



# Astrodienst Ephemeris Tables for the year 2201

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 2201

## geocentric

JANUARY 2201

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 41 9	10°3'43"	7°11'51"	13°R48	16°41'	23°34'5	5°Y26	8°H59	1°R35	24°R33	26°R30	18°R 2	17°32	11°17'57	28°36'	T 1
F 2	6 45 5	11° 5'40"	20°35'	12°32'9	17° 0'	24°32'	5°33'	9° 4'	1°33'	24°Y33	26°12'9	17°59'	17°29'	12° 3'	28°43'	F 2
S 3	6 49 2	12° 6'49"	3°14'44"	11° 7'	17°17'	25°19'	5°40'	9° 9'	1°30'	24°33'	26°28'	17°52'	17°26'	12°10'	28°50'	S 3
S 4	6 52 58	13° 7'59"	17°19'	9°46'	17°33'	26° 5'	5°46'	9°14'	1°28'	24°33'	26°27'	17°43'	17°22'	12°17'	28°57'	S 4
M 5	6 56 55	14° 9'09"	1°31'9	8°28'	17°46'	26°52'	5°53'	9°20'	1°25'	24°D33	26°26'	17°32'	17°19'	12°23'	29° 3'	M 5
T 6	7 0 51	15°10'19"	15°41'	7°15'	17°57'	27°39'	6° 1'	9°25'	1°23'	24°33'	26°25'	17°19'	17°16'	12°30'	29°10'	T 6
W 7	7 4 48	16°11'29"	0°11'8	6°11'	18° 5'	28°26'	6° 8'	9°30'	1°20'	24°33'	26°24'	17° 7'	17°13'	12°37'	29°17'	W 7
T 8	7 8 45	17°12'39"	15° 3'	5°14'	18°12'	29°12'	6°15'	9°35'	1°18'	24°33'	26°23'	16°56'	17°10'	12°43'	29°23'	T 8
F 9	7 12 41	18°13'49"	29°47'	4°28'	18°16'	29°59'	6°23'	9°41'	1°15'	24°33'	26°22'	16°48'	17° 7'	12°50'	29°30'	F 9
S 10	7 16 38	19°14'58"	14°14'23"	3°52'	18°R17	0°46'	6°31'	9°46'	1°13'	24°33'	26°21'	16°42'	17° 3'	12°57'	29°36'	S 10
S 11	7 20 34	20°16'07"	28°46'	3°25'	18°16'	1°33'	6°39'	9°52'	1°11'	24°34'	26°19'	16°40'	17° 0'	13° 3'	29°43'	S 11
M12	7 24 31	21°17'16"	12°Y54	3° 9'	18°13'	2°20'	6°47'	9°57'	1° 8'	24°34'	26°18'	16°39'	16°57'	13°10'	29°50'	M12
T 13	7 28 27	22°18'24"	26°46'	3°D 2	18° 7'	3° 7'	6°55'	10° 3'	1° 6'	24°34'	26°17'	16°39'	16°54'	13°17'	29°56'	T 13
W14	7 32 24	23°19'32"	10°32'3	3° 4'	17°59'	3°54'	7° 4'	10° 9'	1° 4'	24°34'	26°16'	16°38'	16°51'	13°23'	0° 3'	W14
T 15	7 36 20	24°20'39"	23°42'	3°15'	17°48'	4°41'	7°12'	10°15'	1° 1'	24°35'	26°15'	16°35'	16°48'	13°30'	0° 9'	T 15
F 16	7 40 17	25°21'46"	6°11'57	3°33'	17°34'	5°28'	7°21'	10°21'	0°59'	24°35'	26°14'	16°30'	16°44'	13°37'	0°15'	F 16
S 17	7 44 14	26°22'52"	19°56'	3°57'	17°18'	6°15'	7°30'	10°26'	0°57'	24°36'	26°12'	16°21'	16°41'	13°43'	0°22'	S 17
S 18	7 48 10	27°23'57"	2°34'5	4°29'	17° 0'	7° 2'	7°39'	10°32'	0°54'	24°36'	26°11'	16°10'	16°38'	13°50'	0°28'	S 18
M19	7 52 7	28°25'02"	15°22'	5° 6'	16°39'	7°49'	7°48'	10°38'	0°52'	24°36'	26°10'	15°57'	16°35'	13°57'	0°34'	M19
T 20	7 56 3	29°26'07"	27°49'	5°48'	16°16'	8°36'	7°57'	10°45'	0°50'	24°37'	26° 9'	15°43'	16°32'	14° 3'	0°41'	T 20
W21	8 0 0	0°11'27'11"	10°10'5	6°34'	15°51'	9°23'	8° 6'	10°51'	0°48'	24°37'	26° 7'	15°29'	16°28'	14°10'	0°47'	W21
T 22	8 3 56	1°28'14"	22°11'	7°25'	15°23'	10°11'	8°16'	10°57'	0°46'	24°38'	26° 6'	15°17'	16°25'	14°17'	0°53'	T 22
F 23	8 7 53	2°29'17"	4°11'9	8°20'	14°54'	10°58'	8°25'	11° 3'	0°44'	24°39'	26° 5'	15° 7'	16°22'	14°23'	0°59'	F 23
S 24	8 11 50	3°30'19"	15°59'	9°17'	14°23'	11°45'	8°35'	11° 9'	0°42'	24°39'	26° 3'	15° 1'	16°19'	14°30'	1° 5'	S 24
S 25	8 15 46	4°31'22"	27°46'	10°18'	13°51'	12°32'	8°45'	11°16'	0°40'	24°40'	26° 2'	14°57'	16°16'	14°37'	1°12'	S 25
M26	8 19 43	5°32'23"	9°11'34	11°22'	13°17'	13°20'	8°55'	11°22'	0°38'	24°41'	26° 1'	14°D55	16°13'	14°43'	1°18'	M26
T 27	8 23 39	6°33'24"	21°27'	12°28'	12°42'	14° 7'	9° 5'	11°29'	0°36'	24°41'	25°59'	14°55'	16° 9'	14°50'	1°24'	T 27
W28	8 27 36	7°34'25"	3°11'30	13°37'	12° 6'	14°54'	9°15'	11°35'	0°34'	24°42'	25°58'	14°R56	16° 6'	14°57'	1°30'	W28
T 29	8 31 32	8°35'25"	15°49'	14°47'	11°29'	15°41'	9°26'	11°42'	0°32'	24°43'	25°57'	14°56'	16° 3'	15° 3'	1°35'	T 29
F 30	8 35 29	9°36'25"	28°29'	16° 0'	10°52'	16°29'	9°36'	11°48'	0°30'	24°44'	25°55'	14°54'	16° 0'	15°10'	1°41'	F 30
S 31	8 39 25	10°37'24"	11°11'35	17°11'4	10°15'	17°16'	9°Y47	11°H55	0°28'	24°Y45	25°12'4	14°12'5	15°12'57	15°11'17	1°12'47	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	23s 2	12s29	1n43	20s37	2n 5	15s25	0n25	22s22	1s 3	0n58	1s18	9s50	1s46	23n38	0n14	7n56	1s41
F 2	22 57	15 15	2 43	20 28	2 22	15 8	0 37	22 14	1 4	1 1	1 17	9 48	1 46	23 38	0 14	7 56	1 41
S 3	22 52	17 20	3 37	20 21	2 37	14 51	0 49	22 6	1 4	1 4	1 17	9 46	1 46	23 39	0 14	7 56	1 41
S 4	22 46	18 30	4 20	20 14	2 49	14 35	1 2	21 57	1 4	1 7	1 17	9 44	1 46	23 39	0 14	7 56	1 41
M 5	22 40	18 36	4 49	20 10	2 59	14 19	1 14	21 48	1 4	1 10	1 17	9 42	1 46	23 39	0 14	7 56	1 41
T 6	22 33	17 31	5 0	20 6	3 7	14 3	1 27	21 39	1 4	1 13	1 16	9 40	1 46	23 39	0 14	7 56	1 41
W 7	22 26	15 18	4 52	20 4	3 12	13 47	1 41	21 30	1 4	1 16	1 16	9 38	1 46	23 39	0 14	7 56	1 41
T 8	22 18	12 4	4 25	20 4	3 15	13 32	1 54	21 20	1 4	1 19	1 16	9 36	1 46	23 39	0 14	7 56	1 41
F 9	22 10	8 5	3 41	20 5	3 15	13 18	2 8	21 11	1 4	1 22	1 16	9 34	1 46	23 39	0 14	7 57	1 41
S 10	22 2	3 39	2 42	20 8	3 14	13 4	2 23	21 1	1 5	1 26	1 15	9 32	1 46	23 39	0 14	7 57	1 41
S 11	21 53	0n56	1 33	20 12	3 10	12 50	2 37	20 50	1 5	1 29	1 15	9 29	1 46	23 39	0 14	7 57	1 41
M12	21 44	5 24	0 20	20 17	3 6	12 37	2 52	20 40	1 5	1 33	1 15	9 27	1 46	23 39	0 14	7 57	1 40
T 13	21 34	9 29	0s53	20 23	3 0	12 25	3 7	20 29	1 5	1 36	1 15	9 25	1 45	23 39	0 14	7 57	1 40
W14	21 24	12 59	2 2	20 30	2 53	12 13	3 22	20 18	1 5	1 40	1 14	9 23	1 45	23 39	0 14	7 57	1 40
T 15	21 13	15 44	3 3	20 37	2 45	12 2	3 37	20 7	1 5	1 43	1 14	9 21	1 45	23 39	0 14	7 57	1 40
F 16	21 2	17 37	3 53	20 45	2 37	11 52	3 52	19 56	1 5	1 47	1 14	9 18	1 45	23 39	0 14	7 58	1 40
S 17	20 51	18 33	4 30	20 53	2 28	11 42	4 7	19 44	1 5	1 50	1 14	9 16	1 45	23 39	0 14	7 58	1 40
S 18	20 39	18 31	4 52	21 1	2 19	11 33	4 23	19 33	1 5	1 54	1 13	9 14	1 45	23 39	0 14	7 58	1 40
M19	20 27	17 33	5 0	21 10	2 9	11 24	4 38	19 21	1 5	1 58	1 13	9 11	1 45	23 39	0 14	7 58	1 40
T 20	20 15	15 46	4 54	21 18	1 59	11 17	4 53	19 8	1 5	2 2	1 13	9 9	1 45	23 39	0 14	7 58	1 40
W21	20 2	13 18	4 34	21 25	1 50	11 10	5 8	18 56	1 5	2 6	1 13	9 7	1 45	23 39	0 14	7 59	1 40
T 22	19 49	10 17	4 1	21 33	1 40	11 4	5 22	18 43	1 5	2 10	1 13	9 4	1 45	23 39	0 14	7 59	1 40
F 23	19 35	6 54	3 19	21 39	1 30	10 58	5 37	18 30	1 5	2 14	1 12	9 2	1 45	23 39	0 14	7 59	1 40
S 24	19 21	3 15	2 27	21 45	1 20	10 54	5 51	18 17	1 5	2 18	1 12	8 59	1 45	23 39	0 14	8 0	1 40
S 25	19 6	0s30	1 30	21 51	1 10	10 50	6 4	18 4	1 5	2 22	1 12	8 57	1 45	23 39	0 14	8 0	1 40
M26	18 52	4 13	0 28	21 55	1 0	10 47	6 17	17 51	1 5	2 26	1 12	8 54	1 45	23 39	0 14	8 0	1 40
T 27	18 37	7 49	0n35	21 59	0 51	10 45	6 29	17 37	1 5	2 30	1 12	8 52	1 45	23 39	0 14	8 0	1 40
W28	18 21	11 8	1 37	22 2	0 41	10 43	6 41	17 23	1 5	2 34	1 11	8 49	1 45	23 39	0 14	8 1	1 40
T 29	18 6	14 3	2 37	22 4	0 32	10 43	6 52	17 9	1 5	2 38	1 11	8 47	1 44	23 39	0 14	8 1	1 40
F 30	17 49	16 22	3 31	22 5	0 23	10 43	7 2	16 55	1 5	2 43	1 11	8 44	1 44	23 39	0 14	8 1	1 39
S 31	17s33	17s56	4n15	22s 4	0n14	10s43	7n11	16s41	1s 5	2n47	1s11	8s42	1s44	23n39	0n14	8n 2	1s39

Julian Day Number = 2524958.5, Delta T = 163.98 sec  
 Ecliptic obliquity = 23°24'38", Nutation = 0°00'06", out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 27°32'57", Lahiri = 26°39'58"

# ASTRODIENST EPHEMERIS for the year 2201

## geocentric

FEBRUARY 2201

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 43 22	11°38'23	25°9' 9	18°38'29	9°R38	18°38' 3	9°V57	12°H 1	0°R26	24°V46	25°R52	14°R43	15°D53	15°M23	1°C53	S 1	
M 2	8 47 19	12°39'21	9°3'13	19°47	9°38' 2	18°51	10° 8	12° 8	0°D25	24°47	25°D51	14°D35	15°50	15°30	1°59	M 2	
T 3	8 51 15	13°40'18	23°43	21° 5	8°26	19°38	10°19	12°15	0°23	24°48	25°50	14°25	15°47	15°37	2° 4	T 3	
W 4	8 55 12	14°41'14	8°35	22°25	7°51	20°26	10°30	12°22	0°21	24°49	25°48	14°15	15°44	15°43	2°10	W 4	
T 5	8 59 8	15°42'10	23°39	23°46	7°17	21°13	10°41	12°28	0°20	24°50	25°47	14° 6	15°41	15°50	2°15	T 5	
F 6	9 3 5	16°43'04	8°H46	25° 8	6°44	22° 0	10°53	12°35	0°18	24°51	25°45	13°59	15°38	15°57	2°21	F 6	
S 7	9 7 1	17°43'57	23°46	26°32	6°13	22°48	11° 4	12°42	0°17	24°52	25°44	13°55	15°34	16° 3	2°26	S 7	
S 8	9 10 58	18°44'48	8°V31	27°56	5°44	23°35	11°15	12°49	0°15	24°53	25°42	13°D53	15°31	16°10	2°32	S 8	
M 9	9 14 54	19°45'39	22°56	29°21	5°16	24°23	11°27	12°56	0°14	24°54	25°41	13°54	15°28	16°17	2°37	M 9	
T 10	9 18 51	20°46'28	6°B58	0°34'7	4°50	25°10	11°38	13° 3	0°12	24°55	25°39	13°55	15°25	16°23	2°42	T 10	
W11	9 22 47	21°47'15	20°39	2°15	4°27	25°58	11°50	13°10	0°11	24°56	25°38	13°R55	15°22	16°30	2°48	W11	
T 12	9 26 44	22°48'01	3°II58	3°43	4° 5	26°45	12° 2	13°17	0°10	24°58	25°37	13°55	15°19	16°37	2°53	T 12	
F 13	9 30 41	23°48'45	16°59	5°12	3°46	27°32	12°14	13°24	0° 9	24°59	25°35	13°52	15°15	16°43	2°58	F 13	
S 14	9 34 37	24°49'28	29°45	6°42	3°29	28°20	12°26	13°31	0° 7	25° 0	25°34	13°47	15°12	16°50	3° 3	S 14	
S 15	9 38 34	25°50'10	12°B17	8°13	3°15	29° 7	12°38	13°38	0° 6	25° 2	25°32	13°40	15° 9	16°57	3° 8	S 15	
M16	9 42 30	26°50'49	24°38	9°44	3° 3	29°55	12°50	13°45	0° 5	25° 3	25°31	13°32	15° 6	17° 3	3°13	M16	
T 17	9 46 27	27°51'28	6°D50	11°17	2°54	0°H42	13° 2	13°52	0° 4	25° 4	25°29	13°22	15° 3	17°10	3°18	T 17	
W18	9 50 23	28°52'04	18°54	12°50	2°47	1°30	13°15	14° 0	0° 3	25° 6	25°28	13°14	14°59	17°17	3°22	W18	
T 19	9 54 20	29°52'40	0°M51	14°25	2°43	2°17	13°27	14° 7	0° 2	25° 7	25°26	13° 6	14°56	17°23	3°27	T 19	
F 20	9 58 16	0°H53'13	12°43	16° 0	2°D41	3° 5	13°40	14°14	0° 1	25° 9	25°25	13° 0	14°53	17°30	3°32	F 20	
S 21	10 2 13	1°53'46	24°31	17°36	2°42	3°52	13°52	14°21	0° 0	25°10	25°23	12°56	14°50	17°37	3°36	S 21	
S 22	10 6 10	2°54'17	6°D19	19°13	2°45	4°39	14° 5	14°28	29°II59	25°12	25°22	12°54	14°47	17°43	3°41	S 22	
M23	10 10 6	3°54'46	18° 8	20°51	2°50	5°27	14°17	14°36	29°59	25°13	25°20	12°D54	14°44	17°50	3°45	M23	
T 24	10 14 3	4°55'15	0°M 3	22°29	2°58	6°14	14°30	14°43	29°58	25°15	25°19	12°55	14°40	17°57	3°50	T 24	
W25	10 17 59	5°55'41	12° 7	24° 9	3° 8	7° 2	14°43	14°50	29°57	25°17	25°18	12°57	14°37	18° 3	3°54	W25	
T 26	10 21 56	6°56'07	24°25	25°50	3°20	7°49	14°56	14°57	29°57	25°18	25°16	12°58	14°34	18°10	3°58	T 26	
F 27	10 25 52	7°56'31	7°H 2	27°31	3°34	8°37	15° 9	15° 5	29°56	25°20	25°15	12°R59	14°31	18°17	4° 2	F 27	
S 28	10 29 49	8°H56'54	20°H 1	29°14	3°50	9°H24	15°V22	15°H12	29°II56	25°V21	25°D13	12°D58	14°D28	18°M23	4°C 6	S 28	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	17s16	18s32	4n47	22s 3	0n 5	10s44	7n20	16s26	1s 5	2n51	1s11	8s39	1s44	23n39	0n14	8n 2	1s39
M 2	16 59	18 3	5 3	22 1	0s 4	10 46	7 28	16 11	1 5	2 56	1 10	8 36	1 44	23 39	0 14	8 3	1 39
T 3	16 42	16 24	5 0	21 57	0 12	10 49	7 34	15 56	1 5	3 0	1 10	8 34	1 44	23 39	0 14	8 3	1 39
W 4	16 24	13 37	4 38	21 53	0 20	10 52	7 40	15 41	1 5	3 5	1 10	8 31	1 44	23 39	0 15	8 3	1 39
T 5	16 7	9 55	3 56	21 47	0 28	10 55	7 45	15 26	1 5	3 9	1 10	8 29	1 44	23 39	0 15	8 4	1 39
F 6	15 48	5 32	2 57	21 40	0 35	10 59	7 49	15 11	1 5	3 14	1 10	8 26	1 44	23 39	0 14	8 4	1 39
S 7	15 30	0 51	1 46	21 31	0 43	11 3	7 52	14 55	1 5	3 18	1 9	8 23	1 44	23 39	0 14	8 5	1 39
S 8	15 11	3n49	0 29	21 22	0 50	11 8	7 55	14 39	1 5	3 23	1 9	8 21	1 44	23 39	0 14	8 5	1 39
M 9	14 52	8 9	0s48	21 11	0 57	11 13	7 56	14 24	1 4	3 28	1 9	8 18	1 44	23 39	0 14	8 6	1 39
T 10	14 33	11 55	2 1	20 59	1 3	11 19	7 57	14 8	1 4	3 32	1 9	8 15	1 44	23 39	0 14	8 6	1 39
W11	14 14	14 55	3 5	20 46	1 10	11 24	7 57	13 52	1 4	3 37	1 9	8 13	1 44	23 39	0 14	8 7	1 39
T 12	13 54	17 3	3 56	20 31	1 16	11 30	7 56	13 35	1 4	3 42	1 9	8 10	1 44	23 39	0 14	8 7	1 39
F 13	13 34	18 13	4 35	20 16	1 21	11 36	7 54	13 19	1 4	3 47	1 8	8 7	1 44	23 39	0 14	8 8	1 39
S 14	13 14	18 26	4 59	19 59	1 27	11 42	7 52	13 2	1 4	3 52	1 8	8 4	1 44	23 39	0 14	8 8	1 39
S 15	12 54	17 44	5 7	19 40	1 32	11 48	7 49	12 46	1 4	3 56	1 8	8 2	1 44	23 39	0 14	8 9	1 39
M16	12 33	16 13	5 2	19 21	1 37	11 54	7 45	12 29	1 4	4 1	1 8	7 59	1 44	23 39	0 14	8 9	1 39
T 17	12 12	13 59	4 43	19 0	1 41	12 0	7 41	12 12	1 3	4 6	1 8	7 56	1 44	23 39	0 14	8 10	1 39
W18	11 51	11 10	4 11	18 38	1 46	12 6	7 36	11 55	1 3	4 11	1 8	7 53	1 44	23 39	0 14	8 10	1 39
T 19	11 30	7 55	3 28	18 14	1 49	12 12	7 31	11 38	1 3	4 16	1 8	7 51	1 44	23 39	0 14	8 11	1 39
F 20	11 9	4 22	2 36	17 49	1 53	12 18	7 26	11 21	1 3	4 21	1 7	7 48	1 44	23 39	0 14	8 11	1 38
S 21	10 47	0 40	1 38	17 23	1 56	12 23	7 20	11 3	1 3	4 26	1 7	7 45	1 44	23 39	0 14	8 12	1 38
S 22	10 26	3s 3	0 36	16 56	1 59	12 29	7 13	10 46	1 3	4 31	1 7	7 42	1 44	23 39	0 14	8 13	1 38
M23	10 4	6 40	0n29	16 27	2 2	12 34	7 7	10 28	1 2	4 36	1 7	7 40	1 44	23 39	0 14	8 13	1 38
T 24	9 42	10 2	1 32	15 57	2 4	12 39	7 0	10 11	1 2	4 41	1 7	7 37	1 44	23 39	0 14	8 14	1 38
W25	9 20	13 2	2 33	15 26	2 5	12 44	6 53	9 53	1 2	4 46	1 7	7 34	1 44	23 39	0 14	8 14	1 38
T 26	8 57	15 30	3 28	14 53	2 7	12 49	6 45	9 35	1 2	4 51	1 7	7 31	1 44	23 39	0 14	8 15	1 38
F 27	8 35	17 17	4 14	14 19	2 8	12 53	6 37	9 17	1 1	4 56	1 6	7 28	1 44	23 39	0 14	8 16	1 38
S 28	8s12	18s15	4n48	13s44	2s 8	12s57	6n30	8s59	1s 1	5n 1	1s 6	7s26	1s44	23n39	0n14	8n16	1s38

