



Astrodienst Ephemeris Tables for the year 2205

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 2205

geocentric

JANUARY 2205

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 41 15	10°36'21	27°47'47	13°35'57	3°38'19	27°30'00	1°10'11	27°36'36	20°19'19	3°30'36	3°40'46	29°20'24	0°10'10	24°30'30	1°30'01	T 1	
W 2	6 45 11	11° 7'28	10°34'40	15°33'33	4°35'35	27°47'47	1°10'08	27°36'36	20°16'16	3°30'36	3°40'45	29°22'22	0° 7'07	24°37'37	1° 6'06	W 2	
T 3	6 49 8	12° 8'35	23°58'48	17°10'10	5°50'50	28°33'33	1° 5'05	27°37'37	20°14'14	3°36'36	3°44'44	29°20'20	0° 3'03	24°43'43	1°12'12	T 3	
F 4	6 53 5	13° 9'42	7°11'43	18°48'48	7° 6'06	29°20'20	1° 2'02	27°37'37	20°11'11	3°35'35	3°44'44	29°18'18	0° 0'00	24°50'50	1°17'17	F 4	
S 5	6 57 1	14°10'50	21°53'53	20°25'25	8°21'21	0°38'18	0°58'58	27°38'38	20° 9'09	3°35'35	3°43'43	29°16'16	29°57'57	24°57'57	1°22'22	S 5	
S 6	7 0 58	15°11'57	6°52'25	22° 3'03	9°37'37	0°53'53	0°55'55	27°38'38	20° 6'06	3°35'35	3°42'42	29°14'14	29°54'54	25° 3'03	1°27'27	S 6	
M 7	7 4 54	16°13'04	21°13'13	23°41'41	10°52'52	1°40'40	0°51'51	27°39'39	20° 3'03	3°34'34	3°41'41	29°13'13	29°51'51	25°10'10	1°32'32	M 7	
T 8	7 8 51	17°14'11	6°52'09	25°20'20	12° 8'08	2°27'27	0°47'47	27°40'40	20° 1'01	3°34'34	3°40'40	29°13'13	29°48'48	25°17'17	1°37'37	T 8	
W 9	7 12 47	18°15'19	18°15'19	21° 6'06	26°58'58	13°23'23	3°13'13	0°43'43	27°41'41	19°58'58	3°34'34	3°39'39	29°14'14	29°44'44	25°23'23	W 9	
T 10	7 16 44	19°16'26	5°10'55	28°37'37	19°16'26	14°39'39	4° 0'00	0°38'38	27°42'42	19°56'56	3°34'34	3°38'38	29°15'15	29°41'41	25°30'30	T 10	
F 11	7 20 40	20°17'34	20°30'30	0°36'16	15°54'54	4°47'47	0°34'34	27°43'43	19°53'53	3°34'34	3°37'37	29°16'16	29°38'38	25°37'37	1°53'53	F 11	
S 12	7 24 37	21°18'41	4°42'48	1°55'55	17°10'10	5°33'33	0°29'29	27°45'45	19°50'50	3°34'34	3°36'36	29°16'16	29°35'35	25°43'43	1°58'58	S 12	
S 13	7 28 34	22°19'49	18°45'45	3°34'34	18°25'25	6°20'20	0°24'24	27°46'46	19°48'48	3°34'34	3°35'35	29°16'16	29°32'32	25°50'50	2° 3'03	S 13	
M14	7 32 30	23°20'56	2°10'12	5°12'12	19°41'41	7° 7'07	0°19'19	27°48'48	19°45'45	3°34'34	3°34'34	29°16'16	29°28'28	25°57'57	2° 9'09	M14	
T 15	7 36 27	24°22'04	15°39'39	6°51'51	20°56'56	7°53'53	0°14'14	27°49'49	19°43'43	3°34'34	3°33'33	29°16'16	29°25'25	26° 3'03	2°14'14	T 15	
W16	7 40 23	25°23'12	28°38'38	8°29'29	22°12'12	8°40'40	0° 9'09	27°51'51	19°40'40	3°34'34	3°32'32	29°16'16	29°22'22	26°10'10	2°19'19	W16	
T 17	7 44 20	26°24'20	11°17'21	10° 7'07	23°27'27	9°26'26	0° 3'03	27°53'53	19°37'37	3°34'34	3°31'31	29°15'15	29°19'19	26°17'17	2°24'24	T 17	
F 18	7 48 16	27°25'28	23°51'51	11°44'44	24°43'43	10°13'13	29°52'52	27°55'55	19°35'35	3°34'34	3°30'30	29°15'15	29°16'16	26°23'23	2°30'30	F 18	
S 19	7 52 13	28°26'35	6°38'09	13°20'20	25°58'58	11° 0'00	29°52'52	27°57'57	19°32'32	3°34'34	3°29'29	29°15'15	29°13'13	26°30'30	2°35'35	S 19	
S 20	7 56 9	29°27'42	18°17'17	14°55'55	27°14'14	11°46'46	29°46'46	27°59'59	19°30'30	3°34'34	3°27'27	29°15'15	29° 9'09	26°37'37	2°40'40	S 20	
M21	8 0 6	0°28'49	0°28'49	16°29'29	28°29'29	12°33'33	29°40'40	28° 2'02	19°27'27	3°34'34	3°26'26	29°15'15	29° 6'06	26°43'43	2°46'46	M21	
T 22	8 4 3	1°29'55	12°11'11	18° 0'00	29°44'44	13°19'19	29°34'34	28° 4'04	19°25'25	3°35'35	3°25'25	29°15'15	29° 3'03	26°50'50	2°51'51	T 22	
W23	8 7 59	2°31'00	24° 1'01	19°30'30	1°30'00	14° 6'06	29°27'27	28° 6'06	19°22'22	3°35'35	3°24'24	29°14'14	29° 0'00	26°57'57	2°56'56	W23	
T 24	8 11 56	3°32'05	5°14'49	20°56'56	2°15'15	14°52'52	29°21'21	28° 9'09	19°20'20	3°35'35	3°22'22	29°14'14	28°57'57	27° 3'03	3° 1'01	T 24	
F 25	8 15 52	4°33'09	17°37'37	22°20'20	3°31'31	15°39'39	29°14'14	28°12'12	19°17'17	3°36'36	3°21'21	29°13'13	28°53'53	27°10'10	3° 7'07	F 25	
S 26	8 19 49	5°34'12	29°30'30	23°40'40	4°46'46	16°25'25	29° 8'08	28°15'15	19°15'15	3°36'36	3°20'20	29°12'12	28°50'50	27°17'17	3°12'12	S 26	
S 27	8 23 45	6°35'14	11°17'30	24°55'55	6° 2'02	17°12'12	29° 1'01	28°18'18	19°12'12	3°36'36	3°19'19	29°12'12	28°47'47	27°23'23	3°17'17	S 27	
M28	8 27 42	7°36'16	23°41'41	26° 5'05	7°17'17	17°58'58	28°54'54	28°21'21	19°10'10	3°37'37	3°17'17	29°11'11	28°44'44	27°30'30	3°22'22	M28	
T 29	8 31 38	8°37'16	6°38'09	27° 8'08	8°32'32	18°45'45	28°47'47	28°24'24	19° 7'07	3°37'37	3°16'16	29°11'11	28°41'41	27°37'37	3°28'28	T 29	
W30	8 35 35	9°38'15	18°53'53	28° 6'06	9°48'48	19°31'31	28°40'40	28°27'27	19° 5'05	3°38'38	3°15'15	29°11'11	28°38'38	27°43'43	3°33'33	W30	
