



Astrodienst Ephemeris Tables for the year 2208

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 2208
geocentric

JANUARY 2208

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 38 23	9♂22'00	5♂21	29°R20	14♂10	19♂7	23♂59	10°R13	4°R42	10°R25	9°R34	3°R55	2♂11	26♂29	18♂33	F 1
S 2	6 42 20	10°23'07	17° 8	28♂25	15°25	19°46	24°10	10♂9	4♂39	10♂25	9♂33	3♂54	2° 8	26°36	18°37	S 2
S 3	6 46 16	11°24'14	28°56	27°40	16°40	20°24	24°21	10° 6	4°37	10°24	9°33	3°51	2° 4	26°43	18°40	S 3
M 4	6 50 13	12°25'22	10♂47	27° 5	17°55	21° 2	24°32	10° 2	4°35	10°23	9°32	3°46	2° 1	26°49	18°44	M 4
T 5	6 54 9	13°26'29	22°42	26°40	19° 9	21°41	24°42	9°58	4°32	10°23	9°31	3°40	1°58	26°56	18°48	T 5
W 6	6 58 6	14°27'37	4♂43	26°26	20°24	22°19	24°53	9°54	4°30	10°22	9°31	3°32	1°55	27° 3	18°52	W 6
T 7	7 2 2	15°28'45	16°52	26°D22	21°39	22°58	25° 4	9°51	4°27	10°22	9°30	3°23	1°52	27° 9	18°56	T 7
F 8	7 5 59	16°29'52	29°10	26°26	22°54	23°36	25°14	9°47	4°25	10°21	9°29	3°16	1°48	27°16	19° 0	F 8
S 9	7 9 55	17°31'00	11♂39	26°39	24° 9	24°14	25°24	9°44	4°23	10°21	9°28	3° 9	1°45	27°23	19° 4	S 9
S 10	7 13 52	18°32'08	24°21	27° 0	25°24	24°53	25°35	9°41	4°20	10°21	9°27	3° 4	1°42	27°29	19° 8	S 10
M 11	7 17 49	19°33'17	7♂18	27°28	26°39	25°31	25°45	9°38	4°18	10°20	9°27	3° 1	1°39	27°36	19°13	M 11
T 12	7 21 45	20°34'25	20°34	28° 2	27°54	26° 9	25°55	9°35	4°15	10°20	9°26	3°D 0	1°36	27°43	19°17	T 12
W 13	7 25 42	21°35'34	4♂11	28°42	29° 9	26°48	26° 5	9°31	4°13	10°19	9°25	3° 1	1°33	27°49	19°21	W 13
T 14	7 29 38	22°36'43	18°10	29°26	0♂24	27°26	26°15	9°29	4°10	10°19	9°24	3° 2	1°29	27°56	19°25	T 14
F 15	7 33 35	23°37'52	2♂32	0♂16	1°39	28° 5	26°25	9°26	4° 7	10°19	9°23	3°R 3	1°26	28° 2	19°29	F 15
S 16	7 37 31	24°39'01	17°15	1° 9	2°54	28°43	26°34	9°23	4° 5	10°19	9°22	3° 2	1°23	28° 9	19°34	S 16
S 17	7 41 28	25°40'10	2♂14	2° 6	4° 9	29°21	26°44	9°20	4° 2	10°19	9°21	2°59	1°20	28°16	19°38	S 17
M 18	7 45 25	26°41'18	17°21	3° 7	5°24	29°59	26°54	9°18	4° 0	10°18	9°20	2°53	1°17	28°22	19°42	M 18
T 19	7 49 21	27°42'27	2♂28	4°10	6°39	0♂38	27° 3	9°15	3°57	10°18	9°19	2°45	1°14	28°29	19°46	T 19
W 20	7 53 18	28°43'35	17°23	5°16	7°54	1°16	27°12	9°13	3°55	10°18	9°18	2°36	1°10	28°36	19°51	W 20
T 21	7 57 14	29°44'42	1♂59	6°24	9° 9	1°55	27°21	9°11	3°52	10°D18	9°17	2°27	1° 7	28°42	19°55	T 21
F 22	8 1 11	0♂45'48	16° 8	7°35	10°24	2°33	27°30	9° 9	3°49	10°18	9°16	2°18	1° 4	28°49	20° 0	F 22
S 23	8 5 7	1°46'54	29°49	8°47	11°39	3°11	27°39	9° 7	3°47	10°18	9°14	2°12	1° 1	28°56	20° 4	S 23
S 24	8 9 4	2°47'59	13°Y 0	10° 1	12°54	3°50	27°48	9° 5	3°44	10°18	9°13	2° 7	0°58	29° 2	20° 8	S 24
M 25	8 13 0	3°49'03	25°44	11°17	14°10	4°28	27°57	9° 3	3°41	10°18	9°12	2° 5	0°54	29° 9	20°13	M 25
T 26	8 16 57	4°50'06	8♂7	12°34	15°25	5° 6	28° 5	9° 1	3°39	10°19	9°11	2°D 5	0°51	29°16	20°17	T 26
W 27	8 20 54	5°51'08	20°13	13°53	16°40	5°45	28°14	9° 0	3°36	10°19	9°10	2° 6	0°48	29°22	20°22	W 27
T 28	8 24 50	6°52'09	2♂7	15°12	17°55	6°23	28°22	8°58	3°34	10°19	9° 8	2°R 6	0°45	29°29	20°26	T 28
F 29	8 28 47	7°53'10	13°55	16°33	19°10	7° 1	28°30	8°57	3°31	10°19	9° 7	2° 5	0°42	29°36	20°31	F 29
S 30	8 32 43	8°54'09	25°42	17°55	20°25	7°39	28°38	8°55	3°28	10°20	9° 6	2° 2	0°39	29°42	20°35	S 30
S 31	8 36 40	9♂55'07	7♂31	19♂19	21♂40	8♂18	28♂46	8♂54	3♂26	10♂20	9♂5	1♂57	0♂35	29♂49	20♂40	S 31

Day	☉	☾		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	23s 5	21n18	0n 8	20s23	3n 2	21s25	1n 4	16s47	0n43	17s49	0n57	20n 8	1s51	19n40	0n37	13n14	1s47	19n29	12n28	20n55	20n34	25n29	9s18	6n15			
S 2	23 0	23 59	1 12	20 18	3 6	21 36	1 1	16 58	0 43	17 52	0 58	20 8	1 51	19 40	0 37	13 14	1 47	19 30	12 28	20 54	20 34	25 30	9 17	6 15			
S 3	22 55	25 37	2 12	20 15	3 9	21 46	0 59	17 9	0 42	17 54	0 58	20 7	1 50	19 41	0 37	13 14	1 47	19 30	12 29	20 54	20 33	25 31	9 16	6 15			
M 4	22 50	26 5	3 7	20 14	3 9	21 55	0 57	17 19	0 42	17 57	0 58	20 7	1 50	19 41	0 37	13 14	1 47	19 31	12 29	20 53	20 33	25 32	9 15	6 15			
T 5	22 44	25 21	3 54	20 15	3 7	22 4	0 54	17 30	0 41	17 59	0 58	20 6	1 50	19 42	0 37	13 14	1 47	19 32	12 30	20 52	20 32	25 33	9 14	6 14			
W 6	22 38	23 27	4 31	20 18	3 4	22 12	0 52	17 40	0 41	18 2	0 58	20 6	1 50	19 43	0 37	13 14	1 47	19 32	12 30	20 50	20 31	25 34	9 13	6 14			
T 7	22 31	20 28	4 56	20 23	2 59	22 20	0 49	17 50	0 40	18 4	0 58	20 6	1 50	19 43	0 37	13 14	1 47	19 33	12 30	20 49	20 31	25 35	9 12	6 14			
F 8	22 24	16 33	5 8	20 29	2 53	22 27	0 47	18 0	0 40	18 7	0 58	20 6	1 49	19 44	0 37	13 13	1 46	19 34	12 31	20 47	20 30	25 36	9 11	6 14			
S 9	22 16	11 53	5 5	20 36	2 47	22 33	0 44	18 10	0 39	18 9	0 58	20 5	1 49	19 44	0 37	13 13	1 46	19 34	12 31	20 46	20 29	25 37	9 10	6 13			
S 10	22 8	6 39	4 48	20 44	2 39	22 38	0 42	18 20	0 39	18 12	0 58	20 5	1 49	19 45	0 37	13 13	1 46	19 35	12 32	20 45	20 29	25 38	9 9	6 13			
M 11	21 59	1 1	4 15	20 52	2 31	22 43	0 39	18 30	0 38	18 14	0 58	20 5	1 49	19 46	0 37	13 13	1 46	19 36	12 32	20 44	20 28	25 39	9 8	6 13			
T 12	21 50	4s48	3 29	21 1	2 23	22 47	0 37	18 39	0 38	18 16	0 58	20 5	1 48	19 46	0 37	13 13	1 46	19 36	12 32	20 44	20 27	25 40	9 7	6 13			
W 13	21 41	10 33	2 29	21 11	2 14	22 51	0 34	18 49	0 37	18 19	0 58	20 4	1 48	19 47	0 37	13 13	1 46	19 37	12 33	20 44	20 27	25 41	9 6	6 12			
T 14	21 31	15 57	1 19	21 20	2 5	22 53	0 31	18 58	0 37	18 21	0 58	20 4	1 48	19 47	0 37	13 13	1 46	19 38	12 33	20 45	20 26	25 42	9 5	6 12			
F 15	21 21	20 36	0 3	21 29	1 56	22 55	0 29	19 7	0 36	18 23	0 58	20 4	1 48	19 48	0 37	13 13	1 46	19 38	12 33	20 45	20 26	25 42	9 4	6 12			
S 16	21 10	24 4	1s16	21 38	1 46	22 57	0 26	19 16	0 36	18 25	0 59	20 4	1 48	19 49	0 37	13 13	1 46	19 39	12 34	20 44	20 25	25 43	9 3	6 12			
S 17	20 59	25 54	2 30	21 47	1 37	22 57	0 24	19 25	0 35	18 27	0 59	20 4	1 47	19 49	0 37	13 13	1 46	19 40	12 34	20 44	20 24	25 44	9 2	6 12			
M 18	20 48	25 50	3 35	21 55	1 27	22 57	0 21	19 34	0 35	18 29	0 59	20 3	1 47	19 50	0 37	13 13	1 46	19 40	12 34	20 43	20 24	25 45	9 0	6 11			
T 19	20 36	23 52	4 24	22 3	1 18	22 57	0 18	19 42	0 34	18 31	0 59	20 3	1 47	19 51	0 37	13 13	1 46	19 41	12 35	20 41	20 23	25 46	8 59	6 11			
W 20	20 24	20 17	4 55	22 10	1 8	22 55	0 16	19 51	0 33	18 33	0 59	20 3	1 47	19 51	0 37	13 13	1 46	19 42	12 35	20 39	20 22	25 47	8 58	6 11			
T 21	20 11	15 30	5 5	22 17	0 59	22 53	0 13	19 59	0 33	18 35	0 59	20 3	1 46	19 52	0 37	13 13	1 46	19 42	12 35	20 38	20 22	25 48	8 57	6 11			
F 22	19 58	10 1	4 57	22 22	0 50	22 50	0 10	20 7	0 32	18 37	0 59	20 3	1 46	19 52	0 37	13 13	1 46	19 43	12 36	20 36	20 21	25 49	8 56	6 11			
S 23	19 45	4 13	4 31	22 27	0 41	22 46	0 8	20 15	0 32	18 39	0 59	20 3	1 46	19 53	0 37	13 13	1 46	19 44	12 36	20 35	20 20	25 49	8 55	6 11			
S 24	19 31	1n34	3 52	22 31	0 32	22 42	0 5	20 23	0 31	18 41	0 59	20 3	1 46	19 54	0 37	13 13	1 46	19 45	12 36	20 34	20 20	25 50	8 53	6 10			
M 25	19 17	7 7	3 2	22 33	0 23	22 37	0 3	20 31	0 30	18 43	0 59	20 3	1 45	19 54	0 37	13 14	1 45	19 45	12 37	20 33	20 19	25 51	8 52	6 10			
T 26	19 2	12 14	2 5	22 35	0 14	22 32	0s 0	20 38	0 30	18 45	0 59	20 3	1 45	19 55	0 37	13 14	1 45	19 46	12 37	20 33	20 18	25 52	8 51	6 10			
W 27	18 47	16 46	1 3	22 36	0 6	22 25	0 3	20 46	0 29	18 47	0 59	20 3	1 45	19 56	0 37	13 14	1 45	19 47	12 37	20 33	20 18	25 53	8 50	6 10			
T 28	18 32	20 34	0n 0	22 35	0s 3	22 18	0 5	20 53	0 29	18 48	1 0	20 3	1 45	19 56	0 37	13 14	1 45	19 48	12 37	20 34	20 17	25 53	8 48	6 10			
F 29	18 17	23 29	1 3	22 34	0 11	22 11	0 8	21 0	0 28	18 50	1 0	20 3	1 44	19 57	0 37	13 14	1 45	19 48	12 38	20 33	20 16	25 54	8 47	6 10			
S 30	18 1	25 23	2 2	22 31	0 19	22 2	0 10	21 7	0 27	18 52	1 0	20 3	1 44	19 57	0 37	13 14	1 45	19 49	12 38	20 33	20 16	25 55	8 46	6 10			
S 31	17s45	26n 8	2n57	22s27	0s26	21s53	0s13	21s14	0n27	18s53	1n 0	20n 3	1s44	19n58	0n37	13n14	1s45	19n50	12n38	20n32	20n15	25n56	8s45	6n 9			

ASTRODIENST EPHEMERIS for the year 2208
geocentric

FEBRUARY 2208

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	8 40 36	10 ⁵⁶ 05	19 ²⁶ 26	20 ³⁴ 43	22 ⁵⁵ 55	8 ⁵⁶ 56	28 ⁵⁴ 54	8 ⁵³ 53	3 ²³ 23	10 ²⁰ 20	9 ³ 3	1 ⁴⁸ 48	0 ³² 32	29 ⁵⁶ 56	20 ⁴⁴ 44	M 1
T 2	8 44 33	11 ⁵⁷ 01	1 ²⁹ 29	22 ⁸ 8	24 ¹⁰ 10	9 ³⁴ 34	29 ² 2	8 ⁵² 52	3 ²¹ 21	10 ²¹ 21	9 ² 2	1 ³⁷ 37	0 ²⁹ 29	0 ² 2	20 ⁴⁹ 49	T 2
W 3	8 48 29	12 ⁵⁷ 56	13 ⁴² 42	23 ³⁴ 34	25 ²⁵ 25	10 ¹² 12	29 ⁹ 9	8 ⁵¹ 51	3 ¹⁸ 18	10 ²¹ 21	9 ¹ 1	1 ²⁵ 25	0 ²⁶ 26	0 ⁹ 9	20 ⁵³ 53	W 3
T 4	8 52 26	13 ⁵⁸ 51	26 ⁵ 5	25 ¹ 1	26 ⁴⁰ 40	10 ⁵¹ 51	29 ¹⁷ 17	8 ⁵¹ 51	3 ¹⁵ 15	10 ²¹ 21	8 ⁵⁹ 59	1 ¹¹ 11	0 ²³ 23	0 ¹⁶ 16	20 ⁵⁸ 58	T 4
F 5	8 56 23	14 ⁵⁹ 44	8 ³⁹ 39	26 ²⁸ 28	27 ⁵⁵ 55	11 ²⁹ 29	29 ²⁴ 24	8 ⁵⁰ 50	3 ¹³ 13	10 ²² 22	8 ⁵⁸ 58	0 ⁵⁸ 58	0 ²⁰ 20	0 ²² 22	21 ² 2	F 5
S 6	9 0 19	16 ⁰ 37	21 ²⁴ 24	27 ⁵⁷ 57	29 ¹⁰ 10	12 ⁷ 7	29 ³¹ 31	8 ⁵⁰ 50	3 ¹⁰ 10	10 ²² 22	8 ⁵⁷ 57	0 ⁴⁶ 46	0 ¹⁶ 16	0 ²⁹ 29	21 ⁷ 7	S 6
S 7	9 4 16	17 ¹ 28	4 ¹⁹ 19	29 ²⁶ 26	0 ²⁵ 25	12 ⁴⁵ 45	29 ³⁸ 38	8 ⁴⁹ 49	3 ⁸ 8	10 ²³ 23	8 ⁵⁵ 55	0 ³⁷ 37	0 ¹³ 13	0 ³⁶ 36	21 ¹¹ 11	S 7
M 8	9 8 12	18 ² 19	17 ²⁷ 27	0 ⁵⁶ 56	1 ⁴⁰ 40	13 ²⁴ 24	29 ⁴⁵ 45	8 ⁴⁹ 49	3 ⁵ 5	10 ²⁴ 24	8 ⁵⁴ 54	0 ³¹ 31	0 ¹⁰ 10	0 ⁴² 42	21 ¹⁶ 16	M 8
T 9	9 12 9	19 ³ 09	0 ⁴⁷ 47	2 ²⁷ 27	2 ⁵⁵ 55	14 ² 2	29 ⁵² 52	8 ⁴⁹ 49	3 ³ 3	10 ²⁴ 24	8 ⁵² 52	0 ²⁸ 28	0 ⁷ 7	0 ⁴⁹ 49	21 ²¹ 21	T 9
W10	9 16 5	20 ³ 58	14 ²¹ 21	3 ⁵⁹ 59	4 ¹⁰ 10	14 ⁴⁰ 40	29 ⁵⁸ 58	8 ⁴⁹ 49	3 ⁰ 0	10 ²⁵ 25	8 ⁵¹ 51	0 ²⁷ 27	0 ⁴ 4	0 ⁵⁶ 56	21 ²⁵ 25	W10
T 11	9 20 2	21 ⁴ 46	28 ¹¹ 11	5 ³¹ 31	5 ²⁶ 26	15 ¹⁸ 18	0 ⁴ 4	8 ⁴⁹ 49	2 ⁵⁸ 58	10 ²⁶ 26	8 ⁵⁰ 50	0 ²⁷ 27	0 ⁰ 0	1 ² 2	21 ³⁰ 30	T 11
F 12	9 23 58	22 ⁵ 33	12 ¹⁷ 17	7 ⁵ 5	6 ⁴¹ 41	15 ⁵⁶ 56	0 ¹¹ 11	8 ⁴⁹ 49	2 ⁵⁵ 55	10 ²⁶ 26	8 ⁴⁸ 48	0 ²⁶ 26	29 ⁵⁷ 57	1 ⁹ 9	21 ³⁴ 34	F 12
S 13	9 27 55	23 ⁶ 20	26 ³⁹ 39	8 ³⁹ 39	7 ⁵⁶ 56	16 ³⁴ 34	0 ¹⁷ 17	8 ⁴⁹ 49	2 ⁵³ 53	10 ²⁷ 27	8 ⁴⁷ 47	0 ²⁴ 24	29 ⁵⁴ 54	1 ¹⁶ 16	21 ³⁹ 39	S 13
S 14	9 31 52	24 ⁷ 05	11 ³⁴ 34	10 ¹⁴ 14	9 ¹¹ 11	17 ¹² 12	0 ²³ 23	8 ⁵⁰ 50	2 ⁵¹ 51	10 ²⁸ 28	8 ⁴⁵ 45	0 ²⁰ 20	29 ⁵¹ 51	1 ²² 22	21 ⁴³ 43	S 14
M15	9 35 48	25 ⁷ 50	25 ⁵⁹ 59	11 ⁴⁹ 49	10 ²⁶ 26	17 ⁵¹ 51	0 ²⁹ 29	8 ⁵⁰ 50	2 ⁴⁸ 48	10 ²⁹ 29	8 ⁴⁴ 44	0 ¹² 12	29 ⁴⁸ 48	1 ²⁹ 29	21 ⁴⁸ 48	M15
T 16	9 39 45	26 ⁸ 33	10 ⁴⁵ 45	13 ²⁶ 26	11 ⁴¹ 41	18 ²⁹ 29	0 ³⁴ 34	8 ⁵¹ 51	2 ⁴⁶ 46	10 ³⁰ 30	8 ⁴² 42	0 ² 2	29 ⁴⁵ 45	1 ³⁶ 36	21 ⁵² 52	T 16
W17	9 43 41	27 ⁹ 15	25 ²⁶ 26	15 ³ 3	12 ⁵⁶ 56	19 ⁷ 7	0 ⁴⁰ 40	8 ⁵² 52	2 ⁴⁴ 44	10 ³⁰ 30	8 ⁴¹ 41	29 ⁵⁰ 50	29 ⁴¹ 41	1 ⁴² 42	21 ⁵⁷ 57	W17
T 18	9 47 38	28 ⁹ 55	9 ⁵³ 53	16 ⁴¹ 41	14 ¹¹ 11	19 ⁴⁵ 45	0 ⁴⁵ 45	8 ⁵³ 53	2 ⁴¹ 41	10 ³¹ 31	8 ³⁹ 39	29 ³⁸ 38	29 ³⁸ 38	1 ⁴⁹ 49	22 ² 2	T 18
F 19	9 51 34	29 ¹⁰ 34	23 ⁵⁹ 59	18 ²⁰ 20	15 ²⁶ 26	20 ²³ 23	0 ⁵⁰ 50	8 ⁵⁴ 54	2 ³⁹ 39	10 ³² 32	8 ³⁸ 38	29 ²⁶ 26	29 ³⁵ 35	1 ⁵⁶ 56	22 ⁶ 6	F 19
S 20	9 55 31	0 ¹¹ 11	7 ⁴⁰ 40	20 ⁰ 0	16 ⁴¹ 41	21 ¹ 1	0 ⁵⁵ 55	8 ⁵⁵ 55	2 ³⁷ 37	10 ³³ 33	8 ³⁶ 36	29 ¹⁷ 17	29 ³² 32	2 ² 2	22 ¹¹ 11	S 20
S 21	9 59 27	1 ¹¹ 47	20 ⁵⁵ 55	21 ⁴¹ 41	17 ⁵⁶ 56	21 ³⁹ 39	1 ⁰ 0	8 ⁵⁶ 56	2 ³⁵ 35	10 ³⁴ 34	8 ³⁵ 35	29 ¹⁰ 10	29 ²⁹ 29	2 ⁹ 9	22 ¹⁵ 15	S 21
M22	10 3 24	2 ¹² 21	3 ⁴³ 43	23 ²² 22	19 ¹¹ 11	22 ¹⁷ 17	1 ⁵ 5	8 ⁵⁷ 57	2 ³² 32	10 ³⁵ 35	8 ³³ 33	29 ⁵ 5	29 ²⁵ 25	2 ¹⁶ 16	22 ²⁰ 20	M22
T 23	10 7 21	3 ¹² 54	16 ¹⁰ 10	25 ⁵ 5	20 ²⁶ 26	22 ⁵⁵ 55	1 ⁹ 9	8 ⁵⁹ 59	2 ³⁰ 30	10 ³⁶ 36	8 ³² 32	29 ³ 3	29 ²² 22	2 ²² 22	22 ²⁴ 24	T 23
W24	10 11 17	4 ¹³ 24	28 ¹⁹ 19	26 ⁴⁸ 48	21 ⁴¹ 41	23 ³³ 33	1 ¹³ 13	9 ⁰ 0	2 ²⁸ 28	10 ³⁸ 38	8 ³⁰ 30	29 ³ 3	29 ¹⁹ 19	2 ²⁹ 29	22 ²⁹ 29	W24
T 25	10 15 14	5 ¹³ 53	10 ¹⁵ 15	28 ³² 32	22 ⁵⁶ 56	24 ¹¹ 11	1 ¹⁷ 17	9 ² 2	2 ²⁶ 26	10 ³⁹ 39	8 ²⁹ 29	29 ³ 3	29 ¹⁶ 16	2 ³⁶ 36	22 ³³ 33	T 25
F 26	10 19 10	6 ¹⁴ 20	22 ⁴ 4	0 ¹⁸ 18	24 ¹¹ 11	24 ⁴⁹ 49	1 ²¹ 21	9 ⁴ 4	2 ²⁴ 24	10 ⁴⁰ 40	8 ²⁷ 27	29 ² 2	29 ¹³ 13	2 ⁴² 42	22 ³⁸ 38	F 26
S 27	10 23 7	7 ¹⁴ 45	3 ⁵² 52	2 ⁴ 4	25 ²⁶ 26	25 ²⁶ 26	1 ²⁵ 25	9 ⁶ 6	2 ²² 22	10 ⁴¹ 41	8 ²⁵ 25	28 ⁵⁹ 59	29 ¹⁰ 10	2 ⁴⁹ 49	22 ⁴² 42	S 27
S 28	10 27 3	8 ¹⁵ 08	15 ⁴⁴ 44	3 ⁵¹ 51	26 ⁴¹ 41	26 ⁴ 4	1 ²⁹ 29	9 ⁷ 7	2 ²⁰ 20	10 ⁴² 42	8 ²⁴ 24	28 ⁵⁴ 54	29 ⁶ 6	2 ⁵⁶ 56	22 ⁴⁶ 46	S 28
M29	10 31 0	9 ¹⁵ 29	27 ⁵⁴ 54	5 ³⁹ 39	27 ⁵⁶ 56	26 ⁴² 42	1 ³² 32	9 ¹⁰ 10	2 ¹⁸ 18	10 ⁴⁴ 44	8 ²² 22	28 ⁴⁶ 46	29 ³ 3	3 ⁵² 52	22 ⁵¹ 51	M29