Julian Day Number = 2524989.5, Delta T = 164.06 sec  
 Ecliptic obliquity = 23°24'38, Nutation = 0°00'06, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 27°33'01, Lahiri = 26°40'02

# ASTRODIENST EPHEMERIS for the year 2201

## geocentric

MARCH 2201

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 33 45	9°57'16	3°32'28	0°57'57	4°48' 9	10°11'11	15°35'35	15°19'19	29°R55	25°V23	25°R12	12°R56	14°25'25	18°30'30	4°10'10	S 1	
M 2	10 37 42	10°57'36	17°23'23	2°42'42	4°29'29	10°59'59	15°48'48	15°27'27	29°II55	25°25'25	25°R10	12°53'53	14°21'21	18°37'37	4°14'14	M 2	
T 3	10 41 39	11°57'55	1°46'46	4°27'27	4°51'51	11°46'46	16° 2'2	15°34'34	29°55	25°27'27	25° 9'9	12°49'49	14°18'18	18°43'43	4°18'18	T 3	
W 4	10 45 35	12°58'12	16°34'34	6°14'14	5°15'15	12°33'33	16°15'15	15°41'41	29°54	25°28'28	25° 8'8	12°44'44	14°15'15	18°50'50	4°22'22	W 4	
T 5	10 49 32	13°58'28	1°39'39	8° 2'2	5°41'41	13°21'21	16°28'28	15°49'49	29°54	25°30'30	25° 6'6	12°40'40	14°12'12	18°57'57	4°26'26	T 5	
F 6	10 53 28	14°58'42	16°54'54	9°50'50	6° 8'8	14° 8'8	16°42'42	15°56'56	29°54	25°32'32	25° 5'5	12°37'37	14° 9'9	19° 3'3	4°29'29	F 6	
S 7	10 57 25	15°58'54	2°V 7	11°40'40	6°37'37	14°56'56	16°55'55	16° 3'3	29°54	25°34'34	25° 4'4	12°35'35	14° 5'5	19°10'10	4°33'33	S 7	
S 8	11 1 21	16°59'04	17° 9'9	13°31'31	7° 7'7	15°43'43	17° 9'9	16°11'11	29°54	25°36'36	25° 2'2	12°D35	14° 2'2	19°17'17	4°36'36	S 8	
M 9	11 5 18	17°59'13	1°52'52	15°22'22	7°39'39	16°30'30	17°22'22	16°18'18	29°D54	25°38'38	25° 1'1	12°36'36	13°59'59	19°23'23	4°39'39	M 9	
T 10	11 9 14	18°59'19	16°10'10	17°15'15	8°13'13	17°17'17	17°36'36	16°25'25	29°54	25°39'39	24°59'59	12°37'37	13°56'56	19°30'30	4°43'43	T 10	
W11	11 13 11	19°59'23	0°II 3	19° 9'9	8°47'47	18° 5'5	17°49'49	16°33'33	29°54	25°41'41	24°58'58	12°39'39	13°53'53	19°37'37	4°46'46	W11	
T 12	11 17 8	20°59'25	13°30'30	21° 3'3	9°23'23	18°52'52	18° 3'3	16°40'40	29°54	25°43'43	24°57'57	12°40'40	13°50'50	19°43'43	4°49'49	T 12	
F 13	11 21 4	21°59'25	26°33'33	22°59'59	10° 1'1	19°39'39	18°17'17	16°47'47	29°54	25°45'45	24°56'56	12°R40	13°46'46	19°50'50	4°52'52	F 13	
S 14	11 25 1	22°59'23	9°21'16	24°55'55	10°39'39	20°26'26	18°31'31	16°55'55	29°55	25°47'47	24°54'54	12°39'39	13°43'43	19°57'57	4°55'55	S 14	
S 15	11 28 57	23°59'18	21°41'41	26°52'52	11°19'19	21°14'14	18°44'44	17° 2'2	29°55	25°49'49	24°53'53	12°37'37	13°40'40	20° 3'3	4°58'58	S 15	
M16	11 32 54	24°59'12	3°25'53	28°50'50	12° 0'0	22° 1'1	18°58'58	17° 9'9	29°55	25°51'51	24°52'52	12°35'35	13°37'37	20°10'10	5° 1'1	M16	
T 17	11 36 50	25°59'03	15°55'55	0°V48	12°41'41	22°48'48	19°12'12	17°17'17	29°56	25°53'53	24°51'51	12°32'32	13°34'34	20°16'16	5° 3'3	T 17	
W18	11 40 47	26°58'52	27°50'50	2°47'47	13°24'24	23°35'35	19°26'26	17°24'24	29°56	25°55'55	24°49'49	12°29'29	13°30'30	20°23'23	5° 6'6	W18	
T 19	11 44 43	27°58'39	9°14'14	4°46'46	14° 8'8	24°22'22	19°40'40	17°31'31	29°57	25°57'57	24°48'48	12°27'27	13°27'27	20°30'30	5° 8'8	T 19	
F 20	11 48 40	28°58'24	21°29'29	6°45'45	14°53'53	25° 9'9	19°54'54	17°39'39	29°57	25°59'59	24°47'47	12°26'26	13°24'24	20°36'36	5°11'11	F 20	
S 21	11 52 36	29°58'07	3°21'18	8°43'43	15°39'39	25°56'56	20° 8'8	17°46'46	29°58	26° 1'1	24°46'46	12°25'25	13°21'21	20°43'43	5°13'13	S 21	
S 22	11 56 33	0°V57'48	15° 9'9	10°41'41	16°26'26	26°43'43	20°22'22	17°53'53	29°59	26° 3'3	24°45'45	12°D25	13°18'18	20°50'50	5°15'15	S 22	
M23	12 0 30	1°57'27	27° 4'4	12°38'38	17°13'13	27°30'30	20°36'36	18° 0'0	29°59	26° 6'6	24°44'44	12°25'25	13°15'15	20°56'56	5°18'18	M23	
T 24	12 4 26	2°57'05	9°11'16	14°34'34	18° 2'2	28°17'17	20°51'51	18° 7'7	0° 0'0	26° 8'8	24°42'42	12°26'26	13°11'11	21° 3'3	5°20'20	T 24	
W25	12 8 23	3°56'40	21°18'18	16°28'28	18°51'51	29° 4'4	21° 5'5	18°15'15	0° 1'1	26°10'10	24°41'41	12°27'27	13° 8'8	21°10'10	5°22'22	W25	
T 26	12 12 19	4°56'14	3°42'42	18°20'20	19°41'41	29°51'51	21°19'19	18°22'22	0° 2'2	26°12'12	24°40'40	12°27'27	13° 5'5	21°16'16	5°23'23	T 26	
F 27	12 16 16	5°55'46	16°22'22	20°10'10	20°31'31	0°V38	21°33'33	18°29'29	0° 3'3	26°14'14	24°39'39	12°28'28	13° 2'2	21°23'23	5°25'25	F 27	
S 28	12 20 12	6°55'16	29°21'21	21°57'57	21°23'23	1°25'25	21°47'47	18°36'36	0° 4'4	26°16'16	24°38'38	12°28'28	12°59'59	21°30'30	5°27'27	S 28	
S 29	12 24 9	7°54'45	12°34'42	23°41'41	22°15'15	2°12'12	22° 2'2	18°43'43	0° 5'5	26°18'18	24°37'37	12°R28	12°56'56	21°36'36	5°29'29	S 29	
M30	12 28 5	8°54'11	26°26'26	25°21'21	23° 7'7	2°59'59	22°16'16	18°50'50	0° 6'6	26°21'21	24°36'36	12°28'28	12°52'52	21°43'43	5°30'30	M30	
T 31	12 32 2	9°V53'37	10°35'35	26°V56	24°28'28	3°V45	22°V30	18°57'57	0° 7'7	26°V23	24°35'35	12°28'28	12°49'49	21°50'50	5°32'32	T 31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	7s50	18s13	5n 9	13s 7	2s 8	13s 1	6n22	8s41	1s 1	5n 7	1s 6	7s23	1s44	23n39	0n14	8n17	1s38
M 2	7 27	17 7	5 12	12 29	2 8	13 4	6 13	8 23	1 1	5 12	1 6	7 20	1 44	23 39	0 14	8 18	1 38
T 3	7 4	14 56	4 56	11 50	2 7	13 7	6 5	8 4	1 1	5 17	1 6	7 17	1 44	23 39	0 14	8 18	1 38
W 4	6 41	11 43	4 20	11 10	2 6	13 10	5 57	7 46	1 0	5 22	1 6	7 14	1 44	23 39	0 14	8 19	1 38
T 5	6 18	7 40	3 26	10 28	2 4	13 12	5 48	7 28	1 0	5 27	1 6	7 12	1 44	23 39	0 14	8 20	1 38
F 6	5 55	3 4	2 17	9 45	2 2	13 13	5 40	7 9	1 0	5 33	1 6	7 9	1 44	23 39	0 14	8 20	1 38
S 7	5 31	1n43	0 57	9 1	2 0	13 15	5 31	6 51	0 59	5 38	1 5	7 6	1 44	23 39	0 14	8 21	1 38
S 8	5 8	6 20	0s25	8 16	1 56	13 16	5 23	6 32	0 59	5 43	1 5	7 3	1 45	23 39	0 14	8 22	1 38
M 9	4 45	10 28	1 44	7 29	1 53	13 16	5 14	6 13	0 59	5 48	1 5	7 0	1 45	23 39	0 14	8 23	1 38
T 10	4 21	13 52	2 55	6 42	1 48	13 16	5 5	5 55	0 59	5 54	1 5	6 57	1 45	23 39	0 14	8 23	1 38
W11	3 58	16 21	3 53	5 53	1 44	13 16	4 57	5 36	0 58	5 59	1 5	6 55	1 45	23 39	0 14	8 24	1 38
T 12	3 34	17 50	4 36	5 3	1 38	13 15	4 48	5 17	0 58	6 4	1 5	6 52	1 45	23 39	0 14	8 25	1 38
F 13	3 10	18 19	5 3	4 12	1 33	13 14	4 40	4 59	0 58	6 10	1 5	6 49	1 45	23 39	0 14	8 25	1 38
S 14	2 47	17 51	5 15	3 20	1 26	13 12	4 31	4 40	0 57	6 15	1 5	6 46	1 45	23 39	0 14	8 26	1 38
S 15	2 23	16 32	5 12	2 27	1 19	13 9	4 22	4 21	0 57	6 20	1 5	6 44	1 45	23 39	0 14	8 27	1 38
M16	1 59	14 29	4 54	1 34	1 12	13 7	4 14	4 2	0 57	6 26	1 4	6 41	1 45	23 39	0 14	8 28	1 38
T 17	1 36	11 50	4 24	0 39	1 4	13 3	4 5	3 43	0 56	6 31	1 4	6 38	1 45	23 39	0 14	8 28	1 38
W18	1 12	8 44	3 43	0n16	0 55	13 0	3 57	3 24	0 56	6 36	1 4	6 35	1 45	23 39	0 14	8 29	1 38
T 19	0 48	5 17	2 52	1 11	0 46	12 55	3 48	3 5	0 56	6 42	1 4	6 32	1 45	23 39	0 14	8 30	1 38
F 20	0 24	1 38	1 53	2 7	0 36	12 51	3 40	2 46	0 55	6 47	1 4	6 30	1 45	23 39	0 14	8 31	1 38
S 21	0 1	2s 5	0 50	3 3	0 26	12 45	3 32	2 27	0 55	6 52	1 4	6 27	1 45	23 39	0 14	8 31	1 38
S 22	0n23	5 43	0n15	3 59	0 15	12 40	3 23	2 8	0 55	6 58	1 4	6 24	1 45	23 39	0 14	8 32	1 37
M23	0 47	9 10	1 21	4 55	0 4	12 33	3 15	1 49	0 54	7 3	1 4	6 21	1 46	23 39	0 14	8 33	1 37
T 24	1 10	12 15	2 23	5 51	0n 7	12 27	3 7	1 30	0 54	7 8	1 4	6 19	1 46	23 39	0 14	8 34	1 37
W25	1 34	14 51	3 20	6 45	0 19	12 19	2 59	1 11	0 53	7 14	1 4	6 16	1 46	23 39	0 14	8 35	1 37
T 26	1 58	16 48	4 8	7 39	0 31	12 12	2 51	0 52	0 53	7 19	1 4	6 13	1 46	23 39	0 14	8 35	1 37
F 27	2 21	17 59	4 46	8 32	0 43	12 3	2 43	0 33	0 53	7 25	1 4	6 10	1 46	23 39	0 14	8 36	1 37
S 28	2 45	18 15	5 10	9 24	0 55	11 55	2 35	0 14	0 52	7 30	1 4	6 8	1 46	23 39	0 14	8 37	1 37
S 29	3 8	17 32	5 18	10 13	1 7	11 45	2 27	0n 5	0 52	7 35	1 3	6 5	1 46	23 39	0 14	8 38	1 37
M30	3 32	15 47	5 9	11 1	1 19	11 36	2 20	0 24	0 51	7 41	1 3	6 2	1 46	23 39	0 14	8 38	1 37
T 31	3n55	13s 3	4n41	11n47	1n31	11s25	2n12	0n43	0s51	7n46	1s 3	6s 0	1s46	23n39	0n14	8n39	1s37

Julian Day Number = 2525017.5, Delta T = 164.14 sec  
 Ecliptic obliquity = 23°24'39", Nutation = 0°00'05", out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 27°33'05", Lahiri = 26°40'06"

