



Astrodienst Ephemeris Tables for the year 2022

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 2022

geocentric

JANUARY 2022

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 42 30	10°31'44	15°29	28°31	23°18	13°6	0°33	11°54	10°57	20°40	25°56	1°13	29°32	18°28	8°30	S 1
S 2	6 46 27	11°32'55	0°37	29°35	22°48	13°49	0°45	12°1	10°56	20°41	25°58	1°10	29°29	18°34	8°31	S 2
M 3	6 50 23	12°34'06	15°46	0°57	22°16	14°31	0°56	12°7	10°55	20°42	26°0	1°5	29°25	18°41	8°32	M 3
T 4	6 54 20	13°35'17	0°47	2°16	21°43	15°14	1°8	12°14	10°55	20°43	26°2	0°59	29°22	18°48	8°33	T 4
W 5	6 58 17	14°36'28	15°31	3°32	21°9	15°57	1°20	12°20	10°54	20°45	26°4	0°52	29°19	18°54	8°34	W 5
T 6	7 2 13	15°37'38	29°50	4°43	20°34	16°40	1°33	12°27	10°53	20°46	26°6	0°45	29°16	19°1	8°34	T 6
F 7	7 6 10	16°38'48	13°41	5°50	19°58	17°23	1°45	12°34	10°53	20°47	26°8	0°39	29°13	19°8	8°35	F 7
S 8	7 10 6	17°39'58	27°3	6°52	19°21	18°5	1°57	12°41	10°52	20°48	26°10	0°34	29°10	19°14	8°36	S 8
S 9	7 14 3	18°41'07	9°57	7°47	18°44	18°48	2°9	12°47	10°52	20°49	26°12	0°32	29°6	19°21	8°38	S 9
M10	7 17 59	19°42'16	22°27	8°35	18°8	19°31	2°22	12°54	10°51	20°51	26°14	0°D32	29°3	19°28	8°39	M10
T 11	7 21 56	20°43'24	4°39	9°15	17°31	20°14	2°34	13°1	10°51	20°52	26°16	0°33	29°0	19°34	8°40	T 11
W12	7 25 52	21°44'32	16°38	9°46	16°55	20°57	2°47	13°8	10°50	20°53	26°18	0°34	28°57	19°41	8°41	W12
T 13	7 29 49	22°45'39	28°28	10°8	16°20	21°40	3°0	13°15	10°50	20°55	26°20	0°R35	28°54	19°47	8°42	T 13
F 14	7 33 46	23°46'46	10°14	10°R19	15°46	22°24	3°12	13°22	10°50	20°56	26°22	0°34	28°51	19°54	8°44	F 14
S 15	7 37 42	24°47'52	22°1	10°19	15°13	23°7	3°25	13°28	10°49	20°58	26°24	0°32	28°47	20°1	8°45	S 15
S 16	7 41 39	25°48'58	3°52	10°7	14°41	23°50	3°38	13°35	10°49	20°59	26°26	0°26	28°44	20°7	8°47	S 16
M17	7 45 35	26°50'03	15°50	9°43	14°11	24°33	3°51	13°42	10°49	21°1	26°28	0°19	28°41	20°14	8°48	M17
T 18	7 49 32	27°51'08	27°57	9°8	13°43	25°16	4°4	13°49	10°49	21°2	26°29	0°9	28°38	20°21	8°50	T 18
W19	7 53 28	28°52'12	10°12	8°22	13°17	26°0	4°17	13°56	10°D49	21°4	26°31	29°57	28°35	20°27	8°51	W19
T 20	7 57 25	29°53'15	22°39	7°26	12°53	26°43	4°30	14°3	10°49	21°5	26°33	29°46	28°31	20°34	8°53	T 20
F 21	8 1 22	0°54'18	5°16	6°22	12°31	27°26	4°44	14°11	10°49	21°7	26°35	29°35	28°28	20°41	8°54	F 21
S 22	8 5 18	1°55'21	18°4	5°11	12°12	28°10	4°57	14°18	10°49	21°8	26°37	29°25	28°25	20°47	8°56	S 22
S 23	8 9 15	2°56'22	1°4	3°56	11°55	28°53	5°10	14°25	10°50	21°10	26°39	29°18	28°22	20°54	8°58	S 23
M24	8 13 11	3°57'24	14°17	2°40	11°40	29°37	5°24	14°32	10°50	21°12	26°41	29°14	28°19	21°1	9°0	M24
T 25	8 17 8	4°58'25	27°45	1°23	11°28	0°20	5°37	14°39	10°50	21°13	26°43	29°12	28°16	21°7	9°2	T 25
W26	8 21 4	5°59'25	11°30	0°9	11°19	1°4	5°51	14°46	10°51	21°15	26°45	29°D12	28°12	21°14	9°4	W26
T 27	8 25 1	7°0'25	25°31	29°3	0	11°12	1°47	14°53	10°51	21°17	26°47	29°R13	28°9	21°21	9°6	T 27
F 28	8 28 57	8°1'25	9°49	27°57	11°7	2°31	6°18	15°0	10°51	21°19	26°49	29°12	28°6	21°27	9°8	F 28
S 29	8 32 54	9°2'24	24°23	27°1	11°D 5	3°15	6°31	15°8	10°52	21°20	26°51	29°10	28°3	21°34	9°10	S 29
S 30	8 36 51	10°3'22	9°3	26°13	11°5	3°58	6°45	15°15	10°52	21°22	26°53	29°5	28°0	21°41	9°12	S 30
M31	8 40 47	11°4'20	24°3	25°34	11°3	4°32	6°59	15°22	10°53	21°24	26°55	28°57	27°57	21°47	9°14	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	23s 1	23s55	1s17	22s18	1s49	18s35	2n53	22s30	0s 8	12s13	1s 0	18s 1	0s49	14n44	0s24	S 1
S 2	22 56	25 59	2 33	21 55	1 43	18 25	3 9	22 36	0 9	12 8	1 0	17 59	0 49	14 43	0 24	S 2
M 3	22 51	26 7	3 38	21 30	1 36	18 14	3 24	22 42	0 9	12 4	1 0	17 57	0 49	14 43	0 24	M 3
T 4	22 45	24 20	4 28	21 5	1 28	18 4	3 39	22 47	0 10	12 0	1 0	17 55	0 50	14 43	0 24	T 4
W 5	22 38	20 55	4 58	20 39	1 19	17 55	3 54	22 52	0 11	11 55	1 0	17 53	0 50	14 43	0 24	W 5
T 6	22 31	16 21	5 9	20 12	1 9	17 45	4 9	22 57	0 11	11 51	0 59	17 52	0 50	14 43	0 24	T 6
F 7	22 24	11 3	5 1	19 46	0 59	17 37	4 23	23 2	0 12	11 47	0 59	17 50	0 50	14 42	0 24	F 7
S 8	22 16	5 25	4 37	19 19	0 47	17 28	4 37	23 7	0 13	11 42	0 59	17 48	0 50	14 42	0 24	S 8
S 9	22 8	0n16	3 59	18 52	0 34	17 20	4 51	23 11	0 13	11 38	0 59	17 46	0 50	14 42	0 24	S 9
M10	21 59	5 47	3 11	18 26	0 20	17 12	5 3	23 15	0 14	11 33	0 59	17 44	0 50	14 42	0 24	M10
T 11	21 50	10 57	2 15	18 1	0 5	17 4	5 16	23 19	0 15	11 29	0 59	17 42	0 50	14 42	0 24	T 11
W12	21 41	15 37	1 15	17 37	0n11	16 57	5 27	23 23	0 15	11 24	0 59	17 40	0 50	14 42	0 24	W12
T 13	21 31	19 38	0 11	17 15	0 28	16 51	5 38	23 27	0 16	11 19	0 59	17 38	0 50	14 42	0 24	T 13
F 14	21 21	22 50	0n52	16 55	0 46	16 45	5 48	23 30	0 17	11 15	0 59	17 36	0 50	14 42	0 24	F 14
S 15	21 10	25 4	1 53	16 38	1 4	16 39	5 57	23 33	0 17	11 10	0 59	17 34	0 50	14 42	0 24	S 15
S 16	20 59	26 12	2 49	16 23	1 23	16 34	6 6	23 36	0 18	11 5	0 59	17 32	0 50	14 42	0 24	S 16
M17	20 47	26 6	3 38	16 11	1 41	16 29	6 13	23 38	0 19	11 1	0 59	17 30	0 50	14 42	0 24	M17
T 18	20 35	24 47	4 18	16 3	2 0	16 25	6 20	23 41	0 19	10 56	0 59	17 29	0 50	14 42	0 24	T 18
W19	20 23	22 16	4 46	15 58	2 17	16 22	6 27	23 43	0 20	10 51	0 59	17 27	0 50	14 42	0 24	W19
T 20	20 10	18 42	5 1	15 56	2 34	16 19	6 32	23 45	0 21	10 46	0 59	17 25	0 50	14 42	0 24	T 20
F 21	19 57	14 16	5 2	15 57	2 49	16 16	6 36	23 46	0 22	10 41	0 59	17 23	0 50	14 42	0 24	F 21
S 22	19 44	9 8	4 48	16 1	3 3	16 14	6 40	23 48	0 22	10 36	0 59	17 21	0 50	14 42	0 24	S 22
S 23	19 30	3 32	4 19	16 8	3 14	16 12	6 44	23 49	0 23	10 31	0 59	17 19	0 50	14 42	0 24	S 23
M24	19 16	2s19	3 35	16 16	3 23	16 11	6 46	23 50	0 24	10 26	0 59	17 16	0 50	14 42	0 24	M24
T 25	19 1	8 12	2 39	16 27	3 29	16 10	6 48	23 51	0 24	10 21	0 59	17 14	0 50	14 42	0 24	T 25
W26	18 46	13 48	1 33	16 39	3 33	16 10	6 49	23 51	0 25	10 16	0 59	17 12	0 50	14 42	0 24	W26
T 27	18 31	18 49	0 20	16 52	3 34	16 10	6 49	23 51	0 26	10 11	0 58	17 10	0 51	14 42	0 24	T 27
F 28	18 16	22 51	0s56	17 5	3 33	16 10	6 49	23 51	0 27	10 6	0 58	17 8	0 51	14 43	0 24	F 28
S 29	18 0	25 29	2 10	17 19	3 30	16 11	6 49	23 51	0 27	10 1	0 58	17 6	0 51	14 43	0 24	S 29
S 30	17 43	26 22	3 15	17 33	3 25	16 12	6 48	23 51	0 28	9 56	0 58	17 4	0 51	14 43	0 23	S 30
M31	17s27	25s22	4s 8	17s46	3n19	16s13	6n46	23s50	0s29	9s51	0s58	17s 2	0s51	14n43	0s23	M31

Julian Day Number = 2459580.5, Delta T = 69.29 sec
 Ecliptic obliquity = 23°26'15, Nutation = - 0°00'14, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°02'51, Lahiri = 24°09'52