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	17s28	25n42	3n44	22s22	0s34	21s43	0s15	21s20	0n26	18s55	1n 0	20n 3	1s44	19n59	0n37	13n14	1s45	19n51	12n39	20n30	20n14	25n57	8s43	6n 9	
T 2	17 11	24 3	4 21	22 16	0 41	21 33	0 18	21 27	0 25	18 57	1 0	20 3	1 43	19 59	0 37	13 15	1 45	19 51	12 39	20 28	20 14	25 57	8 42	6 9	
W 3	16 54	21 16	4 47	22 9	0 48	21 22	0 20	21 33	0 25	18 58	1 0	20 3	1 43	20 0	0 37	13 15	1 45	19 52	12 39	20 25	20 13	25 58	8 41	6 9	
T 4	16 37	17 30	5 0	22 0	0 55	21 10	0 23	21 39	0 24	19 0	1 0	20 4	1 43	20 0	0 37	13 15	1 45	19 53	12 39	20 22	20 12	25 59	8 39	6 9	
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S 6	16 1	7 44	4 42	21 39	1 7	20 45	0 28	21 51	0 22	19 2	1 1	20 4	1 42	20 2	0 37	13 15	1 45	19 54	12 40	20 17	20 11	26 0	8 37	6 9	
S 7	15 43	2 8	4 11	21 27	1 13	20 32	0 30	21 57	0 22	19 4	1 1	20 4	1 42	20 2	0 37	13 16	1 45	19 55	12 40	20 16	20 10	26 1	8 35	6 9	
M 8	15 24	3s40	3 27	21 13	1 19	20 18	0 32	22 2	0 21	19 5	1 1	20 4	1 42	20 3	0 37	13 16	1 45	19 56	12 40	20 14	20 10	26 2	8 34	6 9	
T 9	15 6	9 23	2 30	20 58	1 24	20 3	0 35	22 7	0 20	19 6	1 1	20 4	1 42	20 3	0 37	13 16	1 45	19 56	12 40	20 14	20 9	26 3	8 33	6 9	
W10	14 47	14 47	1 24	20 41	1 30	19 47	0 37	22 13	0 20	19 8	1 1	20 5	1 41	20 4	0 37	13 16	1 44	19 57	12 41	20 13	20 8	26 3	8 31	6 9	
T 11	14 27	19 32	0 12	20 24	1 34	19 32	0 39	22 18	0 19	19 9	1 1	20 5	1 41	20 4	0 37	13 17	1 44	19 58	12 41	20 13	20 8	26 4	8 30	6 9	
F 12	14 8	23 16	1s 2	20 5	1 39	19 15	0 41	22 22	0 18	19 10	1 1	20 5	1 41	20 5	0 37	13 17	1 44	19 59	12 41	20 13	20 7	26 5	8 28	6 9	
S 13	13 48	25 36	2 14	19 44	1 43	18 58	0 43	22 27	0 17	19 11	1 1	20 6	1 40	20 6	0 37	13 17	1 44	19 59	12 41	20 13	20 6	26 5	8 27	6 9	
S 14	13 28	26 13	3 18	19 23	1 47	18 40	0 46	22 32	0 16	19 12	1 1	20 6	1 40	20 6	0 37	13 18	1 44	20 0	12 41	20 12	20 6	26 6	8 26	6 9	
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F 19	11 45	6 34	4 33	17 15	2 2	17 5	0 56	22 52	0 12	19 17	1 2	20 8	1 39	20 9	0 37	13 19	1 44	20 4	12 42	20 1	20 2	26 9	8 19	6 9	
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S 21	11 2	5n16	3 7	16 14	2 5	16 23	0 59	22 58	0 11	19 19	1 2	20 9	1 38	20 10	0 37	13 20	1 44	20 5	12 42	19 57	20 1	26 11	8 16	6 9	
M22	10 41	10 43	2 10	15 42	2 6	16 1	1 1	23 2	0 10	19 20	1 2	20 9	1 38	20 10	0 37	13 20	1 44	20 6	12 43	19 56	20 0	26 11	8 14	6 9	
T 23	10 19	15 35	1 8	15 8	2 7	15 39	1 3	23 5	0 9	19 21	1 3	20 10	1 38	20 11	0 37	13 21	1 44	20 7	12 43	19 56	20 0	26 12	8 13	6 9	
W24	9 57	19 42	0 4	14 33	2 7	15 17	1 4	23 7	0 8	19 22	1 3	20 10	1 38	20 11	0 37	13 21	1 44	20 7	12 43	19 56	19 59	26 13	8 11	6 9	
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F 26	9 13	25 9	1 59	13 20	2 6	14 30	1 7	23 13	0 6	19 23	1 3	20 11	1 37	20 12	0 37	13 22	1 44	20 9	12 43	19 55	19 58	26 14	8 8	6 9	
S 27	8 50	26 15	2 53	12 41	2 5	14 7	1 9	23 15	0 5	19 24	1 3	20 12	1 37	20 13	0 37	13 22	1 44	20 9	12 43	19 55	19 57	26 14	8 7	6 9	
S 28	8 28	26 8	3 40	12 1	2 4	13 43	1 10	23 17	0 4	19 24	1 3	20 12	1 37	20 13	0 37	13 23	1 43	20 10	12 43	19 54	19 56	26 15	8 5	6 9	
M29	8s 5	24n49	4n18	11s19	2s 2	13s18	1s12	23s19	0n 3	19s25	1n 3	20n13	1s36	20n13	0n37	13n23	1s43	20n11	12n43	19n52	19n56	26n16	8s 4	6n 9	

ASTRODIENST EPHEMERIS for the year 2208
geocentric

MARCH 2208

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 34 56	10 ^h 15'49	9 ^h 54	7 ^h 28	29 ^h 11	27 ^h 20	1 ^h 36	9 ^h 12	2 ^h 16	10 ^h 45	8 ^h 21	28 ^h 36	29 ^h 0	3 ^h 5	22 ^h 55	T 1
W 2	10 38 53	11 ^h 16'07	22 ^h 17	9 ^h 18	0 ^h 26	27 ^h 58	1 ^h 39	9 ^h 14	2 ^h 14	10 ^h 46	8 ^h 19	28 ^h 23	28 ^h 57	3 ^h 16	23 ^h 0	W 2
T 3	10 42 50	12 ^h 16'22	4 ^h 56	11 ^h 9	1 ^h 41	28 ^h 36	1 ^h 42	9 ^h 17	2 ^h 12	10 ^h 48	8 ^h 18	28 ^h 10	28 ^h 54	3 ^h 22	23 ^h 4	T 3
F 4	10 46 46	13 ^h 16'36	17 ^h 48	13 ^h 1	2 ^h 56	29 ^h 13	1 ^h 44	9 ^h 19	2 ^h 11	10 ^h 49	8 ^h 16	27 ^h 57	28 ^h 51	3 ^h 29	23 ^h 8	F 4
S 5	10 50 43	14 ^h 16'48	0 ^h 54	14 ^h 54	4 ^h 10	29 ^h 51	1 ^h 47	9 ^h 22	2 ^h 9	10 ^h 50	8 ^h 15	27 ^h 45	28 ^h 47	3 ^h 36	23 ^h 13	S 5
S 6	10 54 39	15 ^h 16'59	14 ^h 12	16 ^h 47	5 ^h 25	0 ^h 29	1 ^h 49	9 ^h 24	2 ^h 7	10 ^h 52	8 ^h 13	27 ^h 36	28 ^h 44	3 ^h 42	23 ^h 17	S 6
M 7	10 58 36	16 ^h 17'08	27 ^h 40	18 ^h 42	6 ^h 40	1 ^h 6	1 ^h 51	9 ^h 27	2 ^h 5	10 ^h 53	8 ^h 12	27 ^h 30	28 ^h 41	3 ^h 49	23 ^h 21	M 7
T 8	11 2 32	17 ^h 17'15	11 ^h 17	20 ^h 37	7 ^h 55	1 ^h 44	1 ^h 53	9 ^h 30	2 ^h 4	10 ^h 55	8 ^h 10	27 ^h 27	28 ^h 38	3 ^h 56	23 ^h 26	T 8
W 9	11 6 29	18 ^h 17'21	25 ^h 3	22 ^h 33	9 ^h 10	2 ^h 22	1 ^h 55	9 ^h 33	2 ^h 2	10 ^h 56	8 ^h 9	27 ^h D26	28 ^h 35	4 ^h 2	23 ^h 30	W 9
T 10	11 10 25	19 ^h 17'25	8 ^h 57	24 ^h 29	10 ^h 25	2 ^h 59	1 ^h 57	9 ^h 36	2 ^h 1	10 ^h 58	8 ^h 7	27 ^h 26	28 ^h 31	4 ^h 9	23 ^h 34	T 10
F 11	11 14 22	20 ^h 17'28	22 ^h 59	26 ^h 26	11 ^h 40	3 ^h 37	1 ^h 58	9 ^h 40	1 ^h 59	10 ^h 59	8 ^h 6	27 ^h R26	28 ^h 28	4 ^h 16	23 ^h 38	F 11
S 12	11 18 18	21 ^h 17'30	7 ^h 3	28 ^h 23	12 ^h 54	4 ^h 14	2 ^h 0	9 ^h 43	1 ^h 58	11 ^h 1	8 ^h 4	27 ^h 25	28 ^h 25	4 ^h 22	23 ^h 42	S 12
S 13	11 22 15	22 ^h 17'29	21 ^h 25	0 ^h Y19	14 ^h 9	4 ^h 52	2 ^h 1	9 ^h 46	1 ^h 56	11 ^h 3	8 ^h 3	27 ^h 22	28 ^h 22	4 ^h 29	23 ^h 46	S 13
M14	11 26 12	23 ^h 17'27	5 ^h 44	2 ^h 16	15 ^h 24	5 ^h 29	2 ^h 2	9 ^h 50	1 ^h 55	11 ^h 4	8 ^h 1	27 ^h 16	28 ^h 19	4 ^h 36	23 ^h 51	M14
T 15	11 30 8	24 ^h 17'24	20 ^h 3	4 ^h 12	16 ^h 39	6 ^h 7	2 ^h 2	9 ^h 53	1 ^h 54	11 ^h 6	8 ^h 0	27 ^h 8	28 ^h 16	4 ^h 42	23 ^h 55	T 15
W16	11 34 5	25 ^h 17'18	4 ^h 17	6 ^h 8	17 ^h 54	6 ^h 44	2 ^h 3	9 ^h 57	1 ^h 52	11 ^h 7	7 ^h 58	26 ^h 58	28 ^h 12	4 ^h 49	23 ^h 59	W16
T 17	11 38 1	26 ^h 17'11	18 ^h 20	8 ^h 2	19 ^h 9	7 ^h 22	2 ^h 3	10 ^h 1	1 ^h 51	11 ^h 9	7 ^h 57	26 ^h 48	28 ^h 9	4 ^h 56	24 ^h 3	T 17
F 18	11 41 58	27 ^h 17'02	2 ^h Y	9 ^h 55	20 ^h 23	7 ^h 59	2 ^h R 3	10 ^h 5	1 ^h 50	11 ^h 11	7 ^h 55	26 ^h 38	28 ^h 6	5 ^h 2	24 ^h 7	F 18
S 19	11 45 54	28 ^h 16'51	15 ^h 36	11 ^h 45	21 ^h 38	8 ^h 36	2 ^h 3	10 ^h 9	1 ^h 49	11 ^h 13	7 ^h 54	26 ^h 30	28 ^h 3	5 ^h 9	24 ^h 11	S 19
S 20	11 49 51	29 ^h 16'37	28 ^h 43	13 ^h 34	22 ^h 53	9 ^h 13	2 ^h 3	10 ^h 13	1 ^h 48	11 ^h 14	7 ^h 53	26 ^h 24	28 ^h 0	5 ^h 16	24 ^h 15	S 20
M21	11 53 47	0 ^h Y16'22	11 ^h 29	15 ^h 19	24 ^h 8	9 ^h 51	2 ^h 3	10 ^h 17	1 ^h 47	11 ^h 16	7 ^h 51	26 ^h 20	27 ^h 57	5 ^h 22	24 ^h 19	M21
T 22	11 57 44	1 ^h 16'05	23 ^h 55	17 ^h 2	25 ^h 22	10 ^h 28	2 ^h 2	10 ^h 21	1 ^h 46	11 ^h 18	7 ^h 50	26 ^h D19	27 ^h 53	5 ^h 29	24 ^h 22	T 22
W23	12 1 41	2 ^h 15'45	6 ^h II 6	18 ^h 40	26 ^h 37	11 ^h 5	2 ^h 1	10 ^h 26	1 ^h 45	11 ^h 20	7 ^h 48	26 ^h 20	27 ^h 50	5 ^h 36	24 ^h 26	W23
T 24	12 5 37	3 ^h 15'23	18 ^h 4	20 ^h 15	27 ^h 52	11 ^h 42	2 ^h 0	10 ^h 30	1 ^h 44	11 ^h 22	7 ^h 47	26 ^h 21	27 ^h 47	5 ^h 43	24 ^h 30	T 24
F 25	12 9 34	4 ^h 14'59	29 ^h 55	21 ^h 44	29 ^h 6	12 ^h 19	1 ^h 59	10 ^h 35	1 ^h 43	11 ^h 24	7 ^h 46	26 ^h R22	27 ^h 44	5 ^h 49	24 ^h 34	F 25
S 26	12 13 30	5 ^h 14'33	11 ^h 54	23 ^h 9	0 ^h Y21	12 ^h 56	1 ^h 58	10 ^h 39	1 ^h 42	11 ^h 25	7 ^h 44	26 ^h 21	27 ^h 41	5 ^h 56	24 ^h 37	S 26
S 27	12 17 27	6 ^h 14'04	23 ^h 38	24 ^h 28	1 ^h 36	13 ^h 33	1 ^h 56	10 ^h 44	1 ^h 42	11 ^h 27	7 ^h 43	26 ^h 19	27 ^h 37	6 ^h 3	24 ^h 41	S 27
M28	12 21 23	7 ^h 13'33	5 ^h II40	25 ^h 41	2 ^h 50	14 ^h 10	1 ^h 54	10 ^h 49	1 ^h 41	11 ^h 29	7 ^h 42	26 ^h 16	27 ^h 34	6 ^h 9	24 ^h 45	M28
T 29	12 25 20	8 ^h 13'00	17 ^h 54	26 ^h 48	4 ^h 5	14 ^h 47	1 ^h 52	10 ^h 54	1 ^h 40	11 ^h 31	7 ^h 40	26 ^h 10	27 ^h 31	6 ^h 16	24 ^h 48	T 29
W30	12 29 16	9 ^h 12'25	0 ^h II25	27 ^h 48	5 ^h 20	15 ^h 24	1 ^h 50	10 ^h 59	1 ^h 40	11 ^h 33	7 ^h 39	26 ^h 2	27 ^h 28	6 ^h 23	24 ^h 52	W30
T 31	12 33 13	10 ^h Y11'47	13 ^h II14	28 ^h Y41	6 ^h Y34	16 ^h 3	1 ^h 48	11 ^h II 4	1 ^h 39	11 ^h 35	7 ^h II38	25 ^h 34	27 ^h 25	6 ^h 29	24 ^h 55	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	7s43	22n19	4n45	10s36	1s59	12s53	1s13	23s21	0n 2	19s25	1n 3	20n13	1s36	20n14	0n37	13n24	1s43	20n11	12n43	19n50	19n55	26n16	8s 2	6n 9						
W 2	7 20	18 46	4 59	9 52	1 56	12 28	1 14	23 23	0 1	19 26	1 4	20 14	1 36	20 14	0 37	13 24	1 43	20 12	12 43	19 47	19 54	26 17	8 1	6 9						
T 3	6 57	14 19	4 58	9 7	1 53	12 3	1 15	23 24	0 0	19 26	1 4	20 15	1 36	20 15	0 37	13 25	1 43	20 12	12 43	19 44	19 53	26 17	8 0	6 9						
F 4	6 34	9 9	4 43	8 20	1 49	11 37	1 17	23 25	0s 1	19 27	1 4	20 15	1 35	20 15	0 37	13 25	1 43	20 13	12 43	19 41	19 53	26 18	7 58	6 9						
S 5	6 11	3 30	4 13	7 33	1 44	11 11	1 18	23 26	0 2	19 27	1 4	20 16	1 35	20 15	0 37	13 26	1 43	20 14	12 43	19 38	19 52	26 18	7 57	6 9						
S 6	5 48	2s24	3 28	6 44	1 39	10 44	1 19	23 27	0 3	19 27	1 4	20 16	1 35	20 16	0 37	13 26	1 43	20 14	12 43	19 36	19 51	26 19	7 55	6 9						
M 7	5 24	8 17	2 31	5 54	1 34	10 17	1 20	23 28	0 4	19 28	1 4	20 17	1 35	20 16	0 37	13 27	1 43	20 15	12 43	19 35	19 51	26 19	7 54	6 10						
T 8	5 1	13 52	1 25	5 3	1 27	9 50	1 21	23 29	0 5	19 28	1 4	20 18	1 34	20 16	0 37	13 27	1 43	20 16	12 43	19 34	19 50	26 20	7 52	6 10						
W 9	4 38	18 48	0 13	4 11	1 20	9 23	1 21	23 29	0 6	19 28	1 4	20 19	1 34	20 17	0 37	13 28	1 43	20 16	12 43	19 34	19 49	26 20	7 51	6 10						
T 10	4 14	22 46	1s 1	3 18	1 13	8 55	1 22	23 30	0 7	19 28	1 5	20 19	1 34	20 17	0 37	13 28	1 43	20 17	12 43	19 34	19 49	26 21	7 49	6 10						
F 11	3 51	25 25	2 12	2 25	1 5	8 28	1 23	23 30	0 8	19 29	1 5	20 20	1 34	20 17	0 37	13 29	1 43	20 17	12 43	19 34	19 48	26 21	7 48	6 10						
S 12	3 27	26 28	3 15	1 31	0 57	8 0	1 24	23 30	0 9	19 29	1 5	20 21	1 33	20 18	0 37	13 29	1 43	20 18	12 43	19 34	19 47	26 22	7 46	6 10						
S 13	3 3	25 46	4 6	0 36	0 47	7 31	1 24	23 30	0 10	19 29	1 5	20 21	1 33	20 18	0 37	13 30	1 43	20 18	12 43	19 33	19 46	26 22	7 45	6 10						
M14	2 40	23 23	4 43	0n19	0 38	7 3	1 25	23 29	0 11	19 29	1 5	20 22	1 33	20 18	0 37	13 30	1 43	20 19	12 43	19 32	19 46	26 23	7 43	6 11						
T 15	2 16	19 32	5 1	1 15	0 28	6 34	1 25	23 29	0 12	19 29	1 5	20 23	1 33	20 19	0 37	13 31	1 43	20 19	12 43	19 30	19 45	26 23	7 42	6 11						
W16	1 52	14 36	5 1	2 10	0 17	6 6	1 26	23 28	0 14	19 29	1 5	20 24	1 32	20 19	0 36	13 31	1 43	20 20	12 43	19 28	19 44	26 24	7 40	6 11						
T 17	1 28	8 56	4 43	3 6	0 6	5 37	1 26	23 27	0 15	19 29	1 5	20 24	1 32	20 19	0 36	13 32	1 43	20 20	12 43	19 25	19 44	26 24	7 39	6 11						
F 18	1 5	2 57	4 8	4 1	0n 6	5 8	1 26	23 26	0 16	19 29	1 6	20 25	1 32	20 19	0 36	13 32	1 43	20 21	12 43	19 23	19 43	26 25	7 37	6 11						
S 19	0 41	3n 4	3 20	4 55	0 18	4 38	1 26	23 25	0 17	19 29	1 6	20 26	1 32	20 20	0 36	13 33	1 43	20 21	12 43	19 21	19 42	26 25	7 36	6 11						
S 20	0 17	8 48	2 22	5 48	0 30	4 9	1 27	23 24	0 18	19 28	1 6	20 27	1 31	20 20	0 36	13 34	1 43	20 22	12 43	19 20	19 42	26 26	7 35	6 12						
M21	0n 7	14 1	1 19	6 41	0 43	3 39	1 27	23 23	0 20	19 28	1 6	20 28	1 31	20 20	0 36	13 34	1 42	20 22	12 43	19 19	19 41	26 26	7 33	6 12						
T 22	0 30	18 32	0 13	7 32	0 55	3 10	1 27	23 21	0 21	19 28	1 6	20 29	1 31	20 20	0 36	13 35	1 42	20 23	12 43	19 19	19 40	26 27	7 32	6 12						
W23	0 54	22 10	0n52	8 21	1 8	2 40	1 27	23 19	0 22	19 28	1 6	20 29	1 31	20 20	0 36	13 35	1 42	20 23	12 43	19 19	19 39	26 27	7 30	6 12						
T 24	1 18	24 46	1 54	9 9	1 20	2 10	1 26	23 17	0 23	19 27	1 6	20 30	1 31	20 21	0 36	13 36	1 42	20 24	12 43	19 19	19 39	26 27	7 29	6 12						
F 25	1 41	26 15	2 51	9 54	1 33	1 41	1 26	23 15	0 25	19 27	1 6	20 31	1 30	20 21	0 36	13 37	1 42	20 24	12 43	19 19	19 38	26 28	7 27	6 13						
S 26	2 5	26 32	3 40	10 37	1 45	1 11	1 26	23 13	0 26	19 27	1 6	20 32	1 30	20 21	0 36	13 37	1 42	20 25	12 43	19 19	19 37	26 28	7 26	6 13						
S 27	2 28	25 36	4 19	11 17	1 57	0 41	1 26	23 11	0 27	19 26	1 7	20 33	1 30	20 21	0 36	13 38	1 42	20 25	12 42	19 19	19 37	26 29	7 25	6 13						
M28	2 52	23 29	4 48	11 54	2 8	0 11	1 25	23 8	0 29	19 26	1 7	20 34	1 30	20 21	0 36	13 38	1 42	20 25	12 42	19 18	19 36	26 29	7 23	6 13						
T 29	3 15	20 16	5 5	12 29	2 19	0n19	1 25	23 6	0 30	19 25	1 7	20 35	1 30	20 21	0 36	13 39	1 42	20 26	12 42	19 16	19 35	26 29	7 22	6 13						
W30	3 39	16 6	5 7	13 0	2 29	2 19	0 49	1 24	23 3	0 31	19 25	1 7	20 36	1 29	20 21	0 36	13 40	1 42	20 26	12 42	19 15	19 34	26 30	7 20	6 14					
T 31	4n 2	11n 6	4n54	13n28	2n39	1n19	1s24	23s 0	0 33	19s24	1n 7	20n36	1s29	20n21	0n36	13n40	1s42	20n27	12n42	19n13	19n34	26n30	7s19	6n14						