# ASTRODIENST EPHEMERIS for the year 2201

## geocentric

APRIL 2201

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	12 35 59	10°53'00	25°6	28°27	24°55	4°32	22°45	19°4	0°8	26°25	24°R34	12°R28	12°46	21°56	5°33	W 1
T 2	12 39 55	11°52'21	9°57	29°54	25°49	5°19	22°59	19°11	0°10	26°27	24°R33	12°48	12°43	22°3	5°34	T 2
F 3	12 43 52	12°51'41	25°0	1°15	26°44	6°6	23°13	19°18	0°11	26°29	24°33	12°D28	12°40	22°10	5°35	F 3
S 4	12 47 48	13°50'58	10°Y 8	2°30	27°40	6°52	23°28	19°25	0°12	26°32	24°32	12°R28	12°36	22°16	5°36	S 4
S 5	12 51 45	14°50'14	25°11	3°39	28°36	7°39	23°42	19°32	0°14	26°34	24°31	12°28	12°33	22°23	5°37	S 5
M 6	12 55 41	15°49'28	10°B 1	4°43	29°32	8°26	23°57	19°39	0°15	26°36	24°30	12°27	12°30	22°30	5°38	M 6
T 7	12 59 38	16°48'39	24°30	5°40	0°29	9°12	24°11	19°46	0°17	26°38	24°29	12°27	12°27	22°36	5°39	T 7
W 8	13 3 34	17°47'48	8°II34	6°30	1°27	9°59	24°25	19°53	0°18	26°41	24°28	12°27	12°24	22°43	5°40	W 8
T 9	13 7 31	18°46'55	22°11	7°14	2°25	10°45	24°40	19°59	0°20	26°43	24°28	12°26	12°21	22°50	5°40	T 9
F 10	13 11 28	19°46'00	5°E22	7°51	3°23	11°32	24°54	20°6	0°21	26°45	24°27	12°25	12°17	22°56	5°41	F 10
S 11	13 15 24	20°45'03	18°9	8°21	4°21	12°18	25°9	20°13	0°23	26°47	24°26	12°D25	12°14	23°3	5°41	S 11
S 12	13 19 21	21°44'03	0°Q35	8°45	5°21	13°4	25°23	20°19	0°25	26°50	24°25	12°25	12°11	23°9	5°41	S 12
M13	13 23 17	22°43'01	12°45	9°1	6°20	13°51	25°38	20°26	0°27	26°52	24°25	12°26	12°8	23°16	5°42	M13
T 14	13 27 14	23°41'56	24°43	9°11	7°20	14°37	25°52	20°33	0°29	26°54	24°24	12°27	12°5	23°23	5°42	T 14
W15	13 31 10	24°40'49	6°II34	9°R14	8°20	15°23	26°7	20°39	0°30	26°56	24°24	12°28	12°2	23°29	5°R42	W15
T 16	13 35 7	25°39'40	18°22	9°11	9°21	16°9	26°21	20°46	0°32	26°59	24°23	12°29	11°58	23°36	5°42	T 16
F 17	13 39 3	26°38'29	0°A10	9°2	10°21	16°56	26°36	20°52	0°34	27°1	24°22	12°30	11°55	23°43	5°41	F 17
S 18	13 43 0	27°37'16	12°1	8°46	11°23	17°42	26°50	20°58	0°36	27°3	24°22	12°R30	11°52	23°49	5°41	S 18
S 19	13 46 56	28°36'01	23°58	8°26	12°24	18°28	27°5	21°5	0°38	27°5	24°21	12°30	11°49	23°56	5°41	S 19
M20	13 50 53	29°34'44	6°II4	8°0	13°26	19°14	27°19	21°11	0°40	27°8	24°21	12°29	11°46	24°3	5°40	M20
T 21	13 54 50	0°B33'25	18°19	7°30	14°28	20°0	27°34	21°17	0°43	27°10	24°20	12°27	11°42	24°9	5°40	T 21
W22	13 58 46	1°32'04	0°A45	6°56	15°30	20°46	27°48	21°24	0°45	27°12	24°20	12°24	11°39	24°16	5°39	W22
T 23	14 2 43	2°30'41	13°24	6°19	16°33	21°32	28°2	21°30	0°47	27°14	24°20	12°21	11°36	24°23	5°39	T 23
F 24	14 6 39	3°29'17	26°16	5°40	17°36	22°18	28°17	21°36	0°49	27°17	24°19	12°18	11°33	24°29	5°38	F 24
S 25	14 10 36	4°27'51	9°B24	4°59	18°39	23°4	28°31	21°42	0°52	27°19	24°19	12°16	11°30	24°36	5°37	S 25
S 26	14 14 32	5°26'23	22°47	4°18	19°43	23°49	28°46	21°48	0°54	27°21	24°19	12°14	11°27	24°43	5°36	S 26
M27	14 18 29	6°24'54	6°A28	3°36	20°46	24°35	29°0	21°54	0°56	27°24	24°18	12°D13	11°23	24°49	5°35	M27
T 28	14 22 25	7°23'23	20°26	2°55	21°50	25°21	29°15	22°0	0°59	27°26	24°18	12°14	11°20	24°56	5°34	T 28
W29	14 26 22	8°21'50	4°A41	2°15	22°54	26°6	29°29	22°6	1°1	27°28	24°18	12°15	11°17	25°3	5°33	W29
T 30	14 30 19	9°B20'16	19°A11	1°B38	23°A59	26°Y52	29°Y43	22°A11	1°E4	27°Y30	24°Q18	12°A17	11°A14	25°Y9	5°B31	T 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	
W 1	4n18	9s27 3n54	12n31	1n43	11s15	2n 5	1n 2	0s50	7n51	1 s 3	5s57	1s46 23n39	0n14	8n40	1s37	22n23
T 2	4 41	5 11 2 51	13 12	1 54	11 3	1 57	1 21	0 50	7 57	1 3	5 54	1 47 23 39	0 14	8 41	1 37	22 24
F 3	5 4	0 31 1 36	13 51	2 5	10 52	1 50	1 39	0 50	8 2	1 3	5 52	1 47 23 39	0 14	8 42	1 37	22 24
S 4	5 27	4n12 0 13	14 27	2 15	10 40	1 43	1 58	0 49	8 7	1 3	5 49	1 47 23 39	0 14	8 43	1 37	22 24
S 5	5 50	8 39 1s10	15 0	2 25	10 27	1 36	2 17	0 49	8 13	1 3	5 47	1 47 23 39	0 14	8 43	1 37	22 24
M 6	6 13	12 28 2 27	15 29	2 34	10 14	1 29	2 36	0 48	8 18	1 3	5 44	1 47 23 39	0 14	8 44	1 37	22 24
T 7	6 36	15 25 3 33	15 56	2 42	10 1	1 22	2 55	0 48	8 24	1 3	5 41	1 47 23 39	0 14	8 45	1 37	22 24
W 8	6 58	17 21 4 24	16 20	2 49	9 47	1 15	3 13	0 47	8 29	1 3	5 39	1 47 23 39	0 14	8 46	1 37	22 25
T 9	7 21	18 13 4 58	16 40	2 55	9 33	1 8	3 32	0 47	8 34	1 3	5 36	1 47 23 39	0 14	8 47	1 37	22 25
F 10	7 43	18 3 5 15	16 57	3 0	9 18	1 2	3 50	0 46	8 39	1 3	5 34	1 47 23 39	0 14	8 47	1 37	22 25
S 11	8 6	16 58 5 16	17 10	3 4	9 3	0 55	4 9	0 46	8 45	1 3	5 31	1 48 23 39	0 14	8 48	1 37	22 25
S 12	8 28	15 5 2 17	20 10	3 6	8 47	0 49	4 27	0 45	8 50	1 3	5 29	1 48 23 39	0 14	8 49	1 37	22 25
M13	8 50	12 34 4 35	17 27	3 7	8 31	0 42	4 46	0 45	8 55	1 3	5 26	1 48 23 39	0 14	8 50	1 37	22 25
T 14	9 11	9 34 3 55	17 30	3 7	8 15	0 36	5 4	0 44	9 1	1 3	5 24	1 48 23 39	0 14	8 51	1 37	22 25
W15	9 33	6 12 3 7	17 29	3 6	7 58	0 30	5 23	0 44	9 6	1 3	5 21	1 48 23 39	0 14	8 51	1 37	22 25
T 16	9 54	2 36 2 10	17 26	3 3	7 41	0 24	5 41	0 43	9 11	1 3	5 19	1 48 23 39	0 14	8 52	1 37	22 25
F 17	10 16	1s 6 1 8	17 18	2 58	7 24	0 18	5 59	0 43	9 16	1 3	5 17	1 48 23 39	0 14	8 53	1 37	22 25
S 18	10 37	4 47 0 3	17 8	2 52	7 6	0 13	6 17	0 42	9 22	1 3	5 14	1 49 23 39	0 14	8 54	1 37	22 25
S 19	10 58	8 19 1n 3	16 54	2 45	6 47	0 7	6 35	0 42	9 27	1 3	5 12	1 49 23 39	0 14	8 55	1 37	22 25
M20	11 19	11 32 2 7	16 37	2 36	6 29	0 1	6 53	0 41	9 32	1 2	5 10	1 49 23 39	0 14	8 55	1 37	22 25
T 21	11 39	14 17 3 5	16 18	2 26	6 10	0s 4	7 11	0 41	9 37	1 2	5 7	1 49 23 39	0 14	8 56	1 37	22 25
W22	12 0	16 26 3 56	15 56	2 14	5 51	0 9	7 28	0 40	9 42	1 2	5 5	1 49 23 39	0 14	8 57	1 37	22 25
T 23	12 20	17 49 4 36	15 31	2 1	5 31	0 14	7 46	0 40	9 48	1 2	5 3	1 49 23 39	0 14	8 58	1 37	22 25
F 24	12 40	18 19 5 3	15 5	1 47	5 12	0 19	8 4	0 39	9 53	1 2	5 0	1 49 23 39	0 14	8 59	1 37	22 25
S 25	13 0	17 51 5 15	14 37	1 33	4 51	0 24	8 21	0 39	9 58	1 2	4 58	1 50 23 39	0 14	9 0	1 37	22 25
S 26	13 19	16 24 5 10	14 8	1 17	4 31	0 29	8 39	0 38	10 3	1 2	4 56	1 50 23 39	0 14	9 0	1 37	22 25
M27	13 39	13 59 4 48	13 39	1 0	4 10	0 34	8 56	0 38	10 8	1 2	4 54	1 50 23 39	0 14	9 1	1 37	22 25
T 28	13 58	10 44 4 8	13 9	0 44	3 50	0 39	9 13	0 37	10 13	1 2	4 51	1 50 23 39	0 14	9 2	1 37	22 25
W29	14 17	6 48 3 12	12 40	0 27	3 28	0 43	9 30	0 37	10 18	1 2	4 49	1 50 23 39	0 14	9 3	1 37	22 25
T 30	14n35	2s23 2n 4	12n10	0n 9	3s 7	0s47	9n47	0s36	10n23	1s 2	4s47	1s50 23n39	0n14	9n 3	1s37	22n25

Julian Day Number = 2525048.5, Delta T = 164.22 sec

Ecliptic obliquity = 23°24'39, Nutation = 0°00'04, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 27°33'10, Lahiri = 26°40'10

# ASTRODIENST EPHEMERIS for the year 2201

## geocentric

MAY 2201

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	14 34 15	10♌18'41	3♊52	1♉R 3	25♊3	27♊38	29♊58	22♊17	1♊6	27♊32	24♊R18	12♊18	11♊11	25♊16	5♊R30	F 1
S 2	14 38 12	11°17'03	18°40	0♌31	26° 8	28°23	0♌12	22°23	1° 9	27°35	24♌17	12°R18	11° 7	25°22	5♌28	S 2
S 3	14 42 8	12°15'24	3♌27	0° 3	27°13	29° 9	0°26	22°28	1°11	27°37	24°17	12°16	11° 4	25°29	5°27	S 3
M 4	14 46 5	13°13'44	18° 7	29♊40	28°18	29°54	0°41	22°34	1°14	27°39	24°17	12°14	11° 1	25°36	5°25	M 4
T 5	14 50 1	14°12'01	2♊33	29°20	29°23	0♌40	0°55	22°40	1°17	27°41	24°17	12° 9	10°58	25°42	5°23	T 5
W 6	14 53 58	15°10'17	16°37	29° 5	0♊29	1°25	1° 9	22°45	1°19	27°43	24°D17	12° 4	10°55	25°49	5°22	W 6
T 7	14 57 54	16° 8'31	0♌18	28°54	1°34	2°10	1°23	22°50	1°22	27°46	24°17	11°59	10°52	25°56	5°20	T 7
F 8	15 1 51	17° 6'43	13°34	28°48	2°40	2°55	1°38	22°56	1°25	27°48	24°17	11°55	10°48	26° 2	5°18	F 8
S 9	15 5 48	18° 4'53	26°25	28°D47	3°46	3°41	1°52	23° 1	1°28	27°50	24°17	11°51	10°45	26° 9	5°16	S 9
S 10	15 9 44	19° 3'01	8♌54	28°51	4°52	4°26	2° 6	23° 6	1°31	27°52	24°17	11°49	10°42	26°16	5°13	S 10
M11	15 13 41	20° 1'07	21° 5	28°59	5°58	5°11	2°20	23°11	1°33	27°54	24°17	11°D48	10°39	26°22	5°11	M11
T 12	15 17 37	20°59'11	3♊4	29°13	7° 5	5°56	2°34	23°16	1°36	27°56	24°18	11°49	10°36	26°29	5° 9	T 12
W13	15 21 34	21°57'13	14°54	29°30	8°11	6°41	2°48	23°21	1°39	27°59	24°18	11°51	10°33	26°36	5° 7	W13
T 14	15 25 30	22°55'14	26°42	29°52	9°18	7°26	3° 2	23°26	1°42	28° 1	24°18	11°52	10°29	26°42	5° 4	T 14
F 15	15 29 27	23°53'12	8♌31	0♌19	10°25	8°11	3°16	23°31	1°45	28° 3	24°18	11°R53	10°26	26°49	5° 2	F 15
S 16	15 33 23	24°51'09	20°27	0°49	11°32	8°56	3°30	23°36	1°48	28° 5	24°18	11°53	10°23	26°56	4°59	S 16
S 17	15 37 20	25°49'04	2♊32	1°24	12°39	9°40	3°44	23°40	1°51	28° 7	24°19	11°51	10°20	27° 2	4°56	S 17
M18	15 41 17	26°46'58	14°49	2° 2	13°46	10°25	3°58	23°45	1°54	28° 9	24°19	11°47	10°17	27° 9	4°54	M18
T 19	15 45 13	27°44'50	27°20	2°45	14°53	11°10	4°12	23°49	1°57	28°11	24°19	11°40	10°13	27°16	4°51	T 19
W20	15 49 10	28°42'40	10♊5	3°30	16° 1	11°54	4°25	23°54	2° 0	28°13	24°20	11°33	10°10	27°22	4°48	W20
T 21	15 53 6	29°40'30	23° 5	4°20	17° 9	12°39	4°39	23°58	2° 4	28°15	24°20	11°25	10° 7	27°29	4°45	T 21
F 22	15 57 3	0♊38'17	6♌18	5°13	18°16	13°23	4°53	24° 3	2° 7	28°17	24°20	11°17	10° 4	27°35	4°42	F 22
S 23	16 0 59	1°36'04	19°44	6° 9	19°24	14° 8	5° 7	24° 7	2°10	28°19	24°21	11° 9	10° 1	27°42	4°39	S 23
S 24	16 4 56	2°33'49	3♌21	7° 8	20°32	14°52	5°20	24°11	2°13	28°21	24°21	11° 4	9°58	27°49	4°36	S 24
M25	16 8 52	3°31'34	17° 8	8°11	21°40	15°37	5°34	24°15	2°16	28°23	24°22	11° 1	9°54	27°55	4°33	M25
T 26	16 12 49	4°29'17	1♊5	9°16	22°48	16°21	5°47	24°19	2°20	28°25	24°22	11°D 0	9°51	28° 2	4°30	T 26
W27	16 16 46	5°26'59	15°11	10°25	23°56	17° 5	6° 1	24°23	2°23	28°27	24°23	11° 0	9°48	28° 9	4°26	W27
T 28	16 20 42	6°24'40	29°25	11°36	25° 5	17°49	6°14	24°27	2°26	28°29	24°24	11° 1	9°45	28°15	4°23	T 28
F 29	16 24 39	7°22'21	13♊45	12°50	26°13	18°34	6°28	24°31	2°30	28°30	24°24	11°R 1	9°42	28°22	4°20	F 29
S 30	16 28 35	8°20'00	28° 8	14° 7	27°22	19°18	6°41	24°34	2°33	28°32	24°25	11° 0	9°39	28°29	4°16	S 30
S 31	16 32 32	9♊17'38	12♌31	15♌26	28♊30	20♌2	6♌54	24♊38	2♌36	28♊34	24♌26	10♌56	9♌35	28♊35	4♌13	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	14n54	2n15	0n46	11n42	0s 8	2s45	0s52	10n 4	0s35	10n28	1 s 2	4s45	1s51	23n39	0n14	9n 4	1s37	22n24	9n34	4s51	4s25	0n35	16s55	6n23				
S 2	15 12	6 46	0s35	11 16	0 25	2 23	0 56	10 21	0 35	10 33	1 s 2	4 43	1 51	23 39	0 14	9 5	1 37	22 24	9 34	4 51	4 24	0 33	16 55	6 23				
S 3	15 30	10 52	1 54	10 50	0 41	2 1	1 0	10 37	0 34	10 38	1 2	4 41	1 51	23 39	0 14	9 6	1 37	22 24	9 34	4 51	4 23	0 31	16 54	6 24				
M 4	15 47	14 16	3 4	10 27	0 57	1 39	1 4	10 54	0 34	10 43	1 2	4 39	1 51	23 39	0 14	9 7	1 37	22 24	9 33	4 50	4 21	0 29	16 54	6 25				
T 5	16 5	16 42	4 1	10 6	1 12	1 17	1 7	11 10	0 33	10 48	1 2	4 37	1 51	23 39	0 14	9 7	1 37	22 24	9 33	4 48	4 20	0 27	16 53	6 25				
W 6	16 22	18 3	3 42	9 46	1 27	0 54	1 11	11 27	0 33	10 53	1 2	4 35	1 52	23 39	0 14	9 8	1 37	22 24	9 33	4 46	4 19	0 26	16 53	6 26				
T 7	16 39	18 19	5 6	9 30	1 41	0 31	1 15	11 43	0 32	10 58	1 2	4 33	1 52	23 38	0 14	9 9	1 37	22 23	9 33	4 44	4 18	0 24	16 52	6 26				
F 8	16 55	17 33	5 12	9 15	1 54	0 8	1 18	11 59	0 31	11 3	1 2	4 31	1 52	23 38	0 14	9 10	1 37	22 23	9 33	4 42	4 16	0 22	16 52	6 27				
S 9	17 12	15 54	5 2	9 3	2 7	0n15	1 21	12 15	0 31	11 8	1 2	4 29	1 52	23 38	0 14	9 10	1 37	22 23	9 32	4 41	4 15	0 20	16 51	6 27				
S 10	17 28	13 32	4 38	8 54	2 18	0 38	1 25	12 30	0 30	11 13	1 2	4 27	1 52	23 38	0 14	9 11	1 38	22 23	9 32	4 40	4 14	0 18	16 51	6 28				
M11	17 43	10 38	4 2	8 47	2 28	1 2	1 28	12 46	0 30	11 17	1 2	4 26	1 53	23 38	0 14	9 12	1 38	22 23	9 32	4 40	4 13	0 16	16 50	6 29				
T 12	17 59	7 19	3 16	8 43	2 38	1 25	1 31	13 2	0 29	11 22	1 2	4 24	1 53	23 38	0 14	9 13	1 38	22 22	9 32	4 40	4 11	0 15	16 50	6 29				
W13	18 14	3 46	2 22	8 41	2 47	1 49	1 33	13 17	0 28	11 27	1 2	4 22	1 53	23 38	0 14	9 13	1 38	22 22	9 32	4 41	4 10	0 13	16 49	6 30				
T 14	18 29	0 4	1 22	8 42	2 54	2 12	1 36	13 32	0 28	11 32	1 3	4 20	1 53	23 38	0 14	9 14	1 38	22 22	9 31	4 41	4 9	0 11	16 49	6 30				
F 15	18 43	3s39	0 18	8 44	3 1	2 36	1 39	13 47	0 27	11 37	1 3	4 18	1 53	23 38	0 14	9 15	1 38	22 22	9 31	4 42	4 8	0 9	16 48	6 31				
S 16	18 57	7 16	0n46	8 49	3 7	3 0	1 41	14 2	0 27	11 41	1 3	4 17	1 54	23 38	0 14	9 15	1 38	22 21	9 31	4 41	4 6	0 7	16 48	6 31				
S 17	19 11	10 37	1 50	8 57	3 12	3 24	1 44	14 17	0 26	11 46	1 3	4 15	1 54	23 38	0 14	9 16	1 38	22 21	9 31	4 41	4 5	0 5	16 47	6 32				
M18	19 25	13 34	2 49	9 6	3 16	3 48	1 46	14 32	0 25	11 51	1 3	4 13	1 54	23 38	0 14	9 17	1 38	22 21	9 31	4 39	4 4	0 3	16 47	6 32				
T 19	19 38	15 57	3 41	9 17	3 19	4 12	1 48	14 46	0 25	11 55	1 3	4 12	1 54	23 38	0 14	9 18	1 38	22 20	9 30	4 37	4 3	0 2	16 47	6 33				
W20	19 51	17 36	4 23	9 30	3 22	4 36	1 50	15 0	0 24	12 0	1 3	4 10	1 54	23 38	0 14	9 18	1 38	22 20	9 30	4 34	4 1	0s 0	16 46	6 33				
T 21	20 3	18 22	4 52	9 45	3 23	5 0	1 52	15 15	0 23	12 4	1 3	4 9	1 55	23 38	0 14	9 19	1 38	22 20	9 30	4 31	4 0	0 2	16 46	6 34				
F 22	20 16	18 10	5 6	10 2	3 24	5 24	1 54	15 29	0 23	12 9	1 3	4 7	1 55	23 38	0 14	9 20	1 38	22 19	9 30	4 27	3 59	0 4	16 45	6 34				
S 23	20 27	16 57	5 4	10 20	3 25	5 48	1 56	15 42	0 22	12 13	1 3	4 6	1 55	23 38	0 14	9 20	1 38	22 19	9 30	4 25	3 58	0 6	16 45	6 35				
S 24	20 39	14 46	4 45	10 40	3 24	6 12	1 57	15 56	0 22	12 18	1 3	4 4	1 55	23 38	0 14	9 21	1 38	22 19	9 29	4 22	3 56	0 8	16 45	6 35				
M25	20 50	11 43	4 9	11 1	3 23	6 36	1 59	16 10	0 21	12 22	1 3	4 3	1 56	23 38	0 14	9 22	1 38	22 18	9 29	4 21	3 55	0 9	16 44	6 36				
T 26	21 1	7 59	3 18	11 24	3 21	7 0	2 0	16 23	0 20	12 27	1 3	4 2	1 56	23 38	0 14	9 22	1 38	22 18	9 29	4 21	3 54	0 11	16 44	6 36				
W27	21 11	3 46	2 14	11 47	3 18	7 24	2 1	16 36	0 20	12 31	1 3	4 0	1 56	23 38	0 14	9 23	1 38	22 18	9 29	4 21	3 53	0 13	16 44	6 37				
T 28	21 21	0n43	1 2	12 12	3 15	7 48	2 2	16 49	0 19	12 36	1 3	3 59	1 56	23 38	0 14	9 24	1 38	22 17	9 29	4 21	3 51	0 15	16 43	6 37				
F 29	21 31	5 11	0s15	12 38	3 11	8 11	2 3	17 2	0 18	12 40	1 3	3 58	1 56	23 38	0 14	9 24	1 38	22 17	9 28	4 21	3 50	0 17	16 43	6 37				
S 30	21 40	9 23	1 31	13 5	3 6	8 35	2 4	17 15	0 18	12 44	1 3	3 56	1 57	23 37	0 14	9 25	1 38	22 17	9 28	4 21	3 49	0 19	16 43	6 38				
S 31	21n49	13n 2	2s40	13n33	3s 1	8n59	2s 5	17n27	0s17	12n48	1s 3	3s55	1s57	23n37	0n14	9n25	1s38	22n16	9n28	4s19	3s48	0s21	16s43	6n38				