ASTRODIENST EPHEMERIS for the year 2022

geocentric

FEBRUARY 2022

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 44 44	12°51'17"	8°48'48"	25°R 3	11°13'13"	5°26'26"	7°13'13"	15°29'29"	10°54'54"	21°26'26"	26°57'57"	28°R47	27°53'53"	21°11'11"	9°16'16"	T 1
W 2	8 48 40	13° 6'12"	23°25'25"	24°34'41"	11°20'20"	6°10'10"	7°27'27"	15°36'36"	10°55'55"	21°28'28"	26°59'59"	28°35'35"	27°50'50"	22° 1'1"	9°18'18"	W 2
T 3	8 52 37	14° 7'07"	7°42'42"	24°28'28"	11°30'30"	6°54'54"	7°40'40"	15°43'43"	10°55'55"	21°30'30"	27° 1'1"	28°23'23"	27°47'47"	22° 7'7"	9°21'21"	T 3
F 4	8 56 33	15° 8'00"	21°35'35"	24°D23	11°42'42"	7°37'37"	7°54'54"	15°51'51"	10°56'56"	21°32'32"	27° 3'3"	28°13'13"	27°44'44"	22°14'14"	9°23'23"	F 4
S 5	9 0 30	16° 8'52"	5°1'1"	24°25'25"	11°56'56"	8°21'21"	8° 8'8"	15°58'58"	10°57'57"	21°33'33"	27° 5'5"	28° 4'4"	27°41'41"	22°21'21"	9°25'25"	S 5
S 6	9 4 26	17° 9'42"	18° 0'0"	24°35'35"	12°12'12"	9° 5'5"	8°22'22"	16° 5'5"	10°58'58"	21°35'35"	27° 7'7"	27°58'58"	27°37'37"	22°27'27"	9°28'28"	S 6
M 7	9 8 23	18°10'31"	0°35'35"	24°51'51"	12°30'30"	9°49'49"	8°36'36"	16°12'12"	10°59'59"	21°37'37"	27° 8'8"	27°55'55"	27°34'34"	22°34'34"	9°30'30"	M 7
T 8	9 12 20	19°11'19"	12°50'50"	25°13'13"	12°50'50"	10°33'33"	8°50'50"	16°19'19"	11° 0'0"	21°39'39"	27°10'10"	27°54'54"	27°31'31"	22°41'41"	9°33'33"	T 8
W 9	9 16 16	20°12'05"	24°50'50"	25°41'41"	13°12'12"	11°17'17"	9° 5'5"	16°27'27"	11° 1'1"	21°41'41"	27°12'12"	27°54'54"	27°28'28"	22°47'47"	9°35'35"	W 9
T 10	9 20 13	21°12'50"	6°11'41"	26°15'15"	13°35'35"	12° 1'1"	9°19'19"	16°34'34"	11° 2'2"	21°43'43"	27°14'14"	27°54'54"	27°25'25"	22°54'54"	9°38'38"	T 10
F 11	9 24 9	22°13'33"	18°28'28"	26°53'53"	14° 1'1"	12°45'45"	9°33'33"	16°41'41"	11° 3'3"	21°45'45"	27°16'16"	27°52'52"	27°22'22"	23° 1'1"	9°40'40"	F 11
S 12	9 28 6	23°14'14"	0°31'16"	27°35'35"	14°28'28"	13°29'29"	9°47'47"	16°48'48"	11° 5'5"	21°47'47"	27°18'18"	27°49'49"	27°18'18"	23° 7'7"	9°43'43"	S 12
S 13	9 32 2	24°14'54"	12°11'11"	28°21'21"	14°57'57"	14°14'14"	10° 1'1"	16°55'55"	11° 6'6"	21°49'49"	27°19'19"	27°42'42"	27°15'15"	23°14'14"	9°45'45"	S 13
M14	9 35 59	25°15'33"	24°15'15"	29°11'11"	15°27'27"	14°58'58"	10°16'16"	17° 2'2"	11° 7'7"	21°52'52"	27°21'21"	27°33'33"	27°12'12"	23°21'21"	9°48'48"	M14
T 15	9 39 55	26°16'10"	6°12'32"	0°35'55"	15°59'59"	15°42'42"	10°30'30"	17°10'10"	11° 9'9"	21°54'54"	27°23'23"	27°21'21"	27° 9'9"	23°27'27"	9°51'51"	T 15
W16	9 43 52	27°16'45"	19° 2'2"	1° 1'1"	16°32'32"	16°26'26"	10°44'44"	17°17'17"	11°10'10"	21°56'56"	27°25'25"	27° 8'8"	27° 6'6"	23°34'34"	9°54'54"	W16
T 17	9 47 49	28°17'19"	1°10'46"	2° 1'1"	17° 7'7"	17°11'11"	10°59'59"	17°24'24"	11°11'11"	21°58'58"	27°27'27"	26°54'54"	27° 3'3"	23°41'41"	9°56'56"	T 17
F 18	9 51 45	29°17'51"	14°43'3"	3° 3'3"	17°43'43"	17°55'55"	11°13'13"	17°31'31"	11°13'13"	22° 0'0"	27°28'28"	26°40'40"	26°59'59"	23°47'47"	9°59'59"	F 18
S 19	9 55 42	0°18'22"	27°52'52"	4° 7'7"	18°20'20"	18°39'39"	11°27'27"	17°38'38"	11°15'15"	22° 2'2"	27°30'30"	26°29'29"	26°56'56"	23°54'54"	10° 2'2"	S 19
S 20	9 59 38	1°18'51"	11°13'13"	5°14'14"	18°59'59"	19°24'24"	11°42'42"	17°45'45"	11°16'16"	22° 4'4"	27°32'32"	26°20'20"	26°53'53"	24° 1'1"	10° 5'5"	S 20
M21	10 3 35	2°19'19"	24°43'43"	6°23'23"	19°39'39"	20° 8'8"	11°56'56"	17°52'52"	11°18'18"	22° 6'6"	27°33'33"	26°14'14"	26°50'50"	24° 7'7"	10° 8'8"	M21
T 22	10 7 31	3°19'46"	8°11'22"	7°34'34"	20°20'20"	20°52'52"	12°10'10"	17°59'59"	11°20'20"	22° 9'9"	27°35'35"	26°11'11"	26°47'47"	24°14'14"	10°11'11"	T 22
W23	10 11 28	4°20'11"	22°11'11"	8°47'47"	21° 2'2"	21°37'37"	12°25'25"	18° 6'6"	11°21'21"	22°11'11"	27°37'37"	26°D11	26°43'43"	24°20'20"	10°14'14"	W23
T 24	10 15 24	5°20'35"	6°11'8"	10° 1'1"	21°45'45"	22°21'21"	12°39'39"	18°13'13"	11°23'23"	22°13'13"	27°38'38"	26°R11	26°40'40"	24°27'27"	10°17'17"	T 24
F 25	10 19 21	6°20'58"	20°15'15"	11°18'18"	22°29'29"	23° 6'6"	12°54'54"	18°20'20"	11°25'25"	22°15'15"	27°40'40"	26°10'10"	26°37'37"	24°34'34"	10°20'20"	F 25
S 26	10 23 18	7°21'20"	4°30'30"	12°35'35"	23°14'14"	23°51'51"	13° 8'8"	18°27'27"	11°27'27"	22°17'17"	27°42'42"	26° 8'8"	26°34'34"	24°40'40"	10°23'23"	S 26
S 27	10 27 14	8°21'40"	18°51'51"	13°55'55"	24° 0'0"	24°35'35"	13°23'23"	18°34'34"	11°29'29"	22°20'20"	27°43'43"	26° 3'3"	26°31'31"	24°47'47"	10°26'26"	S 27
M28	10 31 11	9°11'58"	3°15'15"	15°15'15"	24°34'47"	25°20'20"	13°37'37"	18°41'41"	11°31'31"	22°21'21"	27°45'45"	25°35'35"	26°32'32"	24°11'11"	10°29'29"	M28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	17s10	22s37	4s44	18s 0	3n11	16s15	6n44	23s49	0s29	9s46	0s58	17s 0	0s51	14n43	0s23	4s26	1s 7	22s30	1s46	19n53	19n41	25n17	5n35	2n 4			
W 2	16 53	18 26	5 0	18 12	3 2	16 17	6 42	23 48	0 30	9 41	0 58	16 58	0 51	14 44	0 23	4 25	1 7	22 30	1 46	19 51	19 41	25 18	5 35	2 4			
T 3	16 36	13 17	4 57	18 24	2 52	16 19	6 39	23 46	0 31	9 36	0 58	16 56	0 51	14 44	0 23	4 24	1 7	22 30	1 47	19 48	19 40	25 20	5 36	2 4			
F 4	16 18	7 35	4 37	18 35	2 41	16 21	6 36	23 45	0 32	9 30	0 58	16 54	0 51	14 44	0 23	4 23	1 7	22 29	1 47	19 46	19 39	25 21	5 37	2 4			
S 5	16 0	1 42	4 2	18 46	2 31	16 23	6 32	23 43	0 32	9 25	0 58	16 52	0 51	14 44	0 23	4 23	1 7	22 29	1 47	19 44	19 38	25 22	5 38	2 4			
S 6	15 41	4n 4	3 15	18 55	2 19	16 26	6 29	23 41	0 33	9 20	0 58	16 50	0 51	14 45	0 23	4 22	1 7	22 29	1 47	19 42	19 38	25 23	5 38	2 3			
M 7	15 23	9 30	2 19	19 4	2 8	16 28	6 24	23 38	0 34	9 15	0 58	16 48	0 51	14 45	0 23	4 21	1 7	22 29	1 47	19 42	19 37	25 24	5 39	2 3			
T 8	15 4	14 26	1 19	19 11	1 56	16 31	6 20	23 36	0 35	9 9	0 58	16 45	0 51	14 45	0 23	4 20	1 7	22 28	1 47	19 41	19 36	25 25	5 40	2 3			
W 9	14 45	18 43	0 16	19 18	1 44	16 33	6 15	23 33	0 35	9 4	0 58	16 43	0 51	14 46	0 23	4 20	1 7	22 28	1 47	19 41	19 36	25 27	5 41	2 3			
T 10	14 26	22 11	0n46	19 23	1 33	16 36	6 11	23 29	0 36	8 59	0 58	16 41	0 51	14 46	0 23	4 19	1 7	22 28	1 47	19 41	19 35	25 28	5 42	2 3			
F 11	14 6	24 42	1 47	19 27	1 21	16 38	6 6	23 26	0 37	8 53	0 58	16 39	0 51	14 47	0 23	4 18	1 7	22 28	1 47	19 41	19 34	25 29	5 43	2 3			
S 12	13 46	26 9	2 42	19 30	1 10	16 41	6 0	23 23	0 37	8 48	0 58	16 37	0 52	14 47	0 23	4 17	1 7	22 27	1 47	19 40	19 33	25 30	5 44	2 3			
S 13	13 26	26 23	3 31	19 32	0 58	16 43	5 55	23 19	0 38	8 43	0 58	16 35	0 52	14 47	0 23	4 16	1 7	22 27	1 48	19 39	19 33	25 31	5 45	2 2			
M14	13 6	25 23	4 11	19 33	0 47	16 46	5 49	23 15	0 39	8 37	0 58	16 33	0 52	14 48	0 23	4 15	1 7	22 27	1 48	19 37	19 32	25 32	5 45	2 2			
T 15	12 46	23 10	4 41	19 32	0 37	16 48	5 43	23 10	0 40	8 32	0 58	16 31	0 52	14 48	0 23	4 15	1 7	22 27	1 48	19 34	19 31	25 33	5 46	2 2			
W16	12 25	19 49	4 57	19 30	0 26	16 50	5 37	23 6	0 40	8 26	0 58	16 29	0 52	14 49	0 23	4 14	1 7	22 26	1 48	19 31	19 31	25 35	5 47	2 2			
T 17	12 4	15 29	4 59	19 27	0 16	16 52	5 31	23 1	0 41	8 21	0 58	16 27	0 52	14 49	0 23	4 13	1 7	22 26	1 48	19 28	19 30	25 36	5 48	2 2			
F 18	11 43	10 24	4 45	19 23	0 6	16 53	5 25	22 56	0 42	8 15	0 58	16 25	0 52	14 50	0 23	4 12	1 7	22 26	1 48	19 25	19 29	25 37	5 49	2 2			
S 19	11 22	4 46	4 17	19 17	0s 4	16 55	5 19	22 51	0 43	8 10	0 58	16 22	0 52	14 50	0 23	4 11	1 7	22 26	1 48	19 22	19 28	25 38	5 50	2 2			
S 20	11 0	1s10	3 34	19 11	0 13	16 56	5 13	22 45	0 43	8 5	0 58	16 20	0 52	14 51	0 23	4 10	1 7	22 25	1 48	19 20	19 28	25 39	5 51	2 2			
M21	10 39	7 7	2 38	19 2	0 23	16 57	5 6	22 39	0 44	7 59	0 58	16 18	0 52	14 51	0 23	4 10	1 7	22 25	1 49	19 19	19 27	25 40	5 52	2 1			
T 22	10 17	12 50	1 33	18 53	0 31	16 57	5 0	22 33	0 45	7 54	0 58	16 16	0 52	14 52	0 23	4 9	1 7	22 25	1 49	19 18	19 26	25 41	5 53	2 1			
W23	9 55	17 58	0 21	18 42	0 40	16 58	4 53	22 27	0 46	7 48	0 58	16 14	0 52	14 52	0 23	4 8	1 7	22 25	1 49	19 18	19 25	25 42	5 54	2 1			
T 24	9 33	22 11	0s52	18 30	0 48	16 58	4 47	22 21	0 46	7 43	0 58	16 12	0 53	14 53	0 23	4 7	1 7	22 25	1 49	19 18	19 25	25 43	5 55	2 1			
F 25	9 11	25 8	2 4	18 17	0 56	16 58	4 40	22 14	0 47	7 37	0 58	16 10	0 53	14 54	0 23	4 6	1 7	22 24	1 49	19 18	19 24	25 44	5 57	2 1			
S 26	8 49	26 29	3 8	18 2	1 3	16 57	4 33	22 7	0 48	7 31	0 58	16 8	0 53	14 54	0 23	4 5	1 7	22 24	1 49	19 17	19 23	25 45	5 58	2 1			
S 27	8 26	26 5	4 1	17 46	1 10	16 56	4 26	22 0	0 49	7 26	0 58	16 6	0 53	14 55	0 23	4 4	1 7	22 24	1 49	19 16	19 23	25 47	5 59	2 1			
M28	8s 3	23s56	4s38	17s29	1s17	16s55	4n20	21s53	0s49	7s20	0s59	16s 4	0s53	14n56	0s23	4s 3	1s 7	22s24	1s49	19n14	19n22	25n48	6n 0	2n			

ASTRODIENST EPHEMERIS for the year 2022

geocentric

APRIL 2022

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 37 20	11°14'43"	8°0'0"	9°12'12"	25°55'5"	19°20'20"	21°18'18"	22°22'22"	12°53'53"	23°34'34"	28°24'24"	23°07'07"	24°46'46"	28°27'27"	12°17'17"	F 1
S 2	12 41 17	12°13'58"	21°0'2"	11°13'13"	26°0'8"	20°0'5"	21°32'32"	22°0'8"	12°56'56"	23°36'36"	28°25'25"	23°0'1"	24°43'43"	28°34'34"	12°21'21"	S 2
S 3	12 45 13	13°13'10"	3°46'46"	13°15'15"	27°11'11"	20°50'50"	21°46'46"	22°13'13"	13°0'0"	23°38'38"	28°26'26"	22°57'57"	24°40'40"	28°40'40"	12°24'24"	S 3
M 4	12 49 10	14°12'21"	16°14'14"	15°18'18"	28°15'15"	21°35'35"	22°0'0"	22°19'19"	13°3'3"	23°41'41"	28°26'26"	22°56'56"	24°36'36"	28°47'47"	12°28'28"	M 4
T 5	12 53 7	15°11'29"	28°27'27"	17°22'22"	29°19'19"	22°21'21"	22°14'14"	22°24'24"	13°6'6"	23°43'43"	28°27'27"	22°55'55"	24°33'33"	28°54'54"	12°31'31"	T 5
W 6	12 57 3	16°10'35"	10°28'28"	19°27'27"	0°23'23"	23°6'6"	22°28'28"	22°29'29"	13°9'9"	23°45'45"	28°28'28"	22°57'57"	24°30'30"	29°0'0"	12°35'35"	W 6
T 7	13 1 0	17°9'39"	22°21'21"	21°31'31"	1°28'28"	23°51'51"	22°42'42"	22°34'34"	13°12'12"	23°47'47"	28°28'28"	22°58'58"	24°27'27"	29°7'7"	12°38'38"	T 7
F 8	13 4 56	18°8'41"	4°23'23"	23°36'36"	2°32'32"	24°37'37"	22°56'56"	22°39'39"	13°15'15"	23°49'49"	28°29'29"	23°0'0"	24°24'24"	29°14'14"	12°42'42"	F 8
S 9	13 8 53	19°7'40"	16°0'2"	25°41'41"	3°37'37"	25°22'22"	23°9'9"	22°44'44"	13°19'19"	23°51'51"	28°30'30"	23°0'1"	24°20'20"	29°20'20"	12°45'45"	S 9
S 10	13 12 49	20°6'37"	28°0'0"	27°45'45"	4°42'42"	26°7'7"	23°23'23"	22°49'49"	13°22'22"	23°53'53"	28°30'30"	23°1'1"	24°17'17"	29°27'27"	12°49'49"	S 10
M 11	13 16 46	21°5'32"	10°8'8"	29°49'49"	5°48'48"	26°53'53"	23°37'37"	22°54'54"	13°25'25"	23°55'55"	28°31'31"	22°59'59"	24°14'14"	29°34'34"	12°52'52"	M 11
T 12	13 20 42	22°4'25"	22°33'33"	1°52'52"	6°53'53"	27°38'38"	23°50'50"	22°59'59"	13°28'28"	23°58'58"	28°31'31"	22°56'56"	24°11'11"	29°40'40"	12°56'56"	T 12
W 13	13 24 39	23°3'15"	5°17'17"	3°53'53"	7°59'59"	28°23'23"	24°4'4"	23°4'4"	13°32'32"	24°0'0"	28°32'32"	22°52'52"	24°8'8"	29°47'47"	12°59'59"	W 13
T 14	13 28 36	24°2'03"	18°22'22"	5°53'53"	9°0'0"	29°9'9"	24°18'18"	23°8'8"	13°35'35"	24°2'2"	28°32'32"	22°47'47"	24°5'5"	29°54'54"	13°3'3"	T 14
F 15	13 32 32	25°0'49"	1°50'50"	7°50'50"	10°10'10"	29°54'54"	24°31'31"	23°13'13"	13°38'38"	24°4'4"	28°33'33"	22°43'43"	24°1'1"	0°0'0"	13°6'6"	F 15
S 16	13 36 29	25°59'32"	15°39'39"	9°45'45"	11°16'16"	0°40'40"	24°45'45"	23°18'18"	13°42'42"	24°6'6"	28°33'33"	22°39'39"	23°58'58"	0°7'7"	13°10'10"	S 16
S 17	13 40 25	26°58'14"	29°47'47"	11°38'38"	12°23'23"	1°25'25"	24°58'58"	23°22'22"	13°45'45"	24°8'8"	28°34'34"	22°36'36"	23°55'55"	0°14'14"	13°13'13"	S 17
M 18	13 44 22	27°56'54"	14°8'8"	13°27'27"	13°29'29"	2°10'10"	25°11'11"	23°26'26"	13°48'48"	24°10'10"	28°34'34"	22°35'35"	23°52'52"	0°20'20"	13°17'17"	M 18
T 19	13 48 18	28°55'32"	28°37'37"	15°13'13"	14°36'36"	2°56'56"	25°25'25"	23°31'31"	13°52'52"	24°12'12"	28°34'34"	22°35'35"	23°49'49"	0°27'27"	13°20'20"	T 19
W 20	13 52 15	29°54'08"	13°17'17"	16°56'56"	15°43'43"	3°41'41"	25°38'38"	23°35'35"	13°55'55"	24°13'13"	28°35'35"	22°36'36"	23°46'46"	0°34'34"	13°23'23"	W 20
T 21	13 56 11	0°52'42"	27°40'40"	18°35'35"	16°49'49"	4°26'26"	25°51'51"	23°39'39"	13°58'58"	24°15'15"	28°35'35"	22°37'37"	23°42'42"	0°40'40"	13°27'27"	T 21
F 22	14 0 8	1°51'15"	12°3'4"	20°9'9"	17°57'57"	5°12'12"	26°4'4"	23°43'43"	14°2'2"	24°17'17"	28°35'35"	22°38'38"	23°39'39"	0°47'47"	13°30'30"	F 22
S 23	14 4 5	2°49'47"	26°18'18"	21°40'40"	19°4'4"	5°57'57"	26°17'17"	23°47'47"	14°5'5"	24°19'19"	28°35'35"	22°39'39"	23°36'36"	0°54'54"	13°34'34"	S 23
S 24	14 8 1	3°48'16"	10°21'21"	23°6'6"	20°11'11"	6°42'42"	26°30'30"	23°51'51"	14°9'9"	24°21'21"	28°35'35"	22°39'39"	23°33'33"	1°1'1"	13°37'37"	S 24
M 25	14 11 58	4°46'44"	24°10'10"	24°27'27"	21°19'19"	7°28'28"	26°43'43"	23°55'55"	14°12'12"	24°23'23"	28°36'36"	22°38'38"	23°30'30"	1°7'7"	13°40'40"	M 25
T 26	14 15 54	5°45'11"	7°46'46"	25°44'44"	22°26'26"	8°13'13"	26°56'56"	23°59'59"	14°16'16"	24°25'25"	28°36'36"	22°37'37"	23°26'26"	1°14'14"	13°44'44"	T 26
W 27	14 19 51	6°43'36"	21°8'8"	26°57'57"	23°34'34"	8°59'59"	27°9'9"	24°2'2"	14°19'19"	24°27'27"	28°36'36"	22°35'35"	23°23'23"	1°21'21"	13°47'47"	W 27
T 28	14 23 47	7°41'59"	4°16'16"	28°4'4"	24°42'42"	9°44'44"	27°21'21"	24°6'6"	14°22'22"	24°28'28"	28°36'36"	22°32'32"	23°20'20"	1°27'27"	13°50'50"	T 28
F 29	14 27 44	8°40'20"	17°10'10"	29°6'6"	25°50'50"	10°29'29"	27°34'34"	24°10'10"	14°26'26"	24°30'30"	28°36'36"	22°30'30"	23°17'17"	1°34'34"	13°54'54"	F 29
S 30	14 31 40	9°38'40"	29°50'50"	0°11'11"	26°58'58"	11°15'15"	27°47'47"	24°13'13"	14°29'29"	24°32'32"	28°36'36"	22°29'29"	23°14'14"	1°34'34"	13°57'57"	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
F 1	4n27	0s11	3s39	2n27	1s18	12s21	0n52	16s11	1s13	4s23	1s1	15s3	0s57	15n21	0s22	3s35	1s7	22s20	1s54	18n33	18n58	26n17	6n40	1n58	
S 2	4 50	5n40	2 44	3 22	1 10	12 5	0 46	15 57	1 13	4 17	1 1	15 2	0 57	15 22	0 22	3 34	1 7	22 20	1 54	18 32	18 57	26 18	6 41	1 58	
S 3	5 13	11 10	1 42	4 17	1 2	11 48	0 41	15 43	1 14	4 12	1 1	15 0	0 57	15 23	0 22	3 33	1 7	22 20	1 54	18 31	18 56	26 19	6 42	1 57	
M 4	5 36	16 7	0 36	5 13	0 53	11 32	0 35	15 29	1 15	4 6	1 1	14 58	0 57	15 24	0 22	3 33	1 7	22 20	1 54	18 30	18 55	26 20	6 44	1 57	
T 5	5 59	20 18	0n30	6 9	0 44	11 14	0 30	15 15	1 16	4 1	1 1	14 57	0 57	15 25	0 22	3 32	1 8	22 20	1 54	18 30	18 54	26 20	6 45	1 57	
W 6	6 22	23 34	1 34	7 5	0 34	10 57	0 25	15 1	1 16	3 55	1 1	14 55	0 57	15 26	0 22	3 31	1 8	22 20	1 54	18 30	18 54	26 21	6 46	1 57	
T 7	6 44	25 46	2 34	8 1	0 24	10 39	0 20	14 47	1 17	3 50	1 1	14 54	0 58	15 27	0 22	3 30	1 8	22 20	1 54	18 31	18 53	26 22	6 47	1 57	
F 8	7 7	26 48	3 26	8 57	0 14	10 21	0 14	14 32	1 18	3 45	1 1	14 52	0 58	15 28	0 22	3 29	1 8	22 20	1 55	18 31	18 52	26 23	6 49	1 57	
S 9	7 29	26 37	4 10	9 53	0 3	10 2	0 9	14 18	1 18	3 39	1 1	14 51	0 58	15 29	0 22	3 29	1 8	22 20	1 55	18 31	18 51	26 24	6 50	1 57	
S 10	7 52	25 11	4 44	10 48	0n8	9 43	0 4	14 3	1 19	3 34	1 1	14 49	0 58	15 30	0 22	3 28	1 8	22 20	1 55	18 31	18 51	26 24	6 51	1 57	
M11	8 14	22 35	5 5	11 42	0 19	9 24	0s1	13 48	1 20	3 29	1 2	14 48	0 58	15 31	0 22	3 27	1 8	22 20	1 55	18 31	18 50	26 25	6 53	1 57	
T 12	8 36	18 55	5 13	12 36	0 30	9 4	0 5	13 33	1 20	3 23	1 2	14 46	0 58	15 32	0 22	3 26	1 8	22 20	1 55	18 30	18 49	26 26	6 54	1 57	
W13	8 58	14 18	5 5	13 28	0 41	8 44	0 10	13 18	1 21	3 18	1 2	14 45	0 58	15 33	0 22	3 25	1 8	22 20	1 55	18 29	18 48	26 27	6 55	1 57	
T 14	9 19	8 56	4 42	14 18	0 53	8 24	0 15	13 3	1 22	3 13	1 2	14 44	0 59	15 34	0 22	3 25	1 8	22 20	1 55	18 28	18 47	26 27	6 57	1 57	
F 15	9 41	2 59	4 3	15 7	1 4	8 3	0 19	12 47	1 22	3 8	1 2	14 42	0 59	15 35	0 22	3 24	1 8	22 20	1 56	18 27	18 47	26 28	6 58	1 57	
S 16	10 2	3s15	3 9	15 55	1 14	7 42	0 24	12 32	1 23	3 2	1 2	14 41	0 59	15 36	0 22	3 23	1 8	22 20	1 56	18 26	18 46	26 29	6 59	1 57	
S 17	10 24	9 29	2 2	16 40	1 25	7 21	0 28	12 16	1 23	2 57	1 2	14 39	0 59	15 37	0 22	3 22	1 8	22 20	1 56	18 25	18 45	26 29	7 1	1 57	
M18	10 45	15 20	0 46	17 23	1 35	6 59	0 32	12 1	1 24	2 52	1 2	14 38	0 59	15 38	0 22	3 21	1 8	22 20	1 56	18 25	18 44	26 30	7 2	1 57	
T 19	11 6	20 24	0s33	18 4	1 45	6 37	0 36	11 45	1 25	2 47	1 2	14 37	0 59	15 39	0 22	3 21	1 8	22 20	1 56	18 25	18 43	26 31	7 3	1 57	
W20	11 26	24 13	1 51	18 43	1 54	6 15	0 40	11 29	1 25	2 42	1 3	14 36	0 59	15 40	0 22	3 20	1 8	22 21	1 56	18 25	18 43	26 31	7 5	1 57	
T 21	11 47	26 26	3 1	19 19	2 2	5 53	0 44	11 13	1 26	2 37	1 3	14 34	1 0	15 41	0 22	3 19	1 8	22 21	1 56	18 25	18 42	26 32	7 6	1 57	
F 22	12 7	26 52	4 0	19 52	2 10	5 30	0 48	10 57	1 27	2 32	1 3	14 33	1 0	15 42	0 22	3 18	1 8	22 21	1 57	18 26	18 41	26 33	7 7	1 57	
S 23	12 27	25 31	4 43	20 23	2 17	5 7	0 52	10 41	1 27	2 26	1 3	14 32	1 0	15 43	0 22	3 18	1 8	22 21	1 57	18 26	18 40	26 33	7 8	1 56	
S 24	12 47	22 35	5 8	20 52	2 24	4 44	0 56	10 24	1 28	2 21	1 3	14 31	1 0	15 44	0 22	3 17	1 8	22 21	1 57	18 26	18 40	26 34	7 10	1 56	
M25	13 7	18 25	5 15	21 18	2 29	4 21	0 59	10 8	1 28	2 16	1 3	14 30	1 0	15 45	0 22	3 16	1 8	22 21	1 57	18 26	18 39	26 35	7 11	1 56	
T 26	13 26	13 22	5 5	21 41	2 34	3 58	1 3	9 52	1 29	2 11	1 3	14 29	1 0	15 46	0 22	3 16	1 8	22 21	1 57	18 25	18 38	26 35	7 12	1 56	
W27	13 46	7 46	4 37	22 2	2 38	3 34	1 6	9 35	1 30	2 6	1 4	14 28	1 1	15 47	0 22	3 15	1 8	22 21	1 57	18 25	18 37	26 36	7 14	1 56	
T 28	14 5	1 55	3 56	22 20	2 40	3 10	1 9	9 19	1 30	2 2	1 4	14 27	1 1	15 48	0 22	3 14	1 8	22 21	1 58	18 24	18 36	26 37	7 15	1 56	
F 29	14 23	3n55	3 3	22 36	2 42	2 46	1 12	9 2	1 31	1 57	1 4	14 26	1 1	15 49	0 22	3 14	1 8	22 22	1 58	18 24	18 36	26 37	7 16	1 56	
S 30	14n42	9n31	2s2	22n49	2n43	2s22	1s15	8s45	1s31	1s52	1s4	14s25	1s1	15n50	0s22	3s13	1s8	22s22	1s58	18n23	18n35	26n38	7n17	1n56	