T 31	8 39 32	10°39'13	2°11'03	28°55'55	11°30'30	20°18'18	28°52'52	28°18'18	19°53'53	3°38'38	3°13'13	29°11'11	28°34'34	27°48'48	3°38'38	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
T 1	23s 2	5n45	5s16	24s37	1s57	23s31	0s 9	13s32	1s 6	11n56	0n57	8n13	2s33	22n20	0n28	11n 3	1s45	20n34	11n15	20n15	20n 6	15s21	13s32	6n31	
W 2	22 57	10 5	5 10	24 29	1 59	23 31	0 11	13 15	1 5	11 57	0 58	8 14	2 33	22 21	0 28	11 3	1 45	20 34	11 15	20 15	20 6	15 19	13 32	6 31	
T 3	22 51	14 6	4 48	24 19	2 2	23 30	0 13	12 58	1 5	11 59	0 58	8 14	2 33	22 21	0 28	11 3	1 45	20 35	11 16	20 16	20 7	15 18	13 31	6 31	
F 4	22 46	17 29	4 8	24 8	2 4	23 29	0 16	12 41	1 4	12 0	0 58	8 15	2 32	22 21	0 28	11 3	1 45	20 36	11 16	20 16	20 8	15 16	13 30	6 31	
S 5	22 39	19 58	3 12	23 56	2 6	23 27	0 18	12 24	1 3	12 2	0 58	8 15	2 32	22 22	0 28	11 3	1 45	20 36	11 16	20 17	20 8	15 15	13 29	6 30	
S 6	22 33	21 12	2 3	23 42	2 7	23 24	0 20	12 7	1 2	12 3	0 59	8 16	2 32	22 22	0 28	11 3	1 45	20 37	11 17	20 17	20 9	15 13	13 28	6 30	
M 7	22 26	21 1	0 44	23 26	2 8	23 21	0 23	11 50	1 2	12 5	0 59	8 16	2 31	22 23	0 28	11 3	1 45	20 38	11 17	20 17	20 10	15 12	13 27	6 30	
T 8	22 18	19 20	0n38	23 9	2 8	23 16	0 25	11 32	1 1	12 6	0 59	8 17	2 31	22 23	0 28	11 3	1 45	20 38	11 17	20 17	20 10	15 10	13 26	6 30	
W 9	22 10	16 19	1 59	22 50	2 9	23 12	0 27	11 15	1 0	12 8	0 59	8 17	2 31	22 23	0 28	11 3	1 45	20 39	11 18	20 17	20 11	15 9	13 25	6 30	
T 10	22 2	12 16	3 10	22 30	2 8	23 6	0 30	10 57	1 0	12 10	1 0	8 18	2 30	22 24	0 28	11 3	1 45	20 39	11 18	20 17	20 12	15 7	13 24	6 30	
F 11	21 53	7 33	4 8	22 9	2 7	23 0	0 32	10 40	0 59	12 12	1 0	8 19	2 30	22 24	0 28	11 3	1 45	20 40	11 18	20 17	20 12	15 6	13 23	6 30	
S 12	21 44	2 32	4 49	21 45	2 6	22 52	0 34	10 22	0 58	12 13	1 0	8 20	2 30	22 25	0 28	11 3	1 45	20 41	11 18	20 17	20 13	15 4	13 22	6 30	
S 13	21 34	2s31	5 12	21 21	2 4	22 45	0 36	10 4	0 57	12 15	1 0	8 20	2 30	22 25	0 28	11 3	1 45	20 41	11 19	20 17	20 14	15 3	13 21	6 30	
M14	21 24	7 18	5 17	20 55	2 2	22 36	0 38	9 46	0 57	12 17	1 1	8 21	2 29	22 25	0 28	11 3	1 45	20 42	11 19	20 17	20 14	15 1	13 20	6 30	
T 15	21 13	11 38	5 5	20 27	1 59	22 27	0 41	9 28	0 56	12 19	1 1	8 22	2 29	22 26	0 28	11 3	1 44	20 43	11 19	20 17	20 15	15 0	13 19	6 29	
W16	21 2	15 19	4 37	19 58	1 55	22 17	0 43	9 10	0 55	12 21	1 1	8 23	2 29	22 26	0 28	11 3	1 44	20 43	11 20	20 17	20 16	14 58	13 17	6 29	
T 17	20 51	18 13	3 56	19 28	1 51	22 7	0 45	8 52	0 54	12 24	1 1	8 24	2 28	22 27	0 28	11 3	1 44	20 44	11 20	20 17	20 16	14 56	13 16	6 29	
F 18	20 39	20 12	3 4	18 57	1 46	21 55	0 47	8 33	0 54	12 26	1 1	8 25	2 28	22 27	0 28	11 3	1 44	20 45	11 20	20 17	20 17	14 55	13 15	6 29	
S 19	20 27	21 11	2 5	18 24	1 40	21 44	0 49	8 15	0 53	12 28	1 2	8 26	2 28	22 27	0 28	11 3	1 44	20 46	11 20	20 17	20 18	14 53	13 14	6 29	
S 20	20 14	21 10	1 1	17 50	1 34	21 31	0 51	7 56	0 52	12 30	1 2	8 27	2 28	22 28	0 28	11 3	1 44	20 46	11 21	20 17	20 18	14 52	13 13	6 29	
M21	20 1	20 10	0s 6	17 15	1 27	21 18	0 53	7 38	0 51	12 33	1 2	8 28	2 27	22 28	0 28	11 4	1 44	20 47	11 21	20 17	20 19	14 50	13 12	6 29	
T 22	19 48	18 16	1 11	16 40	1 19	21 4	0 54	7 19	0 50	12 35	1 2	8 29	2 27	22 28	0 28	11 4	1 44	20 48	11 21	20 17	20 19	14 49	13 11	6 29	
W23	19 35	15 36	2 13	16 4	1 10	20 50	0 56	7 1	0 50	12 37	1 2	8 30	2 27	22 29	0 28	11 4	1 44	20 48	11 22	20 17	20 20	14 47	13 10	6 29	
T24	19 20	12 18	3 10	15 27	1 0	20 35	0 58	6 42	0 49	12 40	1 3	8 31	2 26	22 29	0 28	11 4	1 44	20 49	11 22	20 17	20 21	14 46	13 8	6 29	
F 25	19 6	8 32	3 58	14 50	0 50	20 19	1 0	6 24	0 48	12 42	1 3	8 33	2 26	22 29	0 28	11 4	1 44	20 50	11 22	20 17	20 21	14 44	13 7	6 29	
S 26	18 51	4 25	4 36	14 13	0 38	20 3	1 2	6 5	0 47	12 45	1 3	8 34	2 26	22 30	0 28	11 4	1 44	20 50	11 22	20 18	20 22	14 43	13 6	6 29	
S 27	18 36	0 6	5 3	13 37	0 26	19 46	1 3	5 46	0 47	12 47	1 3	8 35	2 26	22 30	0 28	11 5	1 44	20 51	11 22	20 18	20 23	14 41	13 5	6 29	
M28	18 21	4n17	5 16	13 1	0 13	19 28	1 5	5 27	0 46	12 50	1 3	8 36	2 25	22 31	0 28	11 5	1 44	20 52	11 23	20 18	20 23	14 39	13 4	6 29	
T29	18 5	8 35	5 15	12 26	0n 1	19 10	1 6	5 8	0 45	12 53	1 4	8 38	2 25	22 31	0 28	11 5	1 44	20 53	11 23	20 18	20 24	14 38	13 3	6 29	
W30	17 49	12 37	4 59	11 52	0 16	18 52	1 8	4 49	0 44	12 55	1 4	8 39	2 25	22 31	0 28	11 5	1 44	20 53	11 23	20 18	20 25	14 36	13 1	6 29	
T 31	17s33	16n11	4s27	11s20	0n32	18s33	1s 9	4s31	0s44	12n58	1n 4	8n41	2s25	22n32	0n28	11n 6	1s44	20n54	11n23	20n18	20n25	14s35	13s 0	6n29	