ASTRODIENST EPHEMERIS for the year 2208

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APRIL 2208

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Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 37 10	11°11'07"	26°21'	29°28'	7°49'	16°37'	1°R46	11°11' 9	1°R39	11°8'37"	7°R37	25°R46	27°8'22"	6°23'36"	24°28'59"	F 1	
S 2	12 41 6	12°10'25"	9°47'	0°8' 7	9° 3	17°14'	1°43'	11°14'	1°38'	11°39'	7°35'	25°39'	27°18'	6°43'	25° 2	S 2	
S 3	12 45 3	13° 9'41"	23°28'	0°39'	10°18'	17°50'	1°40'	11°19'	1°38'	11°41'	7°34'	25°34'	27°15'	6°49'	25° 6	S 3	
M 4	12 48 59	14° 8'55"	7°11'22"	1° 4	11°32'	18°27'	1°37'	11°25'	1°38'	11°43'	7°33'	25°30'	27°12'	6°56'	25° 9	M 4	
T 5	12 52 56	15° 8'07"	21°25'	1°21'	12°47'	19° 3	1°34'	11°30'	1°38'	11°45'	7°32'	25°D29	27° 9	7° 3	25°12	T 5	
W 6	12 56 52	16° 7'18"	5°21'34"	1°32'	14° 1	19°40'	1°31'	11°35'	1°37'	11°47'	7°31'	25°29'	27° 6	7° 9	25°16	W 6	
T 7	13 0 49	17° 6'26"	19°47'	1°R34	15°16'	20°16'	1°27'	11°41'	1°37'	11°49'	7°30'	25°30'	27° 2	7°16'	25°19	T 7	
F 8	13 4 45	18° 5'33"	3°35'10"	1°30'	16°30'	20°53'	1°23'	11°47'	1°37'	11°52'	7°28'	25°32'	26°59'	7°23'	25°22	F 8	
S 9	13 8 42	19° 4'39"	18°10'	1°20'	17°45'	21°29'	1°20'	11°52'	1°D37	11°54'	7°27'	25°R33	26°56'	7°29'	25°25	S 9	
S 10	13 12 39	20° 3'42"	2°28'17"	1° 3	18°59'	22° 5	1°16'	11°58'	1°37'	11°56'	7°26'	25°32'	26°53'	7°36'	25°28	S 10	
M11	13 16 35	21° 2'44"	16°20'	0°40'	20°13'	22°41'	1°11'	12° 4	1°37'	11°58'	7°25'	25°30'	26°50'	7°43'	25°31	M11	
T 12	13 20 32	22° 1'44"	0°16'16"	0°12'	21°28'	23°17'	1° 7	12°10'	1°37'	12° 0	7°24'	25°26'	26°47'	7°49'	25°34	T 12	
W13	13 24 28	23° 0'42"	14° 2	29°Y39	22°42'	23°53'	1° 3	12°16'	1°38'	12° 2	7°23'	25°21'	26°43'	7°56'	25°37	W13	
T 14	13 28 25	23°59'38"	27°37'	29° 2	23°57'	24°29'	0°58'	12°22'	1°38'	12° 4	7°22'	25°16'	26°40'	8° 3	25°40	T 14	
F 15	13 32 21	24°58'32"	10°Y59	28°22'	25°11'	25° 5	0°53'	12°28'	1°38'	12° 7	7°21'	25°11'	26°37'	8° 9	25°43	F 15	
S 16	13 36 18	25°57'25"	24° 6	27°40'	26°25'	25°41'	0°48'	12°34'	1°38'	12° 9	7°20'	25° 7	26°34'	8°16'	25°46	S 16	
S 17	13 40 14	26°56'15"	6°8'56"	26°56'	27°40'	26°17'	0°43'	12°40'	1°39'	12°11'	7°20'	25° 5	26°31'	8°23'	25°49	S 17	
M18	13 44 11	27°55'04"	19°31'	26°11'	28°54'	26°52'	0°38'	12°46'	1°39'	12°13'	7°19'	25°D 3	26°28'	8°29'	25°51	M18	
T 19	13 48 7	28°53'50"	1°11'51"	25°27'	0°8' 8	27°28'	0°32'	12°53'	1°40'	12°15'	7°18'	25° 4	26°24'	8°36'	25°54	T 19	
W20	13 52 4	29°52'35"	13°58'	24°43'	1°23'	28° 3	0°27'	12°59'	1°40'	12°18'	7°17'	25° 5	26°21'	8°43'	25°56	W20	
T 21	13 56 1	0°8'51'17"	25°55'	24° 1	2°37'	28°38'	0°21'	13° 6	1°41'	12°20'	7°16'	25° 6	26°18'	8°49'	25°59	T 21	
F 22	13 59 57	1°49'57"	7°28'47"	23°22'	3°51'	29°14'	0°15'	13°12'	1°42'	12°22'	7°15'	25° 8	26°15'	8°56'	26° 1	F 22	
S 23	14 3 54	2°48'35"	19°37'	22°46'	5° 5	29°49'	0° 9	13°19'	1°42'	12°24'	7°15'	25° 9	26°12'	9° 3	26° 4	S 23	
S 24	14 7 50	3°47'11"	1°13'31"	22°13'	6°19'	0°28'24"	0° 3	13°25'	1°43'	12°27'	7°14'	25°R10	26° 8	9°10'	26° 6	S 24	
M25	14 11 47	4°45'45"	13°33'	21°44'	7°34'	0°59'	29°M.57	13°32'	1°44'	12°29'	7°13'	25°10'	26° 5	9°16'	26° 8	M25	
T 26	14 15 43	5°44'16"	25°47'	21°19'	8°48'	1°34'	29°51'	13°39'	1°45'	12°31'	7°13'	25° 8	26° 2	9°23'	26°11	T 26	
W27	14 19 40	6°42'45"	8°11'19"	21° 0	10° 2	2° 8	29°44'	13°45'	1°46'	12°33'	7°12'	25° 7	25°59'	9°30'	26°13	W27	
T 28	14 23 37	7°41'12"	21°11'	20°44'	11°16'	2°43'	29°38'	13°52'	1°47'	12°35'	7°11'	25° 4	25°56'	9°36'	26°15	T 28	
F 29	14 27 33	8°39'37"	4°25'25"	20°34'	12°30'	3°18'	29°31'	13°59'	1°48'	12°38'	7°11'	25° 2	25°53'	9°43'	26°17	F 29	
S 30	14 31 30	9°38'00"	18°28' 3	20°Y29	13°8'44"	3°25'52"	29°M.24	14°11' 6	1°49'	12°40'	7°10'	25°8' 0	25°8'49"	9°28'50"	26°28'19"	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	4n25	5n30	4n25	13n53	2n47	1n49	1s23	22s57	0s34	19s24	1n 7	20n37	1s29	20n22	0n36	13n41	1s42	20n27	12n42	19n11	19n33	26n30	7s18	6n14	
S 2	4 48	0s28	3 42	14 14	2 55	2 19	1 23	22 54	0 36	19 23	1 7	20 38	1 29	20 22	0 36	13 42	1 42	20 27	12 42	19 9	19 32	26 31	7 16	6 14	
S 3	5 11	6 33	2 45	14 31	3 1	2 49	1 22	22 50	0 37	19 22	1 7	20 39	1 28	20 22	0 36	13 42	1 42	20 28	12 42	19 8	19 31	26 31	7 15	6 15	
M 4	5 34	12 26	1 37	14 45	3 7	3 19	1 21	22 47	0 39	19 22	1 7	20 40	1 28	20 22	0 36	13 43	1 42	20 28	12 41	19 7	19 31	26 31	7 14	6 15	
T 5	5 57	17 45	0 22	14 55	3 11	3 49	1 20	22 43	0 40	19 21	1 8	20 41	1 28	20 22	0 36	13 44	1 42	20 28	12 41	19 7	19 30	26 32	7 12	6 15	
W 6	6 20	22 6	0s55	15 1	3 13	4 18	1 19	22 40	0 42	19 20	1 8	20 42	1 28	20 22	0 36	13 44	1 42	20 28	12 41	19 7	19 29	26 32	7 11	6 15	
T 7	6 43	25 9	2 8	15 3	3 15	4 48	1 18	22 36	0 43	19 19	1 8	20 43	1 28	20 22	0 36	13 45	1 42	20 29	12 41	19 7	19 29	26 32	7 10	6 16	
F 8	7 5	26 35	3 14	15 2	3 15	5 18	1 17	22 32	0 45	19 19	1 8	20 44	1 27	20 22	0 36	13 46	1 42	20 29	12 41	19 7	19 28	26 33	7 8	6 16	
S 9	7 28	26 17	4 8	14 56	3 13	5 47	1 16	22 28	0 46	19 18	1 8	20 45	1 27	20 22	0 36	13 46	1 42	20 29	12 41	19 8	19 27	26 33	7 7	6 16	
S 10	7 50	24 16	4 46	14 47	3 10	6 16	1 15	22 23	0 48	19 17	1 8	20 46	1 27	20 22	0 36	13 47	1 42	20 29	12 40	19 7	19 26	26 33	7 6	6 17	
M11	8 12	20 49	5 8	14 34	3 5	6 45	1 14	22 19	0 49	19 16	1 8	20 47	1 27	20 22	0 36	13 48	1 42	20 30	12 40	19 7	19 26	26 33	7 5	6 17	
T 12	8 34	16 12	5 10	14 18	2 58	7 14	1 13	22 15	0 51	19 15	1 8	20 48	1 27	20 22	0 36	13 48	1 42	20 30	12 40	19 6	19 25	26 34	7 3	6 17	
W13	8 56	10 49	4 55	13 59	2 50	7 43	1 11	22 10	0 53	19 14	1 8	20 49	1 27	20 22	0 36	13 49	1 42	20 30	12 40	19 5	19 24	26 34	7 2	6 17	
T 14	9 18	4 59	4 24	13 37	2 40	8 12	1 10	22 5	0 54	19 13	1 8	20 50	1 26	20 21	0 36	13 50	1 42	20 30	12 40	19 4	19 23	26 34	7 1	6 18	
F 15	9 40	1n 0	3 38	13 13	2 29	8 40	1 8	22 1	0 56	19 12	1 8	20 50	1 26	20 21	0 36	13 50	1 42	20 30	12 39	19 3	19 23	26 34	7 0	6 18	
S 16	10 1	6 50	2 41	12 46	2 17	9 9	1 7	21 56	0 58	19 11	1 8	20 51	1 26	20 21	0 36	13 51	1 42	20 31	12 39	19 2	19 22	26 35	6 58	6 18	
S 17	10 22	12 17	1 38	12 17	2 4	9 37	1 5	21 51	0 59	19 10	1 8	20 52	1 26	20 21	0 36	13 52	1 42	20 31	12 39	19 1	19 21	26 35	6 57	6 19	
M18	10 43	17 6	0 30	11 48	1 49	10 5	1 4	21 45	1 1	19 9	1 8	20 53	1 26	20 21	0 36	13 52	1 42	20 31	12 39	19 1	19 21	26 35	6 56	6 19	
T 19	11 4	21 7	0n37	11 17	1 34	10 32	1 2	21 40	1 3	19 7	1 8	20 54	1 25	20 21	0 36	13 53	1 42	20 31	12 38	19 1	19 20	26 35	6 55	6 19	
W20	11 25	24 8	1 42	10 46	1 18	11 0	1 1	21 35	1 4	19 6	1 9	20 55	1 25	20 21	0 36	13 54	1 42	20 31	12 38	19 1	19 19	26 36	6 54	6 20	
T 21	11 46	26 3	2 42	10 16	1 1	11 27	0 59	21 30	1 6	19 5	1 9	20 56	1 25	20 21	0 36	13 54	1 42	20 31	12 38	19 1	19 18	26 36	6 53	6 20	
F 22	12 6	26 45	3 34	9 46	0 45	11 54	0 57	21 24	1 8	19 4	1 9	20 57	1 25	20 20	0 36	13 55	1 42	20 31	12 38	19 2	19 18	26 36	6 51	6 20	
S 23	12 26	26 13	4 17	9 16	0 28	12 20	0 55	21 18	1 10	19 3	1 9	20 58	1 25	20 20	0 36	13 56	1 42	20 31	12 37	19 2	19 17	26 36	6 50	6 21	
S 24	12 46	24 30	4 49	8 49	0 11	12 46	0 53	21 13	1 12	19 1	1 9	20 59	1 25	20 20	0 36	13 56	1 42	20 31	12 37	19 2	19 16	26 36	6 49	6 21	
M25	13 6	21 40	5 9	8 22	0s 6	13 12	0 52	21 7	1 14	19 0	1 9	21 0	1 24	20 20	0 36	13 57	1 42	20 31	12 37	19 2	19 15	26 36	6 48	6 21	
T 26	13 25	17 51	5 15	7 58	0 22	13 38	0 50	21 1	1 16	18 59	1 9	21 1	1 24	20 20	0 35	13 58	1 42	20 31	12 37	19 2	19 15	26 37	6 47	6 22	
W27	13 45	13 11	5 7	7 36	0 38	14 3	0 48	20 55	1 17	18 57	1 9	21 2	1 24	20 19	0 35	13 58	1 42	20 31	12 36	19 1	19 14	26 37	6 46	6 22	
T 28	14 4	7 50	4 43	7 16	0 53	14 28	0 46	20 49	1 19	18 56	1 9	21 3	1 24	20 19	0 35	13 59	1 42	20 31	12 36	19 1	19 13	26 37	6 45	6 22	
F 29	14 22	1 59	4 4	6 59	1 8	14 53	0 44	20 43	1 21	18 54	1 9	21 4	1 24	20 19	0 35	14 0	1 42	20 31	12 36	19 0	19 12	26 37	6 44	6 23	
S 30	14n41	4s 8	3n10	6n44	1s22	15n17	0s42	20s37	1s23	18s53	1n 9	21n 5	1s24	20n19	0n35	14n 1	1s42	20n31	12n36	19n 0	19n12	26n37	6s43	6n23	