ASTRODIENST EPHEMERIS for the year 2022

geocentric

MAY 2022

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 35 37	10°36'58	12°18'18	0°11'56	28°18'6	12°18'0	27°18'59	24°18'16	14°18'33	24°18'34	28°18'36	22°18'28	23°18'11	1°18'47	14°18'0	S 1
M 2	14 39 33	11°35'14	24°33'33	1°43'29	29°12'45	12°45'28	28°12'24	24°20'23	14°36'24	24°35'28	28°36'22	22°18'28	23°7'15	1°54'14	14°3'3	M 2
T 3	14 43 30	12°33'29	6°11'38	2°25'07	13°30'28	28°24'24	24°23'14	24°37'28	14°40'24	24°37'28	28°36'22	22°18'28	23°4'23	2°1'14	14°6'6	T 3
W 4	14 47 27	13°31'42	18°36'30	3°2'13	14°16'28	28°36'24	24°26'14	24°36'14	14°43'24	24°39'24	28°36'22	22°29'23	23°1'23	2°7'14	14°10'10	W 4
T 5	14 51 23	14°29'52	0°27'27	3°33'23	2°39'15	15°1'28	28°49'24	24°29'14	14°47'24	24°40'28	28°36'22	22°30'22	22°58'22	2°14'14	14°13'13	T 5
F 6	14 55 20	15°28'01	12°16'12	3°59'34	3°48'15	15°46'29	29°1'24	24°32'14	14°50'24	24°42'28	28°35'22	22°31'22	22°55'22	2°21'14	14°16'16	F 6
S 7	14 59 16	16°26'08	24°8'24	4°20'42	4°57'16	16°31'29	29°13'24	24°35'14	14°54'24	24°43'28	28°35'22	22°31'22	22°52'22	2°27'14	14°19'19	S 7
S 8	15 3 13	17°24'14	6°12'5	4°36'6	6°5'17	17°17'29	29°25'24	24°37'14	14°57'24	24°45'28	28°35'22	22°32'22	22°48'22	2°34'14	14°22'22	S 8
M 9	15 7 9	18°22'17	18°12'46	4°46'7	7°14'18	18°2'29	29°37'24	24°40'15	15°1'24	24°47'28	28°35'22	22°R32	22°45'22	2°41'14	14°25'25	M 9
T 10	15 11 6	19°20'18	0°11'35	4°R51	8°23'18	18°47'29	29°49'24	24°42'15	15°4'24	24°48'28	28°34'22	22°32'22	22°42'22	2°47'14	14°28'28	T 10
W 11	15 15 3	20°18'17	13°17'45	4°51'9	9°32'19	19°32'0	0°11'0	24°45'15	15°7'24	24°50'28	28°34'22	22°32'22	22°39'22	2°54'14	14°31'31	W 11
T 12	15 18 59	21°16'15	26°21'46	4°46'10	10°41'20	20°17'0	0°12'24	24°47'15	15°11'24	24°51'28	28°34'22	22°31'22	22°36'22	3°1'14	14°34'34	T 12
F 13	15 22 56	22°14'10	9°12'50	4°36'11	11°51'21	21°2'0	0°24'03	24°49'15	15°14'24	24°52'28	28°33'22	22°D31	22°32'22	3°7'14	14°37'37	F 13
S 14	15 26 52	23°12'04	23°45'42	4°22'13	13°0'21	21°47'03	0°35'24	24°52'15	15°18'24	24°54'28	28°33'22	22°31'22	22°29'22	3°14'14	14°40'40	S 14
S 15	15 30 49	24°9'57	8°13'3	4°4'14	14°9'22	22°32'0	0°46'24	24°54'15	15°21'24	24°55'28	28°33'22	22°31'22	22°26'22	3°21'14	14°43'43	S 15
M 16	15 34 45	25°7'47	22°41'34	3°42'15	15°19'23	23°17'0	0°58'24	24°56'15	15°25'24	24°57'28	28°32'22	22°R31	22°23'22	3°27'14	14°46'46	M 16
T 17	15 38 42	26°5'37	7°11'30	3°16'16	16°28'24	24°2'1	1°9'24	24°58'15	15°28'24	24°58'28	28°32'22	22°31'22	22°20'22	3°34'14	14°49'49	T 17
W 18	15 42 38	27°3'25	22°33'24	2°48'17	17°38'24	24°47'12	1°20'24	24°59'15	15°31'24	24°59'28	28°31'22	22°31'22	22°17'22	3°41'14	14°51'51	W 18
T 19	15 46 35	28°1'11	7°26'26	2°17'18	18°47'25	25°32'1	1°31'25	15°35'25	15°35'25	15°35'25	28°31'22	22°31'22	22°13'22	3°47'14	14°54'54	T 19
F 20	15 50 32	28°58'57	22°11'14	1°45'19	19°57'26	26°17'1	1°42'25	15°38'25	15°38'25	15°38'25	28°30'22	22°30'22	22°10'22	3°54'14	14°57'57	F 20
S 21	15 54 28	29°56'41	6°11'41	1°11'21	21°7'27	27°2'1	1°53'25	15°42'25	15°42'25	15°42'25	28°30'22	22°29'22	22°7'22	4°1'15	15°0'0	S 21
S 22	15 58 25	0°11'54	20°51'20	0°36'22	22°16'27	27°47'2	2°3'25	15°45'25	15°45'25	15°45'25	28°29'22	22°29'22	22°4'22	4°7'15	15°2'2	S 22
M 23	16 2 21	1°52'07	4°11'40	0°2'23	23°26'28	28°32'2	2°14'25	15°48'25	15°48'25	15°48'25	28°28'22	22°D29	22°1'22	4°14'15	15°5'5	M 23
T 24	16 6 18	2°49'48	18°8'29	2°18'28	24°36'29	29°17'2	2°24'25	15°52'25	15°52'25	15°52'25	28°28'22	22°29'22	21°57'22	4°21'15	15°8'8	T 24
W 25	16 10 14	3°47'28	1°16'16	2°55'28	25°46'0	0°1'1	2°35'25	15°55'25	15°55'25	15°55'25	28°27'22	22°30'22	21°54'22	4°28'15	15°10'10	W 25
T 26	16 14 11	4°45'07	14°7'28	2°55'28	26°56'0	0°46'2	2°45'25	15°58'25	15°58'25	15°58'25	28°26'22	22°31'22	21°51'22	4°34'15	15°13'13	T 26
F 27	16 18 7	5°42'45	26°42'27	2°55'28	28°7'7	1°31'2	2°55'25	15°11'16	16°2'25	15°10'25	28°26'22	22°32'22	21°48'22	4°41'15	15°15'15	F 27
S 28	16 22 4	6°40'22	9°14'27	2°58'29	29°17'2	2°15'3	3°5'25	15°12'16	16°5'25	15°11'25	28°25'22	22°33'22	21°45'22	4°48'15	15°18'18	S 28
S 29	16 26 1	7°37'58	21°16'27	2°5'08	27°5'3	3°0'15	3°15'25	15°13'16	16°8'25	15°12'25	28°24'22	22°R33	21°42'22	4°54'15	15°20'20	S 29
M 30	16 29 57	8°35'33	3°11'19	2°6'45	1°37'34	3°45'25	3°25'25	15°13'16	16°12'25	15°13'25	28°23'22	22°33'22	21°38'22	5°1'15	15°23'23	M 30
T 31	16 33 54	9°11'33	0°7'15	2°6'29	2°8'48	4°1'29	3°11'25	15°14'16	16°15'25	15°14'25	28°23'22	22°B32	21°35'22	5°8'15	15°25'25	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	15n 0	14n38	0s56	23n 0	2n43	1s57	1s18	8s29	1s32	1s47	1s 4	14s24	1s 1	15n51	0s22	3s12	1s 8
M 2	15 19	19 6	0n12	23 8	2 41	1 33	1 21	8 12	1 32	1 42	1 4	14 23	1 1	15 52	0 22	3 12	1 8
T 3	15 36	22 42	1 18	23 14	2 39	1 8	1 24	7 55	1 33	1 37	1 5	14 22	1 2	15 53	0 22	3 11	1 8
W 4	15 54	25 16	2 20	23 18	2 35	0 43	1 27	7 38	1 33	1 33	1 5	14 21	1 2	15 55	0 22	3 10	1 8
T 5	16 11	26 42	3 15	23 20	2 31	0 18	1 29	7 21	1 34	1 28	1 5	14 20	1 2	15 56	0 22	3 10	1 8
F 6	16 28	26 54	4 2	23 19	2 25	0n 7	1 32	7 4	1 35	1 23	1 5	14 19	1 2	15 57	0 22	3 9	1 8
S 7	16 45	25 52	4 39	23 16	2 18	0 32	1 34	6 47	1 35	1 19	1 5	14 19	1 2	15 58	0 22	3 9	1 8
S 8	17 2	23 40	5 4	23 11	2 9	0 57	1 36	6 30	1 36	1 14	1 5	14 18	1 2	15 59	0 22	3 8	1 8
M 9	17 18	20 23	5 16	23 3	2 0	1 22	1 38	6 12	1 36	1 9	1 6	14 17	1 3	16 0	0 22	3 7	1 9
T 10	17 34	16 10	5 14	22 54	1 50	1 47	1 40	5 55	1 37	1 5	1 6	14 16	1 3	16 1	0 22	3 7	1 9
W 11	17 49	11 8	4 57	22 43	1 38	2 13	1 42	5 38	1 37	1 0	1 6	14 16	1 3	16 2	0 22	3 6	1 9
T 12	18 5	5 29	4 24	22 29	1 25	2 38	1 44	5 21	1 37	0 56	1 6	14 15	1 3	16 3	0 22	3 6	1 9
F 13	18 20	0s36	3 35	22 14	1 12	3 4	1 46	5 3	1 38	0 51	1 6	14 14	1 3	16 4	0 22	3 5	1 9
S 14	18 34	6 51	2 33	21 57	0 57	3 29	1 47	4 46	1 38	0 47	1 6	14 14	1 4	16 5	0 22	3 5	1 9
S 15	18 49	12 56	1 19	21 39	0 42	3 54	1 49	4 28	1 39	0 43	1 7	14 13	1 4	16 6	0 22	3 4	1 9
M 16	19 3	18 27	0s 1	21 19	0 26	4 20	1 50	4 11	1 39	0 38	1 7	14 13	1 4	16 7	0 22	3 4	1 9
T 17	19 17	22 55	1 22	20 58	0 9	4 45	1 52	3 54	1 40	0 34	1 7	14 12	1 4	16 8	0 22	3 3	1 9
W 18	19 30	25 52	2 39	20 35	0s 8	5 11	1 53	3 36	1 40	0 30	1 7	14 12	1 4	16 9	0 22	3 3	1 9
T 19	19 43	26 58	3 44	20 12	0 25	5 36	1 54	3 19	1 41	0 26	1 7	14 12	1 4	16 10	0 22	3 2	1 9
F 20	19 56	26 7	4 34	19 49	0 43	6 1	1 55	3 1	1 41	0 21	1 8	14 11	1 5	16 11	0 22	3 2	1 9
S 21	20 8	23 31	5 8	19 25	1 0	6 27	1 56	2 44	1 41	0 17	1 8	14 11	1 5	16 12	0 22	3 1	1 9
S 22	20 20	19 33	5 17	19 1	1 18	6 52	1 57	2 26	1 42	0 13	1 8	14 11	1 5	16 13	0 22	3 1	1 9
M 23	20 32	14 36	5 10	18 37	1 35	7 17	1 58	2 9	1 42	0 9	1 8	14 10	1 5	16 14	0 22	3 1	1 9
T 24	20 43	9 5	4 46	18 13	1 51	7 42	1 58	1 51	1 43	0 5	1 8	14 10	1 5	16 15	0 21	3 0	1 9
W 25	20 54	3 17	4 7	17 51	2 7	8 7	1 59	1 34	1 43	0 1	1 9	14 10	1 6	16 16	0 21	3 0	1 9
T 26	21 5	2n32	3 17	17 29	2 23	8 32	1 59	1 16	1 43	0n 3	1 9	14 10	1 6	16 17	0 21	2 59	1 9
F 27	21 15	8 9	2 18	17 9	2 37	8 56	2 0	0 59	1 44	0 6	1 9	14 10	1 6	16 17	0 21	2 59	1 9
S 28	21 25	13 21	1 14	16 50	2 50	9 21	2 0	0 42	1 44	0 10	1 9	14 9	1 6	16 18	0 21	2 59	1 9
S 29	21 35	17 58	0 7	16 32	3 3	9 45	2 0	0 24	1 44	0 14	1 9	14 9	1 6	16 19	0 21	2 58	1 9
M 30	21 44	21 47	0n59	16 17	3 14	10 10	2 0	0 7	1 45	0 18	1 10	14 9	1 6	16 20	0 21	2 58	1 9
T 31	21n53	24n39	2n 2	16n 4	3s24	10n34	2s 0	0n11	1s45	0n21	1s10	14s 9	1s 7	16n21	0s21	2s58	1s 9