ASTRODIENST EPHEMERIS for the year 2205

geocentric

FEBRUARY 2205

00:00 UT

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

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	17s16	19n 1	3s39	10s51	0n48	18s13	1s11	4s12	0s43	13n 1	1n 4	8n42	2s24	22n32	0n28	11n 6	1s43	20n55	11n24	20n18	20n26	14s33	12s59	6n29			
S 2	16 59	20 48	2 37	10 24	1 5	17 53	1 12	3 53	0 42	13 3	1 4	8 44	2 24	22 32	0 28	11 6	1 43	20 55	11 24	20 17	20 27	14 31	12 58	6 29			
S 3	16 42	21 17	1 22	10 0	1 22	17 32	1 13	3 34	0 41	13 6	1 4	8 45	2 24	22 32	0 28	11 6	1 43	20 56	11 24	20 17	20 27	14 30	12 56	6 30			
M 4	16 24	20 18	0 1	9 40	1 40	17 11	1 15	3 15	0 40	13 9	1 5	8 47	2 24	22 33	0 28	11 7	1 43	20 57	11 24	20 17	20 28	14 28	12 55	6 30			
T 5	16 6	17 51	1n22	9 24	1 57	16 50	1 16	2 56	0 40	13 12	1 5	8 48	2 23	22 33	0 28	11 7	1 43	20 57	11 24	20 17	20 29	14 27	12 54	6 30			
W 6	15 48	14 9	2 39	9 12	2 14	16 27	1 17	2 37	0 39	13 14	1 5	8 50	2 23	22 33	0 28	11 7	1 43	20 58	11 25	20 17	20 29	14 25	12 53	6 30			
T 7	15 30	9 31	3 45	9 5	2 30	16 5	1 18	2 18	0 38	13 17	1 5	8 51	2 23	22 34	0 28	11 8	1 43	20 59	11 25	20 18	20 30	14 23	12 51	6 30			
F 8	15 11	4 22	4 35	9 2	2 46	15 42	1 19	1 59	0 37	13 20	1 5	8 53	2 22	22 34	0 28	11 8	1 43	20 59	11 25	20 18	20 30	14 22	12 50	6 30			
S 9	14 52	0s54	5 5	9 3	3 0	15 18	1 20	1 40	0 37	13 23	1 5	8 55	2 22	22 34	0 28	11 8	1 43	21 0	11 25	20 19	20 31	14 20	12 49	6 30			
S 10	14 33	5 58	5 16	9 9	3 12	14 54	1 21	1 21	0 36	13 25	1 5	8 57	2 22	22 35	0 28	11 9	1 43	21 1	11 25	20 19	20 32	14 19	12 47	6 30			
M 11	14 13	10 35	5 7	9 20	3 22	14 30	1 22	1 2	0 35	13 28	1 5	8 58	2 22	22 35	0 28	11 9	1 43	21 2	11 25	20 20	20 32	14 17	12 46	6 30			
T 12	13 54	14 31	4 43	9 34	3 31	14 6	1 23	0 43	0 34	13 31	1 6	9 0	2 22	22 35	0 28	11 9	1 43	21 2	11 25	20 20	20 33	14 15	12 45	6 30			
W 13	13 34	17 39	4 4	9 51	3 37	13 40	1 23	0 24	0 34	13 34	1 6	9 2	2 21	22 35	0 28	11 10	1 43	21 3	11 26	20 20	20 34	14 14	12 44	6 31			
T 14	13 13	19 51	3 15	10 11	3 40	13 15	1 24	0 5	0 33	13 37	1 6	9 4	2 21	22 36	0 28	11 10	1 43	21 4	11 26	20 19	20 34	14 12	12 42	6 31			
F 15	12 53	21 5	2 18	10 32	3 42	12 49	1 25	0n14	0 32	13 40	1 6	9 6	2 21	22 36	0 28	11 11	1 43	21 4	11 26	20 19	20 35	14 10	12 41	6 31			
S 16	12 32	21 17	1 15	10 55	3 40	12 23	1 25	0 33	0 31	13 42	1 6	9 7	2 21	22 36	0 28	11 11	1 43	21 5	11 26	20 19	20 36	14 9	12 40	6 31			
S 17	12 12	20 31	0 10	11 19	3 37	11 57	1 26	0 52	0 30	13 45	1 6	9 9	2 20	22 36	0 28	11 11	1 43	21 6	11 26	20 18	20 36	14 7	12 38	6 31			
M 18	11 51	18 50	0s55	11 43	3 32	11 30	1 26	1 11	0 30	13 48	1 6	9 11	2 20	22 37	0 28	11 12	1 43	21 6	11 26	20 19	20 37	14 5	12 37	6 31			
T 19	11 30	16 21	1 57	12 6	3 25	11 3	1 26	1 30	0 29	13 51	1 6	9 13	2 20	22 37	0 28	11 12	1 43	21 7	11 26	20 19	20 37	14 4	12 36	6 32			
W 20	11 8	13 11	2 54	12 29	3 16	10 35	1 27	1 49	0 28	13 53	1 6	9 15	2 20	22 37	0 28	11 13	1 42	21 7	11 26	20 20	20 38	14 2	12 34	6 32			
T 21	10 47	9 30	3 43	12 50	3 6	10 8	1 27	2 8	0 27	13 56	1 6	9 17	2 19	22 37	0 28	11 13	1 42	21 8	11 26	20 21	20 39	14 0	12 33	6 32			
F 22	10 25	5 26	4 23	13 11	2 55	9 40	1 27	2 27	0 27	13 59	1 6	9 19	2 19	22 38	0 28	11 14	1 42	21 9	11 27	20 22	20 39	13 59	12 32	6 32			
S 23	10 3	1 8	4 52	13 29	2 43	9 11	1 27	2 45	0 26	14 2	1 7	9 21	2 19	22 38	0 28	11 14	1 42	21 9	11 27	20 23	20 40	13 57	12 30	6 32			
S 24	9 41	3n15	5 8	13 46	2 31	8 43	1 27	3 4	0 25	14 4	1 7	9 23	2 19	22 38	0 28	11 15	1 42	21 10	11 27	20 25	20 41	13 55	12 29	6 33			
M 25	9 19	7 33	5 10	14 1	2 18	8 14	1 27	3 23	0 24	14 7	1 7	9 25	2 19	22 38	0 28	11 15	1 42	21 11	11 27	20 26	20 41	13 54	12 28	6 33			
T 26	8 57	11 38	4 58	14 15	2 5	7 45	1 27	3 41	0 24	14 10	1 7	9 28	2 18	22 38	0 28	11 16	1 42	21 11	11 27	20 27	20 42	13 52	12 26	6 33			
W 27	8 34	15 17	4 31	14 26	1 52	7 16	1 27	4 0	0 23	14 12	1 7	9 30	2 18	22 39	0 28	11 16	1 42	21 12	11 27	20 27	20 42	13 50	12 25	6 33			
T 28	8s12	18n17	3s49	14s36	1n39	6s47	1s27	4n18	0s22	14n15	1n 7	9n32	2s18	22n39	0n28	11n17	1s42	21n12	11n27	20n27	20n43	13s49	12s24	6n34			