ASTRODIENST EPHEMERIS for the year 2208

geocentric

MAY 2208

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 35 26	10°36'21	211 1	20°D29	14°58	4°26	29°R18	14°113	1°50	12°42	7°R10	24°R58	25°46	9°56	26°21	S 1
M 2	14 39 23	11°34'41	16°17	20°Y33	16°12	5° 1	29°M11	14°20	1°51	12°45	7°M 9	24°S57	25°43	10° 3	26°23	M 2
T 3	14 43 19	12°32'58	0°27	20°43	17°26	5°35	29° 4	14°27	1°53	12°47	7° 9	24°D57	25°40	10°10	26°25	T 3
W 4	14 47 16	13°31'14	15°23	20°57	18°40	6° 9	28°57	14°34	1°54	12°49	7° 8	24°58	25°37	10°16	26°27	W 4
T 5	14 51 12	14°29'29	0°3 1	21°16	19°54	6°43	28°50	14°41	1°55	12°51	7° 8	24°59	25°34	10°23	26°28	T 5
F 6	14 55 9	15°27'41	14°34	21°39	21° 8	7°16	28°42	14°48	1°57	12°54	7° 7	24°59	25°30	10°30	26°30	F 6
S 7	14 59 6	16°25'53	28°59	22° 7	22°22	7°50	28°35	14°55	1°58	12°56	7° 7	25° 0	25°27	10°36	26°32	S 7
S 8	15 3 2	17°24'03	13°11	22°39	23°36	8°23	28°28	15° 2	2° 0	12°58	7° 7	25°R 0	25°24	10°43	26°33	S 8
M 9	15 6 59	18°22'11	27° 9	23°15	24°50	8°57	28°20	15°10	2° 1	13° 0	7° 6	25° 0	25°21	10°50	26°35	M 9
T 10	15 10 55	19°20'18	10°K51	23°54	26° 4	9°30	28°13	15°17	2° 3	13° 3	7° 6	25° 0	25°18	10°56	26°36	T 10
W11	15 14 52	20°18'24	24°19	24°38	27°18	10° 3	28° 6	15°24	2° 4	13° 5	7° 6	25° 0	25°14	11° 3	26°37	W11
T 12	15 18 48	21°16'28	7°Y31	25°25	28°32	10°36	27°58	15°32	2° 6	13° 7	7° 6	24°59	25°11	11°10	26°39	T 12
F 13	15 22 45	22°14'31	20°28	26°15	29°46	11° 9	27°50	15°39	2° 8	13° 9	7° 6	24°59	25° 8	11°17	26°40	F 13
S 14	15 26 41	23°12'32	3°I12	27° 9	1°11 0	11°41	27°43	15°46	2°10	13°12	7° 5	24°58	25° 5	11°23	26°41	S 14
S 15	15 30 38	24°10'32	15°43	28° 6	2°14	12°14	27°35	15°54	2°11	13°14	7° 5	24°58	25° 2	11°30	26°42	S 15
M16	15 34 35	25° 8'31	28° 2	29° 6	3°28	12°46	27°28	16° 1	2°13	13°16	7° 5	24°58	24°59	11°37	26°43	M16
T 17	15 38 31	26° 6'27	10°II12	0°8 9	4°42	13°18	27°20	16° 9	2°15	13°18	7° 5	24°58	24°55	11°43	26°44	T 17
W18	15 42 28	27° 4'23	22°12	1°15	5°55	13°50	27°12	16°16	2°17	13°20	7° 5	24°58	24°52	11°50	26°45	W18
T 19	15 46 24	28° 2'17	4°E 7	2°23	7° 9	14°21	27° 5	16°24	2°19	13°23	7°D 5	24°58	24°49	11°57	26°46	T 19
F 20	15 50 21	29° 0'09	15°57	3°35	8°23	14°53	26°57	16°31	2°21	13°25	7° 5	24°57	24°46	12° 3	26°47	F 20
S 21	15 54 17	29°57'59	27°48	4°49	9°37	15°24	26°49	16°39	2°23	13°27	7° 5	24°57	24°43	12°10	26°47	S 21
S 22	15 58 14	0°II55'48	9°I41	6° 5	10°50	15°55	26°42	16°47	2°25	13°29	7° 5	24°56	24°40	12°17	26°48	S 22
M23	16 2 10	1°53'35	21°42	7°25	12° 4	16°26	26°34	16°54	2°28	13°31	7° 5	24°56	24°36	12°23	26°49	M23
T 24	16 6 7	2°51'21	3°M55	8°46	13°18	16°57	26°27	17° 2	2°30	13°34	7° 5	24°D56	24°33	12°30	26°49	T 24
W25	16 10 4	3°49'05	16°24	10°10	14°32	17°27	26°19	17°10	2°32	13°36	7° 6	24°56	24°30	12°37	26°50	W25
T 26	16 14 0	4°46'47	29°13	11°37	15°45	17°58	26°12	17°17	2°34	13°38	7° 6	24°57	24°27	12°43	26°50	T 26
F 27	16 17 57	5°44'28	12°A26	13° 6	16°59	18°28	26° 4	17°25	2°37	13°40	7° 6	24°57	24°24	12°50	26°50	F 27
S 28	16 21 53	6°42'07	26° 4	14°37	18°13	18°57	25°57	17°33	2°39	13°42	7° 6	24°58	24°20	12°57	26°51	S 28
S 29	16 25 50	7°39'40	10°M 8	16°10	19°26	19°27	25°49	17°40	2°42	13°44	7° 7	24°59	24°17	13° 4	26°51	S 29
M30	16 29 46	8°37'21	24° 8	17°46	20°40	19°56	25°42	17°48	2°44	13°46	7° 7	24°R59	24°14	13°10	26°51	M30
T 31	16 33 43	9°II34'56	9°J23	19°B25	21°II54	20°25	25°M35	17°II56	2°47	13°48	7°M 7	24°S59	24°11	13°17	26°51	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	14n59	10s14	2n 4	6n31	1s35	15n41	0s40	20s31	1s25	18s52	1n 9	21n 6	1s24	20n18	0n35	S 1
M 2	15 17	15 56	0 48	6 22	1 47	16 4	0 37	20 24	1 27	18 50	1 9	21 7	1 23	20 18	0 35	M 2
T 3	15 35	20 49	0s32	6 14	1 59	16 27	0 35	20 18	1 30	18 49	1 9	21 8	1 23	20 18	0 35	T 3
W 4	15 53	24 27	1 51	6 10	2 10	16 50	0 33	20 12	1 32	18 47	1 9	21 9	1 23	20 17	0 35	W 4
T 5	16 10	26 27	3 2	6 8	2 20	17 12	0 31	20 5	1 34	18 46	1 9	21 10	1 23	20 17	0 35	T 5
F 6	16 27	26 37	4 2	6 8	2 29	17 34	0 29	19 59	1 36	18 44	1 9	21 11	1 23	20 17	0 35	F 6
S 7	16 44	24 59	4 45	6 11	2 37	17 55	0 26	19 52	1 38	18 42	1 9	21 12	1 23	20 16	0 35	S 7
S 8	17 0	21 48	5 10	6 15	2 44	18 16	0 24	19 46	1 40	18 41	1 9	21 13	1 23	20 16	0 35	S 8
M 9	17 17	17 24	5 17	6 23	2 51	18 36	0 22	19 39	1 42	18 39	1 9	21 13	1 22	20 16	0 35	M 9
T 10	17 33	12 11	5 5	6 32	2 57	18 56	0 19	19 32	1 45	18 38	1 9	21 14	1 22	20 15	0 35	T 10
W11	17 48	6 29	4 37	6 43	3 1	19 16	0 17	19 26	1 47	18 36	1 8	21 15	1 22	20 15	0 35	W11
T 12	18 4	0 36	3 54	6 56	3 6	19 34	0 15	19 19	1 49	18 34	1 8	21 16	1 22	20 14	0 35	T 12
F 13	18 19	5n12	3 0	7 11	3 9	19 53	0 12	19 12	1 52	18 33	1 8	21 17	1 22	20 14	0 35	F 13
S 14	18 33	10 43	1 58	7 28	3 11	20 11	0 10	19 5	1 54	18 31	1 8	21 18	1 22	20 14	0 35	S 14
S 15	18 48	15 43	0 51	7 47	3 13	20 28	0 8	18 58	1 56	18 30	1 8	21 19	1 22	20 13	0 35	S 15
M16	19 2	19 59	0n17	8 7	3 14	20 44	0 5	18 52	1 59	18 28	1 8	21 20	1 22	20 13	0 35	M16
T 17	19 16	23 20	1 23	8 28	3 15	21 1	0 3	18 45	2 1	18 26	1 8	21 21	1 21	20 12	0 35	T 17
W18	19 29	25 36	2 25	8 51	3 15	21 16	0 0	18 38	2 4	18 25	1 8	21 22	1 21	20 12	0 35	W18
T 19	19 42	26 41	3 20	9 15	3 14	21 31	0n 2	18 31	2 6	18 23	1 8	21 22	1 21	20 11	0 35	T 19
F 20	19 55	26 33	4 7	9 41	3 12	21 45	0 5	18 24	2 9	18 21	1 8	21 23	1 21	20 11	0 35	F 20
S 21	20 7	25 11	4 42	10 8	3 10	21 59	0 7	18 17	2 11	18 20	1 8	21 24	1 21	20 10	0 35	S 21
S 22	20 19	22 43	5 6	10 36	3 7	22 12	0 9	18 10	2 14	18 18	1 8	21 25	1 21	20 10	0 35	S 22
M23	20 31	19 15	5 16	11 5	3 3	22 25	0 12	18 4	2 16	18 16	1 7	21 26	1 21	20 9	0 35	M23
T 24	20 42	14 55	5 13	11 34	2 59	22 37	0 14	17 57	2 19	18 15	1 7	21 27	1 21	20 9	0 35	T 24
W25	20 53	9 53	4 55	12 5	2 55	22 48	0 17	17 50	2 22	18 13	1 7	21 28	1 21	20 8	0 35	W25
T 26	21 4	4 19	4 22	12 37	2 49	22 58	0 19	17 43	2 24	18 11	1 7	21 28	1 20	20 8	0 35	T 26
F 27	21 14	1s37	3 34	13 9	2 44	23 8	0 22	17 36	2 27	18 10	1 7	21 29	1 20	20 7	0 35	F 27
S 28	21 24	7 40	2 33	13 42	2 37	23 17	0 24	17 30	2 30	18 8	1 7	21 30	1 20	20 7	0 35	S 28
S 29	21 34	13 33	1 21	14 15	2 31	23 26	0 26	17 23	2 33	18 7	1 7	21 31	1 20	20 6	0 35	S 29
M30	21 43	18 52	0 2	14 49	2 23	23 34	0 29	17 16	2 35	18 5	1 7	21 32	1 20	20 5	0 35	M30
T 31	21n52	23s 8	1s19	15n23	2s16	23n41	0n31	17s10	2s38	18s 3	1n 6	21n32	1s20	20n 5	0n35	T 31

Julian Day Number = 2527635.5, Delta T = 171.37 sec
 Ecliptic obliquity = 23°24'49, Nutation = - 0°00'16, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°39'06, Lahiri = 26°46'07

ASTRODIENST EPHEMERIS for the year 2208
geocentric

JUNE 2208

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	16 37 39	10 ^{II} 32'30	24 [♂] 22	21 [♂] 6	23 ^{II} 7	20 [♂] 54	25°R28	18 ^{II} 4	2 [♂] 49	13 [♂] 50	7 [♂] 8	24°R58	24 [♂] 8	13 [♂] 24	26°R51	W 1
T 2	16 41 36	11°30'03	9 [♂] 24	22°49	24°21	21°23	25 ^{II} 20	18°11	2°52	13°53	7°8	24 [♂] 56	24°5	13°30	26 [♂] 51	T 2
F 3	16 45 33	12°27'35	24°21	24°34	25°34	21°51	25°13	18°19	2°54	13°55	7°9	24°54	24°1	13°37	26°51	F 3
S 4	16 49 29	13°25'07	9 [♂] 5	26°22	26°48	22°19	25°6	18°27	2°57	13°57	7°9	24°52	23°58	13°44	26°51	S 4
S 5	16 53 26	14°22'37	23°30	28°12	28°1	22°47	24°59	18°35	3°0	13°59	7°10	24°50	23°55	13°50	26°50	S 5
M 6	16 57 22	15°20'06	7 [♂] 34	0 ^{II} 4	29°15	23°14	24°53	18°43	3°2	14°1	7°10	24°49	23°52	13°57	26°50	M 6
T 7	17 1 19	16°17'35	21°14	1°58	0 [♂] 28	23°42	24°46	18°50	3°5	14°3	7°11	24°D49	23°49	14°4	26°50	T 7
W 8	17 5 15	17°15'03	4 [♂] 32	3°55	1°42	24°9	24°39	18°58	3°8	14°5	7°11	24°50	23°46	14°10	26°49	W 8
T 9	17 9 12	18°12'30	17°31	5°54	2°55	24°35	24°33	19°6	3°11	14°7	7°12	24°51	23°42	14°17	26°49	T 9
F 10	17 13 8	19°9'57	0 [♂] 12	7°55	4°9	25°1	24°26	19°14	3°14	14°8	7°13	24°53	23°39	14°24	26°48	F 10
S 11	17 17 5	20°7'23	12°38	9°58	5°22	25°27	24°20	19°22	3°17	14°10	7°13	24°54	23°36	14°31	26°48	S 11
S 12	17 21 2	21°4'49	24°53	12°3	6°36	25°53	24°14	19°30	3°20	14°12	7°14	24°R55	23°33	14°37	26°47	S 12
M13	17 24 58	22°2'13	6 ^{II} 59	14°9	7°49	26°18	24°8	19°37	3°22	14°14	7°15	24°54	23°30	14°44	26°46	M13
T 14	17 28 55	22°59'37	18°58	16°17	9°3	26°43	24°2	19°45	3°25	14°16	7°15	24°52	23°26	14°51	26°45	T 14
W15	17 32 51	23°57'01	0 [♂] 52	18°26	10°16	27°7	23°56	19°53	3°28	14°18	7°16	24°49	23°23	14°57	26°44	W15
T 16	17 36 48	24°54'23	12°43	20°37	11°30	27°31	23°50	20°1	3°32	14°20	7°17	24°44	23°20	15°4	26°44	T 16
F 17	17 40 44	25°51'45	24°33	22°48	12°43	27°55	23°45	20°9	3°35	14°22	7°18	24°39	23°17	15°11	26°43	F 17
S 18	17 44 41	26°49'06	6 [♂] 24	24°59	13°56	28°18	23°39	20°16	3°38	14°23	7°19	24°33	23°14	15°17	26°41	S 18
S 19	17 48 37	27°46'26	18°19	27°11	15°10	28°41	23°34	20°24	3°41	14°25	7°20	24°28	23°11	15°24	26°40	S 19
M20	17 52 34	28°43'45	0 [♂] 21	29°23	16°23	29°3	23°29	20°32	3°44	14°27	7°21	24°24	23°7	15°31	26°39	M20
T 21	17 56 31	29°41'03	12°33	19°35	17°36	29°25	23°24	20°40	3°47	14°29	7°21	24°21	23°4	15°37	26°38	T 21
W22	18 0 27	0 [♂] 38'21	25°0	3°46	18°50	29°46	23°19	20°47	3°50	14°30	7°22	24°D19	23°1	15°44	26°37	W22
T 23	18 4 24	1°35'38	7 [♂] 44	5°57	20°3	0 [♂] 8	23°14	20°55	3°54	14°32	7°23	24°19	22°58	15°51	26°35	T 23
F 24	18 8 20	2°32'53	20°51	8°6	21°16	0°28	23°10	21°3	3°57	14°34	7°24	24°20	22°55	15°58	26°34	F 24
S 25	18 12 17	3°30'09	4 [♂] 24	10°14	22°29	0°48	23°6	21°11	4°0	14°35	7°26	24°22	22°52	16°4	26°32	S 25
S 26	18 16 13	4°27'23	18°23	12°21	23°43	1°8	23°1	21°18	4°3	14°37	7°27	24°R23	22°48	16°11	26°31	S 26
M27	18 20 10	5°24'37	2 [♂] 49	14°26	24°56	1°27	22°57	21°26	4°7	14°38	7°28	24°23	22°45	16°18	26°29	M27
T 28	18 24 6	6°21'51	17°40	16°29	26°9	1°46	22°53	21°34	4°10	14°40	7°29	24°21	22°42	16°24	26°28	T 28
W29	18 28 3	7°19'04	2 [♂] 47	18°31	27°22	2°4	22°50	21°41	4°14	14°42	7°30	24°17	22°39	16°31	26°26	W29
T 30	18 32 0	8 [♂] 16'16	18 [♂] 3	20 [♂] 31	28 [♂] 35	2 [♂] 22	22 ^{II} 46	21 ^{II} 49	4 [♂] 17	14 [♂] 43	7 [♂] 31	24 [♂] 12	22 [♂] 36	16 [♂] 38	26 [♂] 24	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	decl lat	decl lat
W 1	22n 0	25s53	2s35	15n58	2s 7	23n48	0n33	17s 3	2s41	18s 2	1n 6	21n33	1s20	20n 4	0n35	14n21
T 2	22 8	26 46	3 41	16 32	1 59	23 53	0 36	16 57	2 44	18 0	1 6	21 34	1 20	20 4	0 35	14 22
F 3	22 16	25 41	4 32	17 7	1 50	23 58	0 38	16 50	2 47	17 59	1 6	21 35	1 20	20 3	0 35	14 22
S 4	22 23	22 50	5 4	17 42	1 40	24 3	0 40	16 44	2 50	17 57	1 6	21 35	1 20	20 2	0 35	14 23
S 5	22 30	18 38	5 15	18 16	1 30	24 7	0 43	16 38	2 53	17 56	1 6	21 36	1 20	20 2	0 35	14 24
M 6	22 36	13 29	5 8	18 50	1 20	24 10	0 45	16 32	2 56	17 54	1 6	21 37	1 19	20 1	0 35	14 24
T 7	22 43	7 48	4 43	19 23	1 10	24 12	0 47	16 25	2 59	17 53	1 5	21 38	1 19	20 0	0 35	14 25
W 8	22 48	1 55	4 3	19 56	0 59	24 13	0 49	16 19	3 2	17 52	1 5	21 38	1 19	20 0	0 35	14 25
T 9	22 53	3n55	3 12	20 28	0 49	24 14	0 51	16 13	3 5	17 50	1 5	21 39	1 19	19 59	0 35	14 26
F 10	22 58	9 28	2 12	20 59	0 38	24 14	0 54	16 7	3 8	17 49	1 5	21 40	1 19	19 58	0 35	14 26
S 11	23 3	14 33	1 7	21 29	0 27	24 14	0 56	16 2	3 12	17 47	1 5	21 40	1 19	19 58	0 35	14 27
S 12	23 7	18 58	0 0	21 57	0 16	24 13	0 58	15 56	3 15	17 46	1 4	21 41	1 19	19 57	0 34	14 27
M13	23 10	22 32	1n 6	22 23	0 5	24 11	1 0	15 50	3 18	17 45	1 4	21 42	1 19	19 56	0 34	14 28
T 14	23 14	25 5	2 8	22 48	0n 6	24 8	1 2	15 45	3 21	17 44	1 4	21 42	1 19	19 56	0 34	14 28
W15	23 17	26 29	3 4	23 11	0 16	24 4	1 4	15 40	3 25	17 42	1 4	21 43	1 19	19 55	0 34	14 29
T 16	23 19	26 39	3 52	23 32	0 27	24 0	1 5	15 35	3 28	17 41	1 4	21 44	1 19	19 54	0 34	14 29
F 17	23 21	25 37	4 30	23 50	0 37	23 55	1 7	15 29	3 31	17 40	1 3	21 44	1 19	19 53	0 34	14 30
S 18	23 23	23 26	4 56	24 5	0 46	23 50	1 9	15 25	3 35	17 39	1 3	21 45	1 19	19 53	0 34	14 30
S 19	23 24	20 13	5 10	24 19	0 56	23 44	1 11	15 20	3 38	17 38	1 3	21 46	1 19	19 52	0 34	14 31
M20	23 24	16 10	5 10	24 29	1 4	23 37	1 13	15 15	3 42	17 37	1 3	21 46	1 18	19 51	0 34	14 31
T 21	23 25	11 24	4 56	24 36	1 12	23 29	1 14	15 11	3 45	17 36	1 3	21 47	1 18	19 50	0 34	14 32
W22	23 25	6 5	4 28	24 41	1 20	23 21	1 16	15 6	3 49	17 35	1 2	21 47	1 18	19 50	0 34	14 32
T 23	23 24	0 24	3 47	24 43	1 26	23 12	1 17	15 2	3 52	17 34	1 2	21 48	1 18	19 49	0 34	14 33
F 24	23 23	5s28	2 52	24 42	1 33	23 2	1 19	14 58	3 56	17 33	1 2	21 49	1 18	19 48	0 34	14 33
S 25	23 22	11 18	1 47	24 39	1 38	22 52	1 20	14 54	3 59	17 32	1 2	21 49	1 18	19 47	0 34	14 34
S 26	23 20	16 46	0 33	24 33	1 43	22 41	1 22	14 51	4 3	17 31	1 1	21 50	1 18	19 47	0 34	14 34
M27	23 18	21 27	0s46	24 24	1 46	22 29	1 23	14 47	4 7	17 30	1 1	21 50	1 18	19 46	0 34	14 34
T 28	23 16	24 53	2 3	24 13	1 50	22 17	1 24	14 44	4 10	17 29	1 1	21 51	1 18	19 45	0 34	14 35
W29	23 13	26 36	3 13	23 59	1 52	22 4	1 26	14 41	4 14	17 29	1 1	21 51	1 18	19 44	0 34	14 35
T 30	23n 9	26s19	4s 9	23n43	1n54	21n50	1n27	14s38	4s18	17s28	1n 1	21n52	1s18	19n43	0n34	14n36

