	14s 1	17n13	3n53	13s26	0n31	1n 8	1s10	11n58	1n34	19n50	1s 5	10n47	1n22	23s19	0s 7	21s59

Julian Day Number = 2508065.5, Delta T = 124.98 sec
Ecliptic obliquity = 23°25'18, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°54'10, Lahiri = 26°01'10

ASTRODIENST EPHEMERIS for the year 2154
geocentric

NOVEMBER 2154

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 41 11	8♌32°51	6♍39	8♌52	25♍7	3♍16	3°R41	5♍30	22°18	12♌43	27°R 2	11♍50	10♍26	23♌18	20♌36	F 1
S 2	2 45 8	9°32'49	19°48	10°30	25°49	3°50	3♌34	5°35	22°21	12°44	27♌1	11°52	10°23	23°25	20°39	S 2
S 3	2 49 4	10°32'48	3♌23	12° 8	26°33	4°24	3°27	5°40	22°24	12°46	27° 1	11°53	10°20	23°31	20°41	S 3
M 4	2 53 1	11°32'50	17°24	13°45	27°18	4°57	3°20	5°44	22°27	12°47	27° 0	11°R53	10°16	23°38	20°44	M 4
T 5	2 56 57	12°32'54	1♌50	15°22	28° 3	5°30	3°13	5°49	22°30	12°48	26°59	11°52	10°13	23°45	20°47	T 5
W 6	3 0 54	13°33'00	16°35	16°58	28°50	6° 4	3° 5	5°53	22°33	12°50	26°58	11°49	10°10	23°51	20°50	W 6
T 7	3 4 51	14°33'08	1♌32	18°34	29°38	6°37	2°58	5°58	22°36	12°51	26°58	11°45	10° 7	23°58	20°54	T 7
F 8	3 8 47	15°33'18	16°33	20° 9	0♌26	7°10	2°51	6° 2	22°39	12°52	26°57	11°40	10° 4	24° 5	20°57	F 8
S 9	3 12 44	16°33'29	1♌28	21°44	1°15	7°43	2°43	6° 6	22°42	12°54	26°56	11°35	10° 1	24°12	21° 0	S 9
S 10	3 16 40	17°33'42	16° 9	23°19	2° 5	8°15	2°35	6°10	22°45	12°55	26°55	11°30	9°57	24°18	21° 3	S 10
M 11	3 20 37	18°33'56	0♌32	24°53	2°56	8°48	2°28	6°14	22°48	12°57	26°54	11°27	9°54	24°25	21° 7	M 11
T 12	3 24 33	19°34'12	14°33	26°27	3°48	9°20	2°20	6°18	22°52	12°58	26°53	11°D26	9°51	24°32	21°10	T 12
W 13	3 28 30	20°34'29	28°11	28° 1	4°40	9°53	2°12	6°21	22°55	13° 0	26°52	11°26	9°48	24°39	21°14	W 13
T 14	3 32 27	21°34'47	11♌28	29°34	5°34	10°25	2° 4	6°25	22°58	13° 1	26°51	11°27	9°45	24°45	21°17	T 14
F 15	3 36 23	22°35'07	24°27	1♌7	6°27	10°57	1°56	6°29	23° 1	13° 3	26°51	11°29	9°42	24°52	21°21	F 15
S 16	3 40 20	23°35'28	7♍10	2°39	7°22	11°29	1°48	6°32	23° 4	13° 5	26°50	11°R30	9°38	24°59	21°24	S 16
S 17	3 44 16	24°35'51	19°40	4°12	8°17	12° 1	1°40	6°36	23° 8	13° 6	26°49	11°29	9°35	25° 5	21°28	S 17