Julian Day Number = 2459700.5, Delta T = 69.26 sec
 Ecliptic obliquity = 23°26'17", Nutation = - 0°00'15", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°03'08", Lahiri = 24°10'08"

ASTRODIENST EPHEMERIS for the year 2022

geocentric

JUNE 2022

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	16 37 50	10 ^{II} 30'40	27 ^{II} 8	26°R17	3 ^{II} 58	5 ^{II} 14	3 ^{II} 44	25 ^{II} 14	16 ^{II} 18	25 ^{II} 14	28°R22	22°R30	21 ^{II} 32	5 ^{II} 14	15 ^{II} 27	W 1	
T 2	16 41 47	11°28'12	8 ^{II} 58	26 ^{II} 9	5° 9	5°58	3°54	25°15	16°21	25°15	28 ^{II} 21	22 ^{II} 27	21°29	5°21	15°30	T 2	
F 3	16 45 43	12°25'43	20°47	26°D 5	6°19	6°42	4° 3	25°15	16°25	25°16	28°20	22°24	21°26	5°28	15°32	F 3	
S 4	16 49 40	13°23'12	2 ^{II} 40	26° 6	7°30	7°27	4°12	25°15	16°28	25°17	28°19	22°21	21°23	5°34	15°34	S 4	
S 5	16 53 36	14°20'40	14°38	26°11	8°40	8°11	4°21	25°R15	16°31	25°18	28°18	22°18	21°19	5°41	15°36	S 5	
M 6	16 57 33	15°18'07	26°45	26°21	9°51	8°55	4°30	25°15	16°34	25°18	28°17	22°16	21°16	5°48	15°38	M 6	
T 7	17 1 30	16°15'33	9 ^{II} 6	26°35	11° 1	9°39	4°39	25°15	16°37	25°19	28°16	22°14	21°13	5°54	15°40	T 7	
W 8	17 5 26	17°12'57	21°44	26°54	12°12	10°23	4°48	25°15	16°40	25°20	28°15	22°D14	21°10	6° 1	15°42	W 8	
T 9	17 9 23	18°10'21	4 ^{II} 43	27°17	13°23	11° 7	4°57	25°14	16°43	25°20	28°14	22°15	21° 7	6° 8	15°44	T 9	
F 10	17 13 19	19° 7'43	18° 6	27°44	14°34	11°51	5° 5	25°14	16°47	25°21	28°13	22°17	21° 3	6°14	15°46	F 10	
S 11	17 17 16	20° 5'04	1 ^{II} 56	28°16	15°45	12°35	5°13	25°13	16°50	25°22	28°12	22°18	21° 0	6°21	15°48	S 11	
S 12	17 21 12	21° 2'25	16°13	28°52	16°56	13°19	5°21	25°13	16°53	25°22	28°11	22°R19	20°57	6°28	15°50	S 12	
M13	17 25 9	21°59'44	0 ^{II} 55	29°32	18° 6	14° 3	5°29	25°12	16°56	25°23	28°10	22°19	20°54	6°35	15°52	M13	
T 14	17 29 5	22°57'03	15°55	0 ^{II} 16	19°17	14°47	5°37	25°11	16°59	25°23	28° 9	22°17	20°51	6°41	15°54	T 14	
W15	17 33 2	23°54'21	1 ^{II} 7	1° 4	20°28	15°31	5°45	25°10	17° 1	25°24	28° 8	22°14	20°48	6°48	15°55	W15	
T 16	17 36 59	24°51'38	16°20	1°56	21°40	16°14	5°53	25° 9	17° 4	25°24	28° 7	22°10	20°44	6°55	15°57	T 16	
F 17	17 40 55	25°48'55	1 ^{II} 25	2°52	22°51	16°58	6° 0	25° 8	17° 7	25°24	28° 6	22° 6	20°41	7° 1	15°59	F 17	
S 18	17 44 52	26°46'12	16°12	3°52	24° 2	17°41	6° 8	25° 7	17°10	25°25	28° 5	22° 1	20°38	7° 8	16° 0	S 18	
S 19	17 48 48	27°43'28	0 ^{II} 35	4°55	25°13	18°25	6°15	25° 6	17°13	25°25	28° 3	21°58	20°35	7°15	16° 2	S 19	
M20	17 52 45	28°40'43	14°31	6° 2	26°24	19° 8	6°22	25° 4	17°16	25°25	28° 2	21°55	20°32	7°21	16° 4	M20	
T 21	17 56 41	29°37'59	28° 0	7°12	27°36	19°51	6°29	25° 3	17°19	25°26	28° 1	21°D54	20°29	7°28	16° 5	T 21	
W22	18 0 38	0 ^{II} 35'14	11° 4	8°26	28°47	20°35	6°35	25° 1	17°21	25°26	28° 0	21°55	20°25	7°35	16° 6	W22	
T 23	18 4 34	1°32'29	23°47	9°44	29°58	21°18	6°42	24°59	17°24	25°26	27°58	21°56	20°22	7°41	16° 8	T 23	
F 24	18 8 31	2°29'44	6 ^{II} 11	11° 5	1 ^{II} 10	22° 1	6°48	24°58	17°27	25°26	27°57	21°57	20°19	7°48	16° 9	F 24	
S 25	18 12 28	3°26'59	18°22	12°29	2°21	22°44	6°55	24°56	17°29	25°26	27°56	21°R58	20°16	7°55	16°10	S 25	
S 26	18 16 24	4°24'14	0 ^{II} 23	13°56	3°33	23°27	7° 1	24°54	17°32	25°26	27°55	21°58	20°13	8° 1	16°12	S 26	
M27	18 20 21	5°21'29	12°18	15°27	4°44	24°10	7° 7	24°52	17°35	25°27	27°53	21°56	20° 9	8° 8	16°13	M27	
T 28	18 24 17	6°18'43	24° 9	17° 2	5°56	24°53	7°12	24°50	17°37	25°R27	27°52	21°52	20° 6	8°15	16°14	T 28	
W29	18 28 14	7°15'58	5 ^{II} 58	18°39	7° 7	25°35	7°18	24°47	17°40	25°27	27°51	21°46	20° 3	8°22	16°15	W29	
T 30	18 32 10	8°13'12	17°48	20 ^{II} 20	8 ^{II} 19	26°Y18	7°Y24	24°445	17°842	25°Y27	27°349	21°838	20°Y 0	8°28	16°Y16	T 30	

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	22n 1	26n24	2n59	15n52	3s33	10n57	2s 0	0n28	1s45	0n25	1s10	14s 9	1s 7	16n22	0s21	2s57	1s10
T 2	22 9	26 56	3 49	15 43	3 41	11 21	2 0	0 45	1 45	0 28	1 10	14 9	1 7	16 23	0 21	2 57	1 10
F 3	22 17	26 15	4 28	15 36	3 47	11 45	2 0	1 3	1 46	0 32	1 10	14 10	1 7	16 24	0 21	2 57	1 10
S 4	22 24	24 22	4 56	15 31	3 52	12 8	1 59	1 20	1 46	0 35	1 11	14 10	1 7	16 25	0 21	2 56	1 10
S 5	22 31	21 24	5 12	15 28	3 57	12 31	1 59	1 37	1 46	0 39	1 11	14 10	1 8	16 26	0 21	2 56	1 10
M 6	22 38	17 30	5 13	15 27	4 0	12 54	1 58	1 54	1 47	0 42	1 11	14 10	1 8	16 27	0 21	2 56	1 10
T 7	22 44	12 48	5 1	15 29	4 1	13 16	1 58	2 11	1 47	0 45	1 11	14 10	1 8	16 28	0 21	2 56	1 10
W 8	22 49	7 29	4 34	15 32	4 2	13 38	1 57	2 28	1 47	0 49	1 12	14 11	1 8	16 29	0 21	2 55	1 10
T 9	22 55	1 41	3 52	15 37	4 2	14 0	1 56	2 45	1 47	0 52	1 12	14 11	1 8	16 29	0 21	2 55	1 10
F 10	23 0	4s22	2 57	15 45	4 1	14 22	1 55	3 2	1 47	0 55	1 12	14 11	1 9	16 30	0 21	2 55	1 10
S 11	23 4	10 26	1 50	15 54	3 59	14 44	1 54	3 19	1 48	0 58	1 12	14 12	1 9	16 31	0 21	2 55	1 10
S 12	23 8	16 9	0 33	16 4	3 56	15 5	1 53	3 36	1 48	1 1	1 13	14 12	1 9	16 32	0 21	2 55	1 10
M13	23 12	21 6	0s47	16 17	3 52	15 25	1 52	3 53	1 48	1 4	1 13	14 12	1 9	16 33	0 21	2 55	1 10
T 14	23 15	24 47	2 6	16 30	3 47	15 46	1 51	4 10	1 48	1 7	1 13	14 13	1 9	16 34	0 21	2 54	1 10
W15	23 18	26 42	3 16	16 45	3 41	16 6	1 50	4 26	1 48	1 10	1 13	14 13	1 9	16 34	0 22	2 54	1 10
T 16	23 20	26 38	4 13	17 2	3 35	16 26	1 49	4 43	1 48	1 13	1 14	14 14	1 10	16 35	0 22	2 54	1 10
F 17	23 22	24 35	4 52	17 19	3 28	16 45	1 47	5 0	1 49	1 15	1 14	14 14	1 10	16 36	0 22	2 54	1 10
S 18	23 24	20 54	5 10	17 38	3 21	17 4	1 46	5 16	1 49	1 18	1 14	14 15	1 10	16 37	0 22	2 54	1 10
S 19	23 25	16 4	5 8	17 57	3 13	17 23	1 44	5 32	1 49	1 21	1 14	14 16	1 10	16 38	0 22	2 54	1 10
M20	23 26	10 31	4 48	18 17	3 4	17 41	1 43	5 49	1 49	1 23	1 15	14 16	1 10	16 39	0 22	2 54	1 10
T 21	23 26	4 39	4 12	18 38	2 55	17 59	1 41	6 5	1 49	1 26	1 15	14 17	1 11	16 39	0 22	2 54	1 10
W22	23 26	1n15	3 24	19 0	2 45	18 16	1 40	6 21	1 49	1 28	1 15	14 18	1 11	16 40	0 22	2 54	1 11
T 23	23 26	6 57	2 27	19 21	2 35	18 33	1 38	6 37	1 49	1 30	1 15	14 18	1 11	16 41	0 22	2 54	1 11
F 24	23 25	12 15	1 25	19 43	2 24	18 49	1 36	6 53	1 49	1 33	1 16	14 19	1 11	16 42	0 22	2 54	1 11
S 25	23 24	16 59	0 20	20 5	2 13	19 5	1 34	7 9	1 49	1 35	1 16	14 20	1 11	16 42	0 22	2 54	1 11
S 26	23 22	20 58	0n46	20 27	2 2	19 21	1 32	7 25	1 49	1 37	1 16	14 21	1 11	16 43	0 22	2 54	1 11
M27	23 20	24 3	1 48	20 49	1 51	19 36	1 30	7 41	1 49	1 39	1 16	14 21	1 12	16 44	0 22	2 54	1 11
T 28	23 17	26 3	2 45	21 10	1 39	19 51	1 28	7 56	1 49	1 41	1 17	14 22	1 12	16 44	0 22	2 54	1 11
W29	23 14	26 53	3 35	21 31	1 27	20 5	1 26	8 12	1 49	1 43	1 17	14 23	1 12	16 45	0 22	2 54	1 11
T 30	23n11	26n28	4n15	21n51	1s15	20n18	1s24	8n27	1s49	1n45	1s17	14s24	1s12	16n46	0s22	2s54	1s11

Julian Day Number = 2459731.5, Delta T = 69.25 sec

Ecliptic obliquity = 23°26'16, Nutation = - 0°00'14, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 25°03'12, Lahiri = 24°10'13