Julian Day Number = 2527666.5, Delta T = 171.45 sec
Ecliptic obliquity = 23°24'49, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°39'10, Lahiri = 26°46'11

ASTRODIENST EPHEMERIS for the year 2208
geocentric

JULY 2208

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18 35 56	9 ⁵⁵ 13'29	3 ³⁸ 17	22 ²⁹ 29	29 ²⁹ 49	2 ³⁸ 39	22 ²⁹ R43	21 ¹¹ 56	4 ²⁰ 20	14 ⁸ 45	7 ¹⁷ 32	24 ¹⁹ R 5	22 ⁸ 32	16 ²⁹ 44	26 ¹⁹ R22	F 1
S 2	18 39 53	10°10'41	18°18	24°25	1 ¹⁰ 2	2°55	22 ¹⁰ 39	22°4	4°24	14°46	7°34	23 ⁸ 59	22°29	16°51	26 ²⁶ 21	S 2
S 3	18 43 49	11° 7'53	2 ³⁸ 58	26°18	2°15	3°11	22°36	22°12	4°27	14°47	7°35	23°53	22°26	16°58	26°19	S 3
M 4	18 47 46	12° 5'06	17°12	28°10	3°28	3°27	22°33	22°19	4°31	14°49	7°36	23°49	22°23	17°5	26°17	M 4
T 5	18 51 42	13° 2'18	0 ¹⁷ 58	29°59	4°41	3°41	22°31	22°27	4°34	14°50	7°37	23°46	22°20	17°11	26°15	T 5
W 6	18 55 39	13°59'30	14°16	1 ¹⁰ 47	5°54	3°55	22°28	22°34	4°38	14°52	7°39	23°D46	22°17	17°18	26°13	W 6
T 7	18 59 36	14°56'43	27°10	3°33	7°7	4°9	22°26	22°41	4°41	14°53	7°40	23°46	22°13	17°25	26°11	T 7
F 8	19 3 32	15°53'56	9 ³⁸ 44	5°16	8°20	4°22	22°24	22°49	4°45	14°54	7°42	23°47	22°10	17°31	26°8	F 8
S 9	19 7 29	16°51'09	22°1	6°58	9°33	4°34	22°21	22°56	4°48	14°56	7°43	23°R48	22°7	17°38	26°6	S 9
S 10	19 11 25	17°48'23	4 ¹¹ 6	8°37	10°46	4°46	22°20	23°4	4°52	14°57	7°44	23°47	22°4	17°45	26°4	S 10
M 11	19 15 22	18°45'37	16°3	10°14	11°59	4°57	22°18	23°11	4°55	14°58	7°46	23°45	22°1	17°51	26°2	M 11
T 12	19 19 18	19°42'51	27°55	11°49	13°12	5°7	22°16	23°18	4°59	14°59	7°47	23°40	21°58	17°58	25°59	T 12
W 13	19 23 15	20°40'05	9 ²⁹ 45	13°21	14°25	5°16	22°15	23°26	5°3	15°0	7°49	23°33	21°54	18°5	25°57	W 13
T 14	19 27 11	21°37'19	21°35	14°52	15°38	5°25	22°14	23°33	5°6	15°2	7°50	23°23	21°51	18°12	25°55	T 14
F 15	19 31 8	22°34'34	3 ¹⁰ 27	16°21	16°51	5°33	22°13	23°40	5°10	15°3	7°52	23°12	21°48	18°18	25°52	F 15
S 16	19 35 5	23°31'49	15°22	17°47	18°4	5°41	22°12	23°47	5°13	15°4	7°53	23°1	21°45	18°25	25°50	S 16
S 17	19 39 1	24°29'03	27°23	19°11	19°16	5°47	22°12	23°54	5°17	15°5	7°55	22°50	21°42	18°32	25°47	S 17
M 18	19 42 58	25°26'18	9 ¹⁷ 30	20°33	20°29	5°53	22°11	24°1	5°21	15°6	7°56	22°41	21°38	18°38	25°45	M 18
T 19	19 46 54	26°23'33	21°46	21°53	21°42	5°58	22°11	24°8	5°24	15°7	7°58	22°34	21°35	18°45	25°42	T 19
W 20	19 50 51	27°20'48	4 ¹² 14	23°10	22°55	6°3	22°D11	24°15	5°28	15°8	8°0	22°29	21°32	18°52	25°39	W 20
T 21	19 54 47	28°18'03	16°58	24°25	24°8	6°6	22°11	24°22	5°32	15°9	8°1	22°27	21°29	18°58	25°37	T 21
F 22	19 58 44	29°15'19	0 ¹⁰ 0	25°37	25°20	6°9	22°12	24°29	5°35	15°10	8°3	22°D26	21°26	19°5	25°34	F 22
S 23	20 2 40	0 ¹² 12'34	13°25	26°47	26°33	6°11	22°12	24°36	5°39	15°11	8°5	22°26	21°23	19°12	25°31	S 23
S 24	20 6 37	1° 9'50	27°15	27°55	27°46	6°13	22°13	24°43	5°43	15°11	8°6	22°R27	21°19	19°19	25°28	S 24
M 25	20 10 34	2° 7'06	11 ¹⁷ 31	28°59	28°58	6°R13	22°14	24°50	5°46	15°12	8°8	22°25	21°16	19°25	25°26	M 25
T 26	20 14 30	3° 4'22	26°12	0 ¹⁷ 1	0 ¹⁷ 11	6°13	22°15	24°57	5°50	15°13	8°10	22°22	21°13	19°32	25°23	T 26
W 27	20 18 27	4° 1'39	11 ¹³ 13	1°0	1°24	6°12	22°16	25°3	5°54	15°14	8°11	22°16	21°10	19°39	25°20	W 27
T 28	20 22 23	4°58'56	26°27	1°57	2°36	6°10	22°17	25°10	5°57	15°15	8°13	22°8	21°7	19°45	25°17	T 28
F 29	20 26 20	5°56'14	11 ¹⁸ 43	2°50	3°49	6°8	22°19	25°16	6°1	15°15	8°15	21°58	21°4	19°52	25°14	F 29
S 30	20 30 16	6°53'32	26°50	3°39	5°1	6°5	22°21	25°23	6°5	15°16	8°17	21°47	21°0	19°59	25°11	S 30
S 31	20 34 13	7 ¹⁰ 50'51	11 ¹⁸ 39	4 ¹⁷ 26	6 ¹⁷ 14	6 ¹⁸ 1	22 ¹⁰ 23	25 ¹¹ 29	6 ¹⁰ 8	15 ¹⁸ 16	8 ¹⁷ 18	21 ¹⁸ 38	20 ¹⁸ 57	20 ²⁹ 5	25 ²⁸ 8	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	23n 6	24s 4	4s48	23n25	1n54	21n36	1n28	14s35	4s22	17s27	1n 0	21n52	1s18	19n43	0n34	14n36
S 2	23 1	20 11	5 7	23 6	1 55	21 21	1 29	14 33	4 25	17 27	1 0	21 53	1 18	19 42	0 34	14 36
S 3	22 57	15 8	5 4	22 44	1 54	21 6	1 30	14 30	4 29	17 26	1 0	21 53	1 18	19 41	0 34	14 37
M 4	22 52	9 24	4 43	22 21	1 53	20 50	1 31	14 28	4 33	17 26	1 0	21 54	1 18	19 40	0 34	14 37
T 5	22 47	3 23	4 6	21 56	1 51	20 33	1 32	14 26	4 37	17 25	0 59	21 54	1 18	19 39	0 34	14 38
W 6	22 41	2n36	3 16	21 30	1 49	20 16	1 33	14 25	4 41	17 25	0 59	21 55	1 18	19 38	0 34	14 38
T 7	22 35	8 18	2 18	21 3	1 45	19 59	1 33	14 23	4 45	17 25	0 59	21 55	1 18	19 38	0 34	14 38
F 8	22 28	13 32	1 15	20 34	1 42	19 40	1 34	14 22	4 48	17 24	0 59	21 55	1 18	19 37	0 34	14 39
S 9	22 21	18 6	0 10	20 5	1 37	19 22	1 35	14 21	4 52	17 24	0 58	21 56	1 18	19 36	0 34	14 39
S 10	22 14	21 51	0n55	19 35	1 32	19 2	1 35	14 21	4 56	17 24	0 58	21 56	1 18	19 35	0 34	14 39
M 11	22 6	24 37	1 56	19 3	1 27	18 43	1 36	14 20	5 0	17 24	0 58	21 57	1 18	19 34	0 34	14 40
T 12	21 58	26 16	2 52	18 31	1 21	18 22	1 36	14 20	5 4	17 23	0 58	21 57	1 18	19 33	0 34	14 40
W 13	21 50	26 43	3 40	17 59	1 14	18 2	1 36	14 20	5 8	17 23	0 57	21 57	1 18	19 32	0 34	14 40
T 14	21 41	25 56	4 19	17 26	1 7	17 40	1 37	14 20	5 12	17 23	0 57	21 58	1 18	19 32	0 34	14 40
F 15	21 32	23 59	4 46	16 53	1 0	17 18	1 37	14 21	5 16	17 23	0 57	21 58	1 18	19 31	0 34	14 41
S 16	21 22	20 59	5 1	16 19	0 52	16 56	1 37	14 22	5 19	17 23	0 57	21 58	1 18	19 30	0 34	14 41
S 17	21 12	17 6	5 2	15 45	0 44	16 34	1 37	14 23	5 23	17 23	0 56	21 59	1 18	19 29	0 34	14 41
M 18	21 2	12 29	4 51	15 11	0 35	16 10	1 37	14 24	5 27	17 24	0 56	21 59	1 18	19 28	0 34	14 41
T 19	20 51	7 20	4 25	14 36	0 26	15 47	1 37	14 26	5 31	17 24	0 56	21 59	1 18	19 27	0 34	14 42
W 20	20 40	1 48	3 47	14 2	0 16	15 23	1 37	14 28	5 35	17 24	0 56	22 0	1 18	19 26	0 34	14 42
T 21	20 29	3s56	2 57	13 28	0 6	14 59	1 36	14 30	5 38	17 24	0 55	22 0	1 18	19 25	0 34	14 42
F 22	20 17	9 39	1 56	12 54	0s 4	14 34	1 36	14 32	5 42	17 25	0 55	22 0	1 18	19 24	0 34	14 42
S 23	20 5	15 5	0 48	12 21	0 14	14 9	1 35	14 35	5 46	17 25	0 55	22 1	1 18	19 24	0 34	14 43
S 24	19 53	19 56	0s26	11 47	0 25	13 43	1 35	14 38	5 49	17 25	0 55	22 1	1 18	19 23	0 34	14 43
M 25	19 40	23 47	1 39	11 15	0 37	13 18	1 34	14 41	5 53	17 26	0 54	22 1	1 18	19 22	0 34	14 43
T 26	19 27	26 10	2 49	10 42	0 48	12 51	1 34	14 44	5 56	17 26	0 54	22 1	1 18	19 21	0 34	14 43
W 27	19 14	26 44	3 48	10 10	1 0	12 25	1 33	14 48	6 0	17 27	0 54	22 2	1 18	19 20	0 34	14 43
T 28	19 0	25 17	4 32	9 39	1 12	11 58	1 32	14 51	6 3	17 27	0 54	22 2	1 18	19 19	0 34	14 43
F 29	18 46	22 0	4 57	9 9	1 24	11 31	1 31	14 55	6 7	17 28	0 53	22 2	1 18	19 18	0 34	14 44
S 30	18 32	17 15	5 0	8 40	1 36	11 4	1 30	15 0	6 10	17 29	0 53	22 2	1 18	19 17	0 34	14 44
S 31	18n17	11s33	4s43	8n12	1s48	10n36	1n29	15s 4	6s13	17s30	0n53	22n 3	1s18	19n16	0n34	14n44

Julian Day Number = 2527696.5, Delta T = 171.54 sec
Ecliptic obliquity = 23°24'49, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°39'14, Lahiri = 26°46'15

ASTRODIENST EPHEMERIS for the year 2208

geocentric

AUGUST 2208

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 38 9	8♂48'11	26♂1	5♂9	7♂26	5°R56	22♂25	25♂36	6♂12	15♂17	8♂20	21°R30	20♂54	20♂12	25°R 5	M 1
T 2	20 42 6	9°45'31	9°Y54	5°48	8°39	5♂50	22°27	25°42	6°16	15°18	8°22	21♂25	20°51	20°19	25°R 2	T 2
W 3	20 46 3	10°42'53	23°17	6°24	9°51	5°44	22°30	25°49	6°20	15°18	8°24	21°22	20°48	20°26	24°59	W 3
T 4	20 49 59	11°40'16	6♂13	6°55	11° 3	5°37	22°32	25°55	6°23	15°19	8°26	21°21	20°44	20°32	24°56	T 4
F 5	20 53 56	12°37'40	18°46	7°22	12°16	5°29	22°35	26° 1	6°27	15°19	8°28	21°21	20°41	20°39	24°53	F 5
S 6	20 57 52	13°35'05	1♂1	7°45	13°28	5°21	22°38	26° 7	6°31	15°20	8°30	21°21	20°38	20°46	24°50	S 6
S 7	21 1 49	14°32'32	13° 3	8° 3	14°40	5°11	22°41	26°13	6°34	15°20	8°31	21°20	20°35	20°52	24°47	S 7
M 8	21 5 45	15°29'59	24°56	8°17	15°53	5° 2	22°45	26°19	6°38	15°20	8°33	21°16	20°32	20°59	24°44	M 8
T 9	21 9 42	16°27'28	6♂46	8°26	17° 5	4°51	22°48	26°25	6°42	15°21	8°35	21°10	20°29	21° 6	24°41	T 9
W10	21 13 38	17°24'58	18°35	8°R29	18°17	4°40	22°52	26°31	6°45	15°21	8°37	21° 1	20°25	21°12	24°38	W10
T 11	21 17 35	18°22'29	0♂27	8°27	19°29	4°28	22°56	26°37	6°49	15°21	8°39	20°49	20°22	21°19	24°34	T 11
F 12	21 21 32	19°20'01	12°24	8°20	20°41	4°16	23° 0	26°43	6°52	15°21	8°41	20°36	20°19	21°26	24°31	F 12
S 13	21 25 28	20°17'34	24°26	8° 8	21°53	4° 3	23° 4	26°49	6°56	15°22	8°43	20°22	20°16	21°33	24°28	S 13
S 14	21 29 25	21°15'08	6♂36	7°50	23° 5	3°50	23° 8	26°54	7° 0	15°22	8°45	20° 8	20°13	21°39	24°25	S 14
M15	21 33 21	22°12'43	18°54	7°27	24°17	3°36	23°13	27° 0	7° 3	15°22	8°47	19°56	20°10	21°46	24°22	M15
T 16	21 37 18	23°10'19	1♂20	6°59	25°29	3°22	23°17	27° 5	7° 7	15°22	8°49	19°47	20° 6	21°53	24°19	T 16
W17	21 41 14	24° 7'56	13°58	6°25	26°41	3° 7	23°22	27°11	7°10	15°22	8°51	19°41	20° 3	21°59	24°16	W17
T 18	21 45 11	25° 5'34	26°48	5°47	27°53	2°53	23°27	27°16	7°14	15°22	8°53	19°37	20° 0	22° 6	24°12	T 18
F 19	21 49 7	26° 3'13	9♂53	5° 5	29° 5	2°37	23°32	27°21	7°18	15°R22	8°55	19°36	19°57	22°13	24° 9	F 19
S 20	21 53 4	27° 0'53	23°16	4°20	0♂17	2°22	23°37	27°27	7°21	15°22	8°57	19°36	19°54	22°20	24° 6	S 20
S 21	21 57 1	27°58'35	6♂59	3°31	1°29	2° 7	23°43	27°32	7°25	15°22	8°59	19°35	19°50	22°26	24° 3	S 21
M22	22 0 57	28°56'17	21° 4	2°41	2°41	1°51	23°48	27°37	7°28	15°22	9° 1	19°34	19°47	22°33	24° 0	M22
T 23	22 4 54	29°54'00	5♂30	1°49	3°52	1°35	23°54	27°42	7°32	15°22	9° 3	19°31	19°44	22°40	23°57	T 23
W24	22 8 50	0♂51'44	20°14	0°57	5° 4	1°19	24° 0	27°47	7°35	15°22	9° 5	19°24	19°41	22°46	23°53	W24
T 25	22 12 47	1°49'30	5♂12	0° 6	6°16	1° 4	24° 6	27°52	7°39	15°22	9° 7	19°16	19°38	22°53	23°50	T 25
F 26	22 16 43	2°47'16	20°14	29♂16	7°27	0°48	24°12	27°56	7°42	15°21	9° 9	19° 6	19°35	23° 0	23°47	F 26
S 27	22 20 40	3°45'04	5♂11	28°30	8°39	0°32	24°19	28° 1	7°45	15°21	9°11	18°55	19°31	23° 6	23°44	S 27
S 28	22 24 36	4°42'54	19°54	27°47	9°50	0°16	24°25	28° 6	7°49	15°21	9°13	18°45	19°28	23°13	23°41	S 28
M29	22 28 33	5°40'44	4°Y15	27°10	11° 2	0° 1	24°32	28°10	7°52	15°20	9°15	18°37	19°25	23°20	23°38	M29
T 30	22 32 30	6°38'37	18°10	26°38	12°13	29♂46	24°38	28°15	7°56	15°20	9°17	18°31	19°22	23°27	23°35	T 30
W31	22 36 26	7♂36'31	1♂36	26♂13	13♂24	29♂31	24♂45	28♂19	7♂59	15♂20	9♂19	18♂28	19♂19	23♂33	23♂32	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	18n 2	5s23	4s 9	7n44	2s 1	10n 8	1n28	15s 9	6s16	17s30	0n53	22n 3	1s18	19n15	0n34	14n44
T 2	17 47	0n50	3 21	7 18	2 13	9 40	1 27	15 14	6 19	17 31	0 52	22 3	1 18	19 14	0 34	14 44
W 3	17 32	6 49	2 23	6 54	2 26	9 11	1 26	15 18	6 22	17 32	0 52	22 3	1 18	19 14	0 34	14 44
T 4	17 16	12 20	1 19	6 30	2 39	8 43	1 24	15 24	6 24	17 33	0 52	22 3	1 18	19 13	0 34	14 44
F 5	17 0	17 10	0 14	6 9	2 51	8 14	1 23	15 29	6 27	17 34	0 52	22 3	1 18	19 12	0 34	14 44
S 6	16 44	21 10	0n51	5 49	3 3	7 45	1 22	15 34	6 30	17 35	0 51	22 4	1 18	19 11	0 34	14 44
S 7	16 27	24 12	1 52	5 31	3 15	7 16	1 20	15 40	6 32	17 36	0 51	22 4	1 18	19 10	0 34	14 44
M 8	16 10	26 6	2 47	5 15	3 27	6 46	1 18	15 46	6 34	17 37	0 51	22 4	1 18	19 9	0 34	14 44
T 9	15 53	26 49	3 35	5 1	3 39	6 16	1 17	15 52	6 36	17 38	0 51	22 4	1 18	19 8	0 34	14 45
W10	15 36	26 19	4 14	4 50	3 50	5 47	1 15	15 57	6 38	17 39	0 51	22 4	1 18	19 7	0 34	14 45
T 11	15 18	24 36	4 41	4 40	4 0	5 17	1 13	16 3	6 40	17 40	0 50	22 4	1 18	19 6	0 34	14 45
F 12	15 0	21 48	4 56	4 34	4 10	4 47	1 11	16 9	6 41	17 42	0 50	22 4	1 18	19 5	0 34	14 45
S 13	14 42	18 3	4 59	4 30	4 19	4 16	1 9	16 16	6 43	17 43	0 50	22 5	1 18	19 4	0 34	14 45
S 14	14 24	13 32	4 47	4 29	4 27	3 46	1 7	16 22	6 44	17 44	0 50	22 5	1 18	19 4	0 34	14 45
M15	14 6	8 25	4 23	4 31	4 34	3 15	1 5	16 28	6 45	17 46	0 49	22 5	1 18	19 3	0 34	14 45
T 16	13 47	2 55	3 45	4 37	4 40	2 45	1 3	16 34	6 46	17 47	0 49	22 5	1 18	19 2	0 34	14 45
W17	13 28	2s48	2 56	4 45	4 44	2 14	1 0	16 40	6 47	17 48	0 49	22 5	1 18	19 1	0 34	14 44
T 18	13 9	8 30	1 57	4 56	4 47	1 44	0 58	16 46	6 47	17 50	0 49	22 5	1 18	19 0	0 35	14 44
F 19	12 49	13 57	0 51	5 10	4 48	1 13	0 56	16 51	6 48	17 51	0 48	22 5	1 18	18 59	0 35	14 44
S 20	12 30	18 53	0s19	5 27	4 48	0 42	0 53	16 57	6 48	17 53	0 48	22 5	1 18	18 58	0 35	14 44
S 21	12 10	22 56	1 31	5 46	4 45	0 11	0 51	17 3	6 48	17 54	0 48	22 5	1 18	18 57	0 35	14 44
M22	11 50	25 45	2 38	6 8	4 41	0s20	0 48	17 8	6 47	17 56	0 48	22 5	1 18	18 56	0 35	14 44
T 23	11 30	26 55	3 37	6 32	4 35	0 51	0 45	17 13	6 47	17 58	0 48	22 5	1 18	18 56	0 35	14 44
W24	11 9	26 14	4 23	6 57	4 27	1 22	0 43	17 19	6 46	17 59	0 47	22 5	1 18	18 55	0 35	14 44
T 25	10 49	23 40	4 52	7 24	4 17	1 52	0 40	17 23	6 45	18 1	0 47	22 5	1 18	18 54	0 35	14 44
F 26	10 28	19 29	5 1	7 52	4 6	2 23	0 37	17 28	6 44	18 3	0 47	22 5	1 19	18 53	0 35	14 44
S 27	10 7	14 5	4 49	8 21	3 53	2 54	0 34	17 33	6 43	18 4	0 47	22 5	1 19	18 52	0 35	14 44
S 28	9 46	7 57	4 18	8 49	3 38	3 25	0 31	17 37	6 42	18 6	0 46	22 5	1 19	18 51	0 35	14 43
M29	9 25	1 33	3 31	9 16	3 22	3 56	0 28	17 41	6 40	18 8	0 46	22 5	1 19	18 50	0 35	14 43
T 30	9 4	4n45	2 33	9 43	3 6	4 26	0 25	17 45	6 38	18 10	0 46	22 5	1 19	18 50	0 35	14 43
W31	8n42	10n38	1s28	10n 8	2s48	4s57	0n22	17s48	6s36	18s12	0n46	22n 5	1s19	18n49	0n35	14n43