M 18	3 48 13	25°36'15	2♌0	5°44	9°13	12°33	1°32	6°39	23°11	13° 8	26°48	11°27	9°32	25°12	21°32	M 18
T 19	3 52 9	26°36'41	14°11	7°16	10° 9	13° 4	1°24	6°42	23°14	13°10	26°47	11°23	9°29	25°19	21°36	T 19
W 20	3 56 6	27°37'08	26°16	8°47	11° 6	13°36	1°16	6°45	23°18	13°11	26°46	11°16	9°26	25°26	21°40	W 20
T 21	4 0 2	28°37'37	8♌14	10°19	12° 3	14° 7	1° 8	6°48	23°21	13°13	26°45	11° 8	9°22	25°32	21°44	T 21
F 22	4 3 59	29°38'08	20° 9	11°49	13° 1	14°38	1° 0	6°51	23°25	13°15	26°44	10°58	9°19	25°39	21°48	F 22
S 23	4 7 56	0♌38°40	2♌1	13°20	14° 0	15° 9	0°51	6°54	23°28	13°16	26°43	10°48	9°16	25°46	21°52	S 23
S 24	4 11 52	1°39'14	13°53	14°51	14°59	15°40	0°43	6°57	23°31	13°18	26°42	10°39	9°13	25°52	21°56	S 24
M 25	4 15 49	2°39'49	25°46	16°21	15°58	16°11	0°35	6°59	23°35	13°20	26°41	10°31	9°10	25°59	22° 0	M 25
T 26	4 19 45	3°40'26	7♌44	17°51	16°58	16°41	0°27	7° 2	23°38	13°22	26°39	10°25	9° 7	26° 6	22° 4	T 26
W 27	4 23 42	4°41'05	19°52	19°20	17°59	17°11	0°19	7° 4	23°42	13°24	26°38	10°21	9° 3	26°13	22° 9	W 27
T 28	4 27 38	5°41'45	2♌12	20°49	19° 0	17°42	0°11	7° 6	23°45	13°26	26°37	10°D20	9° 0	26°19	22°13	T 28
F 29	4 31 35	6°42'27	14°51	22°18	20° 1	18°12	0° 3	7° 8	23°49	13°28	26°36	10°20	8°57	26°26	22°17	F 29
S 30	4 35 31	7♌43'10	27♌52	23♌46	21♌3	18♌42	29♌54	7♌11	23♌52	13♌29	26♌35	10♌Y21	8♌Y54	26♌I33	22♌22	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	decl lat
F 1	14s20	11n52	3n 1	14s 4	0n24	1n 0	1s 1	11n47	1n35	19n48	1s 5	10n45	1n22	23s19	0s 7	21s59
S 2	14 40	5 51	1 58	14 41	0 17	0 52	0 52	11 35	1 36	19 47	1 5	10 44	1 22	23 20	0 8	21 58
S 3	14 58	0s38	0 46	15 18	0 10	0 43	0 43	11 24	1 37	19 46	1 5	10 42	1 22	23 20	0 8	21 58
M 4	15 17	7 17	0s30	15 54	0 4	0 33	0 35	11 12	1 37	19 44	1 5	10 41	1 22	23 20	0 8	21 58
T 5	15 36	13 46	1 47	16 29	0s 3	0 22	0 26	11 0	1 38	19 43	1 5	10 39	1 23	23 20	0 8	21 58
W 6	15 54	19 37	2 58	17 3	0 10	0 11	0 18	10 49	1 39	19 42	1 5	10 38	1 23	23 20	0 8	21 58
T 7	16 12	24 20	3 58	17 36	0 17	0s 0	0 10	10 37	1 40	19 40	1 5	10 36	1 23	23 20	0 8	21 58