# ASTRODIENST EPHEMERIS for the year 2201

## geocentric

JUNE 2201

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	16 36 28	10 <sup>II</sup> 15'16	26 <sup>8</sup> 49	16 <sup>8</sup> 48	29 <sup>Y</sup> 39	20 <sup>8</sup> 46	7 <sup>8</sup> 8	24 <sup>4</sup> 41	2 <sup>5</sup> 40	28 <sup>Y</sup> 36	24 <sup>Q</sup> 26	10°R50	9 <sup>Q</sup> 32	28 <sup>Y</sup> 42	4°R 9	M 1
T 2	16 40 25	11°12'52	10 <sup>II</sup> 57	18°13	0 <sup>8</sup> 48	21°30	7°21	24°45	2°43	28°38	24°27	10 <sup>Q</sup> 42	9°29	28°49	4 <sup>8</sup> 6	T 2
W 3	16 44 21	12°10'27	24°49	19°40	1°57	22°14	7°34	24°48	2°46	28°40	24°28	10°33	9°26	28°55	4° 2	W 3
T 4	16 48 18	13° 8'01	8 <sup>Q</sup> 22	21°10	3° 6	22°57	7°47	24°51	2°50	28°41	24°28	10°22	9°23	29° 2	3°59	T 4
F 5	16 52 15	14° 5'34	21°34	22°43	4°15	23°41	8° 0	24°54	2°53	28°43	24°29	10°13	9°19	29° 9	3°55	F 5
S 6	16 56 11	15° 3'06	4 <sup>Q</sup> 23	24°18	5°24	24°25	8°13	24°58	2°57	28°45	24°30	10° 5	9°16	29°15	3°51	S 6
S 7	17 0 8	16° 0'36	16°52	25°55	6°33	25° 9	8°26	25° 1	3° 0	28°46	24°31	9°59	9°13	29°22	3°47	S 7
M 8	17 4 4	16°58'05	29° 4	27°35	7°42	25°52	8°39	25° 3	3° 4	28°48	24°32	9°55	9°10	29°28	3°44	M 8
T 9	17 8 1	17°55'33	11 <sup>Y</sup> 3	29°18	8°51	26°36	8°51	25° 6	3° 7	28°50	24°33	9°53	9° 7	29°35	3°40	T 9
W10	17 11 57	18°52'59	22°54	1 <sup>II</sup> 3	10° 1	27°19	9° 4	25° 9	3°11	28°51	24°34	9°D53	9° 4	29°42	3°36	W10
T 11	17 15 54	19°50'25	4 <sup>Q</sup> 43	2°50	11°10	28° 3	9°17	25°11	3°14	28°53	24°35	9°R54	9° 0	29°48	3°32	T 11
F 12	17 19 50	20°47'49	16°34	4°40	12°20	28°46	9°29	25°14	3°18	28°54	24°36	9°53	8°57	29°55	3°28	F 12
S 13	17 23 47	21°45'12	28°33	6°32	13°29	29°29	9°42	25°16	3°21	28°56	24°37	9°52	8°54	0 <sup>Q</sup> 2	3°24	S 13
S 14	17 27 44	22°42'35	10 <sup>III</sup> 44	8°27	14°39	0 <sup>II</sup> 13	9°54	25°19	3°25	28°58	24°38	9°48	8°51	0° 8	3°20	S 14
M15	17 31 40	23°39'56	23°11	10°24	15°49	0°56	10° 6	25°21	3°28	28°59	24°39	9°42	8°48	0°15	3°16	M15
T 16	17 35 37	24°37'16	5 <sup>Y</sup> 57	12°23	16°59	1°39	10°19	25°23	3°32	29° 0	24°40	9°33	8°45	0°22	3°13	T 16
W17	17 39 33	25°34'36	19° 0	14°25	18° 8	2°22	10°31	25°25	3°35	29° 2	24°41	9°23	8°41	0°28	3° 9	W17
T 18	17 43 30	26°31'55	2 <sup>8</sup> 2	16°28	19°18	3° 5	10°43	25°27	3°39	29° 3	24°42	9°11	8°38	0°35	3° 5	T 18
F 19	17 47 26	27°29'13	16° 0	18°33	20°28	3°48	10°55	25°29	3°43	29° 5	24°43	8°59	8°35	0°42	3° 1	F 19
S 20	17 51 23	28°26'31	29°50	20°40	21°38	4°31	11° 7	25°31	3°46	29° 6	24°44	8°49	8°32	0°48	2°56	S 20
S 21	17 55 19	29°23'48	13 <sup>Q</sup> 50	22°48	22°49	5°14	11°19	25°32	3°50	29° 7	24°45	8°41	8°29	0°55	2°52	S 21
M22	17 59 16	0 <sup>Q</sup> 21'05	27°54	24°57	23°59	5°57	11°31	25°34	3°53	29° 9	24°47	8°35	8°25	1° 2	2°48	M22
T 23	18 3 13	1°18'22	12 <sup>Y</sup> 2	27° 8	25° 9	6°39	11°42	25°35	3°57	29°10	24°48	8°32	8°22	1° 8	2°44	T 23
W24	18 7 9	2°15'38	26°10	29°19	26°19	7°22	11°54	25°37	4° 1	29°11	24°49	8°32	8°19	1°15	2°40	W24
T 25	18 11 6	3°12'54	10 <sup>Y</sup> 17	1 <sup>Q</sup> 31	27°30	8° 5	12° 5	25°38	4° 4	29°13	24°50	8°32	8°16	1°21	2°36	T 25
F 26	18 15 2	4°10'10	24°23	3°42	28°40	8°47	12°17	25°39	4° 8	29°14	24°52	8°31	8°13	1°28	2°32	F 26
S 27	18 18 59	5° 7'26	8 <sup>Y</sup> 27	5°54	29°51	9°30	12°28	25°40	4°11	29°15	24°53	8°29	8°10	1°35	2°28	S 27
S 28	18 22 55	6° 4'42	22°26	8° 5	1 <sup>II</sup> 1	10°12	12°39	25°41	4°15	29°16	24°54	8°24	8° 6	1°41	2°24	S 28
M29	18 26 52	7° 1'58	6 <sup>II</sup> 18	10°15	2°12	10°55	12°51	25°42	4°19	29°17	24°56	8°17	8° 3	1°48	2°20	M29
T 30	18 30 48	7 <sup>Q</sup> 59'14	20 <sup>II</sup> 2	12 <sup>Q</sup> 25	3 <sup>II</sup> 22	11 <sup>II</sup> 37	13 <sup>8</sup> 2	25 <sup>Y</sup> 43	4 <sup>Q</sup> 22	29 <sup>Y</sup> 18	24 <sup>Q</sup> 57	8 <sup>Q</sup> 7	8 <sup>Q</sup> 0	1 <sup>Q</sup> 55	2 <sup>Q</sup> 16	T 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	21n58	15n51	3s40	14n 2	2s55	9n22	2s 6	17n40	0s16	12n53	1s 3	3s54	1s57	23n37	0n14	9n26	1s38	22n16	9n28	4s17	3s46	0s22	16s42	6n39			
T 2	22 6	17 41	4 25	14 32	2 49	9 45	2 7	17 52	0 16	12 57	1 3	3 53	1 57	23 37	0 14	9 27	1 38	22 15	9 28	4 14	3 45	0 24	16 42	6 39			
W 3	22 13	18 26	4 53	15 2	2 42	10 9	2 7	18 4	0 15	13 1	1 3	3 52	1 58	23 37	0 14	9 27	1 38	22 15	9 27	4 10	3 44	0 26	16 42	6 39			
T 4	22 21	18 5	5 4	15 32	2 35	10 32	2 8	18 15	0 14	13 5	1 3	3 51	1 58	23 37	0 14	9 28	1 38	22 14	9 27	4 6	3 43	0 28	16 41	6 40			
F 5	22 28	16 46	4 58	16 3	2 27	10 55	2 8	18 27	0 14	13 9	1 3	3 50	1 58	23 37	0 14	9 28	1 38	22 14	9 27	4 2	3 41	0 30	16 41	6 40			
S 6	22 34	14 39	4 38	16 35	2 19	11 17	2 8	18 38	0 13	13 14	1 4	3 49	1 58	23 37	0 14	9 29	1 38	22 13	9 27	3 59	3 40	0 32	16 41	6 40			
S 7	22 41	11 53	4 4	17 6	2 10	11 40	2 8	18 50	0 12	13 18	1 4	3 48	1 59	23 37	0 14	9 29	1 38	22 13	9 27	3 57	3 39	0 33	16 41	6 41			
M 8	22 46	8 40	3 20	17 38	2 1	12 2	2 8	19 1	0 12	13 22	1 4	3 47	1 59	23 37	0 14	9 30	1 38	22 13	9 27	3 55	3 38	0 35	16 41	6 41			
T 9	22 52	5 8	2 27	18 10	1 51	12 24	2 8	19 11	0 11	13 26	1 4	3 46	1 59	23 37	0 14	9 31	1 39	22 12	9 26	3 55	3 36	0 37	16 40	6 41			
W10	22 57	1 27	1 29	18 41	1 42	12 46	2 8	19 22	0 10	13 30	1 4	3 45	1 59	23 37	0 14	9 31	1 39	22 12	9 26	3 55	3 35	0 39	16 40	6 42			
T 11	23 1	2s18	0 28	19 12	1 31	13 8	2 8	19 33	0 10	13 33	1 4	3 44	2 0	23 37	0 14	9 32	1 39	22 11	9 26	3 55	3 34	0 41	16 40	6 42			
F 12	23 5	5 57	0n36	19 43	1 21	13 30	2 8	19 43	0 9	13 37	1 4	3 44	2 0	23 37	0 14	9 32	1 39	22 11	9 26	3 55	3 33	0 43	16 40	6 42			
S 13	23 9	9 25	1 38	20 13	1 10	13 51	2 7	19 53	0 8	13 41	1 4	3 43	2 0	23 36	0 14	9 33	1 39	22 10	9 26	3 54	3 31	0 44	16 40	6 42			
S 14	23 13	12 33	2 36	20 43	0 59	14 12	2 7	20 3	0 8	13 45	1 4	3 42	2 0	23 36	0 14	9 33	1 39	22 10	9 26	3 53	3 30	0 46	16 40	6 43			
M15	23 16	15 11	3 29	21 11	0 48	14 33	2 6	20 12	0 7	13 49	1 4	3 41	2 1	23 36	0 14	9 34	1 39	22 9	9 25	3 50	3 29	0 48	16 39	6 43			
T 16	23 18	17 8	4 12	21 38	0 37	14 53	2 5	20 22	0 6	13 53	1 4	3 41	2 1	23 36	0 14	9 34	1 39	22 9	9 25	3 47	3 28	0 50	16 39	6 43			
W17	23 20	18 16	4 43	22 4	0 26	15 13	2 5	20 31	0 6	13 56	1 4	3 40	2 1	23 36	0 14	9 35	1 39	22 8	9 25	3 43	3 26	0 52	16 39	6 43			
T 18	23 22	18 24	4 59	22 29	0 15	15 33	2 4	20 40	0 5	14 0	1 4	3 40	2 1	23 36	0 14	9 35	1 39	22 7	9 25	3 38	3 25	0 54	16 39	6 43			
F 19	23 23	17 30	4 59	22 51	0 4	15 52	2 3	20 49	0 4	14 4	1 5	3 39	2 2	23 36	0 14	9 35	1 39	22 7	9 25	3 34	3 24	0 56	16 39	6 44			
S 20	23 24	15 34	4 42	23 12	0n 7	16 12	2 2	20 57	0 4	14 7	1 5	3 39	2 2	23 36	0 14	9 36	1 39	22 6	9 25	3 29	3 23	0 57	16 39	6 44			
S 21	23 25	12 43	4 7	23 30	0 18	16 30	2 1	21 6	0 3	14 11	1 5	3 38	2 2	23 36	0 14	9 36	1 39	22 6	9 24	3 26	3 21	0 59	16 39	6 44			
M22	23 25	9 6	3 17	23 47	0 28	16 49	1 59	21 14	0 2	14 14	1 5	3 38	2 2	23 36	0 14	9 37	1 39	22 5	9 24	3 24	3 20	1 1	16 39	6 44			
T 23	23 24	4 57	2 15	24 1	0 38	17 7	1 58	21 22	0 2	14 18	1 5	3 38	2 3	23 36	0 14	9 37	1 39	22 5	9 24	3 23	3 19	1 3	16 39	6 44			
W24	23 23	0 32	1 5	24 12	0 47	17 25	1 57	21 30	0 1	14 21	1 5	3 37	2 3	23 35	0 14	9 37	1 39	22 4	9 24	3 23	3 18	1 5	16 39	6 44			
T 25	23 22	3n56	0s 9	24 21	0 57	17 42	1 55	21 38	0 0	14 25	1 5	3 37	2 3	23 35	0 14	9 38	1 39	22 4	9 24	3 23	3 16	1 7	16 39	6 44			
F 26	23 21	8 9	1 23	24 26	1 5	17 59	1 54	21 45	0n 0	14 28	1 5	3 37	2 3	23 35	0 15	9 38	1 39	22 3	9 24	3 22	3 15	1 8	16 39	6 45			
S 27	23 19	11 55	2 31	24 30	1 13	18 16	1 52	21 52	0 1	14 31	1 5	3 37	2 4	23 35	0 14	9 39	1 39	22 2	9 24	3 22	3 14	1 10	16 39	6 45			
S 28	23 16	14 58	3 30	24 30	1 20	18 32	1 51	21 59	0 2	14 35	1 5	3 37	2 4	23 35	0 15	9 39	1 39	22 2	9 23	3 20	3 13	1 12	16 39	6 45			
M29	23 13	17 8	4 16	24 27	1 27	18 47	1 49	22 6	0 2	14 38	1 6	3 36	2 4	23 35	0 15	9 39	1 40	22 1	9 23	3 17	3 11	1 14	16 39	6 45			
T 30	23n10	18n17	4s46	24n22	1n33	19n 3	1s47	22n12	0n 3	14n41	1s 6	3s36	2s 4	23n35	0n15	9n40	1s40	22n 1	9n23	3s13	3s10	1s16	16s39	6n45			

ASTRODIENST EPHEMERIS for the year 2201  
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JULY 2201