ASTRODIENST EPHEMERIS for the year 2205

geocentric

MARCH 2205

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	10 33 52	9♂59°04	24♂24	15♂47	17♂24	12♂30	24°R48	0♂45	18°R 8	4♂ 9	2°R31	28♂26	27♂ 2	1♂ 3	6♂ 3	F 1
S 2	10 37 48	10°59'23	8♂13	16° 9	18°39	13°16	24♂41	0°51	18♂ 6	4°11	2♂29	28°27	26°59	1°10	6° 7	S 2
S 3	10 41 45	11°59'39	22°29	16°36	19°54	14° 1	24°34	0°56	18° 5	4°12	2°28	28°R28	26°56	1°17	6°12	S 3
M 4	10 45 41	12°59'54	7♂ 9	17° 8	21° 9	14°46	24°26	1° 2	18° 4	4°14	2°26	28°28	26°53	1°23	6°16	M 4
T 5	10 49 38	14° 0'07	22° 9	17°44	22°24	15°32	24°19	1° 8	18° 3	4°15	2°25	28°26	26°50	1°30	6°21	T 5
W 6	10 53 34	15° 0'18	7♂22	18°25	23°39	16°17	24°12	1°14	18° 2	4°17	2°23	28°21	26°46	1°37	6°25	W 6
T 7	10 57 31	16° 0'27	22°38	19° 9	24°54	17° 2	24° 5	1°20	18° 1	4°19	2°22	28°15	26°43	1°43	6°30	T 7
F 8	11 1 28	17° 0'34	7♂47	19°58	26° 9	17°47	23°58	1°27	18° 0	4°20	2°20	28° 8	26°40	1°50	6°34	F 8
S 9	11 5 24	18° 0'40	22°37	20°49	27°24	18°33	23°52	1°33	17°59	4°22	2°19	28° 0	26°37	1°57	6°38	S 9
S 10	11 9 21	19° 0'44	7♂ 3	21°44	28°38	19°18	23°45	1°39	17°58	4°24	2°17	27°53	26°34	2° 3	6°43	S 10
M 11	11 13 17	20° 0'46	20°59	22°41	29°53	20° 3	23°39	1°45	17°57	4°25	2°16	27°47	26°31	2°10	6°47	M 11
T 12	11 17 14	21° 0'47	4♂26	23°42	1°Y 8	20°48	23°32	1°52	17°56	4°27	2°15	27°44	26°27	2°17	6°51	T 12
W 13	11 21 10	22° 0'46	17°25	24°45	2°23	21°33	23°26	1°58	17°55	4°29	2°13	27°D42	26°24	2°23	6°55	W 13
T 14	11 25 7	23° 0'44	29°59	25°50	3°38	22°18	23°20	2° 5	17°55	4°31	2°12	27°42	26°21	2°30	6°59	T 14
F 15	11 29 3	24° 0'40	12♂14	26°58	4°52	23° 3	23°14	2°11	17°54	4°32	2°10	27°43	26°18	2°37	7° 3	F 15
S 16	11 33 0	25° 0'34	24°16	28° 8	6° 7	23°47	23° 8	2°18	17°54	4°34	2° 9	27°R44	26°15	2°43	7° 7	S 16
S 17	11 36 56	26° 0'27	6♂ 8	29°20	7°22	24°32	23° 2	2°25	17°53	4°36	2° 8	27°44	26°11	2°50	7°11	S 17
M 18	11 40 53	27° 0'18	17°56	0♂33	8°36	25°17	22°57	2°31	17°53	4°38	2° 6	27°41	26° 8	2°57	7°15	M 18
T 19	11 44 50	28° 0'07	29°43	1°49	9°51	26° 2	22°51	2°38	17°52	4°40	2° 5	27°36	26° 5	3° 3	7°19	T 19
W 20	11 48 46	28°59'54	11♂32	3° 6	11° 5	26°46	22°46	2°45	17°52	4°42	2° 4	27°29	26° 2	3°10	7°23	W 20
T 21	11 52 43	29°59'39	23°26	4°26	12°20	27°31	22°41	2°52	17°51	4°44	2° 2	27°19	25°59	3°17	7°26	T 21
F 22	11 56 39	0°Y59'22	5°Y26	5°46	13°35	28°16	22°36	2°59	17°51	4°46	2° 1	27° 7	25°56	3°23	7°30	F 22
S 23	12 0 36	1°59'04	17°34	7° 9	14°49	29° 0	22°31	3° 5	17°51	4°48	2° 0	26°55	25°52	3°30	7°34	S 23
S 24	12 4 32	2°58'43	29°51	8°33	16° 4	29°45	22°27	3°12	17°51	4°50	1°59	26°43	25°49	3°37	7°37	S 24
M 25	12 8 29	3°58'20	12♂17	9°58	17°18	0♂29	22°22	3°19	17°51	4°52	1°57	26°32	25°46	3°43	7°41	M 25
T 26	12 12 25	4°57'55	24°54	11°25	18°33	1°13	22°18	3°26	17°D51	4°54	1°56	26°23	25°43	3°50	7°44	T 26
W 27	12 16 22	5°57'28	7♂44	12°53	19°47	1°58	22°14	3°34	17°51	4°56	1°55	26°17	25°40	3°57	7°47	W 27
T 28	12 20 19	6°56'59	20°48	14°23	21° 1	2°42	22°10	3°41	17°51	4°58	1°54	26°14	25°36	4° 3	7°51	T 28
F 29	12 24 15	7°56'27	4♂ 9	15°54	22°16	3°26	22° 6	3°48	17°51	5° 0	1°52	26°D13	25°33	4°10	7°54	F 29
S 30	12 28 12	8°55'53	17°49	17°27	23°30	4°10	22° 3	3°55	17°51	5° 2	1°51	26°13	25°27	4°17	7°57	S 30
S 31	12 32 8	9°Y55'17	1♂51	19♂ 1	24°Y44	4♂55	21♂59	4♂ 2	17♂51	5♂ 4	1♂50	26°R13	25♂27	4♂23	8♂ 1	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈			
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat		
F 1	7s49	20n23	2s54	14s44	1n26	6s18	1s26	4n37	0s21	14n17	1n 7	9n34	2s18	22n39	0n28	11n17	1s42	21n13	11n27	20n27	20n44	13s47	12s22	
S 2	7 26	21 22	1 48	14 49	1 13	5 48	1 26	4 55	0 20	14 20	1 7	9 36	2 18	22 39	0 28	11 18	1 42	21 14	11 27	20 27	20 44	13 45	12 21	
S 3	7 3	21 0	0 32	14 54	1 0	5 18	1 25	5 13	0 20	14 22	1 7	9 38	2 17	22 39	0 28	11 18	1 42	21 14	11 27	20 27	20 45	13 44	12 20	
M 4	6 40	19 13	0n47	14 56	0 47	4 48	1 25	5 31	0 19	14 25	1 7	9 41	2 17	22 39	0 28	11 19	1 42	21 15	11 27	20 27	20 45	13 42	12 18	
T 5	6 17	16 4	2 5	14 56	0 35	4 18	1 24	5 50	0 18	14 27	1 7	9 43	2 17	22 39	0 28	11 20	1 42	21 15	11 27	20 27	20 46	13 40	12 17	
W 6	5 54	11 48	3 15	14 55	0 23	3 48	1 24	6 8	0 17	14 29	1 7	9 45	2 17	22 40	0 28	11 20	1 42	21 16	11 27	20 28	20 47	13 38	12 16	
T 7	5 31	6 45	4 11	14 52	0 12	3 18	1 23	6 26	0 17	14 32	1 7	9 47	2 17	22 40	0 28	11 21	1 42	21 16	11 27	20 29	20 47	13 37	12 14	
F 8	5 7	1 20	4 48	14 48	0 1	2 47	1 22	6 44	0 16	14 34	1 7	9 50	2 16	22 40	0 28	11 21	1 42	21 17	11 27	20 31	20 48	13 35	12 13	
S 9	4 44	4s 3	5 6	14 42	0s10	2 17	1 21	7 1	0 15	14 36	1 7	9 52	2 16	22 40	0 28	11 22	1 42	21 17	11 27	20 32	20 48	13 33	12 12	
S 10	4 21	9 4	5 4	14 34	0 21	1 46	1 21	7 19	0 14	14 38	1 7	9 54	2 16	22 40	0 28	11 22	1 42	21 18	11 27	20 34	20 49	13 31	12 10	
M 11	3 57	13 26	4 43	14 25	0 31	1 16	1 20	7 37	0 14	14 41	1 7	9 57	2 16	22 40	0 28	11 23	1 42	21 18	11 27	20 35	20 50	13 30	12 9	
T 12	3 34	16 57	4 7	14 14	0 40	0 45	1 19	7 55	0 13	14 43	1 7	9 59	2 16	22 40	0 28	11 24	1 42	21 19	11 27	20 36	20 50	13 28	12 8	
W 13	3 10	19 30	3 19	14 2	0 49	0 15	1 18	8 12	0 12	14 45	1 7	10 1	2 16	22 40	0 28	11 24	1 42	21 19	11 27	20 36	20 51	13 26	12 6	
T 14	2 46	21 1	2 24	13 48	0 58	0n16	1 17	8 29	0 12	14 47	1 7	10 4	2 15	22 40	0 28	11 25	1 41	21 20	11 27	20 36	20 51	13 25	12 5	
F 15	2 23	21 29	1 22	13 33	1 6	0 47	1 15	8 47	0 11	14 49	1 7	10 6	2 15	22 40	0 28	11 26	1 41	21 20	11 27	20 36	20 52	13 23	12 4	
S 16	1 59	20 56	0 19	13 16	1 14	1 17	1 14	9 4	0 10	14 51	1 7	10 9	2 15	22 41	0 28	11 26	1 41	21 21	11 27	20 35	20 53	13 21	12 2	
S 17	1 35	19 27	0s45	12 58	1 22	1 48	1 13	9 21	0 9	14 52	1 7	10 11	2 15	22 41	0 28	11 27	1 41	21 21	11 27	20 36	20 53	13 19	12 1	
M 18	1 11	17 7	1 46	12 39	1 29	2 19	1 11	9 38	0 9	14 54	1 7	10 13	2 15	22 41	0 28	11 28	1 41	21 22	11 27	20 36	20 54	13 17	12 0	
T 19	0 48	14 6	2 42	12 18	1 36	2 49	1 10	9 55	0 8	14 56	1 7	10 16	2 15	22 41	0 28	11 28	1 41	21 22	11 26	20 37	20 54	13 16	11 59	
W 20	0 24	10 30	3 32	11 56	1 42	3 20	1 9	10 12	0 7	14 58	1 7	10 18	2 14	22 41	0 28	11 29	1 41	21 23	11 26	20 38	20 55	13 14	11 57	
T 21	0 0	6 28	4 12	11 33	1 48	3 50	1 7	10 29	0 6	14 59	1 7	10 21	2 14	22 41	0 28	11 30	1 41	21 23	11 26	20 40	20 56	13 12	11 56	
F 22	0n24	2 9	4 41	11 8	1 53	4 21	1 6	10 45	0 6	15 1	1 6	10 23	2 14	22 41	0 28	11 30	1 41	21 23	11 26	20 43	20 56	13 10	11 55	
S 23	0 47	2n17	4 59	10 42	1 58	4 51	1 4	11 2	0 5	15 2	1 6	10 26	2 14	22 41	0 28	11 31	1 41	21 24	11 26	20 45	20 57	13 9	11 53	
S 24	1 11	6 41	5 2	10 15	2 2	5 21	1 2	11 18	0 4	15 4	1 6	10 28	2 14	22 41	0 28	11 32	1 41	21 24	11 26	20 47	20 57	13 7	11 52	
M 25	1 35	10 53	4 51	9 47	2 7	5 51	1 0	11 34	0 4	15 5	1 6	10 31	2 14	22 41	0 28	11 32	1 41	21 24	11 26	20 49	20 58	13 5	11 51	
T 26	1 58	14 40	4 26	9 17	2 10	6 21	0 59	11 50	0 3	15 6	1 6	10 33	2 14	22 41	0 28	11 33	1 41	21 25	11 26	20 51	20 59	13 3	11 50	
W 27	2 22	17 50	3 48	8 46	2 13	6 51	0 57	12 6	0 2	15 8	1 6	10 36	2 14	22 41	0 28	11 34	1 41	21 25	11 26	20 52	20 59	13 1	11 48	
T 28	2 45	20 10	2 56	8 14	2 16	7 21	0 55	12 22	0 2	15 9	1 6	10 38	2 13	22 41	0 28	11 34	1 41	21 25	11 26	20 53	21 0	13 0	11 47	
F 29	3 9	21 26	1 54	7 41	2 18	7 50	0 53	12 38	0 1	15 10	1 6	10 41	2 13	22 41	0 28	11 35	1 41	21 26	11 25	20 53	21 0	12 58	11 46	
S 30	3 32	21 30	0 44	7 6	2 20	8 19	0 51	12 54	0 0	15 11	1 6	10 43	2 13	22 41	0 28	11 36	1 41	21 26	11 25	20 53	21 1	12 56	11 45	
S 31	3n56	20n13	0n30	6s31	2s22	8n49	0s49	13n 9	0n 1	15n12	1n 6	10n46	2s13	22n41	0n28	11n36	1s41	21n26	11n25	20n53	21n 2	12s54	11s44	6n44