F 8	16 29	27 25	4 42	18 9	0 23	0 12	0 2	10 26	1 41	19 39	1 5	10 35	1 23	23 21	0 8	21 58
S 9	16 46	28 31	5 6	18 40	0 30	0 25	0n 5	10 14	1 41	19 38	1 5	10 34	1 23	23 21	0 8	21 58
S 10	17 4	27 34	5 10	19 11	0 36	0 38	0 13	10 3	1 42	19 36	1 5	10 32	1 24	23 21	0 8	21 58
M 11	17 20	24 48	4 54	19 40	0 43	0 52	0 20	9 51	1 43	19 35	1 5	10 31	1 24	23 21	0 8	21 58
T 12	17 37	20 37	4 21	20 9	0 49	1 6	0 27	9 40	1 44	19 33	1 5	10 30	1 24	23 21	0 8	21 57
W 13	17 53	15 26	3 33	20 36	0 56	1 20	0 34	9 28	1 45	19 32	1 5	10 29	1 24	23 21	0 8	21 57
T 14	18 9	9 39	2 36	21 3	1 2	1 35	0 40	9 17	1 45	19 30	1 5	10 28	1 25	23 22	0 8	21 57
F 15	18 24	3 36	1 31	21 28	1 8	1 51	0 47	9 6	1 46	19 29	1 5	10 26	1 25	23 22	0 8	21 57
S 16	18 39	2n29	0 23	21 53	1 14	2 7	0 53	8 54	1 47	19 27	1 5	10 25	1 25	23 22	0 8	21 57
S 17	18 54	8 22	0n44	22 16	1 20	2 23	0 59	8 43	1 48	19 26	1 4	10 24	1 25	23 22	0 8	21 57
M 18	19 9	13 52	1 49	22 39	1 25	2 39	1 5	8 31	1 49	19 24	1 4	10 23	1 25	23 22	0 8	21 57
T 19	19 23	18 45	2 47	23 0	1 31	2 56	1 10	8 20	1 50	19 23	1 4	10 22	1 26	23 23	0 8	21 57
W 20	19 37	22 49	3 37	23 20	1 36	3 14	1 16	8 9	1 50	19 21	1 4	10 21	1 26	23 23	0 8	21 56
T 21	19 50	25 54	4 18	23 39	1 41	3 31	1 21	7 57	1 51	19 20	1 4	10 20	1 26	23 23	0 8	21 56
F 22	20 3	27 49	4 46	23 56	1 46	3 49	1 26	7 46	1 52	19 18	1 4	10 20	1 26	23 23	0 8	21 56
S 23	20 16	28 27	5 2	24 13	1 51	4 7	1 31	7 35	1 53	19 16	1 4	10 19	1 27	23 23	0 8	21 56
S 24	20 29	27 46	5 5	24 28	1 55	4 26	1 35	7 24	1 54	19 15	1 4	10 18	1 27	23 23	0 8	21 56
M 25	20 41	25 48	4 55	24 42	1 59	4 44	1 40	7 13	1 55	19 13	1 4	10 17	1 27	23 24	0 8	21 56
T 26	20 52	22 42	4 32	24 55	2 3	5 3	1 44	7 2	1 55	19 12	1 3	10 17	1 27	23 24	0 8	21 56
W 27	21 3	18 35	3 57	25 6	2 7	5 23	1 48	6 50	1 56	19 10	1 3	10 16	1 28	23 24	0 8	21 55
T 28	21 14	13 38	3 10	25 16	2 10	5 42	1 52	6 39	1 57	19 9	1 3	10 15	1 28	23 24	0 8	21 55
F 29	21 25	8 0	2 12	25 25	2 13	6 2	1 56	6 29	1 58	19 7	1 3	10 15	1 28	23 24	0 8	21 55
S 30	21s35	1n52	1n 6	25s32	2s16	6s21	2n 0	6n18	1n59	19n 5	1s 3	10n14	1n28	23s24	0s 8	21s55