ASTRODIENST EPHEMERIS for the year 2022

geocentric

JULY 2022

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18 36 7	9 ⁵⁰ 10'26	29 ⁵⁰ 40	22 ^{II} 4	9 ^{II} 31	27 ^Y 0	7 ^Y 29	24 ^R 43	17 ^B 45	25 ^R 26	27 ^R 48	21 ^R 29	19 ^B 57	8 ⁵³ 35	16 ^Y 17	F 1
S 2	18 40 4	10° 7'39	11 ^{II} 37	23°51	10°43	27°43	7°34	24 ⁴⁰ 40	17°47	25 ²⁶ 26	27 ⁴⁷ 47	21 ²⁰ 20	19°54	8°42	16°18	S 2
S 3	18 44 0	11° 4'53	23°40	25°41	11°54	28°25	7°39	24°38	17°49	25°26	27°45	21°12	19°50	8°48	16°19	S 3
M 4	18 47 57	12° 2'06	5 ^{II} 51	27°33	13° 6	29° 7	7°44	24°35	17°52	25°26	27°44	21° 5	19°47	8°55	16°20	M 4
T 5	18 51 53	12°59'19	18°14	29°29	14°18	29°49	7°48	24°32	17°54	25°26	27°43	21° 0	19°44	9° 2	16°20	T 5
W 6	18 55 50	13°56'31	0 ^{II} 51	19°27	15°30	0 ^B 31	7°53	24°30	17°56	25°26	27°41	20°57	19°41	9° 8	16°21	W 6
T 7	18 59 46	14°53'43	13°46	3°27	16°42	1°13	7°57	24°27	17°59	25°25	27°40	20°D56	19°38	9°15	16°22	T 7
F 8	19 3 43	15°50'55	27° 3	5°29	17°54	1°55	8° 1	24°24	18° 1	25°25	27°39	20°57	19°35	9°22	16°22	F 8
S 9	19 7 39	16°48'07	10 ^{II} 44	7°33	19° 6	2°37	8° 5	24°21	18° 3	25°25	27°37	20°57	19°31	9°28	16°23	S 9
S 10	19 11 36	17°45'19	24°51	9°39	20°18	3°18	8° 8	24°18	18° 5	25°24	27°36	20°R58	19°28	9°35	16°24	S 10
M 11	19 15 33	18°42'31	9 ^{II} 24	11°46	21°30	4° 0	8°12	24°15	18° 7	25°24	27°34	20°56	19°25	9°42	16°24	M 11
T 12	19 19 29	19°39'42	24°19	13°54	22°42	4°41	8°15	24°11	18° 9	25°24	27°33	20°53	19°22	9°49	16°24	T 12
W 13	19 23 26	20°36'54	9 ^{II} 30	16° 3	23°54	5°23	8°18	24° 8	18°11	25°23	27°31	20°47	19°19	9°55	16°25	W 13
T 14	19 27 22	21°34'06	24°46	18°12	25° 6	6° 4	8°21	24° 5	18°13	25°23	27°30	20°39	19°15	10° 2	16°25	T 14
F 15	19 31 19	22°31'19	9 ^{II} 58	20°21	26°18	6°45	8°24	24° 1	18°15	25°22	27°29	20°30	19°12	10° 9	16°25	F 15
S 16	19 35 15	23°28'31	24°55	22°30	27°31	7°26	8°27	23°58	18°17	25°22	27°27	20°21	19° 9	10°15	16°26	S 16
S 17	19 39 12	24°25'44	9 ^{II} 28	24°39	28°43	8° 7	8°29	23°54	18°19	25°21	27°26	20°14	19° 6	10°22	16°26	S 17
M 18	19 43 8	25°22'58	23°33	26°47	29°55	8°48	8°31	23°51	18°21	25°20	27°24	20° 8	19° 3	10°29	16°26	M 18
T 19	19 47 5	26°20'12	7 ^Y 8	28°54	1 ⁵⁰ 8	9°28	8°33	23°47	18°23	25°20	27°23	20° 4	19° 0	10°35	16°26	T 19
W 20	19 51 2	27°17'27	20°15	1 ^{II} 0	2°20	10° 9	8°35	23°43	18°24	25°19	27°21	20° 2	18°56	10°42	16°26	W 20
T 21	19 54 58	28°14'42	2 ^B 56	3° 5	3°33	10°49	8°37	23°39	18°26	25°18	27°20	20°D 2	18°53	10°49	16°26	T 21
F 22	19 58 55	29°11'59	15°18	5° 8	4°45	11°29	8°38	23°36	18°28	25°18	27°19	20°R 3	18°50	10°55	16°26	F 22
S 23	20 2 51	0 ^{II} 9'16	27°25	7°10	5°58	12° 9	8°40	23°32	18°29	25°17	27°17	20° 2	18°47	11° 2	16°26	S 23
S 24	20 6 48	1° 6'34	9 ^{II} 21	9°11	7°10	12°49	8°41	23°28	18°31	25°16	27°16	20° 1	18°44	11° 9	16°26	S 24
M 25	20 10 44	2° 3'53	21°12	11°10	8°23	13°29	8°42	23°24	18°32	25°15	27°14	19°57	18°41	11°16	16°25	M 25
T 26	20 14 41	3° 1'13	3 ⁵⁰ 0	13° 8	9°36	14° 9	8°42	23°20	18°34	25°14	27°13	19°50	18°37	11°22	16°25	T 26
W 27	20 18 37	3°58'34	14°50	15° 4	10°48	14°49	8°43	23°16	18°35	25°14	27°11	19°41	18°34	11°29	16°25	W 27
T 28	20 22 34	4°55'55	26°43	16°58	12° 1	15°28	8°43	23°12	18°36	25°13	27°10	19°29	18°31	11°36	16°24	T 28
F 29	20 26 31	5°53'17	8 ^{II} 41	18°50	13°14	16° 7	8°R43	23° 7	18°38	25°12	27° 9	19°16	18°28	11°42	16°24	F 29
S 30	20 30 27	6°50'40	20°46	20°41	14°27	16°46	8°43	23° 3	18°39	25°11	27° 7	19° 3	18°25	11°49	16°23	S 30
S 31	20 34 24	7 ^{II} 48'03	2 ^{II} 58	22 ^{II} 30	15 ⁵⁰ 40	17 ^B 25	8 ^Y 43	22 ⁵⁰ 59	18 ^B 40	25 ²⁶ 10	27 ³⁶ 6	18 ^B 50	18 ^B 21	11 ⁵⁶ 56	16 ^Y 23	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	23n 7	24n52	4n45	22n 9	1s 3	20n31	1s22	8n43	1s49	1n47	1s18	14s25	1s12	16n47	0s22	2s54	1s11	22s40	2s 6	18n 8	17n44	27n 1	8n12	1n57			
S 2	23 3	22 8	5 2	22 27	0 50	20 44	1 20	8 58	1 49	1 49	1 18	14 26	1 12	16 47	0 22	2 54	1 11	22 40	2 6	18 6	17 43	27 1	8 13	1 57			
S 3	22 59	18 27	5 6	22 44	0 38	20 56	1 18	9 13	1 49	1 50	1 18	14 27	1 13	16 48	0 22	2 54	1 11	22 40	2 6	18 3	17 42	27 1	8 13	1 57			
M 4	22 54	13 57	4 57	22 59	0 26	21 7	1 15	9 28	1 49	1 52	1 18	14 28	1 13	16 49	0 22	2 54	1 11	22 41	2 6	18 2	17 41	27 1	8 13	1 57			
T 5	22 48	8 50	4 33	23 12	0 14	21 18	1 13	9 43	1 49	1 53	1 19	14 29	1 13	16 49	0 22	2 54	1 11	22 41	2 7	18 0	17 40	27 2	8 14	1 57			
W 6	22 42	3 16	3 56	23 23	0 3	21 29	1 11	9 58	1 49	1 55	1 19	14 30	1 13	16 50	0 22	2 54	1 11	22 41	2 7	18 0	17 39	27 2	8 14	1 57			
T 7	22 36	2s34	3 6	23 32	0n 9	21 38	1 8	10 12	1 48	1 56	1 19	14 31	1 13	16 50	0 22	2 55	1 11	22 42	2 7	17 59	17 38	27 2	8 14	1 57			
F 8	22 30	8 29	2 5	23 39	0 20	21 47	1 6	10 27	1 48	1 58	1 20	14 33	1 13	16 51	0 22	2 55	1 11	22 42	2 7	17 59	17 38	27 2	8 15	1 57			
S 9	22 23	14 11	0 55	23 43	0 30	21 56	1 4	10 41	1 48	1 59	1 20	14 34	1 14	16 52	0 22	2 55	1 11	22 43	2 7	18 0	17 37	27 2	8 15	1 57			
S 10	22 16	19 19	0s21	23 45	0 40	22 4	1 1	10 55	1 48	2 0	1 20	14 35	1 14	16 52	0 22	2 55	1 11	22 43	2 7	18 0	17 36	27 2	8 15	1 58			
M11	22 8	23 27	1 37	23 44	0 50	22 11	0 59	11 10	1 48	2 1	1 20	14 36	1 14	16 53	0 22	2 55	1 11	22 43	2 7	17 59	17 35	27 2	8 15	1 58			
T 12	22 0	26 7	2 48	23 41	0 58	22 18	0 56	11 24	1 48	2 2	1 21	14 37	1 14	16 53	0 22	2 55	1 11	22 44	2 7	17 58	17 34	27 2	8 16	1 58			
W13	21 51	26 54	3 49	23 35	1 7	22 24	0 53	11 38	1 47	2 3	1 21	14 39	1 14	16 54	0 22	2 56	1 11	22 44	2 7	17 57	17 33	27 2	8 16	1 58			
T 14	21 43	25 39	4 34	23 26	1 14	22 30	0 51	11 51	1 47	2 4	1 21	14 40	1 14	16 54	0 22	2 56	1 12	22 45	2 7	17 55	17 32	27 2	8 16	1 58			
F 15	21 33	22 32	4 59	23 14	1 21	22 35	0 48	12 5	1 47	2 5	1 22	14 41	1 15	16 55	0 22	2 56	1 12	22 45	2 8	17 52	17 32	27 2	8 16	1 58			
S 16	21 24	17 58	5 3	22 59	1 27	22 39	0 46	12 18	1 47	2 6	1 22	14 42	1 15	16 55	0 22	2 56	1 12	22 45	2 8	17 50	17 31	27 2	8 16	1 58			
S 17	21 14	12 27	4 47	22 42	1 32	22 43	0 43	12 32	1 46	2 6	1 22	14 44	1 15	16 56	0 22	2 57	1 12	22 46	2 8	17 48	17 30	27 2	8 16	1 58			
M18	21 4	6 27	4 14	22 23	1 37	22 46	0 40	12 45	1 46	2 7	1 23	14 45	1 15	16 56	0 22	2 57	1 12	22 46	2 8	17 46	17 29	27 2	8 16	1 58			
T 19	20 53	0 21	3 28	22 1	1 40	22 48	0 38	12 58	1 46	2 7	1 23	14 46	1 15	16 57	0 22	2 57	1 12	22 46	2 8	17 45	17 28	27 2	8 16	1 58			
W20	20 42	5n34	2 32	21 37	1 43	22 50	0 35	13 11	1 46	2 8	1 23	14 48	1 15	16 57	0 22	2 58	1 12	22 47	2 8	17 45	17 27	27 2	8 16	1 58			
T 21	20 31	11 5	1 30	21 11	1 46	22 51	0 32	13 24	1 45	2 8	1 23	14 49	1 15	16 58	0 22	2 58	1 12	22 47	2 8	17 45	17 26	27 2	8 16	1 58			
F 22	20 19	16 1	0 25	20 43	1 47	22 51	0 30	13 37	1 45	2 9	1 24	14 51	1 16	16 58	0 22	2 58	1 12	22 48	2 8	17 45	17 25	27 2	8 16	1 58			
S 23	20 7	20 13	0n39	20 13	1 48	22 51	0 27	13 49	1 45	2 9	1 24	14 52	1 16	16 59	0 22	2 59	1 12	22 48	2 8	17 45	17 25	27 2	8 16	1 58			
S 24	19 55	23 31	1 41	19 41	1 48	22 50	0 24	14 2	1 44	2 9	1 24	14 53	1 16	16 59	0 22	2 59	1 12	22 48	2 8	17 45	17 24	27 2	8 16	1 58			
M25	19 42	25 46	2 37	19 8	1 47	22 49	0 22	14 14	1 44	2 9	1 25	14 55	1 16	17 0	0 22	2 59	1 12	22 49	2 8	17 44	17 23	27 2	8 16	1 58			
T 26	19 29	26 51	3 27	18 34	1 46	22 47	0 19	14 26	1 44	2 9	1 25	14 56	1 16	17 0	0 22	3 0	1 12	22 49	2 9	17 42	17 22	27 2	8 16	1 58			
W27	19 16	26 43	4 7	17 59	1 44	22 44	0 16	14 38	1 43	2 9	1 25	14 58	1 16	17 0	0 22	3 0	1 12	22 49	2 9	17 39	17 21	27 2	8 16	1 58			
T 28	19 2	25 21	4 37	17 22	1 42	22 40	0 13	14 50	1 43	2 9	1 25	14 59	1 16	17 1	0 22	3 0	1 12	22 50	2 9	17 36	17 20	27 2	8 16	1 58			
F 29	18 48	22 50	4 55	16 44	1 39	22 36	0 11	15 2	1 42	2 9	1 26	15 1	1 16	17 1	0 22	3 1	1 12	22 50	2 9	17 33	17 19	27 2	8 16	1 58			
S 30	18 34	19 18	5 0	16 6	1 35	22 31	0 8	15 13	1 42	2 8	1 26	15 2	1 17	17 1	0 22	3 1	1 12	22 50	2 9	17 29	17 18	27 2	8 16	1 58			
S 31	18n19	14n56	4n51	15n27	1n31	22n26	0s 5	15n25	1s41	2n 8	1s26	15s 4	1s17	17n 2	0s22	3s 2	1s12	22s51	2s 9	17n26	17n18	27n 2	8n16	1n58			

ASTRODIENST EPHEMERIS for the year 2022

geocentric

AUGUST 2022

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 38 20	8♂45'27	15♂20	24♂18	16♂52	18♂ 4	8♂R42	22♂R55	18♂41	25♂R 9	27♂R 4	18♂R40	18♂18	12♂2 2	16♂R22	M 1
T 2	20 42 17	9♂42'52	27♂51	26♂ 4	18♂ 5	18♂43	8♂Y41	22♂50	18♂43	25♂8 8	27♂3 3	18♂32	18♂15	12♂ 9	16♂Y21	T 2
W 3	20 46 13	10♂40'17	10♂34	27♂48	19♂18	19♂21	8♂40	22♂46	18♂44	25♂ 7	27♂ 2	18♂26	18♂12	12♂16	16♂21	W 3
T 4	20 50 10	11♂37'43	23♂32	29♂31	20♂31	20♂ 0	8♂39	22♂42	18♂45	25♂ 6	27♂ 0	18♂23	18♂ 9	12♂22	16♂20	T 4
F 5	20 54 6	12♂35'10	6♂47	1♂11	21♂44	20♂38	8♂38	22♂37	18♂46	25♂ 5	26♂59	18♂23	18♂ 6	12♂29	16♂19	F 5
S 6	20 58 3	13♂32'38	20♂22	2♂51	22♂58	21♂16	8♂36	22♂33	18♂47	25♂ 4	26♂57	18♂22	18♂ 2	12♂36	16♂18	S 6
S 7	21 2 0	14♂30'06	4♂19	4♂28	24♂11	21♂54	8♂35	22♂29	18♂48	25♂ 2	26♂56	18♂22	17♂59	12♂43	16♂17	S 7
M 8	21 5 56	15♂27'35	18♂38	6♂ 4	25♂24	22♂31	8♂33	22♂24	18♂48	25♂ 1	26♂55	18♂20	17♂56	12♂49	16♂16	M 8
T 9	21 9 53	16♂25'04	3♂18	7♂39	26♂37	23♂ 9	8♂31	22♂20	18♂49	25♂ 0	26♂53	18♂15	17♂53	12♂56	16♂15	T 9
W10	21 13 49	17♂22'35	18♂14	9♂12	27♂50	23♂46	8♂29	22♂15	18♂50	24♂59	26♂52	18♂ 8	17♂50	13♂ 3	16♂14	W10
T 11	21 17 46	18♂20'07	3♂18	10♂43	29♂ 3	24♂23	8♂26	22♂11	18♂51	24♂58	26♂51	17♂59	17♂47	13♂ 9	16♂13	T 11
F 12	21 21 42	19♂17'39	18♂22	12♂12	0♂17	25♂ 0	8♂23	22♂ 6	18♂51	24♂56	26♂49	17♂48	17♂43	13♂16	16♂12	F 12
S 13	21 25 39	20♂15'12	3♂14	13♂40	1♂30	25♂37	8♂21	22♂ 2	18♂52	24♂55	26♂48	17♂37	17♂40	13♂23	16♂11	S 13
S 14	21 29 35	21♂12'47	17♂47	15♂ 6	2♂44	26♂13	8♂17	21♂57	18♂52	24♂54	26♂47	17♂27	17♂37	13♂29	16♂10	S 14
M15	21 33 32	22♂10'23	1♂Y54	16♂31	3♂57	26♂50	8♂14	21♂53	18♂53	24♂52	26♂46	17♂19	17♂34	13♂36	16♂ 8	M15
T 16	21 37 29	23♂ 8'01	15♂33	17♂54	5♂10	27♂26	8♂11	21♂48	18♂53	24♂51	26♂44	17♂14	17♂31	13♂43	16♂ 7	T 16
W17	21 41 25	24♂ 5'40	28♂43	19♂15	6♂24	28♂ 2	8♂ 7	21♂44	18♂54	24♂50	26♂43	17♂11	17♂27	13♂50	16♂ 6	W17
T 18	21 45 22	25♂ 3'20	11♂828	20♂34	7♂37	28♂37	8♂ 3	21♂39	18♂54	24♂48	26♂42	17♂10	17♂24	13♂56	16♂ 4	T 18
F 19	21 49 18	26♂ 1'02	23♂52	21♂51	8♂51	29♂13	7♂59	21♂35	18♂54	24♂47	26♂41	17♂10	17♂21	14♂ 3	16♂ 3	F 19
S 20	21 53 15	26♂58'46	5♂II59	23♂ 7	10♂ 5	29♂48	7♂55	21♂30	18♂55	24♂46	26♂40	17♂10	17♂18	14♂10	16♂ 1	S 20
S 21	21 57 11	27♂56'32	17♂55	24♂21	11♂18	0♂II23	7♂51	21♂26	18♂55	24♂44	26♂38	17♂ 8	17♂15	14♂16	16♂ 0	S 21
M22	22 1 8	28♂54'19	29♂46	25♂32	12♂32	0♂58	7♂46	21♂21	18♂55	24♂43	26♂37	17♂ 5	17♂12	14♂23	15♂58	M22
T 23	22 5 4	29♂52'07	11♂35	26♂42	13♂46	1♂33	7♂42	21♂17	18♂55	24♂41	26♂36	16♂59	17♂ 8	14♂30	15♂56	T 23
W24	22 9 1	0♂49'58	23♂27	27♂49	15♂ 0	2♂ 7	7♂37	21♂13	18♂55	24♂40	26♂35	16♂50	17♂ 5	14♂36	15♂55	W24
T 25	22 12 58	1♂47'50	5♂II25	28♂55	16♂13	2♂42	7♂32	21♂ 8	18♂R55	24♂38	26♂34	16♂39	17♂ 2	14♂43	15♂53	T 25
F 26	22 16 54	2♂45'43	17♂32	29♂57	17♂27	3♂16	7♂27	21♂ 4	18♂55	24♂37	26♂33	16♂26	16♂59	14♂50	15♂51	F 26
S 27	22 20 51	3♂43'38	29♂47	0♂II58	18♂41	3♂49	7♂21	20♂59	18♂55	24♂35	26♂32	16♂13	16♂56	14♂57	15♂49	S 27
S 28	22 24 47	4♂41'35	12♂13	1♂55	19♂55	4♂23	7♂16	20♂55	18♂55	24♂34	26♂31	16♂ 1	16♂53	15♂ 3	15♂47	S 28
M29	22 28 44	5♂39'33	24♂50	2♂50	21♂ 9	4♂56	7♂10	20♂51	18♂55	24♂32	26♂29	15♂51	16♂49	15♂10	15♂46	M29
T 30	22 32 40	6♂37'32	7♂37	3♂42	22♂23	5♂29	7♂ 5	20♂47	18♂55	24♂31	26♂28	15♂43	16♂46	15♂17	15♂44	T 30
W31	22 36 37	7♂35'33	20♂35	4♂31	23♂II37	6♂II 1	6♂Y59	20♂42	18♂54	24♂29	26♂27	15♂37	16♂43	15♂23	15♂Y42	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	18n 4	9n55	4n29	14n47	1n27	22n20	0s 3	15n36	1s41	2n 7	1s27	15s 5	1s17	17n 2	0s22	3s 2
T 2	17 49	4 25	3 53	14 7	1 22	22 13	0 0	15 47	1 40	2 7	1 27	15 7	1 17	17 2	0 22	3 2
W 3	17 34	1s20	3 5	13 26	1 17	22 5	0n 3	15 58	1 40	2 6	1 27	15 8	1 17	17 3	0 22	3 3
T 4	17 18	7 10	2 7	12 45	1 11	21 57	0 5	16 8	1 39	2 5	1 28	15 10	1 17	17 3	0 22	3 3
F 5	17 2	12 49	1 1	12 3	1 5	21 49	0 8	16 19	1 39	2 5	1 28	15 11	1 17	17 3	0 22	3 4
S 6	16 45	18 0	0s11	11 22	0 58	21 39	0 10	16 30	1 38	2 4	1 28	15 13	1 17	17 3	0 22	3 4
S 7	16 29	22 22	1 23	10 40	0 51	21 29	0 13	16 40	1 38	2 3	1 28	15 14	1 17	17 4	0 22	3 5
M 8	16 12	25 29	2 32	9 58	0 44	21 19	0 16	16 50	1 37	2 2	1 29	15 16	1 18	17 4	0 22	3 5
T 9	15 55	26 57	3 33	9 16	0 37	21 8	0 18	17 0	1 37	2 1	1 29	15 18	1 18	17 4	0 22	3 6
W10	15 38	26 30	4 21	8 34	0 29	20 56	0 21	17 10	1 36	2 0	1 29	15 19	1 18	17 4	0 22	3 6
T 11	15 20	24 7	4 51	7 53	0 21	20 43	0 23	17 19	1 35	1 58	1 29	15 21	1 18	17 4	0 22	3 7
F 12	15 2	20 5	5 0	7 11	0 13	20 30	0 25	17 29	1 35	1 57	1 30	15 22	1 18	17 5	0 22	3 7
S 13	14 44	14 49	4 49	6 29	0 4	20 17	0 28	17 38	1 34	1 56	1 30	15 24	1 18	17 5	0 22	3 8
S 14	14 26	8 49	4 20	5 48	0s 4	20 2	0 30	17 47	1 33	1 54	1 30	15 25	1 18	17 5	0 22	3 8
M15	14 7	2 32	3 35	5 7	0 13	19 48	0 33	17 57	1 33	1 53	1 31	15 27	1 18	17 5	0 22	3 9
T 16	13 48	3n41	2 39	4 27	0 22	19 32	0 35	18 5	1 32	1 51	1 31	15 28	1 18	17 5	0 22	3 10
W17	13 29	9 31	1 36	3 47	0 31	19 16	0 37	18 14	1 31	1 50	1 31	15 30	1 18	17 5	0 22	3 10
T 18	13 10	14 48	0 30	3 7	0 40	19 0	0 39	18 23	1 31	1 48	1 31	15 31	1 18	17 5	0 22	3 11
F 19	12 51	19 18	0n35	2 28	0 50	18 43	0 42	18 31	1 30	1 46	1 32	15 33	1 18	17 5	0 22	3 11
S 20	12 31	22 55	1 38	1 49	0 59	18 25	0 44	18 39	1 29	1 44	1 32	15 34	1 19	17 6	0 22	3 12
S 21	12 11	25 28	2 35	1 11	1 9	18 7	0 46	18 48	1 28	1 42	1 32	15 36	1 19	17 6	0 22	3 12
M22	11 51	26 51	3 25	0 34	1 19	17 49	0 48	18 56	1 27	1 40	1 32	15 37	1 19	17 6	0 22	3 13
T 23	11 31	27 1	4 6	0s 2	1 28	17 30	0 50	19 3	1 27	1 38	1 33	15 39	1 19	17 6	0 22	3 14
W24	11 11	25 56	4 37	0 38	1 38	17 10	0 52	19 11	1 26	1 36	1 33	15 40	1 19	17 6	0 22	3 14
T 25	10 50	23 41	4 55	1 13	1 48	16 50	0 54	19 18	1 25	1 34	1 33	15 42	1 19	17 6	0 22	3 15
F 26	10 29	20 21	5 1	1 47	1 58	16 29	0 56	19 26	1 24	1 32	1 33	15 43	1 19	17 6	0 22	3 15
S 27	10 8	16 6	4 53	2 20	2 7	16 8	0 58	19 33	1 23	1 29	1 33	15 45	1 19	17 6	0 22	3 16
S 28	9 47	11 8	4 30	2 52	2 17	15 47	0 59	19 40	1 22	1 27	1 34	15 46	1 19	17 5	0 22	3 17
M29	9 26	5 39	3 55	3 22	2 27	15 25	1 1	19 47	1 21	1 25	1 34	15 48	1 19	17 5	0 22	3 17
T 30	9 5	0s 9	3 7	3 52	2 36	15 3	1 3	19 54	1 20	1 22	1 34	15 49	1 19	17 5	0 22	3 18
W31	8n43	6s 3	2n 9	4s20	2s46	14n40	1n 5	20n 0	1s19	1n20	1s34	15s50	1s19	17n 5	0s22	3s19