Julian Day Number = 2526478.5, Delta T = 168.13 sec
 Ecliptic obliquity = 23°24'42, Nutation = -0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°36'27, Lahiri = 26°43'27

ASTRODIENST EPHEMERIS for the year 2205

geocentric

MAY 2205

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	14 34 21	10°8'20"08	25°19'19	18°32'32	2°11'52	27°8'19	21°04'45	7°8'56	18°24'24	6°8'12	1°R27	23°R 6	23°24'48	7°11'50	9°24'7	W 1	
T 2	14 38 18	11°18'28	9°25'57	20°37'4	4°6	28°2'2	21°48	8°4	18°26	6°15	1°17'26	22°25'57	23°45	7°57	9°8	T 2	
F 3	14 42 14	12°16'46	24°34	22°41	5°19	28°45	21°51	8°11	18°28	6°17	1°26	22°47	23°42	8°4	9°9	F 3	
S 4	14 46 11	13°15'03	9°11'2	24°44	6°32	29°27	21°53	8°19	18°30	6°19	1°26	22°37	23°39	8°10	9°10	S 4	
S 5	14 50 8	14°13'17	23°15	26°44	7°45	0°11'10	21°56	8°27	18°32	6°21	1°25	22°27	23°36	8°17	9°10	S 5	
M 6	14 54 4	15°11'30	7°11'7	28°42	8°58	0°52	22°0	8°34	18°34	6°24	1°25	22°18	23°33	8°24	9°11	M 6	
T 7	14 58 1	16°9'41	20°35	0°11'37	10°11	1°34	22°3	8°42	18°36	6°26	1°25	22°12	23°29	8°31	9°12	T 7	
W 8	15 1 57	17°7'51	3°33'18	2°30	11°24	2°17	22°7	8°49	18°38	6°28	1°25	22°8	23°26	8°37	9°12	W 8	
T 9	15 5 54	18°5'59	16°18	4°20	12°37	2°59	22°10	8°57	18°40	6°30	1°25	22°D 6	23°23	8°44	9°13	T 9	
F 10	15 9 50	19°4'05	28°39	6°6	13°50	3°41	22°14	9°5	18°42	6°33	1°24	22°6	23°20	8°51	9°13	F 10	
S 11	15 13 47	20°2'11	10°24'44	7°50	15°3	4°23	22°18	9°12	18°44	6°35	1°24	22°7	23°17	8°57	9°14	S 11	
S 12	15 17 43	21°0'14	22°40	9°29	16°16	5°5	22°22	9°20	18°47	6°37	1°24	22°R 7	23°13	9°4	9°14	S 12	
M13	15 21 40	21°58'17	4°11'30	11°6	17°29	5°48	22°27	9°27	18°49	6°39	1°D24	22°6	23°10	9°11	9°14	M13	
T 14	15 25 37	22°56'18	16°21	12°38	18°42	6°30	22°31	9°35	18°51	6°41	1°24	22°3	23°7	9°17	9°14	T 14	
W15	15 29 33	23°54'18	28°17	14°7	19°54	7°12	22°36	9°42	18°54	6°44	1°24	21°58	23°4	9°24	9°14	W15	
T 16	15 33 30	24°52'16	10°11'21	15°33	21°7	7°54	22°41	9°50	18°56	6°46	1°24	21°51	23°1	9°31	9°14	T 16	
F 17	15 37 26	25°50'13	22°38	16°54	22°20	8°35	22°46	9°57	18°59	6°48	1°24	21°42	22°58	9°37	9°14	F 17	
S 18	15 41 23	26°48'09	5°8'10	18°12	23°32	9°17	22°51	10°5	19°1	6°50	1°25	21°32	22°54	9°44	9°14	S 18	
S 19	15 45 19	27°46'03	17°56	19°25	24°45	9°59	22°56	10°12	19°4	6°52	1°25	21°23	22°51	9°51	9°14	S 19	
M20	15 49 16	28°43'56	0°11'58	20°35	25°58	10°41	23°2	10°20	19°6	6°54	1°25	21°14	22°48	9°57	9°14	M20	
T 21	15 53 12	29°41'47	14°14	21°40	27°10	11°23	23°7	10°27	19°9	6°57	1°25	21°7	22°45	10°4	9°13	T 21	
W22	15 57 9	0°11'39'38	27°42	22°42	28°23	12°4	23°13	10°35	19°12	6°59	1°25	21°3	22°42	10°11	9°13	W22	
T 23	16 1 6	1°37'26	11°21'21	23°39	29°35	12°46	23°19	10°42	19°14	7°1	1°26	21°0	22°39	10°18	9°12	T 23	
F 24	16 5 2	2°35'13	25°10	24°32	0°54'48	13°28	23°25	10°49	19°17	7°3	1°26	21°D 0	22°35	10°24	9°12	F 24	
S 25	16 8 59	3°32'58	9°6'6	25°20	2°0	14°9	23°31	10°57	19°20	7°5	1°26	21°1	22°32	10°31	9°11	S 25	
S 26	16 12 55	4°30'42	23°9	26°5	3°12	14°51	23°38	11°4	19°23	7°7	1°27	21°2	22°29	10°38	9°10	S 26	
M27	16 16 52	5°28'24	7°11'17	26°44	4°25	15°32	23°44	11°11	19°25	7°9	1°27	21°R 2	22°26	10°44	9°9	M27	
T 28	16 20 48	6°26'04	21°30	27°20	5°37	16°14	23°51	11°18	19°28	7°11	1°27	21°1	22°23	10°51	9°9	T 28	
W29	16 24 45	7°23'43	5°24'45	27°50	6°49	16°55	23°58	11°25	19°31	7°13	1°28	20°59	22°19	10°58	9°8	W29	
T 30	16 28 41	8°21'21	19°59	28°16	8°1	17°36	24°4	11°33	19°34	7°15	1°28	20°54	22°16	11°4	9°7	T 30	
F 31	16 32 38	9°11'18'56	4°11'8	28°11'38	9°25'13	18°11'17	24°0'11	11°34'40	19°37'37	7°17	1°17'29	20°54'48	22°13	11°11	9°24'6	F 31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	14n54	5n57	4n28	18n 2	0n44	21n10	0n28	19n52	0n21	15n14	1n 3	12n 4	2s11	22n36	0n27	11n59	1s41
T 2	15 12	0 35	4 54	18 46	0 55	21 26	0 30	20 3	0 21	15 13	1 2	12 6	2 11	22 35	0 27	12 0	1 41
F 3	15 30	4s49	5 2	19 28	1 5	21 42	0 33	20 13	0 22	15 12	1 2	12 9	2 11	22 35	0 27	12 1	1 41
S 4	15 48	9 54	4 50	20 8	1 15	21 57	0 35	20 22	0 22	15 11	1 2	12 11	2 11	22 35	0 27	12 2	1 41
S 5	16 5	14 22	4 20	20 46	1 24	22 12	0 38	20 32	0 23	15 9	1 2	12 14	2 11	22 35	0 27	12 2	1 41
M 6	16 22	17 56	3 35	21 22	1 33	22 26	0 41	20 41	0 23	15 8	1 2	12 16	2 11	22 34	0 27	12 3	1 41
T 7	16 39	20 25	2 40	21 55	1 42	22 40	0 43	20 51	0 24	15 7	1 2	12 19	2 11	22 34	0 27	12 4	1 41
W 8	16 56	21 45	1 37	22 26	1 50	22 53	0 46	21 0	0 25	15 6	1 2	12 21	2 11	22 34	0 27	12 4	1 41
T 9	17 12	21 54	0 31	22 54	1 57	23 5	0 48	21 9	0 25	15 5	1 2	12 23	2 11	22 33	0 27	12 5	1 41
F 10	17 28	20 59	0s35	23 19	2 3	23 17	0 51	21 17	0 26	15 5	1 2	12 26	2 11	22 33	0 27	12 6	1 41
S 11	17 44	19 5	1 38	23 43	2 9	23 28	0 53	21 26	0 26	15 2	1 1	12 28	2 11	22 33	0 27	12 7	1 41
S 12	17 59	16 24	2 36	24 3	2 14	23 38	0 56	21 34	0 27	15 0	1 1	12 31	2 11	22 32	0 27	12 7	1 41
M13	18 14	13 3	3 26	24 22	2 18	23 47	0 58	21 42	0 27	14 59	1 1	12 33	2 11	22 32	0 27	12 8	1 41
T 14	18 29	9 12	4 8	24 37	2 21	23 56	1 1	21 50	0 28	14 57	1 1	12 35	2 11	22 32	0 27	12 9	1 41
W15	18 44	4 58	4 40	24 51	2 24	24 5	1 3	21 57	0 29	14 56	1 1	12 38	2 11	22 31	0 27	12 9	1 41
T 16	18 58	0 29	4 59	25 2	2 25	24 12	1 6	22 5	0 29	14 54	1 1	12 40	2 11	22 31	0 27	12 10	1 41
F 17	19 12	4n 4	5 5	25 11	2 26	24 19	1 8	22 12	0 30	14 52	1 1	12 42	2 11	22 31	0 27	12 11	1 41
S 18	19 25	8 34	4 57	25 19	2 26	24 25	1 10	22 19	0 30	14 50	1 1	12 45	2 11	22 30	0 27	12 12	1 41
S 19	19 38	12 47	4 33	25 24	2 25	24 31	1 12	22 26	0 31	14 48	1 0	12 47	2 11	22 30	0 27	12 12	1 41
M20	19 51	16 29	3 56	25 27	2 23	24 36	1 15	22 32	0 31	14 47	1 0	12 49	2 12	22 30	0 27	12 13	1 41
T 21	20 4	19 26	3 4	25 28	2 20	24 40	1 17	22 39	0 32	14 45	1 0	12 51	2 12	22 29	0 27	12 14	1 41
W22	20 16	21 21	2 2	25 28	2 16	24 43	1 19	22 45	0 32	14 43	1 0	12 54	2 12	22 29	0 27	12 14	1 41
T 23	20 28	22 4	0 52	25 26	2 11	24 46	1 21	22 51	0 33	14 41	1 0	12 56	2 12	22 28	0 27	12 15	1 41
F 24	20 39	21 27	0n22	25 23	2 5	24 48	1 23	22 56	0 33	14 38	1 0	12 58	2 12	22 28	0 27	12 16	1 41
S 25	20 50	19 30	1 36	25 18	1 58	24 49	1 25	23 2	0 34	14 36	1 0	13 0	2 12	22 28	0 27	12 16	1 41
S 26	21 1	16 23	2 45	25 11	1 50	24 49	1 27	23 7	0 34	14 34	1 0	13 2	2 12	22 27	0 27	12 17	1 41
M27	21 11	12 17	3 44	25 4	1 42	24 49	1 29	23 12	0 35	14 32	1 0	13 5	2 12	22 27	0 27	12 17	1 41
T 28	21 21	7 29	4 29	24 55	1 32	24 48	1 31	23 17	0 35	14 30	1 0	13 7	2 12	22 26	0 27	12 18	1 41
W29	21 31	2 17	4 58	24 45	1 21	24 47	1 33	23 22	0 36	14 27	0 59	13 9	2 12	22 26	0 27	12 19	1 41
T 30	21 40	3s 2	5 9	24 34	1 10	24 44	1 34	23 26	0 36	14 25	0 59	13 11	2 12	22 26	0 27	12 19	1 41
F 31	21n49	8s10	5n 1	24n22	0n58	24n41	1n36	23n30	0n37	14n22	0n59	13n13	2s12	22n25	0n27	12n20	1s41

Julian Day Number = 2526539.5, Delta T = 168.30 sec
 Ecliptic obliquity = 23°24'42, Nutation = - 0°00'17, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°36'35, Lahiri = 26°43'36