Julian Day Number = 2508096.5, Delta T = 125.04 sec
Ecliptic obliquity = 23°25'18, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°54'14, Lahiri = 26°01'14

ASTRODIENST EPHEMERIS for the year 2154

geocentric

DECEMBER 2154

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 39 28	8°43'55	11°20	25°14	22°5	19°11	29°R46	7°13	23°56	13°31	26°R34	10°R22	8°Y51	26°II39	22°Z26	S 1
M 2	4 43 25	9°44'42	25°17	26°41	23° 7	19°41	29°B39	7°14	24° 0	13°33	26°II33	10°Y21	8°48	26°46	22°31	M 2
T 3	4 47 21	10°45'30	9°M43	28° 8	24°10	20°10	29°31	7°16	24° 3	13°35	26°32	10°17	8°44	26°53	22°35	T 3
W 4	4 51 18	11°46'20	24°35	29°33	25°13	20°39	29°23	7°18	24° 7	13°37	26°31	10°11	8°41	27° 0	22°40	W 4
T 5	4 55 14	12°47'10	9°A45	0°B58	26°17	21° 8	29°15	7°19	24°10	13°39	26°30	10° 3	8°38	27° 6	22°44	T 5
F 6	4 59 11	13°48'03	25° 4	2°22	27°21	21°37	29° 7	7°21	24°14	13°41	26°28	9°53	8°35	27°13	22°49	F 6
S 7	5 3 7	14°48'56	10°B20	3°45	28°25	22° 6	29° 0	7°22	24°18	13°43	26°27	9°43	8°32	27°20	22°54	S 7
S 8	5 7 4	15°49'50	25°22	5° 6	29°29	22°34	28°52	7°23	24°21	13°45	26°26	9°34	8°28	27°27	22°59	S 8
M 9	5 11 0	16°50'45	10°A22	6°26	0°M34	23° 3	28°45	7°24	24°25	13°48	26°25	9°27	8°25	27°33	23° 3	M 9
T 10	5 14 57	17°51'40	24°15	7°44	1°39	23°30	28°37	7°25	24°28	13°50	26°24	9°22	8°22	27°40	23° 8	T 10
W11	5 18 54	18°52'37	8°H 0	8°59	2°45	23°58	28°30	7°26	24°32	13°52	26°23	9°20	8°19	27°47	23°13	W11
T 12	5 22 50	19°53'33	21°17	10°13	3°50	24°26	28°23	7°27	24°36	13°54	26°21	9°D19	8°16	27°53	23°18	T 12
F 13	5 26 47	20°54'31	4°Y11	11°23	4°56	24°53	28°16	7°28	24°39	13°56	26°20	9°R20	8°13	28° 0	23°23	F 13
S 14	5 30 43	21°55'29	16°46	12°30	6° 2	25°20	28° 9	7°28	24°43	13°58	26°19	9°19	8° 9	28° 7	23°28	S 14
S 15	5 34 40	22°56'27	29° 5	13°33	7° 9	25°47	28° 3	7°28	24°47	14° 0	26°18	9°18	8° 6	28°14	23°33	S 15
M16	5 38 36	23°57'27	11°B13	14°32	8°15	26°14	27°56	7°29	24°50	14° 2	26°17	9°13	8° 3	28°20	23°38	M16
T 17	5 42 33	24°58'27	23°14	15°25	9°22	26°40	27°49	7°29	24°54	14° 5	26°16	9° 6	8° 0	28°27	23°43	T 17
W18	5 46 29	25°59'27	5°II10	16°13	10°29	27° 7	27°43	7°R29	24°58	14° 7	26°14	8°56	7°57	28°34	23°48	W18
T 19	5 50 26	27° 0'28	17° 4	16°54	11°36	27°33	27°37	7°29	25° 1	14° 9	26°13	8°43	7°54	28°40	23°53	T 19
F 20	5 54 23	28° 1'30	28°56	17°28	12°44	27°58	27°31	7°29	25° 5	14°11	26°12	8°29	7°50	28°47	23°58	F 20