Julian Day Number = 2527727.5, Delta T = 171.63 sec

Ecliptic obliquity = 23°24'50, Nutation = - 0°00'12, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 27°39'19, Lahiri = 26°46'19

ASTRODIENST EPHEMERIS for the year 2208

geocentric

SEPTEMBER 2208

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 40 23	8 ^h 34'27	14 ^h 36	25°R54	14 ^h 36	29°R16	24 ^h 52	28 ^h 23	8 ^h 2	15°R19	9 ^h 21	18°D27	19 ^h 15	23 ^h 40	23°R29	T 1
F 2	22 44 19	9°32'25	27°12	25 ^h 44	15°47	29 ^h 2	25° 0	28°27	8° 5	15 ^h 19	9°23	18 ^h 27	19°12	23°47	23 ^h 26	F 2
S 3	22 48 16	10°30'25	9 ^h 29	25°D41	16°58	28°48	25° 7	28°31	8° 9	15°18	9°25	18°R27	19° 9	23°53	23°23	S 3
S 4	22 52 12	11°28'26	21°31	25°47	18° 9	28°34	25°14	28°35	8°12	15°18	9°27	18°27	19° 6	24° 0	23°20	S 4
M 5	22 56 9	12°26'30	3 ^h 26	26° 1	19°20	28°21	25°22	28°39	8°15	15°17	9°29	18°25	19° 3	24° 7	23°17	M 5
T 6	23 0 5	13°24'35	15°16	26°24	20°31	28° 9	25°30	28°43	8°18	15°17	9°31	18°20	19° 0	24°14	23°14	T 6
W 7	23 4 2	14°22'43	27° 7	26°55	21°42	27°57	25°37	28°47	8°22	15°16	9°33	18°13	18°56	24°20	23°11	W 7
T 8	23 7 59	15°20'52	9 ^h 3	27°34	22°53	27°45	25°45	28°50	8°25	15°15	9°35	18° 4	18°53	24°27	23° 8	T 8
F 9	23 11 55	16°19'03	21° 5	28°21	24° 4	27°34	25°53	28°54	8°28	15°15	9°37	17°53	18°50	24°34	23° 6	F 9
S 10	23 15 52	17°17'16	3 ^h 16	29°16	25°15	27°24	26° 2	28°57	8°31	15°14	9°39	17°42	18°47	24°40	23° 3	S 10
S 11	23 19 48	18°15'30	15°38	0 ^h 18	26°26	27°14	26°10	29° 1	8°34	15°13	9°41	17°31	18°44	24°47	23° 0	S 11
M12	23 23 45	19°13'46	28°11	1°27	27°37	27° 5	26°18	29° 4	8°37	15°13	9°43	17°21	18°41	24°54	22°57	M12
T 13	23 27 41	20°12'04	10 ^h 54	2°42	28°47	26°57	26°27	29° 7	8°40	15°12	9°45	17°14	18°37	25° 1	22°55	T 13
W14	23 31 38	21°10'24	23°49	4° 3	29°58	26°49	26°36	29°10	8°43	15°11	9°47	17° 9	18°34	25° 7	22°52	W14
T 15	23 35 34	22° 8'45	6 ^h 55	5°30	1 ^h 9	26°43	26°44	29°13	8°46	15°10	9°49	17° 6	18°31	25°14	22°49	T 15
F 16	23 39 31	23° 7'08	20°13	7° 1	2°19	26°37	26°53	29°16	8°49	15° 9	9°51	17°D 6	18°28	25°21	22°47	F 16
S 17	23 43 28	24° 5'33	3 ^h 44	8°36	3°30	26°31	27° 2	29°19	8°52	15° 8	9°53	17° 7	18°25	25°27	22°44	S 17
S 18	23 47 24	25° 3'59	17°29	10°15	4°40	26°27	27°12	29°22	8°54	15° 8	9°55	17° 8	18°21	25°34	22°42	S 18
M19	23 51 21	26° 2'27	1 ^h 39	11°56	5°50	26°23	27°21	29°24	8°57	15° 7	9°57	17°R 8	18°18	25°41	22°39	M19
T 20	23 55 17	27° 0'57	15°42	13°41	7° 1	26°20	27°30	29°27	9° 0	15° 6	9°59	17° 6	18°15	25°48	22°37	T 20
W21	23 59 14	27°59'28	0 ^h 8	15°27	8°11	26°18	27°40	29°29	9° 3	15° 5	10° 1	17° 3	18°12	25°54	22°35	W21
T 22	0 3 10	28°58'00	14°42	17°15	9°21	26°17	27°49	29°31	9° 5	15° 4	10° 3	16°57	18° 9	26° 1	22°32	T 22
F 23	0 7 7	29°56'34	29°20	19° 4	10°31	26°D16	27°59	29°33	9° 8	15° 2	10° 5	16°50	18° 6	26° 8	22°30	F 23
S 24	0 11 3	0 ^h 55'10	13 ^h 54	20°54	11°41	26°17	28° 9	29°35	9°11	15° 1	10° 7	16°43	18° 2	26°14	22°28	S 24
S 25	0 15 0	1°53'48	28°18	22°45	12°51	26°18	28°19	29°37	9°13	15° 0	10° 9	16°36	17°59	26°21	22°26	S 25
M26	0 18 57	2°52'27	12 ^h Y24	24°36	14° 1	26°20	28°29	29°39	9°16	14°59	10°11	16°31	17°56	26°28	22°23	M26
T 27	0 22 53	3°51'09	26°10	26°27	15°10	26°23	28°39	29°41	9°18	14°58	10°13	16°27	17°53	26°35	22°21	T 27
W28	0 26 50	4°49'53	9 ^h 33	28°18	16°20	26°26	28°49	29°43	9°21	14°57	10°15	16°25	17°50	26°41	22°19	W28
T 29	0 30 46	5°48'39	22°32	0 ^h 9	17°30	26°30	28°59	29°44	9°23	14°56	10°17	16°D25	17°47	26°48	22°17	T 29
F 30	0 34 43	6 ^h 47'27	5 ^h 9	1 ^h 59	18 ^h 39	26 ^h 36	29 ^h 9	29 ^h 45	9 ^h 26	14 ^h 54	10 ^h 19	16 ^h 26	17 ^h 43	26 ^h 55	22 ^h 15	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	8n21	15n52	0s20	10n31	2s30	5s27	0n19	17s51	6s34	18s14	0n46	22n 5	1s19	18n48	0n35	14n43	1s47	19n19	12n11	17n18	17n31	25n55	7s12	6n51	
F 2	7 59	20 16	0n46	10 52	2 11	5 58	0 16	17 54	6 31	18 16	0 45	22 5	1 19	18 47	0 35	14 43	1 47	19 18	12 11	17 18	17 30	25 54	7 13	6 50	
S 3	7 37	23 39	1 49	11 11	1 52	6 28	0 12	17 57	6 29	18 18	0 45	22 5	1 19	18 46	0 35	14 42	1 47	19 17	12 11	17 18	17 30	25 53	7 15	6 50	
S 4	7 15	25 55	2 46	11 26	1 34	6 58	0 9	17 59	6 26	18 20	0 45	22 5	1 19	18 45	0 35	14 42	1 47	19 17	12 11	17 18	17 29	25 52	7 16	6 50	
M 5	6 53	26 57	3 35	11 39	1 15	7 28	0 6	18 1	6 23	18 22	0 45	22 5	1 19	18 45	0 35	14 42	1 47	19 16	12 12	17 17	17 28	25 52	7 17	6 50	
T 6	6 31	26 45	4 15	11 49	0 57	7 58	0 2	18 3	6 20	18 24	0 45	22 5	1 19	18 44	0 35	14 42	1 47	19 15	12 12	17 16	17 27	25 51	7 18	6 50	
W 7	6 9	25 20	4 43	11 55	0 40	8 28	0s 1	18 4	6 17	18 26	0 44	22 5	1 19	18 43	0 35	14 42	1 47	19 14	12 12	17 14	17 26	25 50	7 19	6 49	
T 8	5 46	22 47	4 59	11 57	0 23	8 58	0 5	18 5	6 14	18 28	0 44	22 5	1 19	18 42	0 35	14 41	1 47	19 14	12 12	17 12	17 25	25 49	7 20	6 49	
F 9	5 24	19 14	5 3	11 56	0 7	9 27	0 8	18 5	6 10	18 30	0 44	22 5	1 19	18 41	0 35	14 41	1 47	19 13	12 12	17 9	17 24	25 48	7 21	6 49	
S 10	5 1	14 50	4 52	11 51	0n 9	9 56	0 12	18 6	6 7	18 32	0 44	22 5	1 19	18 41	0 35	14 41	1 47	19 12	12 12	17 5	17 24	25 47	7 22	6 49	
S 11	4 38	9 46	4 28	11 43	0 23	10 26	0 15	18 6	6 3	18 34	0 44	22 5	1 19	18 40	0 35	14 41	1 47	19 12	12 12	17 2	17 23	25 46	7 24	6 49	
M12	4 16	4 15	3 51	11 30	0 36	10 54	0 19	18 5	5 59	18 36	0 43	22 5	1 19	18 39	0 35	14 40	1 47	19 11	12 12	17 0	17 22	25 46	7 25	6 48	
T 13	3 53	1s32	3 1	11 15	0 48	11 23	0 22	18 4	5 55	18 38	0 43	22 5	1 20	18 38	0 35	14 40	1 47	19 10	12 12	16 58	17 21	25 45	7 26	6 48	
W14	3 30	7 21	2 1	10 56	0 59	11 51	0 26	18 3	5 51	18 41	0 43	22 5	1 20	18 38	0 35	14 40	1 47	19 10	12 13	16 56	17 20	25 44	7 27	6 48	
T 15	3 7	12 57	0 54	10 33	1 9	12 20	0 30	18 2	5 47	18 43	0 43	22 5	1 20	18 37	0 35	14 39	1 47	19 9	12 13	16 56	17 19	25 43	7 28	6 47	
F 16	2 44	18 3	0s17	10 8	1 18	12 47	0 34	18 0	5 43	18 45	0 43	22 5	1 20	18 36	0 35	14 39	1 47	19 8	12 13	16 55	17 18	25 42	7 29	6 47	
S 17	2 21	22 19	1 28	9 39	1 25	13 15	0 37	17 58	5 39	18 47	0 42	22 5	1 20	18 35	0 35	14 39	1 47	19 8	12 13	16 56	17 17	25 41	7 30	6 47	
S 18	1 57	25 25	2 36	9 8	1 32	13 42	0 41	17 55	5 34	18 49	0 42	22 5	1 20	18 35	0 35	14 39	1 47	19 7	12 13	16 56	17 17	25 40	7 31	6 47	
M19	1 34	27 0	3 35	8 35	1 37	14 9	0 45	17 52	5 30	18 52	0 42	22 5	1 20	18 34	0 35	14 38	1 47	19 7	12 13	16 56	17 16	25 39	7 32	6 46	
T 20	1 11	26 50	4 23	7 59	1 42	14 36	0 49	17 49	5 26	18 54	0 42	22 5	1 20	18 33	0 35	14 38	1 48	19 6	12 13	16 55	17 15	25 38	7 33	6 46	
W21	0 48	24 53	4 54	7 21	1 45	15 3	0 52	17 46	5 21	18 56	0 42	22 5	1 20	18 33	0 35	14 38	1 48	19 5	12 14	16 54	17 14	25 37	7 34	6 46	
T 22	0 25	21 18	5 7	6 41	1 48	15 29	0 56	17 42	5 17	18 59	0 42	22 5	1 20	18 32	0 35	14 37	1 48	19 5	12 14	16 53	17 13	25 36	7 35	6 45	
F 23	0 1	16 22	5 0	6 0	1 50	15 54	1 0	17 38	5 12	19 1	0 41	22 5	1 20	18 31	0 35	14 37	1 48	19 4	12 14	16 51	17 12	25 35	7 36	6 45	
S 24	0s22	10 32	4 34	5 17	1 50	16 20	1 4	17 33	5 7	19 3	0 41	22 5	1 20	18 31	0 35	14 37	1 48	19 4	12 14	16 49	17 11	25 34	7 37	6 45	
S 25	0 45	4 12	3 50	4 34	1 50	16 45	1 7	17 29	5 3	19 6	0 41	22 5	1 20	18 30	0 35	14 36	1 48	19 3	12 14	16 47	17 10	25 33	7 38	6 44	
M26	1 9	2n14	2 53	3 49	1 50	17 10	1 11	17 24	4 58	19 8	0 41	22 4	1 20	18 29	0 35	14 36	1 48	19 2	12 15	16 45	17 9	25 32	7 39	6 44	
T 27	1 32	8 25	1 47	3 4	1 48	17 34	1 15	17 18	4 54	19 10	0 41	22 4	1 20	18 29	0 35	14 35	1 48	19 2	12 15	16 44	17 9	25 31	7 40	6 44	
W28	1 55	14 4	0 37	2 18	1 46	17 58	1 19	17 13	4 49	19 13	0 41	22 4	1 20	18 28	0 36	14 35	1 48	19 1	12 15	16 44	17 8	25 30	7 41	6 43	
T 29	2 18	18 55	0n33	1 32	1 44	18 21	1 23	17 7	4 44	19 15	0 40	22 4	1 21	18 27	0 36	14 35	1 48	19 1	12 15	16 44	17 7	25 29	7 42	6 43	
F 30	2s42	22n47	1n40	0n45	1n41	18s44	1s26	17s 1	4s40	19s18	0n40	22n 4	1s21	18n27	0n36	14n34	1s48	19n 0	12n15	16n44	17n 6	25n28	7s43	6n43	