Julian Day Number = 2459792.5, Delta T = 69.23 sec
 Ecliptic obliquity = 23°26'17", Nutation = - 0°00'11", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°03'21", Lahiri = 24°10'21"

ASTRODIENST EPHEMERIS for the year 2022

geocentric

SEPTEMBER 2022

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 40 33	8♍33'35	3♌46	5♊17	24♌51	6♏34	6♏R53	20°R38	18°R54	24°R28	26°R26	15°R35	16♌40	15♊30	15°R40	T 1
F 2	22 44 30	9°31'39	17° 9	5°59	26° 5	7° 6	6♏46	20°R34	18♊53	24♏26	26♊25	15°D34	16°37	15°37	15°Y38	F 2
S 3	22 48 27	10°29'44	0♊46	6°37	27°19	7°37	6°40	20°30	18°53	24°24	26°25	15♊35	16°33	15°43	15°36	S 3
S 4	22 52 23	11°27'51	14°39	7°11	28°33	8° 9	6°33	20°26	18°53	24°23	26°24	15°R35	16°30	15°50	15°33	S 4
M 5	22 56 20	12°25'59	28°47	7°41	29°47	8°40	6°27	20°22	18°52	24°21	26°23	15°34	16°27	15°57	15°31	M 5
T 6	23 0 16	13°24'08	13♊10	8° 6	1♏ 2	9°11	6°20	20°18	18°51	24°20	26°22	15°31	16°24	16° 4	15°29	T 6
W 7	23 4 13	14°22'19	27°45	8°27	2°16	9°42	6°13	20°14	18°51	24°18	26°21	15°25	16°21	16°10	15°27	W 7
T 8	23 8 9	15°20'31	12♊26	8°42	3°30	10°12	6° 6	20°10	18°50	24°16	26°20	15°18	16°18	16°17	15°25	T 8
F 9	23 12 6	16°18'45	27° 8	8°51	4°44	10°42	5°59	20° 6	18°49	24°15	26°19	15° 9	16°14	16°24	15°22	F 9
S 10	23 16 2	17°17'01	11♏42	8°R55	5°59	11°11	5°52	20° 3	18°49	24°13	26°19	15° 0	16°11	16°30	15°20	S 10
S 11	23 19 59	18°15'18	26° 1	8°53	7°13	11°41	5°45	19°59	18°48	24°11	26°18	14°51	16° 8	16°37	15°18	S 11
M12	23 23 56	19°13'37	9♏59	8°45	8°27	12°10	5°38	19°55	18°47	24°10	26°17	14°45	16° 5	16°44	15°15	M12
T 13	23 27 52	20°11'58	23°34	8°30	9°42	12°38	5°30	19°52	18°46	24° 8	26°16	14°41	16° 2	16°51	15°13	T 13
W14	23 31 49	21°10'21	6♊43	8° 8	10°56	13° 7	5°23	19°48	18°45	24° 7	26°16	14°38	15°59	16°57	15°11	W14
T 15	23 35 45	22° 8'46	19°29	7°39	12°11	13°35	5°15	19°45	18°44	24° 5	26°15	14°D38	15°55	17° 4	15° 8	T 15
F 16	23 39 42	23° 7'13	1♏55	7° 4	13°25	14° 2	5° 7	19°41	18°43	24° 3	26°14	14°39	15°52	17°11	15° 6	F 16
S 17	23 43 38	24° 5'42	14° 4	6°22	14°40	14°29	5° 0	19°38	18°42	24° 2	26°14	14°40	15°49	17°17	15° 3	S 17
S 18	23 47 35	25° 4'14	26° 3	5°34	15°54	14°56	4°52	19°35	18°41	24° 0	26°13	14°R41	15°46	17°24	15° 1	S 18
M19	23 51 31	26° 2'48	7♊55	4°41	17° 9	15°22	4°44	19°32	18°39	23°58	26°13	14°40	15°43	17°31	14°58	M19
T 20	23 55 28	27° 1'24	19°46	3°43	18°23	15°48	4°36	19°29	18°38	23°57	26°12	14°37	15°39	17°37	14°56	T 20
W21	23 59 25	28° 0'02	1♏41	2°42	19°38	16°14	4°28	19°26	18°37	23°55	26°12	14°32	15°36	17°44	14°53	W21
T 22	0 3 21	28°58'42	13°43	1°38	20°52	16°39	4°20	19°23	18°36	23°53	26°11	14°26	15°33	17°51	14°51	T 22
F 23	0 7 18	29°57'24	25°56	0°33	22° 7	17° 4	4°12	19°20	18°34	23°52	26°11	14°18	15°30	17°58	14°48	F 23
S 24	0 11 14	0♊56'08	8♏22	29♏28	23°22	17°28	4° 4	19°17	18°33	23°50	26°10	14°10	15°27	18° 4	14°45	S 24
S 25	0 15 11	1°54'55	21° 2	28°26	24°37	17°52	3°56	19°14	18°31	23°48	26°10	14° 3	15°24	18°11	14°43	S 25
M26	0 19 7	2°53'43	3♊57	27°28	25°51	18°15	3°48	19°12	18°30	23°47	26° 9	13°56	15°20	18°18	14°40	M26
T 27	0 23 4	3°52'34	17° 5	26°35	27° 6	18°38	3°40	19° 9	18°28	23°45	26° 9	13°51	15°17	18°24	14°37	T 27
W28	0 27 0	4°51'26	0♏25	25°48	28°21	19° 1	3°32	19° 7	18°27	23°43	26° 9	13°49	15°14	18°31	14°35	W28
T 29	0 30 57	5°50'20	13°58	25°10	29°36	19°23	3°24	19° 4	18°25	23°42	26° 8	13°D48	15°11	18°38	14°32	T 29
F 30	0 34 53	6♊49'16	27♏40	24♏41	0♊50	19♏44	3♏16	19°R 2	18°24	23♏40	26♊ 8	13♊49	15♊ 8	18°245	14°Y29	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	8n22	11s47	1n 2	4s46	2s55	14n17	1n 6	20n 7	1s18	1n17	1s34	15s52	1s19	17n 5	0s22	3s19	1s13	23s 0	2s11	16n30	16n49	26n55	7n59	1n59	
F 2	8 0	17 5	0s 8	5 11	3 4	13 53	1 8	20 13	1 17	1 14	1 35	15 53	1 19	17 5	0 22	3 20	1 13	23 1	2 11	16 30	16 48	26 54	7 59	1 59	
S 3	7 38	21 37	1 20	5 34	3 12	13 29	1 9	20 19	1 16	1 12	1 35	15 54	1 19	17 5	0 22	3 21	1 13	23 1	2 11	16 30	16 47	26 54	7 58	1 59	
S 4	7 16	25 1	2 28	5 55	3 21	13 5	1 11	20 25	1 15	1 9	1 35	15 56	1 19	17 5	0 22	3 21	1 13	23 1	2 11	16 30	16 46	26 54	7 57	1 59	
M 5	6 54	26 55	3 29	6 14	3 29	12 40	1 12	20 31	1 14	1 6	1 35	15 57	1 19	17 5	0 22	3 22	1 13	23 1	2 11	16 30	16 45	26 53	7 56	1 59	
T 6	6 31	27 3	4 17	6 31	3 36	12 15	1 13	20 37	1 13	1 3	1 35	15 58	1 19	17 4	0 22	3 23	1 13	23 1	2 11	16 29	16 44	26 53	7 55	1 59	
W 7	6 9	25 21	4 50	6 46	3 43	11 50	1 14	20 43	1 12	1 0	1 36	16 0	1 19	17 4	0 22	3 23	1 13	23 2	2 11	16 27	16 44	26 53	7 54	1 59	
T 8	5 47	21 55	5 4	6 58	3 50	11 24	1 16	20 48	1 11	0 58	1 36	16 1	1 19	17 4	0 22	3 24	1 13	23 2	2 11	16 25	16 43	26 52	7 54	1 59	
F 9	5 24	17 7	4 58	7 7	3 55	10 58	1 17	20 54	1 10	0 55	1 36	16 2	1 19	17 4	0 22	3 24	1 13	23 2	2 11	16 23	16 42	26 52	7 53	1 59	
S 10	5 1	11 22	4 32	7 13	4 0	10 31	1 18	20 59	1 9	0 52	1 36	16 3	1 19	17 4	0 22	3 25	1 13	23 2	2 11	16 20	16 41	26 51	7 52	1 59	
S 11	4 39	5 6	3 50	7 16	4 4	10 5	1 19	21 4	1 8	0 49	1 36	16 4	1 19	17 3	0 22	3 26	1 13	23 2	2 11	16 18	16 40	26 51	7 51	1 59	
M12	4 16	1n17	2 55	7 15	4 7	9 38	1 20	21 9	1 6	0 46	1 36	16 6	1 19	17 3	0 22	3 26	1 13	23 3	2 11	16 16	16 39	26 51	7 50	1 59	
T 13	3 53	7 26	1 51	7 11	4 9	9 11	1 21	21 14	1 5	0 43	1 36	16 7	1 19	17 3	0 22	3 27	1 13	23 3	2 11	16 14	16 38	26 50	7 49	1 59	
W14	3 30	13 5	0 42	7 2	4 9	8 43	1 21	21 19	1 4	0 40	1 36	16 8	1 19	17 3	0 22	3 28	1 13	23 3	2 11	16 14	16 37	26 50	7 48	1 59	
T 15	3 7	18 1	0n26	6 50	4 8	8 16	1 22	21 24	1 3	0 36	1 37	16 9	1 19	17 2	0 22	3 28	1 13	23 3	2 11	16 14	16 36	26 49	7 47	1 59	
F 16	2 44	22 2	1 32	6 34	4 6	7 48	1 23	21 28	1 1	0 33	1 37	16 10	1 19	17 2	0 22	3 29	1 13	23 3	2 12	16 14	16 35	26 49	7 46	1 59	
S 17	2 21	25 0	2 32	6 13	4 1	7 19	1 23	21 33	1 0	0 30	1 37	16 11	1 19	17 2	0 22	3 30	1 13	23 3	2 12	16 14	16 34	26 48	7 45	1 59	
S 18	1 58	26 47	3 24	5 49	3 55	6 51	1 24	21 37	0 59	0 27	1 37	16 12	1 19	17 1	0 22	3 30	1 13	23 4	2 12	16 14	16 33	26 48	7 44	1 59	
M19	1 34	27 19	4 7	5 20	3 47	6 22	1 24	21 41	0 57	0 24	1 37	16 13	1 19	17 1	0 22	3 31	1 13	23 4	2 12	16 14	16 33	26 47	7 43	1 58	
T 20	1 11	26 36	4 40	4 48	3 37	5 54	1 25	21 45	0 56	0 21	1 37	16 14	1 19	17 1	0 22	3 32	1 13	23 4	2 12	16 13	16 32	26 47	7 42	1 58	
W21	0 48	24 40	5 0	4 13	3 26	5 25	1 25	21 50	0 54	0 18	1 37	16 15	1 19	17 0	0 22	3 32	1 13	23 4	2 12	16 12	16 31	26 46	7 41	1 58	
T 22	0 24	21 37	5 8	3 35	3 12	4 56	1 26	21 54	0 53	0 14	1 37	16 16	1 19	17 0	0 22	3 33	1 13	23 4	2 12	16 10	16 30	26 46	7 40	1 58	
F 23	0 1	17 36	5 2	2 55	2 56	4 26	1 26	21 57	0 51	0 11	1 37	16 17	1 19	17 0	0 22	3 34	1 13	23 4	2 12	16 8	16 29	26 45	7 39	1 58	
S 24	0s22	12 46	4 41	2 14	2 39	3 57	1 26	22 1	0 50	0 8	1 37	16 18	1 19	16 59	0 22	3 34	1 13	23 4	2 12	16 5	16 28	26 45	7 38	1 58	
S 25	0 46	7 20	4 7	1 32	2 21	3 27	1 26	22 5	0 48	0 5	1 37	16 18	1 19	16 59	0 22	3 35	1 13	23 4	2 12	16 3	16 27	26 44	7 37	1 58	
M26	1 9	1 29	3 19	0 51	2 2	2 58	1 26	22 9	0 47	0 1	1 37	16 19	1 19	16 58	0 22	3 36	1 13	23 5	2 12	16 1	16 26	26 44	7 36	1 58	
T 27	1 32	4s33	2 20	0 12	1 42	2 28	1 26	22 12	0 45	0s 2	1 37	16 20	1 19	16 58	0 22	3 36	1 13	23 5	2 12	16 0	16 25	26 43	7 35	1 58	
W28	1 56	10 30	1 12	0n25	1 22	1 58	1 26	22 16	0 44	0 5	1 37	16 21	1 19	16 58	0 22	3 37	1 13	23 5	2 12	15 59	16 24	26 43	7 34	1 58	
T 29	2 19	16 3	0s 1	0 59	1 2	1 28	1 26	22 19	0 42	0 8	1 37	16 21	1 19	16 57	0 22	3 38	1 13	23 5	2 12	15 59	16 23	26 42	7 33	1 58	
F 30	2s42	20s51	1s15	1n28	0s42	0n58	1n25	22n22	0s40	0s11	1s37	16s22	1s19	16n57	0s22	3s38	1s13	23s 5	2s12	15n59	16n22	26n42	7n31	1n58	