ASTRODIENST EPHEMERIS for the year 2205

geocentric

JUNE 2205

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 36 35	10II16'31	18III 9	28II54	10♂25	18II59	24♂19	11♂47	19♂40	7♂19	1♂29	20°R42	22♂10	11♂18	9°R 4	S 1
S 2	16 40 31	11°14'04	1♂57	29° 6	11°37	19°40	24°26	11°54	19°43	7°21	1°30	20♂36	22° 7	11°24	9° 3	S 2
M 3	16 44 28	12°11'37	15°29	29°13	12°49	20°21	24°33	12° 1	19°46	7°23	1°30	20°30	22° 4	11°31	9° 2	M 3
T 4	16 48 24	13° 9'08	28°42	29°R16	14° 1	21° 2	24°41	12° 8	19°49	7°25	1°31	20°27	22° 0	11°38	9° 1	T 4
W 5	16 52 21	14° 6'38	11♂36	29°14	15°13	21°43	24°49	12°15	19°52	7°27	1°32	20°25	21°57	11°44	8°59	W 5
T 6	16 56 17	15° 4'07	24°12	29° 7	16°24	22°24	24°56	12°22	19°55	7°29	1°32	20°D25	21°54	11°51	8°58	T 6
F 7	17 0 14	16° 1'36	6♂31	28°56	17°36	23° 5	25° 4	12°29	19°59	7°31	1°33	20°26	21°51	11°58	8°56	F 7
S 8	17 4 11	16°59'03	18°36	28°42	18°48	23°46	25°12	12°35	20° 2	7°32	1°34	20°27	21°48	12° 5	8°55	S 8
S 9	17 8 7	17°56'30	0♂33	28°23	19°59	24°27	25°20	12°42	20° 5	7°34	1°35	20°29	21°45	12°11	8°53	S 9
M10	17 12 4	18°53'57	12°25	28° 1	21°11	25° 8	25°29	12°49	20° 8	7°36	1°35	20°30	21°41	12°18	8°51	M10
T 11	17 16 0	19°51'22	24°17	27°36	22°22	25°49	25°37	12°56	20°11	7°38	1°36	20°R30	21°38	12°25	8°49	T 11
W12	17 19 57	20°48'47	6♂14	27° 8	23°34	26°29	25°46	13° 2	20°15	7°40	1°37	20°29	21°35	12°31	8°47	W12
T 13	17 23 53	21°46'11	18°22	26°38	24°45	27°10	25°54	13° 9	20°18	7°41	1°38	20°27	21°32	12°38	8°46	T 13
F 14	17 27 50	22°43'35	0♂43	26° 6	25°57	27°51	26° 3	13°15	20°21	7°43	1°39	20°23	21°29	12°45	8°44	F 14
S 15	17 31 46	23°40'58	13°21	25°33	27° 8	28°32	26°12	13°22	20°25	7°45	1°40	20°19	21°25	12°51	8°42	S 15
S 16	17 35 43	24°38'21	26°17	24°59	28°19	29°12	26°21	13°28	20°28	7°47	1°41	20°15	21°22	12°58	8°39	S 16
M17	17 39 39	25°35'43	9II34	24°26	29°30	29°53	26°30	13°35	20°31	7°48	1°42	20°12	21°19	13° 5	8°37	M17
T 18	17 43 36	26°33'05	23° 9	23°53	0♂41	0♂33	26°39	13°41	20°35	7°50	1°43	20° 9	21°16	13°12	8°35	T 18
W19	17 47 33	27°30'26	7♂ 0	23°21	1°52	1°14	26°48	13°47	20°38	7°52	1°44	20° 7	21°13	13°18	8°33	W19
T 20	17 51 29	28°27'46	21° 5	22°50	3° 3	1°54	26°57	13°53	20°42	7°53	1°45	20°D 7	21°10	13°25	8°30	T 20
F 21	17 55 26	29°25'06	5♂19	22°22	4°14	2°35	27° 7	14° 0	20°45	7°55	1°46	20° 7	21° 6	13°32	8°28	F 21
S 22	17 59 22	0♂22'25	19°39	21°56	5°25	3°15	27°16	14° 6	20°49	7°56	1°47	20° 8	21° 3	13°38	8°26	S 22
S 23	18 3 19	1°19'43	3♂59	21°34	6°36	3°55	27°26	14°12	20°52	7°58	1°48	20°10	21° 0	13°45	8°23	S 23
M24	18 7 15	2°17'00	18°18	21°15	7°47	4°36	27°36	14°18	20°55	7°59	1°49	20°11	20°57	13°52	8°21	M24
T 25	18 11 12	3°14'16	2♂32	20°59	8°57	5°16	27°46	14°24	20°59	8° 1	1°50	20°R11	20°54	13°58	8°18	T 25
W26	18 15 9	4°11'32	16°39	20°48	10° 8	5°56	27°56	14°30	21° 3	8° 2	1°51	20°11	20°51	14° 5	8°15	W26
T 27	18 19 5	5° 8'47	0♂36	20°41	11°18	6°36	28° 6	14°35	21° 6	8° 4	1°53	20°10	20°47	14°12	8°13	T 27
F 28	18 23 2	6° 6'01	14°23	20°D39	12°29	7°17	28°16	14°41	21°10	8° 5	1°54	20° 8	20°44	14°18	8°10	F 28
S 29	18 26 58	7° 3'15	27°58	20°41	13°39	7°57	28°26	14°47	21°13	8° 6	1°55	20° 6	20°41	14°25	8° 7	S 29
S 30	18 30 55	8♂ 0'28	11♂20	20II48	14♂49	8♂37	28♂36	14♂53	21♂17	8♂ 8	1♂56	20♂ 5	20♂38	14♂32	8♂ 5	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
S 1	21n58	12s49	4n35	24n 9	0n44	24n37	1n38	23n34	0n37	14n20	0n59	13n15	2s12	22n25	0n27	12n21	1s41	21n21	11n11	21n49	21n35	10s55	10s58	7n15	
S 2	22 6	16 44	3 53	23 55	0 30	24 33	1 39	23 38	0 38	14 17	0 59	13 17	2 12	22 24	0 27	12 21	1 41	21 21	11 11	21 50	21 36	10 53	10 58	7 15	
M 3	22 14	19 40	2 58	23 40	0 16	24 28	1 41	23 42	0 38	14 15	0 59	13 19	2 12	22 24	0 27	12 22	1 41	21 20	11 11	21 51	21 36	10 51	10 58	7 15	
T 4	22 21	21 29	1 55	23 25	0 0	24 22	1 42	23 45	0 39	14 12	0 59	13 21	2 13	22 23	0 27	12 22	1 41	21 20	11 10	21 51	21 37	10 49	10 58	7 16	
W 5	22 28	22 7	0 48	23 9	0s16	24 15	1 43	23 48	0 39	14 10	0 59	13 23	2 13	22 23	0 27	12 23	1 41	21 19	11 10	21 52	21 37	10 47	10 58	7 16	
T 6	22 35	21 35	0s21	22 52	0 32	24 8	1 45	23 51	0 40	14 7	0 59	13 25	2 13	22 22	0 27	12 24	1 41	21 19	11 10	21 52	21 38	10 45	10 58	7 17	
F 7	22 41	20 1	1 27	22 36	0 49	24 0	1 46	23 54	0 40	14 4	0 59	13 27	2 13	22 22	0 27	12 24	1 41	21 18	11 10	21 52	21 38	10 43	10 58	7 17	
S 8	22 47	17 35	2 28	22 18	1 6	23 52	1 47	23 57	0 41	14 1	0 58	13 29	2 13	22 21	0 27	12 25	1 41	21 18	11 9	21 51	21 39	10 41	10 58	7 18	
S 9	22 52	14 25	3 22	22 1	1 23	23 42	1 48	23 59	0 41	13 59	0 58	13 31	2 13	22 21	0 27	12 25	1 41	21 17	11 9	21 51	21 39	10 39	10 58	7 18	
M10	22 57	10 42	4 7	21 43	1 41	23 32	1 49	24 1	0 42	13 56	0 58	13 33	2 13	22 21	0 27	12 26	1 42	21 17	11 9	21 51	21 40	10 37	10 58	7 19	
T 11	23 1	6 34	4 41	21 25	1 58	23 22	1 50	24 3	0 42	13 53	0 58	13 35	2 13	22 20	0 27	12 26	1 42	21 16	11 9	21 51	21 40	10 35	10 58	7 19	
W12	23 6	2 10	5 4	21 8	2 15	23 11	1 51	24 4	0 42	13 50	0 58	13 37	2 13	22 20	0 27	12 27	1 42	21 16	11 8	21 51	21 41	10 33	10 58	7 19	
T 13	23 9	2n22	5 13	20 51	2 31	22 59	1 52	24 6	0 43	13 47	0 58	13 39	2 13	22 19	0 27	12 27	1 42	21 15	11 8	21 51	21 41	10 31	10 58	7 20	
F 14	23 13	6 53	5 8	20 34	2 47	22 46	1 52	24 7	0 43	13 44	0 58	13 41	2 14	22 19	0 27	12 28	1 42	21 15	11 8	21 52	21 42	10 29	10 58	7 20	
S 15	23 16	11 14	4 48	20 18	3 3	22 33	1 53	24 8	0 44	13 41	0 58	13 42	2 14	22 18	0 27	12 28	1 42	21 14	11 8	21 53	21 42	10 27	10 58	7 21	
S 16	23 18	15 11	4 14	20 2	3 17	22 20	1 53	24 9	0 44	13 38	0 58	13 44	2 14	22 18	0 27	12 29	1 42	21 14	11 7	21 53	21 43	10 25	10 58	7 21	
M17	23 20	18 29	3 25	19 47	3 30	22 5	1 54	24 9	0 45	13 34	0 58	13 46	2 14	22 17	0 27	12 29	1 42	21 13	11 7	21 54	21 43	10 23	10 59	7 21	
T 18	23 22	20 51	2 23	19 34	3 43	21 50	1 54	24 10	0 45	13 31	0 58	13 48	2 14	22 17	0 27	12 30	1 42	21 12	11 7	21 54	21 44	10 20	10 59	7 22	
W19	23 23	22 2	1 12	19 21	3 54	21 35	1 55	24 10	0 46	13 28	0 58	13 49	2 14	22 16	0 27	12 30	1 42	21 12	11 7	21 54	21 44	10 18	10 59	7 22	
T 20	23 24	21 51	0n 5	19 10	4 3	21 19	1 55	24 10	0 46	13 25	0 58	13 51	2 14	22 16	0 27	12 31	1 42	21 11	11 7	21 54	21 45	10 16	10 59	7 22	
F 21	23 25	20 15	1 23	19 0	4 12	21 2	1 55	24 10	0 46	13 21	0 57	13 53	2 14	22 15	0 27	12 31	1 42	21 11	11 6	21 54	21 45	10 14	10 59	7 23	
S 22	23 25	17 22	2 36	18 52	4 19	20 45	1 55	24 9	0 47	13 18	0 57	13 54	2 15	22 14	0 27	12 32	1 42	21 10	11 6	21 54	21 46	10 12	11 0	7 23	
S 23	23 24	13 26	3 39	18 45	4 24	20 27	1 55	24 8	0 47	13 15	0 57	13 56	2 15	22 14	0 27	12 32	1 42	21 9	11 6	21 54	21 46	10 10	11 0	7 24	
M24	23 24	8 44	4 28	18 40	4 28	20 9	1 55	24 8	0 48	13 11	0 57	13 58	2 15	22 13	0 27	12 33	1 42	21 9	11 6	21 54	21 47	10 8	11 0	7 24	
T 25	23 22	3 36	5 1	18 36	4 31	19 50	1 54	24 6	0 48	13 8	0 57	13 59	2 15	22 13	0 27	12 33	1 42	21 8	11 6	21 54	21 47	10 6	11 1	7 24	
W26	23 21	1s41	5 15	18 34	4 32	19 31	1 54	24 5	0 48	13 4	0 57	14 1	2 15	22 12	0 27	12 33	1 42	21 8	11 5	21 54	21 48	10 4	11 1	7 24	
T 27	23 19	6 49	5 11	18 33	4 32	19 11	1 54	24 4	0 49	13 1	0 57	14 2	2 15	22 12	0 27	12 34	1 42	21 7	11 5	21 54	21 48	10 2	11 1	7 25	
F 28	23 16	11 33	4 48	18 35	4 31	18 51	1 53	24 2	0 49	12 57	0 57	14 4	2 15	22 11	0 27	12 34	1 42	21 6	11 5	21 54	21 49	9 59	11 2	7 25	
S 29	23 13	15 38	4 10	18 37	4 28	18 30	1 53	24 0	0 50	12 54	0 57	14 6	2 16	22 11	0 27	12 35	1 42	21 6	11 5	21 54	21 49	9 57	11 2	7 25	
S 30	23n10	18s50	3n18	18n41	4s25	18n 9	1n52	23n58	0n50	12n50	0n57	14n 7	2s16	22n10	0n27	12n35	1s42	21n 5	11n 5	21n55	21n50	9s55	11s 3	7n26	