ASTRODIENST EPHEMERIS for the year 2208
geocentric

OCTOBER 2208

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 38 39	7 ⁴⁶ 17	17 ¹¹ 28	3 ⁴⁹ 49	19 ¹⁸ 48	26 ⁴¹ 41	29 ¹⁸ 20	29 ¹¹ 47	9 ¹² 28	14 ¹⁸ 53	10 ¹⁷ 21	16 ¹⁸ 28	17 ¹⁸ 40	27 ¹⁸ 1	22 ¹⁸ 13	S 1
S 2	0 42 36	8 ⁴⁵ 10	29 ³³	5 ³⁸	20 ⁵⁸	26 ⁴⁸	29 ³⁰	29 ⁴⁸	9 ³⁰	14 ¹⁸ 52	10 ²²	16 ²⁹	17 ³⁷	27 ⁸	22 ¹⁸ 12	S 2
M 3	0 46 32	9 ⁴⁴ 05	11 ¹⁸ 30	7 ²⁷	22 ⁷	26 ⁵⁵	29 ⁴¹	29 ⁴⁹	9 ³³	14 ⁵¹	10 ²⁴	16 ¹⁸ 30	17 ³⁴	27 ¹⁵	22 ¹⁰	M 3
T 4	0 50 29	10 ⁴³ 02	23 ²²	9 ¹⁴	23 ¹⁶	27 ³	29 ⁵²	29 ⁵⁰	9 ³⁵	14 ⁴⁹	10 ²⁶	16 ²⁹	17 ³¹	27 ²²	22 ⁸	T 4
W 5	0 54 26	11 ⁴² 01	5 ¹² 14	11 ¹	24 ²⁵	27 ¹²	0 ¹ 3	29 ⁵¹	9 ³⁷	14 ⁴⁸	10 ²⁸	16 ²⁶	17 ²⁷	27 ²⁸	22 ⁶	W 5
T 6	0 58 22	12 ⁴¹ 03	17 ¹²	12 ⁴⁸	25 ³⁴	27 ²²	0 ¹³	29 ⁵²	9 ³⁹	14 ⁴⁷	10 ³⁰	16 ²²	17 ²⁴	27 ³⁵	22 ⁵	T 6
F 7	1 2 19	13 ⁴⁰ 07	29 ¹⁹	14 ³³	26 ⁴³	27 ³²	0 ²⁴	29 ⁵²	9 ⁴¹	14 ⁴⁵	10 ³¹	16 ¹⁷	17 ²¹	27 ⁴²	22 ³	F 7
S 8	1 6 15	14 ³⁹ 13	11 ¹⁷ 38	16 ¹⁸	27 ⁵²	27 ⁴³	0 ³⁶	29 ⁵³	9 ⁴³	14 ⁴⁴	10 ³³	16 ¹²	17 ¹⁸	27 ⁴⁸	22 ²	S 8
S 9	1 10 12	15 ³⁸ 21	24 ¹¹	18 ¹	29 ¹	27 ⁵⁵	0 ⁴⁷	29 ⁵³	9 ⁴⁵	14 ⁴²	10 ³⁵	16 ⁶	17 ¹⁵	27 ⁵⁵	22 ⁰	S 9
M10	1 14 8	16 ³⁷ 32	6 ¹⁵ 59	19 ⁴⁴	0 ¹ 9	28 ⁷	0 ⁵⁸	29 ⁵⁴	9 ⁴⁷	14 ⁴¹	10 ³⁷	16 ¹	17 ¹²	28 ²	21 ⁵⁹	M10
T 11	1 18 5	17 ³⁶ 44	20 ¹	21 ²⁷	1 ¹⁸	28 ²⁰	1 ⁹	29 ⁵⁴	9 ⁴⁹	14 ³⁹	10 ³⁸	15 ⁵⁸	17 ⁸	28 ⁹	21 ⁵⁷	T 11
W12	1 22 1	18 ³⁵ 58	3 ¹⁸ 18	23 ⁸	2 ²⁶	28 ³⁴	1 ²¹	29 ⁵⁴	9 ⁵¹	14 ³⁸	10 ⁴⁰	15 ⁵⁶	17 ⁵	28 ¹⁵	21 ⁵⁶	W12
T 13	1 25 58	19 ³⁵ 15	16 ⁴⁹	24 ⁴⁹	3 ³⁴	28 ⁴⁹	1 ³²	29 ⁵⁴	9 ⁵³	14 ³⁷	10 ⁴²	15 ⁵⁵	17 ²	28 ²²	21 ⁵⁵	T 13
F 14	1 29 54	20 ³⁴ 33	0 ¹ 30	26 ²⁹	4 ⁴²	29 ⁴	1 ⁴⁴	29 ⁵⁴	9 ⁵⁴	14 ³⁵	10 ⁴³	15 ⁵⁶	16 ⁵⁹	28 ²⁹	21 ⁵⁴	F 14
S 15	1 33 51	21 ³³ 54	14 ²¹	28 ⁸	5 ⁵⁰	29 ¹⁹	1 ⁵⁵	29 ⁵³	9 ⁵⁶	14 ³³	10 ⁴⁵	15 ⁵⁷	16 ⁵⁶	28 ³⁵	21 ⁵³	S 15
S 16	1 37 48	22 ³³ 16	28 ²⁰	29 ⁴⁶	6 ⁵⁸	29 ³⁶	2 ⁷	29 ⁵³	9 ⁵⁸	14 ³²	10 ⁴⁷	15 ⁵⁹	16 ⁵²	28 ⁴²	21 ⁵²	S 16
M17	1 41 44	23 ³² 40	12 ¹ 26	1 ¹⁸ 24	8 ⁶	29 ⁵³	2 ¹⁹	29 ⁵³	9 ⁵⁹	14 ³⁰	10 ⁴⁸	16 ⁰	16 ⁴⁹	28 ⁴⁹	21 ⁵¹	M17
T 18	1 45 41	24 ³² 06	26 ³⁷	3 ¹	9 ¹⁴	0 ¹ 10	2 ³⁰	29 ⁵²	10 ¹	14 ²⁹	10 ⁵⁰	16 ¹⁸	16 ⁴⁶	28 ⁵⁶	21 ⁵⁰	T 18
W19	1 49 37	25 ³¹ 33	10 ¹ 50	4 ³⁷	10 ²¹	0 ²⁸	2 ⁴²	29 ⁵¹	10 ³	14 ²⁷	10 ⁵¹	16 ⁰	16 ⁴³	29 ²	21 ⁴⁹	W19
T 20	1 53 34	26 ³¹ 02	25 ⁴	6 ¹³	11 ²⁹	0 ⁴⁷	2 ⁵⁴	29 ⁵⁰	10 ⁴	14 ²⁶	10 ⁵³	15 ⁵⁸	16 ⁴⁰	29 ⁹	21 ⁴⁸	T 20
F 21	1 57 30	27 ³⁰ 32	9 ¹ 15	7 ⁴⁷	12 ³⁶	1 ⁶	3 ⁶	29 ⁵⁰	10 ⁵	14 ²⁴	10 ⁵⁵	15 ⁵⁶	16 ³⁷	29 ¹⁶	21 ⁴⁷	F 21
S 22	2 1 27	28 ³⁰ 05	23 ²⁰	9 ²²	13 ⁴³	1 ²⁶	3 ¹⁸	29 ⁴⁸	10 ⁷	14 ²³	10 ⁵⁶	15 ⁵³	16 ³³	29 ²²	21 ⁴⁷	S 22
S 23	2 5 23	29 ²⁹ 39	7 ¹ 16	10 ⁵⁵	14 ⁵⁰	1 ⁴⁶	3 ³⁰	29 ⁴⁷	10 ⁸	14 ²¹	10 ⁵⁷	15 ⁵¹	16 ³⁰	29 ²⁹	21 ⁴⁶	S 23
M24	2 9 20	0 ¹ 29 ¹⁵	20 ⁵⁸	12 ²⁹	15 ⁵⁷	2 ⁷	3 ⁴³	29 ⁴⁶	10 ⁹	14 ¹⁹	10 ⁵⁹	15 ⁴⁹	16 ²⁷	29 ³⁶	21 ⁴⁶	M24
T 25	2 13 17	1 ²⁸ 53	4 ¹ 24	14 ¹	17 ³	2 ²⁹	3 ⁵⁵	29 ⁴⁵	10 ¹¹	14 ¹⁸	11 ⁰	15 ⁴⁸	16 ²⁴	29 ⁴³	21 ⁴⁵	T 25
W26	2 17 13	2 ²⁸ 33	17 ³⁴	15 ³³	18 ¹⁰	2 ⁵⁰	4 ⁷	29 ⁴³	10 ¹²	14 ¹⁶	11 ²	15 ⁴⁸	16 ²¹	29 ⁴⁹	21 ⁴⁵	W26
T 27	2 21 10	3 ²⁸ 16	0 ¹ 25	17 ⁴	19 ¹⁶	3 ¹³	4 ¹⁹	29 ⁴²	10 ¹³	14 ¹⁴	11 ³	15 ⁴⁸	16 ¹⁸	29 ⁵⁶	21 ⁴⁴	T 27
F 28	2 25 6	4 ²⁸ 00	12 ⁵⁸	18 ³⁵	20 ²²	3 ³⁵	4 ³²	29 ⁴⁰	10 ¹⁴	14 ¹³	11 ⁵	15 ⁴⁹	16 ¹⁴	0 ¹ 3	21 ⁴⁴	F 28
S 29	2 29 3	5 ²⁷ 46	25 ¹⁷	20 ⁵	21 ²⁸	3 ⁵⁹	4 ⁴⁴	29 ³⁸	10 ¹⁵	14 ¹¹	11 ⁶	15 ⁵⁰	16 ¹¹	0 ⁹	21 ⁴⁴	S 29
S 30	2 32 59	6 ²⁷ 35	7 ¹ 23	21 ³⁵	22 ³⁴	4 ²²	4 ⁵⁷	29 ³⁶	10 ¹⁶	14 ⁹	11 ⁷	15 ⁵¹	16 ⁸	0 ¹⁶	21 ⁴⁴	S 30
M31	2 36 56	7 ¹ 27 ²⁶	19 ¹ 20	23 ¹⁸ 4	23 ¹ 39	4 ¹ 46	5 ¹ 9	29 ¹ 34	10 ¹ 17	14 ¹ 8	11 ¹ 7	15 ¹ 52	16 ¹ 8	0 ¹ 23	21 ¹ 44	M31

Day	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	3s 5	25n29	2n41	0s 2	1n37	19s 7	1s30	16s54	4s35	19s20	0n40	22n 4	1s21	18n26	0n36	14n34	1s48	19n 0	12n16
S 2	3 28	26 58	3 33	0 48	1 33	19 29	1 34	16 48	4 30	19 22	0 40	22 4	1 21	18 26	0 36	14 33	1 48	18 59	12 16
M 3	3 51	27 9	4 15	1 35	1 29	19 51	1 38	16 41	4 26	19 25	0 40	22 4	1 21	18 25	0 36	14 33	1 48	18 59	12 16
T 4	4 14	26 6	4 47	2 22	1 24	20 12	1 41	16 34	4 21	19 27	0 40	22 4	1 21	18 25	0 36	14 33	1 48	18 58	12 16
W 5	4 37	23 52	5 5	3 8	1 19	20 33	1 45	16 26	4 16	19 30	0 39	22 4	1 21	18 24	0 36	14 32	1 48	18 58	12 17
T 6	5 0	20 36	5 11	3 55	1 14	20 54	1 49	16 19	4 12	19 32	0 39	22 4	1 21	18 23	0 36	14 32	1 48	18 57	12 17
F 7	5 23	16 26	5 3	4 41	1 8	21 13	1 52	16 11	4 7	19 35	0 39	22 4	1 21	18 23	0 36	14 31	1 48	18 57	12 17
S 8	5 46	11 32	4 42	5 26	1 3	21 33	1 56	16 3	4 3	19 37	0 39	22 4	1 21	18 22	0 36	14 31	1 48	18 57	12 17
S 9	6 9	6 4	4 6	6 11	0 57	21 52	2 0	15 55	3 58	19 40	0 39	22 4	1 21	18 22	0 36	14 30	1 48	18 56	12 18
M10	6 32	0 15	3 17	6 56	0 50	22 10	2 3	15 46	3 54	19 42	0 39	22 4	1 21	18 21	0 36	14 30	1 48	18 56	12 18
T 11	6 54	5s42	2 17	7 40	0 44	22 28	2 7	15 37	3 49	19 44	0 39	22 4	1 21	18 21	0 36	14 30	1 48	18 55	12 18
W12	7 17	11 32	1 9	8 24	0 38	22 45	2 10	15 28	3 45	19 47	0 38	22 3	1 21	18 20	0 36	14 29	1 48	18 55	12 19
T 13	7 39	16 55	0s 5	9 7	0 31	23 2	2 14	15 19	3 41	19 49	0 38	22 3	1 21	18 20	0 36	14 29	1 48	18 55	12 19
F 14	8 2	21 31	1 19	9 49	0 24	23 18	2 17	15 10	3 36	19 52	0 38	22 3	1 21	18 20	0 36	14 28	1 48	18 54	12 19
S 15	8 24	24 59	2 30	10 31	0 18	23 34	2 20	15 0	3 32	19 54	0 38	22 3	1 22	18 19	0 36	14 28	1 48	18 54	12 19
S 16	8 46	26 57	3 32	11 12	0 11	23 49	2 23	14 51	3 28	19 57	0 38	22 3	1 22	18 19	0 36	14 27	1 48	18 53	12 20
M17	9 8	27 11	4 23	11 53	0 4	24 3	2 27	14 41	3 24	19 59	0 38	22 3	1 22	18 18	0 36	14 27	1 48	18 53	12 20
T 18	9 30	25 40	4 57	12 33	0s 3	24 17	2 30	14 30	3 19	20 2	0 38	22 3	1 22	18 18	0 36	14 26	1 48	18 53	12 20
W19	9 52	22 31	5 14	13 12	0 10	24 30	2 33	14 20	3 15	20 4	0 37	22 3	1 22	18 18	0 36	14 26	1 48	18 52	12 21
T 20	10 13	18 2	5 11	13 50	0 17	24 43	2 36	14 10	3 11	20 6	0 37	22 3	1 22	18 17	0 36	14 25	1 49	18 52	12 21
F 21	10 35	12 33	4 49	14 28	0 23	24 55	2 39	13 59	3 7	20 9	0 37	22 3	1 22	18 17	0 36	14 25	1 49	18 52	12 21
S 22	10 56	6 28	4 10	15 5	0 30	25 6	2 42	13 48	3 3	20 11	0 37	22 3	1 22	18 17	0 36	14 24	1 49	18 52	12 22
S 23	11 17	0 8	3 17	15 41	0 37	25 17	2 45	13 37	2 59	20 14	0 37	22 3	1 22	18 16	0 36	14 24	1 49	18 51	12 22
M24	11 38	6n 7	2 13	16 16	0 44	25 27	2 47	13 26	2 55	20 16	0 37	22 3	1 22	18 16	0 36	14 23	1 49	18 51	12 22
T 25	11 59	12 0	1 3	16 50	0 51	25 36	2 50	13 15	2 51	20 19	0 37	22 3	1 22	18 16	0 36	14 23	1 49	18 51	12 23
W26	12 19	17 12	0n10	17 24	0 57	25 45	2 53	13 3	2 48	20 21	0 36	22 3	1 22	18 15	0 37	14 22	1 49	18 51	12 23
T 27	12 40	21 31	1 20	17 56	1 4	25 53	2 55	12 52	2 44	20 23	0 36	22 3	1 22	18 15	0 37	14 22	1 49	18 50	12 23
F 28	13 0	24 43	2 25	18 28	1 10	26 1	2 57	12 40	2 40	20 26	0 36	22 3	1 22	18 15	0 37	14 21	1 49	18 50	12 24
S 29	13 20	26 41	3 22	18 59	1 17	26 8	3 0	12 28	2 36	20 28	0 36	22 3	1 22	18 15	0 37	14 21	1 49	18 50	12 24
S 30	13 40	27 20	4 8	19 28	1 23	26 14	3 2	12 16	2 33	20 31	0 36	22 2	1 22	18 14	0 37	14 20	1 49	18 50	12 25
M31	13s59	26n42	4n44	19s57	1s29	26s20	3s 4	12s 4	2s29	20s33	0n36	22n 2	1s22	18n14	0n37	14n20	1s49	18n50	12n25