ASTRODIENST EPHEMERIS for the year 2022

geocentric

OCTOBER 2022

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 38 50	7♂48'14	11♂32	24°R22	2♂ 5	20♂ 5	3°R 8	19°R 0	18°R22	23°R39	26°R 8	13♂50	15♂ 4	18♂51	14°R27	S 1
S 2	0 42 47	8°47'14	25°32	24°D13	3°20	20°25	3°Y 0	18°58	18♂20	23♂37	26♂ 8	13°51	15° 1	18°58	14°Y24	S 2
M 3	0 46 43	9°46'16	9♂39	24♂14	4°35	20°45	2°52	18°56	18°18	23°35	26° 7	13°R52	14°58	19° 5	14°21	M 3
T 4	0 50 40	10°45'19	23°51	24°26	5°50	21° 4	2°44	18°54	18°17	23°34	26° 7	13°51	14°55	19°11	14°19	T 4
W 5	0 54 36	11°44'24	8♂ 8	24°47	7° 5	21°23	2°36	18°52	18°15	23°32	26° 7	13°49	14°52	19°18	14°16	W 5
T 6	0 58 33	12°43'30	22°25	25°19	8°20	21°41	2°29	18°50	18°13	23°31	26° 7	13°46	14°49	19°25	14°13	T 6
F 7	1 2 29	13°42'39	6♂38	26° 0	9°35	21°59	2°21	18°48	18°11	23°29	26° 7	13°41	14°45	19°31	14°11	F 7
S 8	1 6 26	14°41'49	20°44	26°49	10°50	22°16	2°13	18°47	18° 9	23°28	26° 7	13°37	14°42	19°38	14° 8	S 8
S 9	1 10 22	15°41'01	4°Y38	27°46	12° 4	22°32	2° 6	18°45	18° 7	23°26	26°D 7	13°33	14°39	19°45	14° 5	S 9
M10	1 14 19	16°40'15	18°17	28°50	13°19	22°48	1°58	18°44	18° 5	23°25	26° 7	13°30	14°36	19°52	14° 2	M10
T 11	1 18 16	17°39'31	1♂37	0♂ 0	14°34	23° 3	1°51	18°43	18° 3	23°23	26° 7	13°28	14°33	19°58	14° 0	T 11
W12	1 22 12	18°38'49	14°38	1°17	15°49	23°18	1°43	18°42	18° 1	23°22	26° 7	13°D27	14°30	20° 5	13°57	W12
T 13	1 26 9	19°38'09	27°19	2°37	17° 4	23°32	1°36	18°41	17°59	23°20	26° 7	13°28	14°26	20°12	13°54	T 13
F 14	1 30 5	20°37'32	9♂44	4° 3	18°19	23°45	1°29	18°40	17°57	23°19	26° 7	13°29	14°23	20°18	13°52	F 14
S 15	1 34 2	21°36'57	21°54	5°31	19°35	23°58	1°22	18°39	17°55	23°18	26° 8	13°31	14°20	20°25	13°49	S 15
S 16	1 37 58	22°36'24	3♂54	7° 3	20°50	24°10	1°15	18°38	17°53	23°16	26° 8	13°33	14°17	20°32	13°46	S 16
M17	1 41 55	23°35'54	15°47	8°37	22° 5	24°21	1° 8	18°37	17°50	23°15	26° 8	13°34	14°14	20°39	13°44	M17
T 18	1 45 51	24°35'26	27°39	10°13	23°20	24°31	1° 1	18°37	17°48	23°13	26° 8	13°R34	14°10	20°45	13°41	T 18
W19	1 49 48	25°35'00	9♂23	11°51	24°35	24°41	0°55	18°36	17°46	23°12	26° 8	13°33	14° 7	20°52	13°38	W19
T 20	1 53 45	26°34'36	21°38	13°30	25°50	24°50	0°48	18°36	17°44	23°11	26° 9	13°32	14° 4	20°59	13°36	T 20
F 21	1 57 41	27°34'14	3♂54	15° 9	27° 5	24°59	0°42	18°36	17°41	23° 9	26° 9	13°30	14° 1	21° 5	13°33	F 21
S 22	2 1 38	28°33'55	16°25	16°50	28°20	25° 6	0°35	18°35	17°39	23° 8	26° 9	13°27	13°58	21°12	13°30	S 22
S 23	2 5 34	29°33'38	29°15	18°31	29°35	25°13	0°29	18°D35	17°37	23° 7	26°10	13°25	13°55	21°19	13°28	S 23
M24	2 9 31	0♂33'23	12♂23	20°12	0♂51	25°19	0°23	18°35	17°34	23° 6	26°10	13°23	13°51	21°26	13°25	M24
T 25	2 13 27	1°33'10	25°51	21°54	2° 6	25°24	0°18	18°35	17°32	23° 4	26°11	13°22	13°48	21°32	13°23	T 25
W26	2 17 24	2°32'59	9♂35	23°35	3°21	25°28	0°12	18°36	17°30	23° 3	26°11	13°D22	13°45	21°39	13°20	W26
T 27	2 21 20	3°32'50	23°35	25°17	4°36	25°31	0° 6	18°36	17°27	23° 2	26°12	13°22	13°42	21°46	13°18	T 27
F 28	2 25 17	4°32'43	7♂45	26°58	5°51	25°34	0° 1	18°37	17°25	23° 1	26°12	13°22	13°39	21°52	13°15	F 28
S 29	2 29 14	5°32'37	22° 2	28°39	7° 6	25°36	29♂56	18°37	17°23	23° 0	26°13	13°23	13°36	21°59	13°13	S 29
S 30	2 33 10	6°32'34	6♂21	0♂19	8°22	25°37	29°51	18°38	17°20	22°59	26°14	13°24	13°32	22° 6	13°10	S 30
M31	2 37 7	7♂32'32	20♂40	2♂ 0	9♂37	25°R37	29♂46	18°38	17°18	22♂58	26♂14	13♂24	13♂29	22♂13	13°Y 8	M31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	3 s 6	24s34	2s25	1n54	0s22	0n28	1n25	22n26	0s39	0s14	1s37	16s23	1s19	16n56	0s22	3s39	1s13	23s 5	2s12	15n59	16n21	26n41	7n30	1n58	
S 2	3 29	26 49	3 28	2 15	0 4	0s 2	1 25	22 29	0 37	0 18	1 37	16 23	1 19	16 56	0 22	3 40	1 13	23 5	2 12	16 0	16 21	26 40	7 29	1 58	
M 3	3 52	27 23	4 18	2 30	0n14	0 32	1 24	22 32	0 35	0 21	1 37	16 24	1 19	16 55	0 22	3 40	1 13	23 5	2 12	16 0	16 20	26 40	7 28	1 58	
T 4	4 15	26 9	4 53	2 40	0 30	1 2	1 24	22 35	0 33	0 24	1 37	16 25	1 19	16 55	0 22	3 41	1 13	23 5	2 12	16 0	16 19	26 39	7 27	1 58	
W 5	4 39	23 14	5 11	2 45	0 45	1 32	1 23	22 38	0 32	0 27	1 37	16 25	1 19	16 54	0 22	3 41	1 13	23 5	2 12	15 59	16 18	26 39	7 26	1 58	
T 6	5 2	18 54	5 9	2 45	0 59	2 2	1 23	22 41	0 30	0 30	1 37	16 26	1 19	16 54	0 22	3 42	1 13	23 5	2 12	15 58	16 17	26 38	7 25	1 58	
F 7	5 25	13 31	4 48	2 40	1 11	2 32	1 22	22 44	0 28	0 33	1 37	16 26	1 19	16 53	0 22	3 43	1 13	23 5	2 12	15 57	16 16	26 37	7 24	1 58	
S 8	5 48	7 29	4 9	2 31	1 21	3 2	1 21	22 47	0 26	0 36	1 37	16 27	1 19	16 53	0 22	3 43	1 13	23 5	2 12	15 55	16 15	26 37	7 23	1 57	
S 9	6 10	1 10	3 17	2 16	1 31	3 32	1 20	22 50	0 24	0 39	1 37	16 27	1 19	16 52	0 22	3 44	1 13	23 5	2 12	15 54	16 14	26 36	7 21	1 57	
M10	6 33	5n 6	2 14	1 58	1 38	4 2	1 19	22 53	0 22	0 42	1 37	16 27	1 19	16 51	0 22	3 44	1 13	23 5	2 12	15 53	16 13	26 36	7 20	1 57	
T 11	6 56	11 2	1 5	1 36	1 45	4 32	1 19	22 55	0 20	0 45	1 37	16 28	1 19	16 51	0 22	3 45	1 13	23 5	2 12	15 53	16 12	26 35	7 19	1 57	
W12	7 18	16 20	0n 6	1 11	1 50	5 2	1 18	22 58	0 18	0 48	1 37	16 28	1 19	16 50	0 22	3 46	1 13	23 5	2 12	15 53	16 11	26 34	7 18	1 57	
T 13	7 41	20 47	1 16	0 42	1 54	5 32	1 16	23 1	0 16	0 50	1 36	16 28	1 19	16 50	0 22	3 46	1 13	23 5	2 12	15 53	16 10	26 34	7 17	1 57	
F 14	8 3	24 13	2 20	0 11	1 57	6 1	1 15	23 4	0 14	0 53	1 36	16 29	1 18	16 49	0 22	3 47	1 13	23 5	2 12	15 53	16 9	26 33	7 16	1 57	
S 15	8 26	26 27	3 16	0s22	1 59	6 31	1 14	23 7	0 12	0 56	1 36	16 29	1 18	16 49	0 22	3 47	1 13	23 5	2 12	15 54	16 8	26 32	7 15	1 57	
S 16	8 48	27 26	4 3	0 58	2 0	7 0	1 13	23 9	0 9	0 58	1 36	16 29	1 18	16 48	0 22	3 48	1 13	23 5	2 12	15 54	16 7	26 32	7 14	1 57	
M17	9 10	27 8	4 39	1 35	2 0	7 29	1 12	23 12	0 7	1 1	1 36	16 29	1 18	16 47	0 22	3 48	1 13	23 5	2 12	15 54	16 6	26 31	7 12	1 57	
T 18	9 32	25 35	5 3	2 13	1 59	7 58	1 10	23 15	0 5	1 4	1 36	16 29	1 18	16 47	0 22	3 49	1 13	23 5	2 12	15 55	16 6	26 30	7 11	1 57	
W19	9 53	22 54	5 15	2 53	1 58	8 27	1 9	23 17	0 3	1 6	1 36	16 29	1 18	16 46	0 22	3 49	1 13	23 5	2 12	15 54	16 5	26 29	7 10	1 57	
T 20	10 15	19 13	5 12	3 33	1 55	8 56	1 8	23 20	0 0	1 9	1 36	16 29	1 18	16 45	0 22	3 50	1 13	23 5	2 12	15 54	16 4	26 29	7 9	1 56	
F 21	10 37	14 40	4 56	4 14	1 53	9 24	1 6	23 23	0n 2	1 11	1 35	16 29	1 18	16 45	0 22	3 50	1 13	23 5	2 12	15 53	16 3	26 28	7 8	1 56	
S 22	10 58	9 26	4 25	4 56	1 49	9 53	1 5	23 25	0 5	1 13	1 35	16 29	1 18	16 44	0 22	3 51	1 13	23 5	2 12	15 53	16 2	26 27	7 7	1 56	
S 23	11 19	3 40	3 40	5 38	1 45	10 21	1 3	23 28	0 7	1 16	1 35	16 29	1 18	16 44	0 22	3 51	1 13	23 5	2 12	15 52	16 1	26 27	7 6	1 56	
M24	11 40	2s23	2 43	6 20	1 41	10 49	1 1	23 31	0 9	1 18	1 35	16 29	1 18	16 43	0 22	3 52	1 13	23 5	2 12	15 51	16 0	26 26	7 5	1 56	
T 25	12 1	8 30	1 35	7 2	1 37	11 16	1 0	23 33	0 12	1 20	1 35	16 29	1 18	16 42	0 22	3 52	1 13	23 5	2 13	15 51	15 59	26 25	7 4	1 56	
W26	12 21	14 21	0 21	7 44	1 32	11 43	0 58	23 36	0 15	1 22	1 35	16 29	1 18	16 42	0 22	3 53	1 13	23 5	2 13	15 51	15 58	26 24	7 3	1 56	
T 27	12 42	19 34	0s56	8 26	1 26	12 10	0 56	23 39	0 17	1 24	1 34	16 29	1 18	16 41	0 22	3 53	1 13	23 5	2 13	15 51	15 57	26 23	7 1	1 56	
F 28	13 2	23 45	2 11	9 8	1 21	12 37	0 54	23 42	0 20	1 26	1 34	16 29	1 18	16 40	0 22	3 54	1 13	23 5	2 13	15 51	15 56	26 23	7 0	1 56	
S 29	13 22	26 30	3 18	9 49	1 15	13 4	0 52	23 44	0 22	1 28	1 34	16 29	1 18	16 40	0 22	3 54	1 13	23 5	2 13	15 51	15 55	26 22	6 59	1 56	
S 30	13 42	27 30	4 13	10 30	1 9	13 30	0 51	23 47	0 25	1 30	1 34	16 28	1 18	16 39	0 22	3 54	1 13	23 5	2 13	15 52	15 54	26 21	6 58	1 55	
M31	14s 2	26s40	4s52	11s11	1n 3	13s55	0n49	23n50	0n28	1s31	1s34	16s28	1s18	16n38	0s22	3s55	1s13	23s 4	2s13	15n52	15s53	26n20	6n57	1n55	

ASTRODIENST EPHEMERIS for the year 2022

geocentric

NOVEMBER 2022

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 41 3	8♈32°32'	4♈54°	3♈40°	10♈52°	25°R36	29°R42	18♈39°	17°R15	22°R57	26♈15°	13°R25	13♈26°	22♈19°	13°R 5	T 1
W 2	2 45 0	9°32'33"	19° 2	5°19	12° 7	25♈34	29♈37	18°40	17♈13	22♈56	26°15	13♈25	13°23	22°26	13°R 3	W 2
T 3	2 48 56	10°32'35"	3♈52°	6°58	13°23	25°32	29°33	18°41	17°10	22°55	26°16	13°24	13°20	22°33	13° 1	T 3
F 4	2 52 53	11°32'40"	16°52	8°37	14°38	25°28	29°29	18°43	17° 8	22°54	26°17	13°24	13°16	22°39	12°58	F 4
S 5	2 56 49	12°32'45"	0♈30°	10°15	15°53	25°24	29°25	18°44	17° 5	22°53	26°18	13°24	13°13	22°46	12°56	S 5
S 6	3 0 46	13°32'53"	13°56	11°53	17° 8	25°19	29°21	18°45	17° 3	22°52	26°19	13°D24	13°10	22°53	12°54	S 6
M 7	3 4 43	14°33'02"	27° 9	13°31	18°23	25°13	29°18	18°47	17° 0	22°51	26°19	13°24	13° 7	23° 0	12°52	M 7
T 8	3 8 39	15°33'12"	10♈7°	15° 8	19°39	25° 6	29°14	18°48	16°58	22°50	26°20	13°R24	13° 4	23° 6	12°49	T 8
W 9	3 12 36	16°33'25"	22°52	16°44	20°54	24°58	29°11	18°50	16°55	22°49	26°21	13°24	13° 1	23°13	12°47	W 9
T 10	3 16 32	17°33'39"	5♈23°	18°21	22° 9	24°49	29° 8	18°52	16°53	22°48	26°22	13°24	12°57	23°20	12°45	T 10
F 11	3 20 29	18°33'56"	17°42	19°57	23°24	24°40	29° 5	18°54	16°50	22°48	26°23	13°23	12°54	23°26	12°43	F 11
S 12	3 24 25	19°34'14"	29°49	21°32	24°40	24°29	29° 3	18°56	16°48	22°47	26°24	13°22	12°51	23°33	12°41	S 12
S 13	3 28 22	20°34'34"	11♈47°	23° 8	25°55	24°18	29° 0	18°58	16°46	22°46	26°25	13°21	12°48	23°40	12°39	S 13
M14	3 32 18	21°34'56"	23°41	24°43	27°10	24° 6	28°58	19° 0	16°43	22°45	26°26	13°20	12°45	23°47	12°37	M14
T 15	3 36 15	22°35'19"	5♈32°	26°17	28°25	23°53	28°56	19° 2	16°41	22°45	26°27	13°20	12°42	23°53	12°35	T 15
W16	3 40 12	23°35'45"	17°26	27°52	29°41	23°39	28°55	19° 4	16°38	22°44	26°28	13°19	12°38	24° 0	12°33	W16
T 17	3 44 8	24°36'12"	29°28	29°26	0♈56°	23°25	28°53	19° 7	16°36	22°44	26°29	13°D19	12°35	24° 7	12°31	T 17
F 18	3 48 5	25°36'41"	11♈41°	1♈ 0	2°11	23° 9	28°52	19° 9	16°33	22°43	26°30	13°20	12°32	24°13	12°29	F 18
S 19	3 52 1	26°37'12"	24°11	2°34	3°27	22°53	28°50	19°12	16°31	22°43	26°31	13°21	12°29	24°20	12°28	S 19
S 20	3 55 58	27°37'45"	7♈ 1	4° 7	4°42	22°36	28°50	19°15	16°28	22°42	26°33	13°22	12°26	24°27	12°26	S 20
M21	3 59 54	28°38'20"	20°14	5°40	5°57	22°19	28°49	19°18	16°26	22°42	26°34	13°23	12°22	24°34	12°24	M21
T 22	4 3 51	29°38'56"	3♈52°	7°13	7°12	22° 1	28°48	19°21	16°24	22°41	26°35	13°24	12°19	24°40	12°23	T 22
W23	4 7 47	0♈39°34'	17°53	8°46	8°28	21°42	28°48	19°24	16°21	22°41	26°36	13°R24	12°16	24°47	12°21	W23
T 24	4 11 44	1°40'13"	2♈16°	10°19	9°43	21°22	28°D48	19°27	16°19	22°40	26°37	13°23	12°13	24°54	12°19	T 24
F 25	4 15 41	2°40'54"	16°53	11°51	10°58	21° 2	28°48	19°30	16°16	22°40	26°39	13°22	12°10	25° 0	12°18	F 25
S 26	4 19 37	3°41'36"	1♈40°	13°24	12°14	20°42	28°48	19°33	16°14	22°40	26°40	13°19	12° 7	25° 7	12°16	S 26
S 27	4 23 34	4°42'20"	16°27	14°56	13°29	20°21	28°49	19°37	16°12	22°40	26°41	13°16	12° 3	25°14	12°15	S 27
M28	4 27 30	5°43'04"	1♈ 9	16°28	14°44	19°59	28°50	19°40	16° 9	22°39	26°43	13°13	12° 0	25°21	12°14	M28
T 29	4 31 27	6°43'50"	15°38	18° 0	16° 0	19°37	28°51	19°44	16° 7	22°39	26°44	13°11	11°57	25°27	12°12	T 29
W30	4 35 23	7♈44°36'	29♈51°	19♈32°	17♈15°	19♈15°	28♈52°	19♈47°	16♈ 5	22♈39°	26♈45°	13♈10°	11♈54°	25♈34°	12♈11°	W30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s21	24s 6	5s13	11s51	0n57	14s21	0n47	23n52	0n31	1s33	1s33	16s28	1s17	16n38	0s22	3s55	1s13	23s 4	2s13	15n52	15n52	26n20	6n56	1n55	
W 2	14 40	20 6	5 15	12 30	0 50	14 46	0 45	23 55	0 33	1 35	1 33	16 27	1 17	16 37	0 22	3 56	1 13	23 4	2 13	15 52	15 51	26 19	6 55	1 55	
T 3	14 59	15 2	4 59	13 9	0 44	15 11	0 43	23 58	0 36	1 36	1 33	16 27	1 17	16 36	0 22	3 56	1 13	23 4	2 13	15 52	15 50	26 18	6 54	1 55	
F 4	15 18	9 15	4 25	13 47	0 37	15 35	0 40	24 1	0 39	1 37	1 33	16 26	1 17	16 35	0 22	3 56	1 13	23 4	2 13	15 52	15 49	26 17	6 53	1 55	
S 5	15 36	3 6	3 36	14 25	0 30	15 59	0 38	24 3	0 42	1 39	1 32	16 26	1 17	16 35	0 22	3 57	1 13	23 4	2 13	15 52	15 48	26 16	6 52	1 55	
S 6	15 54	3n 6	2 36	15 2	0 24	16 22	0 36	24 6	0 45	1 40	1 32	16 26	1 17	16 34	0 22	3 57	1 13	23 4	2 13	15 52	15 47	26 15	6 51	1 55	
M 7	16 12	9 4	1 29	15 38	0 17	16 45	0 34	24 9	0 48	1 41	1 32	16 25	1 17	16 33	0 22	3 57	1 13	23 4	2 13	15 52	15 46	26 14	6 50	1 54	
T 8	16 30	14 34	0 18	16 13	0 10	17 8	0 32	24 12	0 51	1 42	1 32	16 24	1 17	16 33	0 22	3 58	1 13	23 3	2 13	15 52	15 46	26 14	6 49	1 54	
W 9	16 47	19 20	0n52	16 47	0 3	17 30	0 30	24 14	0 54	1 43	1 31	16 24	1 17	16 32	0 22	3 58	1 13	23 3	2 13	15 52	15 45	26 13	6 48	1 54	
T 10	17 4	23 9	1 59	17 21	0s 3	17 52	0 27	24 17	0 57	1 44	1 31	16 23	1 17	16 31	0 22	3 58	1 13	23 3	2 13	15 52	15 44	26 12	6 47	1 54	
F 11	17 21	25 50	2 59	17 53	0 10	18 13	0 25	24 20	1 0	1 45	1 31	16 23	1 17	16 31	0 22	3 59	1 13	23 3	2 13	15 51	15 43	26 11	6 46	1 54	
S 12	17 37	27 16	3 50	18 25	0 17	18 34	0 23	24 22	1 3	1 46	1 31	16 22	1 17	16 30	0 22	3 59	1 13	23 3	2 13	15 51	15 42	26 10	6 45	1 54	
S 13	17 54	27 24	4 30	18 56	0 23	18 54	0 20	24 25	1 6	1 47	1 30	16 21	1 17	16 29	0 22	3 59	1 13	23 3	2 13	15 51	15 41	26 9	6 44	1 54	
M14	18 9	26 15	4 58	19 26	0 30	19 14	0 18	24 27	1 9	1 47	1 30	16 21	1 17	16 29	0 22	3 59	1 13	23 3	2 13	15 51	15 40	26 8	6 44	1 53	
T 15	18 25	23 57	5 14	19 55	0 36	19 33	0 16	24 30	1 12	1 48	1 30	16 20	1 17	16 28	0 22	4 0	1 13	23 2	2 13	15 50	15 39	26 7	6 43	1 53	
W16	18 40	20 37	5 16	20 23	0 43	19 52	0 13	24 32	1 15	1 48	1 30	16 19	1 17	16 27	0 22	4 0	1 13	23 2	2 13	15 50	15 38	26 6	6 42	1 53	
T 17	18 55	16 24	5 4	20 50	0 49	20 10	0 11	24 35	1 18	1 49	1 29	16 18	1 16	16 26	0 22	4 0	1 13	23 2	2 13	15 50	15 37	26 6	6 41	1 53	
F 18	19 10	11 28	4 39	21 16	0 55	20 27	0 9	24 37	1 21	1 49	1 29	16 17	1 16	16 26	0 22	4 0	1 13	23 2	2 13	15 50	15 36	26 5	6 40	1 53	
S 19	19 24	5 59	4 0	21 40	1 1	20 44	0 6	24 39	1 24	1 49	1 29	16 16	1 16	16 25	0 22	4 0	1 13	23 2	2 13	15 51	15 35	26 4	6 39	1 53	
S 20	19 38	0 5	3 8	22 4	1 7	21 1	0 4	24 41	1 27	1 49	1 29	16 15	1 16	16 24	0 22	4 0	1 13	23 1	2 13	15 51	15 34	26 3	6 38	1 53	
M21	19 51	5s59	2 5	22 27	1 13	21 17	0 1	24 43	1 30	1 49	1 28	16 15	1 16	16 24	0 22	4 1	1 13	23 1	2 13	15 51	15 33	26 2	6 38	1 52	
T 22	20 4	11 59	0 52	22 49	1 19	21 32	0s 1	24 45	1 33	1 49	1 28	16 14	1 16	16 23	0 22	4 1	1 13	23 1	2 13	15 52	15 32	26 1	6 37	1 52	
W23	20 17	17 33	0s25	23 9	1 24	21 46	0 3	24 47	1 37	1 49	1 28	16 13	1 16	16 22	0 22	4 1	1 12	23 1	2 13	15 52	15 31	26 0	6 36	1 52	
T 24	20 30	22 17	1 42	23 28	1 30	22 0	0 6	24 49	1 40	1 49	1 27	16 12	1 16	16 22	0 22	4 1	1 12	23 1	2 13	15 51	15 30	25 59	6 35	1 52	
F 25	20 42	25 41	2 54	23 46	1 35	22 13	0 8	24 50	1 42	1 49	1 27	16 10	1 16	16 21	0 22	4 1	1 12	23 0	2 13	15 51	15 29	25 58	6 35	1 52	
S 26	20 53	27 21	3 55	24 3	1 40	22 26	0 11	24 52	1 45	1 48	1 27	16 9	1 16	16 20	0 22	4 1	1 12	23 0	2 13	15 50	15 28	25 57	6 34	1 52	
S 27	21 5	27 4	4 41	24 19	1 44	22 38	0 13	24 53	1 48	1 48	1 27	16 8	1 16	16 20	0 22	4 1	1 12	23 0	2 13	15 49	15 27	25 56	6 33	1 52	
M28	21 15	24 54	5 7	24 33	1 49	22 49	0 16	24 55	1 51	1 47	1 26	16 7	1 16	16 19	0 22	4 1	1 12	23 0	2 13	15 48	15 26	25 55	6 33	1 51	
T 29	21 26	21 8	5 14	24 46	1 53	23 0	0 18	24 56	1 54	1 47	1 26	16 6	1 16	16 18	0 22	4 1	1 12	22 59	2 13	15 48	15 25	25 54	6 32	1 51	
W30	21s36	16s13	5s 1	24s58	1s57	23s10	0s20	24n57	1n57	1s46	1s26	16s 5	1s16	16n18	0s22	4s 1	1s12	22s59	2s14	15n47	15n24	25n53	6n31	1n51	