ASTRODIENST EPHEMERIS for the year 2205

geocentric

JULY 2205

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	18 34 51	8°57'41	24°27	20°59	16°0	9°17	28°47	14°58	21°20	8°9	1°58	20°R 4	20°35	14°39	8°R 2	M 1
T 2	18 38 48	9°54'53	7°30	21°16	17°10	9°57	28°57	15°4	21°24	8°10	1°59	20°3	20°31	14°45	7°59	T 2
W 3	18 42 44	10°52'06	19°58	21°37	18°20	10°37	29°7	15°9	21°27	8°12	2°0	20°D 3	20°28	14°52	7°56	W 3
T 4	18 46 41	11°49'18	2°23	22°3	19°30	11°17	29°18	15°14	21°31	8°13	2°2	20°3	20°25	14°59	7°53	T 4
F 5	18 50 38	12°46'30	14°35	22°34	20°39	11°57	29°29	15°20	21°35	8°14	2°3	20°3	20°22	15°5	7°50	F 5
S 6	18 54 34	13°43'42	26°37	23°10	21°49	12°36	29°40	15°25	21°38	8°15	2°4	20°4	20°19	15°12	7°47	S 6
S 7	18 58 31	14°40'54	8°33	23°50	22°59	13°16	29°50	15°30	21°42	8°16	2°6	20°5	20°16	15°19	7°44	S 7
M 8	19 2 27	15°38'07	20°25	24°35	24°8	13°56	0°1	15°35	21°46	8°18	2°7	20°5	20°12	15°25	7°41	M 8
T 9	19 6 24	16°35'19	2°17	25°25	25°18	14°36	0°12	15°40	21°49	8°19	2°9	20°5	20°9	15°32	7°38	T 9
W10	19 10 20	17°32'32	14°14	26°19	26°27	15°16	0°23	15°45	21°53	8°20	2°10	20°R 5	20°6	15°39	7°34	W10
T 11	19 14 17	18°29'45	26°21	27°18	27°37	15°55	0°34	15°50	21°56	8°21	2°12	20°5	20°3	15°46	7°31	T 11
F 12	19 18 13	19°26'58	8°42	28°21	28°46	16°35	0°46	15°55	22°0	8°22	2°13	20°5	20°0	15°52	7°28	F 12
S 13	19 22 10	20°24'12	21°20	29°28	29°55	17°15	0°57	16°0	22°4	8°23	2°15	20°D 5	19°57	15°59	7°25	S 13
S 14	19 26 7	21°21'26	4°20	0°40	1°1	17°54	1°8	16°4	22°7	8°24	2°16	20°5	19°53	16°6	7°21	S 14
M15	19 30 3	22°18'41	17°43	1°56	2°13	18°34	1°20	16°9	22°11	8°25	2°18	20°6	19°50	16°12	7°18	M15
T 16	19 34 0	23°15'56	1°30	3°17	3°22	19°13	1°31	16°13	22°15	8°25	2°20	20°6	19°47	16°19	7°15	T 16
W17	19 37 56	24°13'12	15°38	4°41	4°31	19°53	1°42	16°18	22°18	8°26	2°21	20°R 6	19°44	16°26	7°11	W17
T 18	19 41 53	25°10'27	0°1	5°10	5°39	20°32	1°54	16°22	22°22	8°27	2°23	20°6	19°41	16°32	7°8	T 18
F 19	19 45 49	26°7'43	14°44	7°42	6°48	21°12	2°6	16°26	22°26	8°28	2°24	20°6	19°37	16°39	7°5	F 19
S 20	19 49 46	27°4'59	29°30	9°18	7°56	21°51	2°17	16°30	22°29	8°29	2°26	20°5	19°34	16°46	7°1	S 20
S 21	19 53 42	28°2'16	14°15	10°58	9°4	22°31	2°29	16°34	22°33	8°29	2°28	20°4	19°31	16°53	6°58	S 21
M22	19 57 39	28°59'32	28°52	12°42	10°13	23°10	2°41	16°38	22°37	8°30	2°29	20°3	19°28	16°59	6°55	M22
T 23	20 1 36	29°56'49	13°1	14°29	11°21	23°49	2°53	16°42	22°40	8°31	2°31	20°3	19°25	17°6	6°51	T 23
W24	20 5 32	0°54'05	27°26	16°19	12°29	24°28	3°5	16°46	22°44	8°31	2°33	20°D 2	19°22	17°13	6°48	W24
T 25	20 9 29	1°51'22	11°18	18°12	13°37	25°8	3°17	16°50	22°47	8°32	2°35	20°2	19°18	17°19	6°44	T 25
F 26	20 13 25	2°48'39	24°51	20°8	14°44	25°47	3°29	16°53	22°51	8°33	2°36	20°3	19°15	17°26	6°41	F 26
S 27	20 17 22	3°45'57	8°7	22°6	15°52	26°26	3°41	16°57	22°55	8°33	2°38	20°4	19°12	17°33	6°37	S 27
S 28	20 21 18	4°43'15	21°7	24°6	16°59	27°5	3°53	17°0	22°58	8°34	2°40	20°5	19°9	17°39	6°34	S 28
M29	20 25 15	5°40'33	3°35	26°8	18°6	27°44	4°5	17°4	23°2	8°34	2°42	20°6	19°6	17°46	6°30	M29
T 30	20 29 11	6°37'52	16°25	28°12	19°14	28°24	4°17	17°7	23°5	8°35	2°43	20°R 7	19°3	17°53	6°27	T 30
W31	20 33 8	7°35'11	28°47	0°17	20°21	29°3	4°29	17°10	23°9	8°35	2°45	20°7	18°59	18°0	6°23	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	23n 7	21s 1	2n17	18n47	4s20	17n48	1n51	23n56	0n50	12n46	0n57	14n 8	2s16	22n10	0n27	12n35
T 2	23 2	22 3	1 10	18 54	4 14	17 26	1 50	23 53	0 51	12 43	0 57	14 10	2 16	22 9	0 27	12 36
W 3	22 58	21 55	0 0	19 2	4 7	17 3	1 49	23 50	0 51	12 39	0 57	14 11	2 16	22 8	0 27	12 36
T 4	22 53	20 43	1s 8	19 11	4 0	16 40	1 48	23 47	0 52	12 35	0 57	14 13	2 16	22 8	0 27	12 37
F 5	22 48	18 32	2 12	19 21	3 51	16 17	1 47	23 44	0 52	12 31	0 57	14 14	2 17	22 7	0 27	12 37
S 6	22 42	15 35	3 9	19 32	3 42	15 53	1 46	23 41	0 52	12 28	0 57	14 15	2 17	22 7	0 27	12 37
S 7	22 36	12 2	3 58	19 44	3 32	15 29	1 44	23 38	0 53	12 24	0 56	14 17	2 17	22 6	0 27	12 37
M 8	22 30	8 1	4 36	19 57	3 21	15 5	1 43	23 34	0 53	12 20	0 56	14 18	2 17	22 6	0 27	12 38
T 9	22 23	3 43	5 2	20 10	3 10	14 40	1 41	23 30	0 54	12 16	0 56	14 19	2 17	22 5	0 27	12 38
W10	22 16	0n45	5 16	20 23	2 59	14 15	1 40	23 26	0 54	12 12	0 56	14 21	2 17	22 4	0 27	12 38
T 11	22 8	5 15	5 15	20 36	2 47	13 49	1 38	23 22	0 54	12 8	0 56	14 22	2 18	22 4	0 27	12 39
F 12	22 0	9 38	5 1	20 50	2 34	13 24	1 36	23 17	0 55	12 4	0 56	14 23	2 18	22 3	0 27	12 39
S 13	21 52	13 42	4 31	21 3	2 22	12 57	1 34	23 13	0 55	12 0	0 56	14 24	2 18	22 3	0 27	12 39
S 14	21 43	17 15	3 48	21 16	2 9	12 31	1 32	23 8	0 55	11 56	0 56	14 25	2 18	22 2	0 27	12 39
M15	21 34	20 1	2 50	21 28	1 55	12 4	1 30	23 3	0 56	11 52	0 56	14 26	2 18	22 2	0 27	12 40
T 16	21 25	21 43	1 41	21 40	1 42	11 37	1 28	22 58	0 56	11 48	0 56	14 27	2 19	22 1	0 27	12 40
W17	21 15	22 5	0 25	21 51	1 29	11 10	1 25	22 52	0 56	11 44	0 56	14 29	2 19	22 0	0 27	12 40
T 18	21 5	21 0	0n55	22 1	1 15	10 43	1 23	22 47	0 57	11 39	0 56	14 30	2 19	22 0	0 27	12 40
F 19	20 54	18 30	2 12	22 9	1 2	10 15	1 20	22 41	0 57	11 35	0 56	14 31	2 19	21 59	0 27	12 41
S 20	20 43	14 47	3 21	22 17	0 49	9 47	1 18	22 35	0 57	11 31	0 56	14 32	2 19	21 59	0 27	12 41
S 21	20 32	10 9	4 17	22 22	0 36	9 19	1 15	22 29	0 58	11 27	0 56	14 32	2 20	21 58	0 27	12 41
M22	20 20	4 58	4 55	22 26	0 23	8 51	1 12	22 23	0 58	11 23	0 56	14 33	2 20	21 57	0 27	12 41
T 23	20 8	0s25	5 14	22 27	0 10	8 22	1 9	22 16	0 58	11 18	0 56	14 34	2 20	21 57	0 27	12 41
W24	19 56	5 40	5 14	22 27	0n 2	7 53	1 6	22 10	0 59	11 14	0 56	14 35	2 20	21 56	0 27	12 41
T 25	19 43	10 31	4 55	22 24	0 14	7 25	1 3	22 3	0 59	11 10	0 56	14 36	2 20	21 56	0 27	12 42
F 26	19 31	14 45	4 20	22 19	0 25	6 56	1 0	21 56	0 59	11 5	0 56	14 37	2 21	21 55	0 27	12 42
S 27	19 17	18 9	3 32	22 11	0 36	6 26	0 57	21 49	1 0	11 1	0 56	14 38	2 21	21 55	0 27	12 42
S 28	19 4	20 34	2 34	22 1	0 45	5 57	0 53	21 42	1 0	10 56	0 56	14 38	2 21	21 54	0 27	12 42
M29	18 50	21 53	1 29	21 48	0 55	5 28	0 50	21 34	1 0	10 52	0 56	14 39	2 21	21 53	0 27	12 42
T 30	18 36	22 4	0 20	21 32	1 3	4 58	0 46	21 27	1 1	10 48	0 56	14 40	2 21	21 53	0 27	12 42
W31	18n21	21s10	0s48	21n14	1n11	4n28	0n42	21n19	1n 1	10n43	0n56	14n40	2s22	21n52	0n27	12n42

Julian Day Number = 2526600.5, Delta T = 168.47 sec
 Ecliptic obliquity = 23°24'41, Nutation = - 0°00'16, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°36'43, Lahiri = 26°43'44