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Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	18 34 45	8♌56'29	3♌33	14♌33	4♏33	12♏19	13♏13	25♏44	4♌26	29♏19	24♏59	7♏R55	7♏57	2♏1	2♏R12	W 1
T 2	18 38 42	9°53'44	16°49	16°41	5°44	13° 1	13°24	25°44	4°29	29°20	25° 0	7♏43	7°54	2° 8	2♏8	T 2
F 3	18 42 38	10°50'59	29°47	18°46	6°55	13°44	13°34	25°45	4°33	29°21	25° 1	7°31	7°51	2°15	2° 4	F 3
S 4	18 46 35	11°48'14	12♏28	20°51	8° 5	14°26	13°45	25°45	4°36	29°22	25° 3	7°20	7°47	2°21	2° 0	S 4
S 5	18 50 31	12°45'28	24°52	22°53	9°16	15° 8	13°56	25°45	4°40	29°23	25° 4	7°12	7°44	2°28	1°56	S 5
M 6	18 54 28	13°42'42	7♏1	24°54	10°27	15°50	14° 6	25°45	4°44	29°24	25° 6	7° 7	7°41	2°35	1°52	M 6
T 7	18 58 24	14°39'56	18°58	26°53	11°38	16°32	14°16	25°R45	4°47	29°25	25° 7	7° 4	7°38	2°41	1°49	T 7
W 8	19 2 21	15°37'09	0♏48	28°50	12°49	17°14	14°27	25°45	4°51	29°26	25° 9	7° 3	7°35	2°48	1°45	W 8
T 9	19 6 17	16°34'22	12°37	0♏45	14° 0	17°55	14°37	25°45	4°54	29°27	25°10	7° 3	7°31	2°55	1°41	T 9
F 10	19 10 14	17°31'35	24°28	2°38	15°12	18°37	14°47	25°45	4°58	29°28	25°12	7° 2	7°28	3° 1	1°37	F 10
S 11	19 14 11	18°28'47	6♏28	4°29	16°23	19°19	14°57	25°45	5° 1	29°28	25°13	7° 1	7°25	3° 8	1°33	S 11
S 12	19 18 7	19°25'59	18°42	6°18	17°34	20° 1	15° 7	25°44	5° 5	29°29	25°15	6°58	7°22	3°14	1°30	S 12
M13	19 22 4	20°23'12	1♏15	8° 5	18°45	20°42	15°16	25°44	5° 8	29°30	25°17	6°53	7°19	3°21	1°26	M13
T 14	19 26 0	21°20'24	14° 9	9°50	19°57	21°24	15°26	25°43	5°12	29°30	25°18	6°45	7°16	3°28	1°22	T 14
W15	19 29 57	22°17'36	27°26	11°33	21° 8	22° 5	15°35	25°42	5°15	29°31	25°20	6°35	7°12	3°34	1°19	W15
T 16	19 33 53	23°14'49	11♏6	13°14	22°19	22°46	15°45	25°42	5°19	29°32	25°22	6°24	7° 9	3°41	1°15	T 16
F 17	19 37 50	24°12'01	25° 5	14°54	23°31	23°28	15°54	25°41	5°22	29°32	25°23	6°13	7° 6	3°48	1°11	F 17
S 18	19 41 47	25° 9'14	9♏20	16°31	24°42	24° 9	16° 3	25°40	5°26	29°33	25°25	6° 3	7° 3	3°54	1° 8	S 18
S 19	19 45 43	26° 6'27	23°45	18° 6	25°54	24°50	16°12	25°39	5°29	29°33	25°27	5°55	7° 0	4° 1	1° 5	S 19
M20	19 49 40	27° 3'40	8♏13	19°39	27° 6	25°31	16°21	25°37	5°32	29°34	25°28	5°50	6°57	4° 8	1° 1	M20
T 21	19 53 36	28° 0'54	22°40	21°10	28°17	26°13	16°29	25°36	5°36	29°34	25°30	5°48	6°53	4°14	0°58	T 21
W22	19 57 33	28°58'09	7♏1	22°39	29°29	26°54	16°38	25°35	5°39	29°35	25°32	5°D47	6°50	4°21	0°55	W22
T 23	20 1 29	29°55'24	21°14	24° 6	0♏41	27°35	16°47	25°33	5°43	29°35	25°33	5°48	6°47	4°28	0°51	T 23
F 24	20 5 26	0♏52'40	5♏18	25°31	1°53	28°16	16°55	25°31	5°46	29°35	25°35	5°R48	6°44	4°34	0°48	F 24
S 25	20 9 22	1°49'57	19°11	26°54	3° 5	28°56	17° 3	25°30	5°49	29°36	25°37	5°46	6°41	4°41	0°45	S 25
S 26	20 13 19	2°47'15	2♏53	28°15	4°17	29°37	17°11	25°28	5°53	29°36	25°39	5°43	6°37	4°47	0°42	S 26
M27	20 17 16	3°44'33	16°24	29°33	5°29	0♏18	17°19	25°26	5°56	29°36	25°40	5°37	6°34	4°54	0°39	M27
T 28	20 21 12	4°41'53	29°44	0♏50	6°41	0°59	17°27	25°24	5°59	29°36	25°42	5°29	6°31	5° 1	0°36	T 28
W29	20 25 9	5°39'13	12♏52	2° 4	7°53	1°39	17°34	25°22	6° 2	29°36	25°44	5°20	6°28	5° 7	0°33	W29
T 30	20 29 5	6°36'34	25°47	3°15	9° 5	2°20	17°42	25°20	6° 6	29°37	25°46	5° 9	6°25	5°14	0°30	T 30
F 31	20 33 2	7♏33'55	8♏27	4♏25	10♏17	3♏0	17♏49	25♏18	6♏9	29♏37	25♏48	4♏59	6♏22	5♏21	0♏27	F 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	decl	lat
W 1	23n 7	18n22	5s 0	24n14	1n38	19n18	1s46	22n19	0n 4	14n44	1s 6	3s36	2s 5	23n35	0n15	9n40	1s40	22n 0	9n23	3s 8	3s 9	1s18	16s39	6n45		
T 2	23 2	17 27	4 57	24 3	1 42	19 32	1 44	22 25	0 5	14 48	1 6	3 36	2 5	23 35	0 15	9 40	1 40	21 59	9 23	3 3	3 8	1 19	16 39	6 45		
F 3	22 58	15 38	4 39	23 50	1 46	19 46	1 42	22 31	0 5	14 51	1 6	3 36	2 5	23 34	0 15	9 41	1 40	21 59	9 23	2 59	3 6	1 21	16 39	6 45		
S 4	22 53	13 6	4 7	23 35	1 48	19 59	1 40	22 36	0 6	14 54	1 6	3 37	2 6	23 34	0 15	9 41	1 40	21 58	9 23	2 54	3 5	1 23	16 39	6 45		
S 5	22 48	10 1	3 24	23 17	1 51	20 12	1 38	22 42	0 7	14 57	1 6	3 37	2 6	23 34	0 15	9 41	1 40	21 58	9 23	2 51	3 4	1 25	16 39	6 45		
M 6	22 42	6 34	2 32	22 58	1 52	20 24	1 36	22 47	0 7	15 0	1 6	3 37	2 6	23 34	0 15	9 41	1 40	21 57	9 23	2 49	3 3	1 27	16 39	6 45		
T 7	22 36	2 55	1 34	22 36	1 53	20 36	1 34	22 52	0 8	15 3	1 6	3 37	2 6	23 34	0 15	9 42	1 40	21 56	9 22	2 48	3 1	1 29	16 39	6 45		
W 8	22 30	0s50	0 33	22 12	1 53	20 48	1 32	22 57	0 9	15 6	1 7	3 37	2 7	23 34	0 15	9 42	1 40	21 56	9 22	2 48	3 0	1 30	16 39	6 45		
T 9	22 23	4 31	0n30	21 47	1 52	20 59	1 29	23 1	0 10	15 8	1 7	3 38	2 7	23 34	0 15	9 42	1 40	21 55	9 22	2 48	2 59	1 32	16 39	6 45		
F 10	22 16	8 3	1 31	21 20	1 50	21 9	1 27	23 6	0 10	15 11	1 7	3 38	2 7	23 34	0 15	9 42	1 40	21 55	9 22	2 47	2 58	1 34	16 39	6 45		
S 11	22 8	11 18	2 30	20 52	1 48	21 19	1 25	23 10	0 11	15 14	1 7	3 38	2 7	23 34	0 15	9 43	1 40	21 54	9 22	2 47	2 56	1 36	16 40	6 44		
S 12	22 0	14 8	3 22	20 23	1 46	21 28	1 22	23 14	0 12	15 17	1 7	3 39	2 8	23 33	0 15	9 43	1 40	21 53	9 22	2 46	2 55	1 38	16 40	6 44		
M13	21 52	16 22	4 6	19 52	1 42	21 36	1 20	23 17	0 12	15 19	1 7	3 39	2 8	23 33	0 15	9 43	1 40	21 53	9 22	2 44	2 54	1 39	16 40	6 44		
T 14	21 43	17 51	4 39	19 21	1 39	21 45	1 17	23 21	0 13	15 22	1 7	3 40	2 8	23 33	0 15	9 43	1 40	21 52	9 22	2 40	2 53	1 41	16 40	6 44		
W15	21 34	18 25	4 58	18 48	1 34	21 52	1 15	23 24	0 14	15 25	1 8	3 40	2 8	23 33	0 15	9 43	1 40	21 51	9 22	2 37	2 51	1 43	16 40	6 44		
T 16	21 25	17 57	5 1	18 15	1 29	21 59	1 12	23 27	0 14	15 27	1 8	3 41	2 9	23 33	0 15	9 43	1 40	21 51	9 22	2 32	2 50	1 45	16 40	6 44		
F 17	21 15	16 24	4 46	17 41	1 24	22 5	1 10	23 30	0 15	15 30	1 8	3 41	2 9	23 33	0 15	9 44	1 41	21 50	9 22	2 28	2 49	1 47	16 41	6 44		
S 18	21 5	13 49	4 13	17 6	1 18	22 11	1 7	23 33	0 16	15 32	1 8	3 42	2 9	23 33	0 15	9 44	1 41	21 49	9 22	2 24	2 48	1 49	16 41	6 44		
S 19	20 54	10 23	3 24	16 31	1 11	22 16	1 5	23 35	0 17	15 35	1 8	3 43	2 9	23 33	0 15	9 44	1 41	21 49	9 21	2 21	2 46	1 50	16 41	6 43		
M20	20 43	6 18	2 21	15 56	1 4	22 21	1 2	23 37	0 17	15 37	1 8	3 43	2 10	23 32	0 15	9 44	1 41	21 48	9 21	2 19	2 45	1 52	16 41	6 43		
T 21	20 32	1 51	1 9	15 20	0 57	22 25	0 59	23 39	0 18	15 39	1 8	3 44	2 10	23 32	0 15	9 44	1 41	21 48	9 21	2 18	2 44	1 54	16 41	6 43		
W22	20 20	2n41	0s 7	14 44	0 49	22 28	0 57	23 41	0 19	15 42	1 9	3 45	2 10	23 32	0 15	9 44	1 41	21 47	9 21	2 18	2 43	1 56	16 42	6 43		
T 23	20 9	7 1	1 21	14 7	0 41	22 30	0 54	23 43	0 19	15 44	1 9	3 46	2 10	23 32	0 15	9 44	1 41	21 46	9 21	2 18	2 41	1 58	16 42	6 43		
F 24	19 56	10 54	2 31	13 31	0 33	22 32	0 51	23 44	0 20	15 46	1 9	3 47	2 11	23 32	0 15	9 44	1 41	21 46	9 21	2 18	2 40	2 0	16 42	6 42		
S 25	19 44	14 8	3 30	12 54	0 24	22 34	0 49	23 45	0 21	15 48	1 9	3 47	2 11	23 32	0 15	9 44	1 41	21 45	9 21	2 17	2 39	2 1	16 42	6 42		
S 26	19 31	16 31	4 16	12 18	0 15	22 35	0 46	23 46	0 22	15 50	1 9	3 48	2 11	23 32	0 15	9 44	1 41	21 44	9 21	2 16	2 38	2 3	16 43	6 42		
M27	19 18	17 57	4 48	11 42	0 5	22 35	0 43	23 47	0 22	15 52	1 9	3 49	2 11	23 31	0 15	9 44	1 41	21 44	9 21	2 14	2 36	2 5	16 43	6 42		
T 28	19 4	18 22	5 3	11 6	0s 5	22 34	0 40	23 47	0 23	15 54	1 9	3 50	2 12	23 31	0 15	9 44	1 41	21 43	9 21	2 11	2 35	2 7	16 43	6 41		
W29	18 50	17 47	5 2	10 30	0 15	22 33	0 38	23 48	0 24	15 56	1 10	3 51	2 12	23 31	0 15	9 44	1 41	21 42	9 21	2 7	2 34	2 9	16 43	6 41		
T 30	18 36	16 17	4 45	9 54	0 25	22 31	0 35	23 48	0 24	15 58	1 10	3 52	2 12	23 31	0 15	9 44	1 41	21 42	9 21	2 3	2 33	2 10	16 44	6 41		
F 31	18n21	14n 1	4s15	9n19	0s36	22n29	0s32	23n48	0n25	16n 0	1s10	3s54	2s12	23n31	0n15	9n44	1s41	21n41	9n21	1s59	2s31	2s12	16s44	6n40		



# ASTRODIENST EPHEMERIS for the year 2201

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AUGUST 2201

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 36 58	8♌31'18	20♌54	5♍32	11♍29	3♍41	17♌56	25°R15	6♍12	29°V37	25♌49	4°R51	6♌18	5♌27	0°R25	S 1
S 2	20 40 55	9°28'40	3♍8	6°36	12°42	4°21	18° 3	25♌13	6°15	29°37	25°51	4♌44	6°15	5°34	0♌22	S 2
M 3	20 44 51	10°26'04	15°10	7°37	13°54	5° 2	18°10	25°10	6°18	29°R37	25°53	4°40	6°12	5°41	0°19	M 3
T 4	20 48 48	11°23'28	27° 4	8°36	15° 6	5°42	18°17	25° 8	6°21	29°37	25°55	4°38	6° 9	5°47	0°17	T 4
W 5	20 52 44	12°20'53	8♌52	9°32	16°19	6°22	18°24	25° 5	6°24	29°37	25°57	4°D38	6° 6	5°54	0°15	W 5
T 6	20 56 41	13°18'18	20°39	10°25	17°31	7° 2	18°30	25° 2	6°28	29°37	25°59	4°39	6° 2	6° 1	0°12	T 6
F 7	21 0 38	14°15'44	2♌30	11°15	18°44	7°42	18°36	25° 0	6°31	29°37	26° 1	4°40	5°59	6° 7	0°10	F 7
S 8	21 4 34	15°13'11	14°30	12° 1	19°56	8°22	18°42	24°57	6°34	29°36	26° 2	4°R40	5°56	6°14	0° 8	S 8
S 9	21 8 31	16°10'38	26°43	12°44	21° 9	9° 2	18°48	24°54	6°37	29°36	26° 4	4°40	5°53	6°20	0° 6	S 9
M10	21 12 27	17° 8'06	9♌16	13°23	22°21	9°42	18°54	24°51	6°39	29°36	26° 6	4°37	5°50	6°27	0° 3	M10
T 11	21 16 24	18° 5'35	22°11	13°58	23°34	10°22	19° 0	24°47	6°42	29°36	26° 8	4°33	5°47	6°34	0° 1	T 11
W12	21 20 20	19° 3'05	5♌32	14°30	24°47	11° 2	19° 5	24°44	6°45	29°35	26°10	4°27	5°43	6°40	29♌59	W12
T 13	21 24 17	20° 0'35	19°20	14°57	26° 0	11°42	19°10	24°41	6°48	29°35	26°12	4°21	5°40	6°47	29°58	T 13
F 14	21 28 13	20°58'07	3♌32	15°19	27°12	12°21	19°15	24°38	6°51	29°35	26°14	4°14	5°37	6°54	29°56	F 14
S 15	21 32 10	21°55'39	18° 4	15°37	28°25	13° 1	19°20	24°34	6°54	29°34	26°16	4° 8	5°34	7° 0	29°54	S 15
S 16	21 36 7	22°53'12	2♌50	15°50	29°38	13°40	19°25	24°31	6°56	29°34	26°18	4° 3	5°31	7° 7	29°53	S 16
M17	21 40 3	23°50'47	17°42	15°58	0♌51	14°20	19°30	24°27	6°59	29°34	26°19	4° 0	5°28	7°14	29°51	M17
T 18	21 44 0	24°48'23	2°V32	16°R 1	2° 4	14°59	19°34	24°23	7° 2	29°33	26°21	3°D59	5°24	7°20	29°50	T 18
W19	21 47 56	25°46'00	17°14	15°58	3°17	15°39	19°38	24°20	7° 5	29°33	26°23	4° 0	5°21	7°27	29°48	W19
T 20	21 51 53	26°43'39	1♌42	15°50	4°30	16°18	19°42	24°16	7° 7	29°32	26°25	4° 1	5°18	7°34	29°47	T 20
F 21	21 55 49	27°41'19	15°54	15°36	5°43	16°57	19°46	24°12	7°10	29°31	26°27	4° 2	5°15	7°40	29°46	F 21
S 22	21 59 46	28°39'01	29°47	15°16	6°56	17°36	19°50	24° 8	7°12	29°31	26°29	4°R 3	5°12	7°47	29°45	S 22
S 23	22 3 42	29°36'45	13♌23	14°51	8°10	18°15	19°53	24° 4	7°15	29°30	26°31	4° 2	5° 8	7°54	29°44	S 23
M24	22 7 39	0♌34'30	26°42	14°21	9°23	18°54	19°57	24° 0	7°17	29°30	26°33	4° 0	5° 5	8° 0	29°43	M24
T 25	22 11 36	1°32'17	9♌44	13°45	10°36	19°33	20° 0	23°56	7°20	29°29	26°35	3°56	5° 2	8° 7	29°42	T 25
W26	22 15 32	2°30'06	22°43	13° 4	11°50	20°12	20° 3	23°52	7°22	29°28	26°37	3°51	4°59	8°13	29°41	W26
T 27	22 19 29	3°27'56	5♌8	12°19	13° 3	20°51	20° 6	23°48	7°25	29°27	26°38	3°46	4°56	8°20	29°41	T 27
F 28	22 23 25	4°25'47	17°31	11°31	14°17	21°30	20° 8	23°44	7°27	29°27	26°40	3°41	4°53	8°27	29°40	F 28
S 29	22 27 22	5°23'41	29°43	10°39	15°30	22° 9	20°11	23°40	7°29	29°26	26°42	3°37	4°49	8°33	29°40	S 29
S 30	22 31 18	6°21'35	11♌46	9°45	16°44	22°47	20°13	23°36	7°31	29°25	26°44	3°34	4°46	8°40	29°39	S 30
M31	22 35 15	7♌19'31	23♌40	8♌50	17♌57	23°26	20♌15	23♌31	7°34	29°V24	26♌46	3♌32	4♌43	8♌47	29♌39	M31