ASTRODIENST EPHEMERIS for the year 2208
geocentric

NOVEMBER 2208

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 40 52	8♉27°19	1♊12	24♋32	24♌44	5♍11	5♎22	29°R32	10♏18	14°R 6	11♐10	15♑53	16♒2	0♓30	21°D44	T 1
W 2	2 44 49	9°27'14	13° 5	26° 0	25°50	5°36	5°35	29°II30	10°18	14♓4	11°11	15°R53	15°58	0°36	21°44	W 2
T 3	2 48 46	10°27'12	25° 3	27°27	26°54	6° 1	5°47	29°28	10°19	14° 3	11°12	15°52	15°55	0°43	21°44	T 3
F 4	2 52 42	11°27'11	7♊11	28°54	27°59	6°27	6° 0	29°25	10°20	14° 1	11°14	15°52	15°52	0°50	21°44	F 4
S 5	2 56 39	12°27'13	19°32	0♋20	29° 3	6°53	6°13	29°23	10°20	13°59	11°15	15°52	15°49	0°56	21°44	S 5
S 6	3 0 35	13°27'16	2♊10	1°45	0♌8	7°19	6°26	29°20	10°21	13°58	11°16	15°51	15°46	1° 3	21°45	S 6
M 7	3 4 32	14°27'22	15° 7	3°10	1°12	7°46	6°39	29°18	10°22	13°56	11°17	15°51	15°43	1°10	21°45	M 7
T 8	3 8 28	15°27'30	28°25	4°34	2°15	8°13	6°52	29°15	10°22	13°54	11°18	15°D51	15°39	1°17	21°46	T 8
W 9	3 12 25	16°27'39	12♉3	5°57	3°19	8°41	7° 5	29°12	10°22	13°53	11°19	15°R51	15°36	1°23	21°46	W 9
T 10	3 16 21	17°27'51	25°58	7°19	4°22	9° 9	7°18	29° 9	10°23	13°51	11°20	15°51	15°33	1°30	21°47	T 10
F 11	3 20 18	18°28'04	10♋8	8°40	5°25	9°37	7°31	29° 6	10°23	13°49	11°21	15°51	15°30	1°37	21°47	F 11
S 12	3 24 15	19°28'19	24°28	10° 0	6°28	10° 6	7°44	29° 3	10°23	13°47	11°22	15°50	15°27	1°43	21°48	S 12
S 13	3 28 11	20°28'36	8♌53	11°19	7°30	10°35	7°57	29° 0	10°23	13°46	11°23	15°50	15°24	1°50	21°49	S 13
M14	3 32 8	21°28'54	23°18	12°37	8°32	11° 4	8°10	28°56	10°24	13°44	11°24	15°49	15°20	1°57	21°50	M14
T 15	3 36 4	22°29'13	7♋38	13°53	9°34	11°33	8°23	28°53	10°24	13°42	11°25	15°49	15°17	2° 4	21°51	T 15
W16	3 40 1	23°29'34	21°52	15° 8	10°35	12° 3	8°36	28°49	10°R24	13°41	11°26	15°D49	15°14	2°10	21°52	W16
T 17	3 43 57	24°29'56	5♍55	16°20	11°36	12°33	8°49	28°46	10°24	13°39	11°27	15°49	15°11	2°17	21°53	T 17
F 18	3 47 54	25°30'20	19°48	17°31	12°36	13° 3	9° 3	28°42	10°24	13°38	11°28	15°49	15° 8	2°24	21°54	F 18
S 19	3 51 50	26°30'44	3♎28	18°40	13°37	13°34	9°16	28°38	10°23	13°36	11°28	15°50	15° 4	2°31	21°55	S 19
S 20	3 55 47	27°31'10	16°56	19°46	14°36	14° 5	9°29	28°35	10°23	13°34	11°29	15°51	15° 1	2°37	21°56	S 20
M21	3 59 44	28°31'38	0♉11	20°49	15°36	14°36	9°43	28°31	10°23	13°33	11°30	15°52	14°58	2°44	21°57	M21
T 22	4 3 40	29°32'07	13°13	21°49	16°35	15° 7	9°56	28°27	10°23	13°31	11°31	15°R53	14°55	2°51	21°59	T 22
W23	4 7 37	0♋32'37	26° 3	22°45	17°33	15°39	10° 9	28°23	10°22	13°29	11°31	15°52	14°52	2°57	22° 0	W23
T 24	4 11 33	1°33'09	8♊39	23°37	18°31	16°11	10°23	28°19	10°22	13°28	11°32	15°51	14°49	3° 4	22° 2	T 24
F 25	4 15 30	2°33'43	21° 3	24°25	19°29	16°43	10°36	28°14	10°21	13°26	11°32	15°49	14°45	3°11	22° 3	F 25
S 26	4 19 26	3°34'18	3♌16	25° 6	20°26	17°15	10°49	28°10	10°21	13°25	11°33	15°47	14°42	3°18	22° 5	S 26
S 27	4 23 23	4°34'55	15°20	25°42	21°23	17°48	11° 3	28° 6	10°20	13°23	11°34	15°44	14°39	3°24	22° 7	S 27
M28	4 27 20	5°35'33	27°16	26°12	22°19	18°20	11°16	28° 2	10°20	13°22	11°34	15°41	14°36	3°31	22° 8	M28
T 29	4 31 16	6°36'13	9♊8	26°33	23°14	18°53	11°30	27°57	10°19	13°20	11°35	15°38	14°33	3°38	22°10	T 29
W30	4 35 13	7♋36'54	21♊0	26♋47	24♌9	19♍26	11♎43	27°II53	10♏18	13♐19	11♑35	15♑36	14♒30	3♓44	22°12	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	14s18	24n51	5n 7	20s25	1s35	26s25	3s 6	11s51	2s26	20s35	0n36	22n 2	1s22	18n14	0n37	14n19	1s49	18n50	12n25	16n34	16n37	24n52	8s 6	6n29	
W 2	14 38	21 55	5 16	20 52	1 41	26 29	3 8	11 39	2 22	20 38	0 36	22 2	1 22	18 14	0 37	14 19	1 49	18 49	12 26	16 34	16 36	24 51	8 7	6 28	
T 3	14 56	18 4	5 13	21 18	1 47	26 32	3 10	11 26	2 19	20 40	0 36	22 2	1 22	18 14	0 37	14 18	1 49	18 49	12 26	16 34	16 35	24 49	8 7	6 28	
F 4	15 15	13 26	4 55	21 43	1 52	26 35	3 12	11 14	2 15	20 42	0 35	22 2	1 22	18 14	0 37	14 18	1 49	18 49	12 27	16 34	16 34	24 48	8 8	6 27	
S 5	15 34	8 11	4 24	22 7	1 57	26 38	3 13	11 1	2 12	20 45	0 35	22 2	1 23	18 13	0 37	14 17	1 49	18 49	12 27	16 34	16 33	24 47	8 8	6 27	
S 6	15 52	2 30	3 39	22 29	2 2	26 39	3 15	10 48	2 8	20 47	0 35	22 2	1 23	18 13	0 37	14 17	1 49	18 49	12 27	16 34	16 32	24 45	8 8	6 26	
M 7	16 10	3s27	2 42	22 51	2 7	26 40	3 16	10 35	2 5	20 49	0 35	22 2	1 23	18 13	0 37	14 16	1 49	18 49	12 28	16 34	16 32	24 44	8 9	6 26	
T 8	16 27	9 25	1 35	23 11	2 12	26 41	3 17	10 22	2 2	20 51	0 35	22 2	1 23	18 13	0 37	14 16	1 49	18 49	12 28	16 34	16 31	24 43	8 9	6 25	
W 9	16 44	15 6	0 21	23 31	2 16	26 41	3 18	10 8	1 59	20 54	0 35	22 2	1 23	18 13	0 37	14 15	1 49	18 49	12 28	16 34	16 30	24 41	8 9	6 25	
T 10	17 2	20 8	0s56	23 49	2 20	26 40	3 19	9 55	1 56	20 56	0 35	22 2	1 23	18 13	0 37	14 15	1 49	18 49	12 29	16 34	16 29	24 40	8 9	6 25	
F 11	17 18	24 6	2 11	24 5	2 24	26 38	3 20	9 42	1 53	20 58	0 35	22 2	1 23	18 13	0 37	14 14	1 49	18 49	12 29	16 34	16 28	24 39	8 10	6 24	
S 12	17 35	26 36	3 18	24 21	2 27	26 36	3 21	9 28	1 49	21 0	0 35	22 2	1 23	18 13	0 37	14 14	1 49	18 49	12 30	16 34	16 27	24 38	8 10	6 24	
S 13	17 51	27 20	4 13	24 35	2 30	26 33	3 21	9 14	1 46	21 3	0 34	22 2	1 23	18 13	0 37	14 13	1 49	18 49	12 30	16 34	16 26	24 36	8 10	6 23	
M14	18 7	26 13	4 53	24 48	2 33	26 30	3 22	9 0	1 43	21 5	0 34	22 2	1 23	18 13	0 37	14 13	1 49	18 49	12 31	16 33	16 25	24 35	8 10	6 23	
T 15	18 22	23 23	5 14	25 0	2 35	26 26	3 22	8 46	1 41	21 7	0 34	22 2	1 23	18 13	0 37	14 12	1 49	18 49	12 31	16 33	16 24	24 33	8 10	6 22	
W16	18 38	19 10	5 15	25 11	2 36	26 21	3 22	8 32	1 38	21 9	0 34	22 2	1 23	18 13	0 37	14 12	1 49	18 49	12 31	16 33	16 23	24 32	8 10	6 22	
T 17	18 53	13 56	4 58	25 20	2 38	26 16	3 22	8 18	1 35	21 11	0 34	22 2	1 23	18 13	0 37	14 12	1 49	18 49	12 32	16 33	16 22	24 31	8 11	6 21	
F 18	19 7	8 4	4 23	25 27	2 38	26 10	3 22	8 4	1 32	21 13	0 34	22 2	1 23	18 13	0 37	14 11	1 49	18 49	12 32	16 33	16 21	24 29	8 11	6 21	
S 19	19 21	1 53	3 34	25 34	2 38	26 3	3 21	7 50	1 29	21 16	0 34	22 2	1 23	18 13	0 37	14 11	1 49	18 49	12 33	16 34	16 20	24 28	8 11	6 20	
S 20	19 35	4n17	2 33	25 38	2 38	25 56	3 21	7 35	1 26	21 18	0 34	22 2	1 23	18 13	0 38	14 10	1 49	18 49	12 33	16 34	16 20	24 27	8 11	6 20	
M21	19 49	10 11	1 26	25 42	2 36	25 49	3 20	7 21	1 24	21 20	0 34	22 2	1 23	18 13	0 38	14 10	1 49	18 49	12 34	16 34	16 19	24 25	8 11	6 20	
T 22	20 2	15 34	0 15	25 44	2 34	25 41	3 19	7 6	1 21	21 22	0 34	22 2	1 23	18 13	0 38	14 9	1 49	18 49	12 34	16 34	16 18	24 24	8 11	6 19	
W23	20 15	20 9	0n56	25 44	2 32	25 32	3 18	6 51	1 19	21 24	0 33	22 2	1 23	18 14	0 38	14 9	1 49	18 50	12 34	16 34	16 17	24 22	8 11	6 19	
T 24	20 27	23 44	2 3	25 43	2 28	25 23	3 17	6 37	1 16	21 26	0 33	22 2	1 23	18 14	0 38	14 8	1 48	18 50	12 35	16 34	16 16	24 21	8 11	6 18	
F 25	20 39	26 8	3 2	25 41	2 23	25 13	3 15	6 22	1 13	21 28	0 33	22 2	1 23	18 14	0 38	14 8	1 48	18 50	12 35	16 34	16 15	24 20	8 11	6 18	
S 26	20 51	27 15	3 52	25 37	2 17	25 3	3 14	6 7	1 11	21 30	0 33	22 1	1 23	18 14	0 38	14 7	1 48	18 50	12 36	16 33	16 14	24 18	8 11	6 17	
S 27	21 2	27 2	4 32	25 31	2 10	24 52	3 12	5 52	1 8	21 32	0 33	22 1	1 23	18 14	0 38	14 7	1 48	18 50	12 36	16 32	16 13	24 17	8 10	6 17	
M28	21 13	25 34	4 58	25 24	2 2	24 41	3 10	5 37	1 6	21 34	0 33	22 1	1 23	18 14	0 38	14 7	1 48	18 51	12 37	16 31	16 12	24 15	8 10	6 16	
T 29	21 23	22 58	5 12	25 15	1 53	24 30	3 7	5 22	1 4	21 36	0 33	22 1	1 23	18 15	0 38	14 6	1 48	18 51	12 37	16 30	16 11	24 14	8 10	6 16	
W30	21s33	19n25	5n13	25s 5	1s42	24s18	3s 5	5s 7	1s 1	21s37	0n33	22n 1	1s22	18n15	0n38	14n 6	1s48	18n51	12n38	16n30	16n10	24n12	8s10	6n16	

ASTRODIENST EPHEMERIS for the year 2208
geocentric

DECEMBER 2208

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	4 39 9	8♌37°37'	2♍56	26°R51	25♊3	20♋0	11♌57	27°R48	10°R17	13°R17	11♍35	15°R35	14♎26	3♏51	22♐14	T 1
F 2	4 43 6	9°38'21"	15° 1	26♌45	25°57	20°33	12°10	27♍44	10♎17	13♏16	11°36	15°D34	14°23	3°58	22°16	F 2
S 3	4 47 2	10°39'07"	27°18	26°29	26°50	21° 7	12°23	27°39	10°16	13°14	11°36	15♊35	14°20	4° 5	22°18	S 3
S 4	4 50 59	11°39'55"	9♌54	26° 3	27°42	21°40	12°37	27°34	10°15	13°13	11°37	15°37	14°17	4°11	22°20	S 4
M 5	4 54 55	12°40'44"	22°52	25°25	28°34	22°14	12°50	27°30	10°14	13°11	11°37	15°39	14°14	4°18	22°22	M 5
T 6	4 58 52	13°41'34"	6♍14	24°36	29°25	22°49	13° 4	27°25	10°13	13°10	11°37	15°40	14°10	4°25	22°24	T 6
W 7	5 2 48	14°42'26"	20° 2	23°37	0♎15	23°23	13°17	27°20	10°11	13° 8	11°37	15°R40	14° 7	4°32	22°27	W 7
T 8	5 6 45	15°43'19"	4♌15	22°29	1° 4	23°57	13°31	27°15	10°10	13° 7	11°38	15°39	14° 4	4°38	22°29	T 8
F 9	5 10 42	16°44'13"	18°48	21°13	1°53	24°32	13°44	27°11	10° 9	13° 6	11°38	15°36	14° 1	4°45	22°31	F 9
S 10	5 14 38	17°45'08"	3♊36	19°53	2°40	25° 7	13°58	27° 6	10° 8	13° 4	11°38	15°32	13°58	4°52	22°34	S 10
S 11	5 18 35	18°46'05"	18°30	18°30	3°27	25°42	14°11	27° 1	10° 7	13° 3	11°38	15°27	13°55	4°58	22°36	S 11
M12	5 22 31	19°47'02"	3♎22	17° 8	4°13	26°17	14°25	26°56	10° 5	13° 2	11°38	15°22	13°51	5° 5	22°39	M12
T 13	5 26 28	20°47'59"	18° 4	15°49	4°58	26°52	14°38	26°51	10° 4	13° 0	11°38	15°17	13°48	5°12	22°41	T 13
W14	5 30 24	21°48'58"	2♋31	14°35	5°41	27°28	14°52	26°46	10° 2	12°59	11°R38	15°14	13°45	5°19	22°44	W14
T 15	5 34 21	22°49'57"	16°38	13°29	6°24	28° 3	15° 5	26°41	10° 1	12°58	11°38	15°D13	13°42	5°25	22°47	T 15
F 16	5 38 18	23°50'56"	0♍25	12°33	7° 6	28°39	15°19	26°36	9°59	12°57	11°38	15°13	13°39	5°32	22°49	F 16
S 17	5 42 14	24°51'56"	13°52	11°47	7°46	29°15	15°32	26°31	9°58	12°56	11°38	15°14	13°36	5°39	22°52	S 17
S 18	5 46 11	25°52'56"	27° 1	11°13	8°26	29°50	15°45	26°26	9°56	12°55	11°38	15°15	13°32	5°45	22°55	S 18
M19	5 50 7	26°53'57"	9♊55	10°49	9° 4	0♍26	15°59	26°21	9°54	12°53	11°38	15°R16	13°29	5°52	22°58	M19
T 20	5 54 4	27°54'58"	22°36	10°36	9°40	1° 3	16°12	26°16	9°53	12°52	11°37	15°16	13°26	5°59	23° 1	T 20
W21	5 58 0	28°56'00"	5♍6	10°D34	10°16	1°39	16°26	26°12	9°51	12°51	11°37	15°14	13°23	6° 6	23° 4	W21
T 22	6 1 57	29°57'03"	17°26	10°42	10°49	2°15	16°39	26° 7	9°49	12°50	11°37	15°10	13°20	6°12	23° 7	T 22
F 23	6 5 53	0♊58°06'	29°38	10°59	11°22	2°51	16°52	26° 2	9°47	12°49	11°37	15° 3	13°16	6°19	23°10	F 23
S 24	6 9 50	1°59'10"	11♎42	11°23	11°53	3°28	17° 6	25°57	9°46	12°48	11°36	14°55	13°13	6°26	23°13	S 24
S 25	6 13 47	3° 0'14"	23°41	11°55	12°22	4° 5	17°19	25°52	9°44	12°47	11°36	14°45	13°10	6°33	23°16	S 25
M26	6 17 43	4° 1'19"	5♌35	12°34	12°50	4°41	17°32	25°47	9°42	12°46	11°36	14°35	13° 7	6°39	23°20	M26
T 27	6 21 40	5° 2'24"	17°27	13°19	13°15	5°18	17°45	25°42	9°40	12°45	11°35	14°26	13° 4	6°46	23°23	T 27
W28	6 25 36	6° 3'30"	29°19	14° 8	13°40	5°55	17°58	25°37	9°38	12°45	11°35	14°18	13° 1	6°53	23°26	W28
T 29	6 29 33	7° 4'36"	11♍13	15° 3	14° 2	6°32	18°12	25°32	9°36	12°44	11°34	14°12	12°57	6°59	23°30	T 29
F 30	6 33 29	8° 5'43"	23°15	16° 1	14°22	7° 9	18°25	25°28	9°33	12°43	11°34	14° 8	12°54	7° 6	23°33	F 30
S 31	6 37 26	9♊6°51'	5♌28	17♌3	14♎41	7♍46	18♊38	25♍23	9♎31	12♏42	11♍33	14°D 7	12♎51	7♏13	23♐36	S 31

Day	☉	☽		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl
T 1	21s43	15n 5	5n 0	24s52	1s30	24s 5	3s 2	4s52	0s59	21s39	0n33	22n 1	1s22	18n15	0n38	14n 5	1s48	18n51	12n38	16n29	16n 9	24n11	8s10	6n15										
F 2	21 52	10 7	4 34	24 39	1 16	23 52	2 59	4 36	0 57	21 41	0 33	22 1	1 22	18 15	0 38	14 5	1 48	18 52	12 38	16 29	16 8	24 9	8 10	6 15										
S 3	22 1	4 40	3 55	24 23	1 1	23 39	2 56	4 21	0 54	21 43	0 33	22 1	1 22	18 16	0 38	14 4	1 48	18 52	12 39	16 29	16 7	24 8	8 9	6 14										
S 4	22 10	1s 6	3 4	24 6	0 45	23 25	2 53	4 6	0 52	21 45	0 33	22 1	1 22	18 16	0 38	14 4	1 48	18 52	12 39	16 30	16 6	24 6	8 9	6 14										
M 5	22 18	7 0	2 2	23 47	0 27	23 11	2 49	3 50	0 50	21 47	0 32	22 1	1 22	18 16	0 38	14 4	1 48	18 52	12 40	16 30	16 5	24 5	8 9	6 13										
T 6	22 25	12 46	0 52	23 26	0 8	22 57	2 45	3 35	0 48	21 48	0 32	22 1	1 22	18 17	0 38	14 3	1 48	18 53	12 40	16 31	16 5	24 3	8 9	6 13										
W 7	22 32	18 7	0s24	23 4	0n12	22 42	2 41	3 19	0 46	21 50	0 32	22 1	1 22	18 17	0 38	14 3	1 48	18 53	12 41	16 31	16 4	24 2	8 8	6 13										
T 8	22 39	22 36	1 40	22 40	0 32	22 27	2 37	3 4	0 44	21 52	0 32	22 1	1 22	18 17	0 38	14 2	1 48	18 53	12 41	16 30	16 3	24 0	8 8	6 12										
F 9	22 45	25 47	2 51	22 15	0 53	22 12	2 32	2 48	0 41	21 54	0 32	22 1	1 22	18 18	0 38	14 2	1 48	18 54	12 42	16 30	16 2	23 59	8 7	6 12										
S 10	22 51	27 14	3 52	21 50	1 12	21 56	2 28	2 33	0 39	21 55	0 32	22 1	1 22	18 18	0 38	14 2	1 48	18 54	12 42	16 28	16 1	23 57	8 7	6 11										
S 11	22 56	26 43	4 38	21 24	1 31	21 40	2 22	2 17	0 37	21 57	0 32	22 1	1 22	18 18	0 38	14 1	1 48	18 54	12 43	16 27	16 0	23 56	8 7	6 11										
M12	23 1	24 19	5 4	20 59	1 49	21 24	2 17	2 1	0 35	21 59	0 32	22 1	1 22	18 19	0 38	14 1	1 48	18 55	12 43	16 26	15 59	23 54	8 6	6 11										
T 13	23 6	20 19	5 11	20 36	2 5	21 8	2 11	1 45	0 34	22 0	0 32	22 1	1 22	18 19	0 38	14 1	1 48	18 55	12 43	16 24	15 58	23 53	8 6	6 10										
W14	23 10	15 11	4 57	20 14	2 18	20 51	2 5	1 30	0 32	22 2	0 32	22 1	1 22	18 20	0 38	14 0	1 48	18 56	12 44	16 23	15 57	23 51	8 5	6 10										
T 15	23 13	9 21	4 26	19 55	2 30	20 35	1 59	1 14	0 30	22 3	0 32	22 1	1 22	18 20	0 38	14 0	1 48	18 56	12 44	16 23	15 56	23 50	8 5	6 9										
F 16	23 16	3 12	3 40	19 39	2 39	20 18	1 53	0 58	0 28	22 5	0 32	22 1	1 21	18 21	0 38	14 0	1 48	18 57	12 45	16 23	15 55	23 48	8 4	6 9										
S 17	23 19	2n58	2 42	19 26	2 46	20 1	1 46	0 42	0 26	22 6	0 32	22 1	1 21	18 21	0 39	13 59	1 48	18 57	12 45	16 23	15 54	23 47	8 4	6 9										
S 18	23 21	8 53	1 37	19 17	2 50	19 43	1 39	0 26	0 24	22 8	0 32	22 1	1 21	18 22	0 39	13 59	1 48	18 57	12 46	16 24	15 53	23 45	8 3	6 8										
M19	23 23	14 19	0 29	19 12	2 53	19 26	1 31	0 10	0 22	22 9	0 31	22 1	1 21	18 22	0 39	13 59	1 48	18 58	12 46	16 24	15 52	23 43	8 3	6 8										
T 20	23 24	19 2	0n40	19 9	2 53	19 9	1 23	0n 6	0 21	22 11	0 31	22 1	1 21	18 22	0 39	13 59	1 48	18 58	12 47	16 24	15 51	23 42	8 2	6 8										
W21	23 25	22 51	1 45	19 10	2 52	18 51	1 15	0 22	0 19	22 12	0 31	22 1	1 21	18 23	0 39	13 58	1 48	18 59	12 47	16 23	15 50	23 40	8 1	6 7										
T 22	23 25	25 33	2 45	19 13	2 50	18 34	1 7	0 38	0 17	22 14	0 31	22 1	1 21	18 23	0 39	13 58	1 48	18 59	12 48	16 22	15 49	23 39	8 1	6 7										
F 23	23 25	27 1	3 36	19 19	2 47	18 17	0 58	0 54	0 16	22 15	0 31	22 0	1 21	18 24	0 39	13 58	1 47	19 0	12 48	16 20	15 48	23 37	8 0	6 6										
S 24	23 24	27 10	4 17	19 27	2 42	17 59	0 49	1 10	0 14	22 16	0 31	22 0	1 21	18 25	0 39	13 57	1 47	19 0	12 48	16 18	15 47	23 35	7 59	6 6										
S 25	23 23	26 2	4 46	19 36	2 37	17 42	0 39	1 26	0 12	22 18	0 31	22 0	1 21	18 25	0 39	13 57	1 47	19 1	12 49	16 15	15 46	23 34	7 59	6 6										
M26	23 21	23 44	5 2	19 48	2 30	17 25	0 29	1 42	0 11	22 19	0 31	22 0	1 20	18 26	0 39	13 57	1 47	19 1	12 49	16 12	15 46	23 32	7 58	6 5										
T 27	23 19	20 26	5 6	20 0	2 24	17 8	0 19	1 58	0 9	22 20	0 31	22 0	1 20	18 26	0 39	13 57	1 47	19 2	12 50	16 9	15 45	23 30	7 57	6 5										
W28	23 17	16 19	4 56	20 13	2 17	16 51	0 9	2 14	0 8	22 21	0 31	22 0	1 20	18 27	0 39	13 57	1 47	19 3	12 50	16 7	15 44	23 29	7 57	6 5										
T 29	23 13	11 33	4 33	20 26	2 9	16 34	0n 2	2 30	0 6	22 23	0 31	22 0	1 20	18 27	0 39	13 56	1 47	19 3	12 51	16 5	15 43	23 27	7 56	6 4										
F 30	23 10	6 19	3 58	20 40	2 1	16 17	0 14	2 46	0 5	22 24	0 31	22 0	1 20	18 28	0 39	13 56	1 47	19 4	12 51	16 4	15 42	23 25	7 55	6 4										
S 31	23s 6	0n46	3n12	20s55	1n53	16s 1	0n25	3n 2	0s 3	22s25	0n31	22n 0	1s20	18n29	0n39	13n56	1s47	19n 4	12n51	16n 4	15n41	23n24	7s54	6n 4										