ASTRODIENST EPHEMERIS for the year 2022

geocentric

DECEMBER 2022

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 39 20	8♂45'24	13♂46	21♂ 3	18♂30	18°R53	28♂53	19♂51	16°R 3	22°R39	26♂47	13°D 9	11♂51	25♂41	12°R10	T 1
F 2	4 43 17	9°46'12	27°23	22°34	19°46	18II30	28°55	19°55	16♂ 0	22♂39	26°48	13♂10	11°48	25°47	12°V 9	F 2
S 3	4 47 13	10°47'01	10°V42	24° 6	21° 1	18° 7	28°56	19°59	15°58	22°39	26°50	13°12	11°44	25°54	12° 8	S 3
S 4	4 51 10	11°47'51	23°45	25°36	22°16	17°44	28°58	20° 3	15°56	22°D39	26°51	13°14	11°41	26° 1	12° 6	S 4
M 5	4 55 6	12°48'41	6♂35	27° 7	23°31	17°21	29° 1	20° 7	15°54	22°39	26°53	13°15	11°38	26° 8	12° 5	M 5
T 6	4 59 3	13°49'33	19°12	28°37	24°47	16°58	29° 3	20°11	15°52	22°39	26°54	13°R15	11°35	26°14	12° 4	T 6
W 7	5 2 59	14°50'26	1II39	0♂ 7	26° 2	16°34	29° 6	20°15	15°50	22°39	26°56	13°13	11°32	26°21	12° 4	W 7
T 8	5 6 56	15°51'20	13°56	1°36	27°17	16°11	29° 8	20°20	15°48	22°39	26°57	13°10	11°28	26°28	12° 3	T 8
F 9	5 10 52	16°52'15	26° 4	3° 5	28°32	15°48	29°11	20°24	15°46	22°39	26°59	13° 5	11°25	26°35	12° 2	F 9
S 10	5 14 49	17°53'10	8♂ 6	4°33	29°48	15°25	29°14	20°29	15°44	22°39	27° 1	12°59	11°22	26°41	12° 1	S 10
S 11	5 18 46	18°54'07	20° 2	6° 1	1♂ 3	15° 3	29°18	20°33	15°42	22°40	27° 2	12°52	11°19	26°48	12° 0	S 11
M12	5 22 42	19°55'05	1°II54	7°27	2°18	14°40	29°21	20°38	15°40	22°40	27° 4	12°45	11°16	26°55	12° 0	M12
T 13	5 26 39	20°56'04	13°45	8°53	3°34	14°18	29°25	20°42	15°38	22°40	27° 5	12°39	11°13	27° 1	11°59	T 13
W14	5 30 35	21°57'03	25°39	10°17	4°49	13°57	29°29	20°47	15°36	22°40	27° 7	12°34	11° 9	27° 8	11°59	W14
T 15	5 34 32	22°58'04	7II38	11°40	6° 4	13°35	29°33	20°52	15°34	22°41	27° 9	12°30	11° 6	27°15	11°58	T 15
F 16	5 38 28	23°59'06	19°47	13° 1	7°19	13°14	29°38	20°57	15°32	22°41	27°11	12°D29	11° 3	27°22	11°58	F 16
S 17	5 42 25	25° 0'08	2♂11	14°20	8°35	12°54	29°42	21° 2	15°30	22°42	27°12	12°29	11° 0	27°28	11°57	S 17
S 18	5 46 21	26° 1'12	14°55	15°36	9°50	12°34	29°47	21° 7	15°29	22°42	27°14	12°30	10°57	27°35	11°57	S 18
M19	5 50 18	27° 2'17	28° 3	16°50	11° 5	12°14	29°52	21°12	15°27	22°43	27°16	12°32	10°54	27°42	11°57	M19
T 20	5 54 15	28° 3'22	11II38	18° 1	12°20	11°55	29°57	21°18	15°25	22°43	27°17	12°R32	10°50	27°48	11°56	T 20
W21	5 58 11	29° 4'29	25°41	19° 8	13°36	11°37	0°V 2	21°23	15°24	22°44	27°19	12°32	10°47	27°55	11°56	W21
T 22	6 2 8	0♂ 5'36	10♂12	20°10	14°51	11°20	0° 8	21°28	15°22	22°44	27°21	12°29	10°44	28° 2	11°56	T 22
F 23	6 6 4	1° 6'43	25° 5	21° 8	16° 6	11° 3	0°13	21°34	15°21	22°45	27°23	12°23	10°41	28° 9	11°D56	F 23
S 24	6 10 1	2° 7'52	10♂13	21°59	17°21	10°46	0°19	21°39	15°19	22°46	27°25	12°16	10°38	28°15	11°56	S 24
S 25	6 13 57	3° 9'00	25°26	22°44	18°37	10°31	0°25	21°45	15°18	22°46	27°26	12° 8	10°34	28°22	11°56	S 25
M26	6 17 54	4°10'09	10♂32	23°22	19°52	10°16	0°31	21°50	15°16	22°47	27°28	12° 0	10°31	28°29	11°56	M26
T 27	6 21 51	5°11'18	25°24	23°51	21° 7	10° 2	0°37	21°56	15°15	22°48	27°30	11°53	10°28	28°35	11°56	T 27
W28	6 25 47	6°12'27	9♂52	24°11	22°22	9°49	0°44	22° 2	15°14	22°49	27°32	11°48	10°25	28°42	11°57	W28
T 29	6 29 44	7°13'36	23°56	24°R21	23°37	9°36	0°51	22° 7	15°12	22°50	27°34	11°45	10°22	28°49	11°57	T 29
F 30	6 33 40	8°14'45	7°V33	24°19	24°53	9°25	0°57	22°13	15°11	22°50	27°36	11°D44	10°19	28°56	11°57	F 30
S 31	6 37 37	9♂15'53	20°V46	24♂ 7	26♂ 8	9II14	1°V 4	22♂19	15♂10	22♂51	27♂38	11♂44	10♂15	29♂ 2	11°V58	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	21s46	10s33	4s31	25s 9	2s 1	23s19	0s23	24n58	2n 0	1s45	1s26	16s 3	1s16	16n17	0s22	4s 1	1s12
F 2	21 55	4 29	3 46	25 18	2 4	23 28	0 25	24 58	2 2	1 44	1 25	16 2	1 16	16 17	0 22	4 1	1 12
S 3	22 4	1n39	2 49	25 26	2 8	23 35	0 27	24 59	2 5	1 43	1 25	16 1	1 16	16 16	0 22	4 1	1 12
S 4	22 12	7 36	1 45	25 32	2 10	23 42	0 30	24 59	2 8	1 42	1 25	16 0	1 16	16 15	0 22	4 1	1 12
M 5	22 20	13 8	0 36	25 37	2 13	23 49	0 32	25 0	2 10	1 41	1 24	15 58	1 15	16 15	0 22	4 1	1 12
T 6	22 28	18 3	0n33	25 41	2 15	23 55	0 34	25 0	2 12	1 40	1 24	15 57	1 15	16 14	0 22	4 1	1 12
W 7	22 35	22 6	1 39	25 43	2 17	23 59	0 37	25 0	2 15	1 39	1 24	15 55	1 15	16 14	0 22	4 1	1 12
T 8	22 41	25 7	2 40	25 44	2 18	24 4	0 39	25 0	2 17	1 37	1 24	15 54	1 15	16 13	0 22	4 1	1 12
F 9	22 47	26 55	3 32	25 43	2 19	24 7	0 41	24 59	2 19	1 36	1 23	15 53	1 15	16 12	0 22	4 1	1 12
S 10	22 53	27 26	4 15	25 41	2 19	24 10	0 43	24 59	2 22	1 34	1 23	15 51	1 15	16 12	0 22	4 1	1 12
S 11	22 58	26 39	4 46	25 37	2 19	24 12	0 46	24 59	2 24	1 33	1 23	15 50	1 15	16 11	0 22	4 1	1 12
M12	23 3	24 40	5 4	25 32	2 19	24 13	0 48	24 58	2 26	1 31	1 22	15 48	1 15	16 11	0 22	4 1	1 12
T 13	23 8	21 38	5 10	25 26	2 18	24 13	0 50	24 57	2 28	1 29	1 22	15 47	1 15	16 10	0 22	4 1	1 12
W14	23 12	17 42	5 2	25 18	2 16	24 13	0 52	24 57	2 29	1 27	1 22	15 45	1 15	16 10	0 22	4 0	1 12
T 15	23 15	13 3	4 41	25 8	2 13	24 12	0 54	24 56	2 31	1 26	1 22	15 43	1 15	16 9	0 22	4 0	1 12
F 16	23 18	7 50	4 7	24 58	2 10	24 10	0 56	24 55	2 33	1 24	1 21	15 42	1 15	16 9	0 22	4 0	1 12
S 17	23 21	2 12	3 21	24 46	2 6	24 8	0 58	24 54	2 34	1 22	1 21	15 40	1 15	16 8	0 22	4 0	1 12
S 18	23 23	3s40	2 24	24 32	2 2	24 4	1 0	24 53	2 36	1 19	1 21	15 38	1 15	16 8	0 22	4 0	1 12
M19	23 24	9 34	1 18	24 18	1 56	24 0	1 2	24 52	2 37	1 17	1 21	15 37	1 15	16 7	0 22	3 59	1 12
T 20	23 25	15 15	0 5	24 2	1 50	23 56	1 4	24 50	2 39	1 15	1 20	15 35	1 15	16 7	0 22	3 59	1 12
W21	23 26	20 19	1s10	23 46	1 42	23 50	1 6	24 49	2 40	1 13	1 20	15 33	1 15	16 6	0 22	3 59	1 12
T 22	23 26	24 20	2 23	23 28	1 34	23 44	1 8	24 48	2 41	1 10	1 20	15 32	1 15	16 6	0 22	3 59	1 12
F 23	23 26	26 49	3 28	23 10	1 24	23 37	1 9	24 46	2 42	1 8	1 20	15 30	1 15	16 5	0 22	3 58	1 11
S 24	23 25	27 22	4 20	22 51	1 14	23 29	1 11	24 45	2 43	1 5	1 19	15 28	1 15	16 5	0 22	3 58	1 11
S 25	23 24	25 51	4 53	22 32	1 2	23 21	1 13	24 44	2 44	1 3	1 19	15 26	1 15	16 5	0 22	3 58	1 11
M26	23 22	22 30	5 6	22 13	0 49	23 12	1 14	24 43	2 45	1 0	1 19	15 24	1 15	16 4	0 22	3 57	1 11
T 27	23 20	17 43	4 58	21 54	0 35	23 2	1 16	24 41	2 46	0 57	1 18	15 22	1 15	16 4	0 22	3 57	1 11
W28	23 18	12 2	4 30	21 36	0 20	22 51	1 17	24 40	2 47	0 54	1 18	15 21	1 15	16 4	0 22	3 57	1 11
T 29	23 14	5 53	3 47	21 18	0 3	22 40	1 19	24 39	2 47	0 51	1 18	15 19	1 15	16 3	0 21	3 56	1 11
F 30	23 11	0n21	2 53	21 1	0n14	22 28	1 20	24 38	2 48	0 48	1 18	15 17	1 15	16 3	0 21	3 56	1 11
S 31	23s 7	6n25	1s50	20s45	0n33	22s15	1s22	24n36	2n48	0s45	1s17	15s15	1s15	16n 3	0s21	3s56	1s11

Julian Day Number = 2459914.5, Delta T = 69.19 sec
 Ecliptic obliquity = 23°26'17", Nutation = - 0°00'12", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°03'37", Lahiri = 24°10'38"