Day	☉	☾		♂	♀		♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	18n 7	11n 9	3s32	8n45	0s47	22n26	0s29	23n47	0n26	16n 2	1s10	3s55	2s13	23n31	0n15	9n44	1s41	21n40	9n21	1s55	2s30	2s14	16s44	6n40	
S 2	17 52	7 50	2 41	8 11	0 58	22 22	0 26	23 47	0 26	16 4	1 10	3 56	2 13	23 31	0 15	9 44	1 41	21 40	9 21	1 53	2 29	2 16	16 45	6 40	
M 3	17 36	4 15	1 43	7 38	1 9	22 18	0 23	23 46	0 27	16 6	1 10	3 57	2 13	23 31	0 15	9 44	1 42	21 39	9 21	1 51	2 28	2 18	16 45	6 40	
T 4	17 21	0 33	0 41	7 5	1 21	22 13	0 21	23 45	0 28	16 7	1 11	3 58	2 13	23 30	0 15	9 44	1 42	21 39	9 21	1 50	2 26	2 20	16 45	6 39	
W 5	17 5	3s10	0n23	6 34	1 32	22 7	0 18	23 44	0 29	16 9	1 11	4 0	2 13	23 30	0 15	9 44	1 42	21 38	9 21	1 50	2 25	2 21	16 46	6 39	
T 6	16 48	6 44	1 25	6 3	1 44	22 1	0 15	23 43	0 29	16 11	1 11	4 1	2 14	23 30	0 15	9 44	1 42	21 37	9 21	1 51	2 24	2 23	16 46	6 39	
F 7	16 32	10 3	2 25	5 33	1 56	21 54	0 12	23 41	0 30	16 12	1 11	4 2	2 14	23 30	0 15	9 44	1 42	21 37	9 21	1 51	2 23	2 25	16 46	6 38	
S 8	16 15	13 0	3 19	5 5	2 8	21 47	0 9	23 39	0 31	16 14	1 11	4 3	2 14	23 30	0 15	9 44	1 42	21 36	9 21	1 51	2 21	2 27	16 47	6 38	
S 9	15 58	15 26	4 4	4 37	2 20	21 38	0 7	23 38	0 31	16 15	1 11	4 5	2 14	23 30	0 15	9 44	1 42	21 35	9 21	1 51	2 20	2 29	16 47	6 37	
M10	15 41	17 12	4 40	4 11	2 31	21 30	0 4	23 35	0 32	16 16	1 12	4 6	2 15	23 30	0 15	9 44	1 42	21 35	9 21	1 50	2 19	2 30	16 48	6 37	
T 11	15 23	18 9	5 2	3 47	2 43	21 20	0 1	23 33	0 33	16 18	1 12	4 8	2 15	23 30	0 15	9 43	1 42	21 34	9 21	1 48	2 18	2 32	16 48	6 37	
W12	15 6	18 9	5 9	3 24	2 55	21 10	0n 2	23 31	0 34	16 19	1 12	4 9	2 15	23 29	0 15	9 43	1 42	21 33	9 21	1 46	2 16	2 34	16 48	6 36	
T 13	14 48	17 5	4 59	3 3	3 7	21 0	0 4	23 28	0 34	16 20	1 12	4 11	2 15	23 29	0 15	9 43	1 42	21 33	9 21	1 43	2 15	2 36	16 49	6 36	
F 14	14 29	14 58	4 30	2 44	3 18	20 48	0 7	23 25	0 35	16 22	1 12	4 12	2 15	23 29	0 15	9 43	1 42	21 32	9 21	1 41	2 14	2 38	16 49	6 36	
S 15	14 11	11 51	3 43	2 27	3 29	20 37	0 10	23 22	0 36	16 23	1 12	4 14	2 15	23 29	0 15	9 43	1 42	21 32	9 21	1 38	2 12	2 40	16 49	6 35	
S 16	13 52	7 56	2 41	2 12	3 39	20 24	0 12	23 19	0 37	16 24	1 13	4 15	2 16	23 29	0 15	9 43	1 42	21 31	9 21	1 36	2 11	2 41	16 50	6 35	
M17	13 33	3 31	1 27	2 0	3 50	20 11	0 15	23 15	0 37	16 25	1 13	4 17	2 16	23 29	0 15	9 42	1 42	21 30	9 21	1 35	2 10	2 43	16 50	6 34	
T 18	13 14	1n 8	0 8	1 50	3 59	19 58	0 18	23 12	0 38	16 26	1 13	4 18	2 16	23 29	0 15	9 42	1 42	21 30	9 22	1 35	2 9	2 45	16 51	6 34	
W19	12 55	5 39	1s12	1 43	4 8	19 44	0 20	23 8	0 39	16 27	1 13	4 20	2 16	23 29	0 15	9 42	1 42	21 29	9 22	1 35	2 7	2 47	16 51	6 34	
T 20	12 35	9 47	2 25	1 39	4 16	19 29	0 23	23 4	0 39	16 28	1 13	4 22	2 16	23 28	0 15	9 42	1 43	21 29	9 22	1 36	2 6	2 49	16 52	6 33	
F 21	12 16	13 14	3 29	1 37	4 23	19 14	0 25	23 0	0 40	16 29	1 14	4 23	2 17	23 28	0 15	9 41	1 43	21 28	9 22	1 36	2 5	2 50	16 52	6 33	
S 22	11 56	15 52	4 19	1 39	4 30	18 58	0 28	22 56	0 41	16 29	1 14	4 25	2 17	23 28	0 15	9 41	1 43	21 27	9 22	1 36	2 4	2 52	16 52	6 32	
S 23	11 36	17 32	4 53	1 44	4 35	18 41	0 30	22 51	0 42	16 30	1 14	4 27	2 17	23 28	0 15	9 41	1 43	21 27	9 22	1 36	2 2	2 54	16 53	6 32	
M24	11 15	18 12	5 10	1 52	4 38	18 24	0 33	22 47	0 42	16 31	1 14	4 28	2 17	23 28	0 15	9 41	1 43	21 26	9 22	1 35	2 1	2 56	16 53	6 31	
T 25	10 55	17 53	5 11	2 4	4 40	18 7	0 35	22 42	0 43	16 32	1 14	4 30	2 17	23 28	0 15	9 40	1 43	21 26	9 22	1 34	2 0	2 58	16 54	6 31	
W26	10 34	16 39	4 56	2 19	4 41	17 49	0 37	22 37	0 44	16 32	1 14	4 32	2 17	23 28	0 15	9 40	1 43	21 25	9 22	1 32	1 59	2 59	16 54	6 30	
T 27	10 13	14 38	4 27	2 37	4 40	17 31	0 40	22 32	0 44	16 33	1 15	4 34	2 17	23 28	0 15	9 40	1 43	21 24	9 22	1 30	1 57	3 1	16 55	6 30	
F 28	9 52	11 58	3 46	2 58	4 37	17 12	0 42	22 26	0 45	16 33	1 15	4 36	2 18	23 27	0 15	9 39	1 43	21 24	9 22	1 28	1 56	3 3	16 55	6 30	
S 29	9 31	8 49	2 55	3 22	4 32	16 52	0 44	22 21	0 46	16 34	1 15	4 37	2 18	23 27	0 15	9 39	1 43	21 23	9 22	1 26	1 55	3 5	16 56	6 29	
S 30	9 10	5 20	1 57	3 48	4 25	16 32	0 46	22 15	0 47	16 34	1 15	4 39	2 18	23 27	0 15	9 39	1 43	21 23	9 23	1 25	1 54	3 7	16 56	6 29	
M31	8n49	1n41	0s54	4n16	4s17	16n12	0n48	22n 9	0n47	16n35	1s15	4s41	2s18	23n27	0n15	9n38	1s43	21n22	9n23	1s24	1s52	3s 8	16s56	6n28	

ASTRODIENST EPHEMERIS for the year 2201  
geocentric

SEPTEMBER 2201

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 39 11	8♍17'29	5♊30	7°R56	19♏11	24♌4	20♌17	23°R27	7♌36	29°R23	26♏48	3°D32	4♊40	8♊53	29°R39	T 1
W 2	22 43 8	9°15'28	17°16	7♍2	20°24	24°43	20°18	23♋22	7°38	29°V22	26°50	3♊32	4°37	9°0	29°R39	W 2
T 3	22 47 5	10°13'28	29°3	6°11	21°38	25°21	20°20	23°18	7°40	29°21	26°52	3°34	4°34	9°7	29°D38	T 3
F 4	22 51 1	11°11'30	10♍54	5°23	22°52	26°0	20°21	23°14	7°42	29°20	26°53	3°35	4°30	9°13	29°39	F 4
S 5	22 54 58	12°9'33	22°54	4°39	24°6	26°38	20°22	23°9	7°44	29°19	26°55	3°37	4°27	9°20	29°39	S 5
S 6	22 58 54	13°7'38	5♌6	4°2	25°19	27°16	20°23	23°5	7°46	29°18	26°57	3°38	4°24	9°27	29°39	S 6
M 7	23 2 51	14°5'44	17°36	3°30	26°33	27°54	20°23	23°0	7°48	29°17	26°59	3°R38	4°21	9°33	29°39	M 7
T 8	23 6 47	15°3'51	0♌28	3°6	27°47	28°32	20°24	22°56	7°50	29°16	27°1	3°37	4°18	9°40	29°40	T 8
W 9	23 10 44	16°2'00	13°45	2°50	29°1	29°10	20°24	22°51	7°52	29°15	27°3	3°36	4°14	9°46	29°40	W 9
T 10	23 14 40	17°0'10	27°29	2°D43	0♍15	29°48	20°R24	22°47	7°53	29°14	27°4	3°34	4°11	9°53	29°41	T 10
F 11	23 18 37	17°58'22	11♌41	2°44	1°29	0♏26	20°24	22°42	7°55	29°13	27°6	3°32	4°8	10°0	29°41	F 11
S 12	23 22 34	18°56'35	26°17	2°54	2°43	1°4	20°23	22°37	7°57	29°12	27°8	3°30	4°5	10°6	29°42	S 12
S 13	23 26 30	19°54'50	11♋12	3°12	3°57	1°41	20°23	22°33	7°58	29°11	27°10	3°29	4°2	10°13	29°43	S 13
M14	23 30 27	20°53'06	26°18	3°40	5°11	2°19	20°22	22°28	8°0	29°9	27°12	3°D28	3°59	10°20	29°44	M14
T 15	23 34 23	21°51'25	11°V27	4°16	6°25	2°57	20°21	22°24	8°2	29°8	27°13	3°28	3°55	10°26	29°45	T 15
W16	23 38 20	22°49'45	26°29	5°1	7°39	3°34	20°20	22°19	8°3	29°7	27°15	3°29	3°52	10°33	29°46	W16
T 17	23 42 16	23°48'07	11♌16	5°54	8°54	4°12	20°18	22°14	8°5	29°6	27°17	3°29	3°49	10°40	29°47	T 17
F 18	23 46 13	24°46'32	25°43	6°54	10°8	4°49	20°17	22°10	8°6	29°4	27°19	3°30	3°46	10°46	29°48	F 18
S 19	23 50 9	25°44'58	9♐46	8°1	11°22	5°26	20°15	22°5	8°7	29°3	27°20	3°31	3°43	10°53	29°50	S 19
S 20	23 54 6	26°43'27	23°25	9°15	12°36	6°3	20°13	22°1	8°9	29°2	27°22	3°R31	3°39	11°0	29°51	S 20
M21	23 58 2	27°41'58	6♌41	10°35	13°51	6°41	20°11	21°56	8°10	29°0	27°24	3°31	3°36	11°6	29°53	M21
T 22	0 1 59	28°40'31	19°36	12°0	15°5	7°18	20°8	21°51	8°11	28°59	27°25	3°31	3°33	11°13	29°54	T 22
W23	0 5 56	29°39'07	2♏13	13°30	16°19	7°55	20°6	21°47	8°12	28°57	27°27	3°30	3°30	11°19	29°56	W23
T 24	0 9 52	0♊37'44	14°34	15°3	17°34	8°32	20°3	21°42	8°13	28°56	27°29	3°30	3°27	11°26	29°58	T 24
F 25	0 13 49	1°36'23	26°43	16°40	18°48	9°9	20°0	21°38	8°14	28°55	27°30	3°29	3°24	11°33	29°59	F 25
S 26	0 17 45	2°35'05	8♍43	18°21	20°3	9°45	19°57	21°33	8°15	28°53	27°32	3°29	3°20	11°39	0♌2	S 26
S 27	0 21 42	3°33'49	20°37	20°3	21°17	10°22	19°53	21°29	8°16	28°52	27°34	3°D29	3°17	11°46	0°4	S 27
M28	0 25 38	4°32'34	2♊26	21°48	22°32	10°59	19°50	21°24	8°17	28°50	27°35	3°R29	3°14	11°53	0°6	M28
T 29	0 29 35	5°31'22	14°13	23°34	23°47	11°35	19°46	21°20	8°18	28°49	27°37	3°29	3°11	11°59	0°8	T 29
W30	0 33 31	6♊30'11	26♊1	25♍21	25♍1	12♏12	19♌42	21♋16	8♌19	28°V47	27♏38	3♊29	3♊8	12♊6	0♌10	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	8n27	2s 1	0n11	4n46	4s 6	15n51	0n51	22n 3	0n48	16n35	1s16	4s43	2s18	23n27	0n15	9n38	1s43	21n22	9n23	1s24	1s51	3s10	16s57	6n28	
W 2	8 5	5 37	1 15	5 18	3 54	15 30	0 53	21 57	0 49	16 35	1 16	4 45	2 18	23 27	0 16	9 38	1 43	21 21	9 23	1 24	1 50	3 12	16 57	6 27	
T 3	7 44	9 0	2 16	5 49	3 40	15 8	0 55	21 51	0 49	16 35	1 16	4 46	2 18	23 27	0 16	9 37	1 43	21 21	9 23	1 25	1 49	3 14	16 58	6 27	
F 4	7 22	12 2	3 12	6 21	3 25	14 46	0 56	21 45	0 50	16 35	1 16	4 48	2 18	23 27	0 16	9 37	1 43	21 20	9 23	1 26	1 47	3 16	16 58	6 26	
S 5	7 0	14 36	4 0	6 52	3 8	14 24	0 58	21 38	0 51	16 35	1 16	4 50	2 19	23 27	0 16	9 36	1 43	21 19	9 23	1 26	1 46	3 17	16 59	6 26	
S 6	6 37	16 34	4 38	7 22	2 51	14 1	1 0	21 32	0 52	16 36	1 16	4 52	2 19	23 27	0 16	9 36	1 43	21 19	9 23	1 26	1 45	3 19	16 59	6 25	
M 7	6 15	17 47	5 4	7 51	2 32	13 37	1 2	21 25	0 52	16 36	1 17	4 54	2 19	23 26	0 16	9 36	1 43	21 18	9 24	1 27	1 44	3 21	17 0	6 25	
T 8	5 53	18 9	5 16	8 17	2 13	13 14	1 4	21 18	0 53	16 35	1 17	4 56	2 19	23 26	0 16	9 35	1 43	21 18	9 24	1 26	1 42	3 23	17 0	6 24	
W 9	5 30	17 32	5 12	8 40	1 54	12 49	1 5	21 11	0 54	16 35	1 17	4 58	2 19	23 26	0 16	9 35	1 44	21 17	9 24	1 26	1 41	3 25	17 1	6 24	
T 10	5 8	15 54	4 49	9 1	1 35	12 25	1 7	21 3	0 55	16 35	1 17	4 59	2 19	23 26	0 16	9 34	1 44	21 17	9 24	1 25	1 40	3 26	17 1	6 23	
F 11	4 45	13 16	4 9	9 19	1 16	12 0	1 9	20 56	0 55	16 35	1 17	5 1	2 19	23 26	0 16	9 34	1 44	21 16	9 24	1 24	1 38	3 28	17 2	6 23	
S 12	4 22	9 44	3 12	9 32	0 57	11 35	1 10	20 49	0 56	16 35	1 17	5 3	2 19	23 26	0 16	9 34	1 44	21 16	9 24	1 23	1 37	3 30	17 2	6 22	
S 13	3 59	5 30	2 0	9 43	0 39	11 10	1 11	20 41	0 57	16 34	1 18	5 5	2 19	23 26	0 16	9 33	1 44	21 16	9 25	1 23	1 36	3 32	17 3	6 22	
M14	3 37	0 52	0 40	9 49	0 22	10 44	1 13	20 33	0 58	16 34	1 18	5 7	2 19	23 26	0 16	9 33	1 44	21 15	9 25	1 23	1 35	3 34	17 3	6 21	
T 15	3 14	3n51	0s44	9 51	0 5	10 18	1 14	20 25	0 58	16 34	1 18	5 9	2 19	23 26	0 16	9 32	1 44	21 15	9 25	1 23	1 33	3 35	17 4	6 21	
W16	2 51	8 16	2 4	9 49	0n10	9 51	1 15	20 17	0 59	16 33	1 18	5 11	2 19	23 26	0 16	9 32	1 44	21 14	9 25	1 23	1 32	3 37	17 4	6 20	
T 17	2 28	12 6	3 15	9 43	0 25	9 25	1 17	20 9	1 0	16 33	1 18	5 13	2 19	23 26	0 16	9 31	1 44	21 14	9 25	1 23	1 31	3 39	17 5	6 20	
F 18	2 4	15 5	4 11	9 34	0 38	8 58	1 18	20 1	1 0	16 32	1 18	5 14	2 19	23 26	0 16	9 31	1 44	21 13	9 26	1 23	1 30	3 41	17 5	6 19	
S 19	1 41	17 5	4 51	9 20	0 51	8 31	1 19	19 53	1 1	16 31	1 19	5 16	2 19	23 26	0 16	9 30	1 44	21 13	9 26	1 24	1 28	3 43	17 6	6 19	
S 20	1 18	18 2	5 13	9 3	1 2	8 3	1 20	19 44	1 2	16 31	1 19	5 18	2 19	23 26	0 16	9 30	1 44	21 12	9 26	1 24	1 27	3 44	17 6	6 18	
M21	0 55	17 58	5 17	8 42	1 12	7 35	1 21	19 36	1 3	16 30	1 19	5 20	2 20	23 25	0 16	9 29	1 44	21 12	9 26	1 24	1 26	3 46	17 7	6 18	
T 22	0 32	16 56	5 5	8 18	1 21	7 8	1 22	19 27	1 3	16 29	1 19	5 22	2 20	23 25	0 16	9 29	1 44	21 12	9 26	1 24	1 25	3 48	17 7	6 18	
W23	0 8	15 7	4 39	7 51	1 28	6 39	1 22	19 18	1 4	16 28	1 19	5 24	2 20	23 25	0 16	9 28	1 44	21 11	9 27	1 23	1 23	3 50	17 8	6 17	
T 24	0s15	12 37	4 0	7 20	1 35	6 11	1 23	19 9	1 5	16 27	1 19	5 25	2 20	23 25	0 16	9 28	1 44	21 11	9 27	1 23	1 22	3 51	17 8	6 17	
F 25	0 38	9 36	3 11	6 48	1 40	5 43	1 24	19 0	1 6	16 26	1 20	5 27	2 20	23 25	0 16	9 27	1 44	21 10	9 27	1 23	1 21	3 53	17 9	6 16	
S 26	1 2	6 13	2 14	6 12	1 44	5 14	1 25	18 51	1 6	16 25	1 20	5 29	2 20	23 25	0 16	9 26	1 44	21 10	9 27	1 23	1 20	3 55	17 9	6 16	
S 27	1 25	2 38	1 11	5 35	1 48	4 45	1 25	18 42	1 7	16 24	1 20	5 31	2 20	23 25	0 16	9 26	1 44	21 10	9 27	1 23	1 18	3 57	17 10	6 15	
M28	1 48	1s 3	0 6	4 56	1 50	4 16	1 26	18 33	1 8	16 23	1 20	5 32	2 20	23 25	0 16	9 25	1 44	21 9	9 28	1 23	1 17	3 59	17 10	6 15	
T 29	2 11	4 41	0n59	4 16	1 52	3 47	1 26	18 23	1 9	16 22	1 20	5 34	2 20	23 25	0 16	9 25	1 44	21 9	9 28	1 23	1 16	4 0	17 10	6 14	
W30	2s35	8s 8	2n 2	3n34	1n52	3n18	1n26	18n14	1n 9	16n21	1s20	5s36	2s19	23n25	0n16	9n24	1s44	21n 9	9n28	1s23	1s15	4s 2	17s11	6n14	