S 21	5 58 19	29° 2'33	10°B49	17°54	13°52	28°24	27°25	7°29	25° 9	14°13	26°11	8°14	7°47	28°54	24° 4	S 21
S 22	6 2 16	0°B 3'36	22°43	18°10	15° 0	28°49	27°19	7°28	25°12	14°15	26°10	8° 0	7°44	29° 1	24° 9	S 22
M23	6 6 12	1° 4'40	4°B41	18°R16	16° 8	29°14	27°14	7°28	25°16	14°18	26° 9	7°47	7°41	29° 7	24°14	M23
T 24	6 10 9	2° 5'44	16°43	18°11	17°16	29°39	27° 8	7°27	25°19	14°20	26° 7	7°37	7°38	29°14	24°19	T 24
W25	6 14 5	3° 6'49	28°53	17°55	18°25	0°B 3	27° 3	7°27	25°23	14°22	26° 6	7°31	7°34	29°21	24°25	W25
T 26	6 18 2	4° 7'55	11°M14	17°27	19°33	0°27	26°58	7°26	25°27	14°24	26° 5	7°27	7°31	29°28	24°30	T 26
F 27	6 21 59	5° 9'02	23°50	16°48	20°42	0°51	26°53	7°25	25°30	14°27	26° 4	7°25	7°28	29°34	24°35	F 27
S 28	6 25 55	6°10'09	6°B45	15°57	21°51	1°15	26°48	7°24	25°34	14°29	26° 3	7°25	7°25	29°41	24°41	S 28
S 29	6 29 52	7°11'16	20° 3	14°56	23° 0	1°38	26°44	7°23	25°38	14°31	26° 2	7°25	7°22	29°48	24°46	S 29
M30	6 33 48	8°12'25	3°M48	13°46	24°10	2° 1	26°39	7°21	25°41	14°33	26° 0	7°23	7°19	29°54	24°51	M30
T 31	6 37 45	9°B13'34	18°M 2	12°B30	25°M19	2°B23	26°B35	7°M20	25°A45	14°B36	25°II59	7°Y19	7°Y15	0°B 1	24°B57	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	21s44	4s34	0s 5	25s38	2s18	6s41	2n 3	6n 7	2n 0	19n 4	1s 3	10n14	1n28	23s25	0s 8	21s55	0n50	15n28	7s55	4n 6	3n30	28n24	15s 4	6n34			
M 2	21 54	11 0	1 19	25 43	2 20	7 1	2 6	5 56	2 1	19 2	1 3	10 13	1 29	23 25	0 8	21 55	0 50	15 28	7 55	4 6	3 29	28 25	15 4	6 34			
T 3	22 3	17 5	2 30	25 46	2 22	7 21	2 10	5 45	2 2	19 1	1 2	10 13	1 29	23 25	0 8	21 54	0 50	15 28	7 55	4 4	3 28	28 25	15 4	6 33			
W 4	22 11	22 20	3 33	25 48	2 23	7 42	2 12	5 35	2 3	18 59	1 2	10 12	1 29	23 25	0 8	21 54	0 50	15 28	7 55	4 2	3 26	28 26	15 3	6 33			
T 5	22 19	26 13	4 22	25 49	2 23	8 2	2 15	5 24	2 3	18 58	1 2	10 12	1 29	23 25	0 8	21 54	0 50	15 28	7 55	3 59	3 25	28 26	15 3	6 33			
F 6	22 26	28 12	4 53	25 48	2 24	8 22	2 18	5 14	2 4	18 56	1 2	10 12	1 30	23 25	0 8	21 54	0 49	15 28	7 55	3 55	3 24	28 26	15 2	6 32			
S 7	22 33	28 3	5 3	25 45	2 23	8 43	2 20	5 3	2 5	18 55	1 2	10 11	1 30	23 26	0 8	21 54	0 49	15 28	7 55	3 51	3 23	28 26	15 2	6 32			
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T 31	23s 6	20s20	3s17	20s43	2n 8	16s33	2n36	1n20	2n29	18n28	0s56	10n18	1n36	23s29	0s 8	21s49	0n49	15n28	7s54	2n54	2n53	28n32	14s46	6n27			