Julian Day Number = 2525201.5, Delta T = 164.63 sec  
Ecliptic obliquity = 23°24'38, Nutation = 0°00'02

# ASTRODIENST EPHEMERIS for the year 2201

## geocentric

OCTOBER 2201

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 37 28	7♂29'03	7♂♂50	27♂9	26♂16	12♂48	19♂R38	21♂R11	8♂20	28♂R46	27♂40	3♂R29	3♂5	12♂13	0♂13	T 1
F 2	0 41 25	8♂27'56	19♂46	28♂58	27♂30	13♂24	19♂S34	21♂H 7	8♂20	28♂Y44	27♂41	3♂28	3♂1	12♂19	0♂15	F 2
S 3	0 45 21	9♂26'51	1♂49	0♂46	28♂45	14♂1	19♂29	21♂3	8♂21	28♂43	27♂43	3♂27	2♂58	12♂26	0♂18	S 3
S 4	0 49 18	10♂25'48	14♂3	2♂35	29♂59	14♂37	19♂24	20♂59	8♂22	28♂41	27♂44	3♂27	2♂55	12♂33	0♂21	S 4
M 5	0 53 14	11♂24'47	26♂33	4♂24	1♂15	15♂13	19♂20	20♂54	8♂22	28♂39	27♂46	3♂26	2♂52	12♂39	0♂23	M 5
T 6	0 57 11	12♂23'47	9♂21	6♂13	2♂29	15♂49	19♂15	20♂50	8♂23	28♂38	27♂47	3♂D26	2♂49	12♂46	0♂26	T 6
W 7	1 1 7	13♂22'50	22♂31	8♂1	3♂44	16♂25	19♂9	20♂46	8♂23	28♂36	27♂49	3♂26	2♂45	12♂53	0♂29	W 7
T 8	1 5 4	14♂21'54	6♂5	9♂49	4♂59	17♂0	19♂4	20♂42	8♂23	28♂35	27♂50	3♂26	2♂42	12♂59	0♂32	T 8
F 9	1 9 0	15♂20'59	20♂6	11♂36	6♂14	17♂36	18♂59	20♂38	8♂24	28♂33	27♂52	3♂27	2♂39	13♂6	0♂35	F 9
S 10	1 12 57	16♂20'07	4♂32	13♂22	7♂29	18♂12	18♂53	20♂34	8♂24	28♂31	27♂53	3♂28	2♂36	13♂12	0♂38	S 10
S 11	1 16 54	17♂19'16	19♂20	15♂8	8♂43	18♂47	18♂47	20♂30	8♂24	28♂30	27♂54	3♂29	2♂33	13♂19	0♂41	S 11
M12	1 20 50	18♂18'27	4♂Y25	16♂54	9♂58	19♂23	18♂41	20♂27	8♂24	28♂28	27♂56	3♂R29	2♂30	13♂26	0♂44	M12
T 13	1 24 47	19♂17'40	19♂38	18♂38	11♂13	19♂58	18♂35	20♂23	8♂25	28♂26	27♂57	3♂29	2♂26	13♂32	0♂48	T 13
W14	1 28 43	20♂16'55	4♂S50	20♂22	12♂28	20♂33	18♂29	20♂19	8♂25	28♂25	27♂58	3♂28	2♂23	13♂39	0♂51	W14
T 15	1 32 40	21♂16'12	19♂51	22♂5	13♂43	21♂8	18♂23	20♂16	8♂R25	28♂23	28♂0	3♂26	2♂20	13♂46	0♂55	T 15
F 16	1 36 36	22♂15'32	4♂II33	23♂47	14♂58	21♂44	18♂16	20♂12	8♂25	28♂22	28♂1	3♂23	2♂17	13♂52	0♂58	F 16
S 17	1 40 33	23♂14'53	18♂50	25♂29	16♂13	22♂19	18♂9	20♂9	8♂24	28♂20	28♂2	3♂21	2♂14	13♂59	1♂2	S 17
S 18	1 44 29	24♂14'17	2♂S38	27♂10	17♂28	22♂53	18♂3	20♂5	8♂24	28♂18	28♂3	3♂19	2♂10	14♂6	1♂6	S 18
M19	1 48 26	25♂13'44	16♂0	28♂50	18♂43	23♂28	17♂56	20♂2	8♂24	28♂16	28♂4	3♂17	2♂7	14♂12	1♂9	M19
T 20	1 52 22	26♂13'12	28♂55	0♂M30	19♂58	24♂3	17♂49	19♂59	8♂24	28♂15	28♂6	3♂D17	2♂4	14♂19	1♂13	T 20
W21	1 56 19	27♂12'43	11♂J28	2♂9	21♂13	24♂38	17♂42	19♂55	8♂24	28♂13	28♂7	3♂18	2♂1	14♂26	1♂17	W21
T 22	2 0 16	28♂12'16	23♂44	3♂47	22♂28	25♂12	17♂34	19♂52	8♂23	28♂11	28♂8	3♂19	1♂58	14♂32	1♂21	T 22
F 23	2 4 12	29♂11'52	5♂H46	5♂24	23♂43	25♂47	17♂27	19♂49	8♂23	28♂10	28♂9	3♂21	1♂55	14♂39	1♂25	F 23
S 24	2 8 9	0♂M11'29	17♂39	7♂1	24♂58	26♂21	17♂20	19♂46	8♂22	28♂8	28♂10	3♂23	1♂51	14♂46	1♂29	S 24
S 25	2 12 5	1♂11'09	29♂27	8♂38	26♂13	26♂55	17♂12	19♂43	8♂22	28♂6	28♂11	3♂R24	1♂48	14♂52	1♂33	S 25
M26	2 16 2	2♂10'51	11♂J13	10♂13	27♂29	27♂29	17♂4	19♂41	8♂21	28♂5	28♂12	3♂23	1♂45	14♂59	1♂38	M26
T 27	2 19 58	3♂10'35	23♂1	11♂49	28♂44	28♂3	16♂57	19♂38	8♂21	28♂3	28♂13	3♂22	1♂42	15♂5	1♂42	T 27
W28	2 23 55	4♂10'21	4♂M53	13♂23	29♂59	28♂37	16♂49	19♂35	8♂20	28♂1	28♂14	3♂18	1♂39	15♂12	1♂46	W28
T 29	2 27 51	5♂10'09	16♂50	14♂57	1♂M14	29♂11	16♂41	19♂33	8♂19	28♂0	28♂15	3♂14	1♂36	15♂19	1♂51	T 29
F 30	2 31 48	6♂9'59	28♂54	16♂31	2♂29	29♂44	16♂33	19♂30	8♂18	27♂58	28♂16	3♂8	1♂32	15♂25	1♂55	F 30
S 31	2 35 45	7♂M9'50	11♂J8	18♂M4	3♂M44	0♂H18	16♂S25	19♂H28	8♂S18	27♂Y56	28♂J17	3♂2	1♂J29	15♂J32	2♂0	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	2s58	11s16	3n 0	2n51	1n52	2n49	1n27	18n 4	1n10	16n20	1s20	5s38	2s19	23n25	0n16	9n24
F 2	3 21	13 58	3 50	2 7	1 51	2 19	1 27	17 55	1 11	16 19	1 20	5 39	2 19	23 25	0 16	9 23
S 3	3 44	16 5	4 31	1 22	1 49	1 50	1 27	17 45	1 12	16 17	1 21	5 41	2 19	23 25	0 16	9 23
S 4	4 7	17 30	5 0	0 37	1 47	1 20	1 27	17 35	1 13	16 16	1 21	5 42	2 19	23 25	0 16	9 22
M 5	4 31	18 7	5 15	0s 9	1 45	0 50	1 27	17 25	1 13	16 14	1 21	5 44	2 19	23 25	0 16	9 21
T 6	4 54	17 50	5 16	0 55	1 41	0 21	1 27	17 15	1 14	16 13	1 21	5 46	2 19	23 25	0 16	9 21
W 7	5 17	16 36	5 0	1 41	1 38	0s 9	1 27	17 5	1 15	16 12	1 21	5 47	2 19	23 25	0 16	9 20
T 8	5 39	14 24	4 28	2 27	1 33	0 39	1 27	16 55	1 16	16 10	1 21	5 49	2 19	23 25	0 16	9 20
F 9	6 2	11 19	3 38	3 13	1 29	1 9	1 26	16 45	1 16	16 8	1 21	5 50	2 19	23 25	0 16	9 19
S 10	6 25	7 27	2 34	3 59	1 24	1 39	1 26	16 35	1 17	16 7	1 21	5 52	2 19	23 25	0 16	9 19
S 11	6 48	3 1	1 18	4 44	1 19	2 8	1 26	16 25	1 18	16 5	1 21	5 53	2 19	23 25	0 16	9 18
M12	7 10	1n41	0s 5	5 30	1 14	2 38	1 25	16 14	1 19	16 3	1 21	5 55	2 19	23 25	0 16	9 17
T 13	7 33	6 19	1 28	6 15	1 8	3 8	1 25	16 4	1 20	16 2	1 22	5 56	2 19	23 25	0 16	9 17
W14	7 55	10 31	2 45	6 59	1 2	3 38	1 24	15 53	1 20	16 0	1 22	5 57	2 19	23 25	0 16	9 16
T 15	8 17	14 0	3 49	7 43	0 56	4 7	1 24	15 43	1 21	15 58	1 22	5 59	2 19	23 25	0 16	9 16
F 16	8 39	16 29	4 37	8 27	0 50	4 37	1 23	15 32	1 22	15 56	1 22	6 0	2 19	23 25	0 17	9 15
S 17	9 1	17 52	5 6	9 10	0 43	5 6	1 22	15 22	1 23	15 54	1 22	6 1	2 18	23 25	0 17	9 14
S 18	9 23	18 7	5 16	9 53	0 37	5 36	1 21	15 11	1 23	15 52	1 22	6 3	2 18	23 25	0 17	9 14
M19	9 45	17 21	5 8	10 35	0 30	6 5	1 20	15 0	1 24	15 51	1 22	6 4	2 18	23 25	0 17	9 13
T 20	10 7	15 42	4 45	11 16	0 24	6 34	1 19	14 50	1 25	15 49	1 22	6 5	2 18	23 25	0 17	9 13
W21	10 28	13 20	4 9	11 56	0 17	7 3	1 18	14 39	1 26	15 47	1 22	6 6	2 18	23 25	0 17	9 12
T 22	10 49	10 25	3 22	12 36	0 10	7 32	1 17	14 28	1 27	15 45	1 22	6 7	2 18	23 25	0 17	9 11
F 23	11 11	7 7	2 26	13 15	0 3	8 1	1 16	14 17	1 27	15 42	1 22	6 8	2 18	23 25	0 17	9 11
S 24	11 32	3 34	1 26	13 54	0s 3	8 29	1 15	14 6	1 28	15 40	1 22	6 9	2 18	23 25	0 17	9 10
S 25	11 52	0s 7	0 22	14 31	0 10	8 58	1 14	13 55	1 29	15 38	1 22	6 10	2 18	23 26	0 17	9 10
M26	12 13	3 47	0n43	15 8	0 17	9 26	1 13	13 44	1 30	15 36	1 22	6 11	2 17	23 26	0 17	9 9
T 27	12 33	7 18	1 46	15 44	0 24	9 54	1 11	13 33	1 31	15 34	1 22	6 12	2 17	23 26	0 17	9 8
W28	12 54	10 33	2 44	16 20	0 31	10 22	1 10	13 22	1 32	15 32	1 22	6 13	2 17	23 26	0 17	9 8
T 29	13 14	13 24	3 36	16 54	0 37	10 49	1 8	13 11	1 32	15 30	1 22	6 14	2 17	23 26	0 17	9 7
F 30	13 34	15 41	4 18	17 27	0 44	11 16	1 7	13 0	1 33	15 27	1 22	6 15	2 17	23 26	0 17	9 7
S 31	13s53	17s19	4n49	18s 0	0s51	11s43	1n 5	12n49	1n34	15n25	1s22	6s16	2s17	23n26	0n17	9n 6

Julian Day Number = 2525231.5, Delta T = 164.71 sec  
 Ecliptic obliquity = 23°24'38", Nutation = 0°00'00", out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 27°33'35", Lahiri = 26°40'35"

ASTRODIENST EPHEMERIS for the year 2201  
geocentric

NOVEMBER 2201

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 39 41	8♈ 9'44	23♈32	19♈36	5♈ 0	0♈51	16°R17	19°R26	8°R17	27°R55	28♈18	2°R56	1♈26	15♈39	2♈ 5	S 1
M 2	2 43 38	9° 9'39	6♈ 8	21° 8	6°15	1°25	16♈ 9	19♈23	8♈16	27°Y53	28°19	2♈50	1°23	15°45	2° 9	M 2
T 3	2 47 34	10° 9'36	18°59	22°40	7°30	1°58	16° 1	19°21	8°15	27°51	28°19	2°47	1°20	15°52	2°14	T 3
W 4	2 51 31	11° 9'35	2♈ 6	24°11	8°45	2°31	15°53	19°19	8°14	27°50	28°20	2°45	1°16	15°59	2°19	W 4
T 5	2 55 27	12° 9'35	15°33	25°41	10° 1	3° 4	15°45	19°18	8°13	27°48	28°21	2°D44	1°13	16° 5	2°24	T 5
F 6	2 59 24	13° 9'37	29°20	27°11	11°16	3°37	15°37	19°16	8°12	27°47	28°22	2°45	1°10	16°12	2°29	F 6
S 7	3 3 20	14° 9'40	13♈29	28°41	12°31	4° 9	15°29	19°14	8°10	27°45	28°22	2°47	1° 7	16°19	2°34	S 7
S 8	3 7 17	15° 9'45	28° 0	0♈10	13°46	4°42	15°21	19°13	8° 9	27°43	28°23	2°R48	1° 4	16°25	2°39	S 8
M 9	3 11 14	16° 9'51	12°Y48	1°39	15° 2	5°14	15°12	19°11	8° 8	27°42	28°24	2°47	1° 1	16°32	2°44	M 9
T 10	3 15 10	17° 9'59	27°48	3° 7	16°17	5°47	15° 4	19°10	8° 7	27°40	28°24	2°45	0°57	16°39	2°49	T 10
W11	3 19 7	18°10'09	12♈53	4°34	17°32	6°19	14°56	19° 8	8° 5	27°39	28°25	2°41	0°54	16°45	2°54	W11
T 12	3 23 3	19°10'20	27°53	6° 1	18°47	6°51	14°48	19° 7	8° 4	27°37	28°25	2°34	0°51	16°52	2°59	T 12
F 13	3 27 0	20°10'33	12♈38	7°28	20° 3	7°23	14°40	19° 6	8° 2	27°36	28°26	2°27	0°48	16°58	3° 4	F 13
S 14	3 30 56	21°10'49	27° 2	8°54	21°18	7°54	14°32	19° 5	8° 1	27°34	28°26	2°19	0°45	17° 5	3°10	S 14
S 15	3 34 53	22°11'06	10♈59	10°19	22°33	8°26	14°24	19° 4	7°59	27°33	28°27	2°12	0°42	17°12	3°15	S 15
M16	3 38 49	23°11'25	24°28	11°43	23°49	8°58	14°16	19° 4	7°58	27°31	28°27	2° 6	0°38	17°18	3°21	M16
T 17	3 42 46	24°11'46	7♈29	13° 7	25° 4	9°29	14° 8	19° 3	7°56	27°30	28°28	2° 2	0°35	17°25	3°26	T 17
W18	3 46 43	25°12'08	20° 5	14°30	26°19	10° 0	14° 0	19° 2	7°55	27°28	28°28	2°D 1	0°32	17°32	3°32	W18
T 19	3 50 39	26°12'33	2♈20	15°52	27°35	10°31	13°52	19° 2	7°53	27°27	28°28	2° 1	0°29	17°38	3°37	T 19
F 20	3 54 36	27°12'59	14°21	17°12	28°50	11° 2	13°44	19° 1	7°51	27°25	28°29	2° 2	0°26	17°45	3°43	F 20
S 21	3 58 32	28°13'28	26°12	18°32	0♈ 5	11°33	13°37	19° 1	7°49	27°24	28°29	2°R 3	0°22	17°52	3°48	S 21
S 22	4 2 29	29°13'58	7♈59	19°50	1°21	12° 3	13°29	19° 1	7°48	27°23	28°29	2° 3	0°19	17°58	3°54	S 22
M23	4 6 25	0♈14'30	19°45	21° 7	2°36	12°34	13°22	19°D 1	7°46	27°21	28°30	2° 1	0°16	18° 5	4° 0	M23
T 24	4 10 22	1°15'03	1♈36	22°22	3°51	13° 4	13°14	19° 1	7°44	27°20	28°30	1°56	0°13	18°12	4° 5	T 24
W25	4 14 18	2°15'39	13°34	23°35	5° 7	13°34	13° 7	19° 1	7°42	27°19	28°30	1°49	0°10	18°18	4°11	W25
T 26	4 18 15	3°16'16	25°41	24°46	6°22	14° 4	13° 0	19° 2	7°40	27°17	28°30	1°40	0° 7	18°25	4°17	T 26
F 27	4 22 12	4°16'54	7♈59	25°55	7°38	14°33	12°53	19° 2	7°38	27°16	28°30	1°29	0° 3	18°32	4°23	F 27
S 28	4 26 8	5°17'34	20°29	27° 1	8°53	15° 3	12°46	19° 2	7°36	27°15	28°30	1°16	0° 0	18°38	4°29	S 28
S 29	4 30 5	6°18'15	3♈10	28° 3	10° 8	15°32	12°39	19° 3	7°34	27°14	28°30	1° 4	29°57	18°45	4°35	S 29
M30	4 34 1	7♈18'57	16♈ 2	29♈ 2	11♈24	16°11	12♈32	19♈ 4	7°32	27°Y12	28°R30	0♈54	29°54	18°52	4♈41	M30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	14s13	18s 8	5n 7	18s32	0s57	12s10	1n 4	12n38	1n35	15n23	1s22	6s16	2s17	23n26	0n17	9n 5	1s45	21n 3	9n37	1s10	0s34	4s59	17s23	6n 1					
M 2	14 32	18 6	5 11	19 3	1 4	12 37	1 2	12 27	1 36	15 21	1 22	6 17	2 16	23 26	0 17	9 5	1 45	21 3	9 38	1 8	0 33	5 1	17 23	6 0					
T 3	14 51	17 8	4 59	19 33	1 10	13 3	1 0	12 16	1 37	15 18	1 22	6 18	2 16	23 26	0 17	9 4	1 45	21 3	9 38	1 6	0 32	5 2	17 24	6 0					
W 4	15 10	15 15	4 32	20 1	1 16	13 28	0 59	12 5	1 38	15 16	1 22	6 19	2 16	23 26	0 17	9 4	1 45	21 3	9 38	1 5	0 30	5 4	17 24	6 0					
T 5	15 28	12 31	3 49	20 29	1 22	13 54	0 57	11 54	1 38	15 14	1 22	6 19	2 16	23 26	0 17	9 3	1 45	21 3	9 39	1 5	0 29	5 6	17 24	5 59					
F 6	15 46	9 0	2 52	20 56	1 28	14 19	0 55	11 43	1 39	15 12	1 22	6 20	2 16	23 26	0 17	9 3	1 45	21 4	9 39	1 6	0 28	5 8	17 24	5 59					
S 7	16 4	4 54	1 43	21 22	1 34	14 44	0 53	11 32	1 40	15 9	1 22	6 20	2 16	23 27	0 17	9 2	1 44	21 4	9 39	1 6	0 27	5 9	17 24	5 59					
S 8	16 22	0 24	0 26	21 47	1 40	15 8	0 51	11 21	1 41	15 7	1 21	6 21	2 16	23 27	0 17	9 2	1 44	21 4	9 40	1 7	0 25	5 11	17 25	5 59					
M 9	16 39	4n13	0s54	22 11	1 45	15 32	0 49	11 9	1 42	15 5	1 21	6 21	2 15	23 27	0 17	9 1	1 44	21 4	9 40	1 6	0 24	5 13	17 25	5 58					
T 10	16 56	8 38	2 11	22 34	1 50	15 56	0 47	10 58	1 43	15 3	1 21	6 21	2 15	23 27	0 17	9 0	1 44	21 4	9 40	1 6	0 23	5 15	17 25	5 58					
W11	17 13	12 31	3 20	22 55	1 55	16 19	0 45	10 47	1 44	15 0	1 21	6 22	2 15	23 27	0 17	9 0	1 44	21 4	9 41	1 4	0 22	5 16	17 25	5 58					
T 12	17 30	15 32	4 14	23 16	2 0	16 42	0 43	10 36	1 44	14 58	1 21	6 22	2 15	23 27	0 17	8 59	1 44	21 4	9 41	1 1	0 20	5 18	17 25	5 57					
F 13	17 46	17 29	4 50	23 35	2 5	17 4	0 41	10 25	1 45	14 56	1 21	6 22	2 15	23 27	0 17	8 59	1 44	21 4	9 41	0 58	0 19	5 20	17 25	5 57					
S 14	18 2	18 16	5 7	23 53	2 9	17 26	0 39	10 14	1 46	14 53	1 21	6 23	2 15	23 27	0 17	8 58	1 44	21 4	9 42	0 55	0 18	5 22	17 26	5 57					
S 15	18 18	17 54	5 4	24 10	2 13	17 47	0 37	10 3	1 47	14 51	1 21	6 23	2 14	23 27	0 17	8 58	1 44	21 5	9 42	0 52	0 16	5 23	17 26	5 57					
M16	18 33	16 31	4 45	24 26	2 17	18 8	0 35	9 52	1 48	14 49	1 21	6 23	2 14	23 27	0 17	8 57	1 44	21 5	9 43	0 50	0 15	5 25	17 26	5 56					
T 17	18 48	14 20	4 11	24 40	2 20	18 29	0 33	9 41	1 49	14 47	1 20	6 23	2 14	23 28	0 17	8 57	1 44	21 5	9 43	0 49	0 14	5 27	17 26	5 56					
W18	19 3	11 30	3 26	24 53	2 23	18 49	0 30	9 30	1 50	14 45	1 20	6 23	2 14	23 28	0 17	8 56	1 44	21 5	9 43	0 48	0 13	5 29	17 26	5 56					
T 19	19 17	8 15	2 33	25 5	2 26	19 8	0 28	9 19	1 51	14 42	1 20	6 23	2 14	23 28	0 17	8 56	1 44	21 5	9 44	0 48	0 11	5 30	17 26	5 56					
F 20	19 31	4 43	1 34	25 16	2 29	19 27	0 26	9 9	1 52	14 40	1 20	6 23	2 13	23 28	0 17	8 55	1 44	21 6	9 44	0 48	0 10	5 32	17 26	5 55					
S 21	19 44	1 2	0 31	25 25	2 30	19 46	0 24	8 58	1 53	14 38	1 20	6 23	2 13	23 28	0 17	8 55	1 44	21 6	9 44	0 49	0 9	5 34	17 26	5 55					
S 22	19 58	2s40	0n32	25 33	2 32	20 3	0 21	8 47	1 54	14 36	1 20	6 23	2 13	23 28	0 17	8 54	1 44	21 6	9 45	0 49	0 8	5 36	17 26	5 55					
M23	20 11	6 16	1 34	25 39	2 33	20 21	0 19	8 36	1 55	14 34	1 19	6 23	2 13	23 28	0 17	8 54	1 44	21 6	9 45	0 48	0 6	5 37	17 26	5 55					
T 24	20 23	9 39	2 31	25 44	2 33	20 37	0 17	8 25	1 56	14 32	1 19	6 23	2 13	23 28	0 17	8 54	1 44	21 6	9 45	0 46	0 5	5 39	17 26	5 55					
W25	20 35	12 40	3 23	25 48	2 33	20 54	0 14	8 15	1 56	14 30	1 19	6 22	2 13	23 29	0 17	8 53	1 44	21 7	9 46	0 43	0 4	5 41	17 26	5 54					
T 26	20 47	15 10	4 6	25 51	2 32	21 9	0 12	8 4	1 57	14 28	1 19	6 22	2 12	23 29	0 17	8 53	1 44	21 7	9 46	0 40	0 3	5 43	17 26	5 54					
F 27	20 58	17 2	4 38	25 52	2 31	21 24	0 10	7 54	1 58	14 26	1 19	6 22	2 12	23 29	0 17	8 52	1 44	21 7	9 46	0 35	0 1	5 44	17 26	5 54					
S 28	21 9	18 7	4 58	25 51	2 29	21 38	0 7	7 43	1 59	14 24	1 18	6 21	2 12	23 29	0 17	8 52	1 44	21 8	9 47	0 30	0 0	5 46	17 26	5 54					
S 29	21 20	18 20	5 3	25 50	2 26	21 52	0 5	7 33	2 0	14 22	1 18	6 21	2 12	23 29	0 17	8 51	1 44	21 8	9 47	0 26	0n 1	5 48	17 26	5 54					
M30	21s30	17s36	4n53	25s46	2s22	22s 5	0n 2	7n22	2n 1	14n21	1s18	6s20	2s12	23n29	0n17	8n51	1s44	21n 8	9n48	0s21	0n 2	5s50	17s26	5n54					

# ASTRODIENST EPHEMERIS for the year 2201

## geocentric

DECEMBER 2201

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 37 58	8°19'41	29°36	29°57	12°39	16°30	12°26	19°5	7°R30	27°R11	28°R30	0°R45	29°51	18°58	4°47	T 1
W 2	4 41 54	9°20'25	12°22	0°47	13°55	16°59	12°19	19°6	7°27	27°Y10	28°R30	0°39	29°48	19°5	4°53	W 2
T 3	4 45 51	10°21'11	25°51	1°32	15°10	17°28	12°13	19°7	7°25	27°9	28°30	0°36	29°44	19°12	4°59	T 3
F 4	4 49 47	11°21'57	9°33	2°11	16°25	17°56	12°7	19°8	7°23	27°8	28°30	0°D36	29°41	19°18	5°5	F 4
S 5	4 53 44	12°22'44	23°30	2°42	17°41	18°24	12°1	19°9	7°21	27°7	28°30	0°R36	29°38	19°25	5°11	S 5
S 6	4 57 41	13°23'32	7°41	3°6	18°56	18°52	11°55	19°10	7°18	27°6	28°30	0°36	29°35	19°31	5°17	S 6
M 7	5 1 37	14°24'21	22°7	3°22	20°11	19°20	11°49	19°12	7°16	27°5	28°30	0°34	29°32	19°38	5°23	M 7
T 8	5 5 34	15°25'11	6°43	3°R29	21°27	19°47	11°43	19°13	7°14	27°4	28°30	0°30	29°28	19°45	5°29	T 8
W 9	5 9 30	16°26'02	21°25	3°25	22°42	20°14	11°38	19°15	7°11	27°3	28°29	0°23	29°25	19°51	5°36	W 9
T 10	5 13 27	17°26'54	6°11	3°11	23°58	20°41	11°33	19°17	7°9	27°2	28°29	0°13	29°22	19°58	5°42	T 10
F 11	5 17 23	18°27'47	20°39	2°45	25°13	21°8	11°28	19°19	7°7	27°1	28°29	0°2	29°19	20°5	5°48	F 11
S 12	5 21 20	19°28'40	4°56	2°8	26°28	21°35	11°23	19°21	7°4	27°0	28°28	29°49	29°16	20°11	5°54	S 12
S 13	5 25 16	20°29'35	18°51	1°20	27°44	22°1	11°18	19°23	7°2	26°59	28°28	29°38	29°13	20°18	6°1	S 13
M14	5 29 13	21°30'31	2°21	0°22	28°59	22°27	11°14	19°25	6°59	26°58	28°28	29°28	29°9	20°25	6°7	M14
T 15	5 33 10	22°31'28	15°24	29°14	0°14	22°53	11°9	19°27	6°57	26°58	28°27	29°21	29°6	20°31	6°13	T 15
W16	5 37 6	23°32'26	28°4	27°59	1°30	23°19	11°5	19°30	6°55	26°57	28°27	29°16	29°3	20°38	6°19	W16
T 17	5 41 3	24°33'25	10°22	26°38	2°45	23°44	11°1	19°32	6°52	26°56	28°26	29°14	29°0	20°45	6°26	T 17
F 18	5 44 59	25°34'25	22°25	25°15	4°1	24°9	10°57	19°35	6°50	26°55	28°26	29°13	28°57	20°51	6°32	F 18
S 19	5 48 56	26°35'26	4°17	23°53	5°16	24°34	10°54	19°37	6°47	26°55	28°25	29°13	28°54	20°58	6°38	S 19
S 20	5 52 52	27°36'28	16°5	22°33	6°31	24°58	10°50	19°40	6°44	26°54	28°25	29°13	28°50	21°5	6°45	S 20
M21	5 56 49	28°37'31	27°53	21°19	7°47	25°23	10°47	19°43	6°42	26°53	28°24	29°10	28°47	21°11	6°51	M21
T 22	6 0 45	29°38'35	9°47	20°13	9°2	25°46	10°44	19°46	6°39	26°53	28°24	29°5	28°44	21°18	6°58	T 22
W23	6 4 42	0°39'40	21°50	19°16	10°18	26°10	10°41	19°49	6°37	26°52	28°23	28°57	28°41	21°25	7°4	W23
T 24	6 8 39	1°40'45	4°7	18°29	11°33	26°33	10°39	19°52	6°34	26°52	28°22	28°47	28°38	21°31	7°10	T 24
F 25	6 12 35	2°41'51	16°38	17°54	12°48	26°56	10°36	19°55	6°32	26°51	28°22	28°34	28°34	21°38	7°17	F 25
S 26	6 16 32	3°42'58	29°25	17°29	14°4	27°19	10°34	19°59	6°29	26°51	28°21	28°20	28°31	21°45	7°23	S 26
S 27	6 20 28	4°44'06	12°27	17°14	15°19	27°41	10°32	20°2	6°27	26°50	28°20	28°6	28°28	21°51	7°30	S 27
M28	6 24 25	5°45'13	25°42	17°D10	16°34	28°3	10°30	20°6	6°24	26°50	28°19	27°53	28°25	21°58	7°36	M28
T 29	6 28 21	6°46'21	9°9	17°16	17°50	28°25	10°29	20°9	6°21	26°50	28°19	27°43	28°22	22°5	7°42	T 29
W30	6 32 18	7°47'30	22°45	17°30	19°5	28°46	10°27	20°13	6°19	26°49	28°18	27°36	28°19	22°11	7°49	W30
T 31	6 36 15	8°48'38	6°29	17°52	20°21	29°7	10°26	20°17	6°16	26°49	28°17	27°32	28°15	22°18	7°55	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	21s40	15s57	4n27	25s42	2s17	22s17	0s0	7n12	2n2	14n19	1s18	6s20	2s11	23n29	0n18	8n51
W 2	21 49	13 26	3 47	25 36	2 11	22 29	0 2	7 2	2 3	14 17	1 18	6 19	2 11	23 30	0 18	8 50
T 3	21 58	10 10	2 54	25 29	2 5	22 40	0 5	6 51	2 4	14 15	1 17	6 19	2 11	23 30	0 18	8 50
F 4	22 7	6 17	1 49	25 20	1 57	22 50	0 7	6 41	2 5	14 14	1 17	6 18	2 11	23 30	0 18	8 50
S 5	22 15	2 0	0 38	25 10	1 48	23 0	0 10	6 31	2 6	14 12	1 17	6 18	2 11	23 30	0 18	8 49
S 6	22 23	2n28	0s38	24 59	1 37	23 9	0 12	6 21	2 7	14 10	1 17	6 17	2 10	23 30	0 18	8 49
M 7	22 30	6 52	1 52	24 47	1 25	23 17	0 14	6 11	2 8	14 9	1 16	6 16	2 10	23 30	0 18	8 49
T 8	22 37	10 55	2 59	24 34	1 12	23 25	0 17	6 2	2 10	14 7	1 16	6 15	2 10	23 30	0 18	8 48
W 9	22 43	14 19	3 55	24 19	0 57	23 32	0 19	5 52	2 11	14 6	1 16	6 15	2 10	23 31	0 18	8 48
T 10	22 49	16 47	4 35	24 4	0 41	23 38	0 22	5 42	2 12	14 5	1 16	6 14	2 10	23 31	0 18	8 48
F 11	22 55	18 9	4 57	23 47	0 24	23 43	0 24	5 33	2 13	14 3	1 15	6 13	2 10	23 31	0 18	8 47
S 12	23 0	18 20	5 0	23 29	0 6	23 48	0 26	5 23	2 14	14 2	1 15	6 12	2 9	23 31	0 18	8 47
S 13	23 4	17 23	4 44	23 10	0n14	23 52	0 29	5 14	2 15	14 1	1 15	6 11	2 9	23 31	0 18	8 47
M14	23 8	15 30	4 14	22 51	0 34	23 55	0 31	5 4	2 16	14 0	1 15	6 10	2 9	23 31	0 18	8 47
T 15	23 12	12 51	3 30	22 30	0 54	23 58	0 33	4 55	2 17	13 59	1 14	6 9	2 9	23 31	0 18	8 46
W16	23 15	9 40	2 37	22 10	1 14	24 0	0 35	4 46	2 18	13 58	1 14	6 8	2 9	23 32	0 18	8 46
T 17	23 18	6 9	1 38	21 49	1 33	24 1	0 38	4 37	2 19	13 57	1 14	6 6	2 8	23 32	0 18	8 46
F 18	23 20	2 27	0 36	21 28	1 51	24 1	0 40	4 28	2 20	13 56	1 13	6 5	2 8	23 32	0 18	8 46
S 19	23 22	1s17	0n27	21 9	2 8	24 0	0 42	4 19	2 21	13 55	1 13	6 4	2 8	23 32	0 18	8 45
S 20	23 23	4 58	1 28	20 50	2 22	23 59	0 44	4 11	2 23	13 54	1 13	6 3	2 8	23 32	0 18	8 45
M21	23 24	8 26	2 26	20 34	2 34	23 57	0 46	4 2	2 24	13 53	1 13	6 2	2 8	23 32	0 18	8 45
T 22	23 25	11 36	3 17	20 20	2 44	23 55	0 48	3 54	2 25	13 53	1 12	6 0	2 8	23 32	0 18	8 45
W23	23 25	14 20	4 0	20 8	2 51	23 51	0 51	3 45	2 26	13 52	1 12	5 59	2 7	23 33	0 18	8 45
T 24	23 24	16 28	4 33	19 59	2 56	23 47	0 53	3 37	2 27	13 52	1 12	5 57	2 7	23 33	0 18	8 45
F 25	23 23	17 52	4 54	19 53	2 59	23 42	0 55	3 29	2 28	13 51	1 11	5 56	2 7	23 33	0 18	8 45
S 26	23 21	18 25	5 0	19 50	3 0	23 36	0 57	3 21	2 30	13 51	1 11	5 55	2 7	23 33	0 18	8 44
S 27	23 20	18 0	4 51	19 50	2 59	23 30	0 58	3 13	2 31	13 50	1 11	5 53	2 7	23 33	0 18	8 44
M28	23 17	16 37	4 26	19 52	2 57	23 23	1 0	3 6	2 32	13 50	1 11	5 51	2 7	23 33	0 18	8 44
T 29	23 14	14 19	3 46	19 56	2 53	23 15	1 2	2 58	2 33	13 50	1 10	5 50	2 6	23 33	0 18	8 44
W30	23 11	11 11	2 53	20 2	2 48	23 7	1 4	2 51	2 34	13 50	1 10	5 48	2 6	23 33	0 18	8 44
T 31	23s7	7s26	1n49	20s10	2n42	22s57	1s6	2n44	2n36	13n50	1s10	5s47	2s6	23n34	0n18	8n44

Julian Day Number = 2525292.5, Delta T = 164.88 sec  
 Ecliptic obliquity = 23°24'37", Nutation = - 0°00'01", out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 27°33'43", Lahiri = 26°40'44"