ASTRODIENST EPHEMERIS for the year 2205
geocentric

AUGUST 2205

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 37 5	8♌32°31	10♋59	2♊22	21♏27	29♎42	4♏42	17♏13	23♎13	8♏35	2♏47	20♏6	18♎56	18♏6	6♏20	T 1
F 2	20 41 1	9♍29°51	23° 2	4°28	22°34	0♌21	4°54	17°16	23°16	8°36	2°49	20♎4	18°53	18°13	6♏17	F 2
S 3	20 44 58	10°27'13	5♋0	6°35	23°41	1° 0	5° 6	17°19	23°20	8°36	2°51	20° 1	18°50	18°20	6°13	S 3
S 4	20 48 54	11°24'35	16°53	8°41	24°47	1°39	5°19	17°22	23°23	8°36	2°53	19°57	18°47	18°26	6°10	S 4
M 5	20 52 51	12°21'58	28°44	10°47	25°53	2°18	5°31	17°25	23°27	8°37	2°55	19°54	18°43	18°33	6° 6	M 5
T 6	20 56 47	13°19'23	10♏36	12°52	26°59	2°56	5°44	17°27	23°30	8°37	2°56	19°51	18°40	18°40	6° 3	T 6
W 7	21 0 44	14°16'48	22°33	14°57	28° 5	3°35	5°56	17°30	23°34	8°37	2°58	19°48	18°37	18°46	5°59	W 7
T 8	21 4 40	15°14'14	4♏39	17° 0	29°11	4°14	6° 9	17°32	23°37	8°37	3° 0	19°46	18°34	18°53	5°56	T 8
F 9	21 8 37	16°11'42	16°57	19° 3	0♎16	4°53	6°21	17°34	23°41	8°37	3° 2	19°D46	18°31	19° 0	5°53	F 9
S 10	21 12 34	17° 9'11	29°32	21° 5	1°22	5°32	6°34	17°37	23°44	8°37	3° 4	19°46	18°28	19° 7	5°49	S 10
S 11	21 16 30	18° 6'42	12♏28	23° 5	2°27	6°11	6°47	17°39	23°47	8°37	3° 6	19°48	18°24	19°13	5°46	S 11
M12	21 20 27	19° 4'13	25°49	25° 4	3°32	6°49	6°59	17°41	23°51	8°R37	3° 8	19°49	18°21	19°20	5°43	M12
T 13	21 24 23	20° 1'46	9♎36	27° 1	4°37	7°28	7°12	17°43	23°54	8°37	3°10	19°50	18°18	19°27	5°39	T 13
W14	21 28 20	20°59'21	23°50	28°57	5°41	8° 7	7°25	17°45	23°58	8°37	3°12	19°R51	18°15	19°33	5°36	W14
T 15	21 32 16	21°56'56	8♌28	0♏52	6°46	8°46	7°37	17°46	24° 1	8°37	3°14	19°50	18°12	19°40	5°33	T 15
F 16	21 36 13	22°54'33	23°25	2°45	7°50	9°24	7°50	17°48	24° 4	8°37	3°16	19°47	18° 9	19°47	5°30	F 16
S 17	21 40 9	23°52'10	8♏31	4°37	8°54	10° 3	8° 3	17°49	24° 8	8°37	3°18	19°43	18° 5	19°54	5°26	S 17
S 18	21 44 6	24°49'49	23°39	6°27	9°58	10°41	8°16	17°51	24°11	8°37	3°19	19°38	18° 2	20° 0	5°23	S 18
M19	21 48 3	25°47'29	8♎37	8°15	11° 1	11°20	8°29	17°52	24°14	8°37	3°21	19°33	17°59	20° 7	5°20	M19
T 20	21 51 59	26°45'10	23°19	10° 3	12° 4	11°59	8°42	17°53	24°17	8°36	3°23	19°29	17°56	20°14	5°17	T 20
W21	21 55 56	27°42'52	7♏38	11°48	13° 7	12°37	8°54	17°54	24°20	8°36	3°25	19°25	17°53	20°20	5°14	W21
T 22	21 59 52	28°40'35	21°32	13°33	14°10	13°16	9° 7	17°55	24°24	8°36	3°27	19°24	17°49	20°27	5°11	T 22
F 23	22 3 49	29°38'19	5♎2	15°16	15°13	13°54	9°20	17°56	24°27	8°35	3°29	19°D24	17°46	20°34	5° 8	F 23
S 24	22 7 45	0♏36°04	18° 9	16°57	16°15	14°33	9°33	17°57	24°30	8°35	3°31	19°25	17°43	20°40	5° 5	S 24
S 25	22 11 42	1°33'50	0♎56	18°37	17°17	15°11	9°46	17°58	24°33	8°35	3°33	19°26	17°40	20°47	5° 2	S 25
M26	22 15 38	2°31'37	13°27	20°16	18°19	15°49	9°59	17°58	24°36	8°34	3°35	19°R27	17°37	20°54	4°59	M26
T 27	22 19 35	3°29'26	25°45	21°53	19°20	16°28	10°12	17°59	24°39	8°34	3°37	19°27	17°34	21° 1	4°56	T 27
W28	22 23 32	4°27'16	7♎53	23°29	20°21	17° 6	10°25	17°59	24°42	8°33	3°39	19°25	17°30	21° 7	4°53	W28
T 29	22 27 28	5°25'07	19°54	25° 3	21°22	17°45	10°38	17°59	24°45	8°33	3°41	19°22	17°27	21°14	4°50	T 29
F 30	22 31 25	6°22'59	1♎50	26°37	22°22	18°23	10°51	17°59	24°48	8°32	3°43	19°16	17°24	21°21	4°48	F 30
S 31	22 35 21	7♏20°53	13♎43	28♏8	23♎23	19♏1	11♏4	17°R59	24♎51	8♎32	3♏45	19♎8	17♎21	21♎27	4♎45	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	18n 6	19s16	1s53	20n53	1n18	3n59	0n39	21n11	1n 1	10n39	0n56	14n41	2s22	21n52	0n27	12n42
F 2	17 51	16 31	2 52	20 29	1 24	3 29	0 35	21 3	1 1	10 34	0 56	14 42	2 22	21 51	0 27	12 42
S 3	17 36	13 7	3 43	20 3	1 30	2 59	0 31	20 55	1 2	10 30	0 56	14 42	2 22	21 50	0 27	12 42
S 4	17 20	9 13	4 24	19 35	1 35	2 29	0 27	20 47	1 2	10 25	0 56	14 43	2 23	21 50	0 27	12 42
M 5	17 4	4 59	4 53	19 5	1 38	1 59	0 23	20 38	1 2	10 20	0 56	14 43	2 23	21 49	0 27	12 42
T 6	16 48	0 34	5 10	18 33	1 41	1 29	0 18	20 30	1 3	10 16	0 56	14 44	2 23	21 49	0 27	12 42
W 7	16 32	3n55	5 14	17 59	1 44	0 59	0 14	20 21	1 3	10 11	0 56	14 44	2 23	21 48	0 27	12 42
T 8	16 15	8 17	5 4	17 23	1 45	0 29	0 10	20 12	1 3	10 7	0 56	14 45	2 23	21 48	0 27	12 42
F 9	15 58	12 24	4 39	16 46	1 46	0s 2	0 5	20 3	1 3	10 2	0 56	14 45	2 24	21 47	0 27	12 42
S 10	15 41	16 5	4 2	16 8	1 46	0 32	0 1	19 54	1 4	9 57	0 56	14 46	2 24	21 46	0 27	12 42
S 11	15 23	19 7	3 11	15 28	1 45	1 2	0s 4	19 44	1 4	9 53	0 56	14 46	2 24	21 46	0 27	12 42
M12	15 5	21 13	2 8	14 47	1 44	1 32	0 9	19 35	1 4	9 48	0 56	14 46	2 24	21 45	0 27	12 42
T 13	14 47	22 8	0 56	14 6	1 42	2 2	0 13	19 25	1 5	9 43	0 56	14 47	2 25	21 45	0 27	12 42
W14	14 29	21 40	0n22	13 23	1 40	2 32	0 18	19 16	1 5	9 38	0 56	14 47	2 25	21 44	0 27	12 42
T 15	14 11	19 44	1 40	12 40	1 37	3 2	0 23	19 6	1 5	9 34	0 56	14 47	2 25	21 44	0 27	12 42
F 16	13 52	16 25	2 53	11 56	1 34	3 32	0 28	18 56	1 5	9 29	0 56	14 47	2 25	21 43	0 27	12 42
S 17	13 33	11 59	3 55	11 12	1 30	4 2	0 33	18 46	1 6	9 24	0 56	14 48	2 26	21 42	0 27	12 42
S 18	13 14	6 48	4 40	10 27	1 25	4 32	0 39	18 35	1 6	9 19	0 56	14 48	2 26	21 42	0 27	12 42
M19	12 54	1 16	5 5	9 43	1 21	5 2	0 44	18 25	1 6	9 15	0 56	14 48	2 26	21 41	0 27	12 42
T 20	12 35	4s14	5 10	8 57	1 15	5 31	0 49	18 15	1 6	9 10	0 56	14 48	2 26	21 41	0 27	12 41
W21	12 15	9 23	4 55	8 12	1 10	6 1	0 54	18 4	1 7	9 5	0 56	14 48	2 27	21 40	0 27	12 41
T 22	11 55	13 53	4 24	7 27	1 4	6 30	1 0	17 53	1 7	9 0	0 56	14 48	2 27	21 40	0 27	12 41
F 23	11 35	17 33	3 38	6 42	0 58	6 59	1 5	17 42	1 7	8 55	0 56	14 48	2 27	21 39	0 27	12 41
S 24	11 15	20 12	2 42	5 56	0 52	7 29	1 11	17 31	1 7	8 51	0 56	14 48	2 27	21 39	0 27	12 41
S 25	10 54	21 46	1 39	5 11	0 45	7 58	1 17	17 20	1 8	8 46	0 56	14 48	2 27	21 38	0 27	12 41
M26	10 34	22 12	0 33	4 26	0 38	8 26	1 22	17 9	1 8	8 41	0 56	14 48	2 28	21 38	0 27	12 40
T 27	10 13	21 32	0s34	3 41	0 31	8 55	1 28	16 58	1 8	8 36	0 56	14 48	2 28	21 37	0 27	12 40
W28	9 52	19 51	1 38	2 56	0 23	9 24	1 34	16 47	1 8	8 31	0 56	14 48	2 28	21 37	0 27	12 40
T 29	9 31	17 18	2 37	2 12	0 16	9 52	1 40	16 35	1 8	8 26	0 56	14 48	2 28	21 36	0 27	12 40
F 30	9 10	14 3	3 28	1 28	0 8	10 20	1 46	16 23	1 9	8 21	0 56	14 47	2 29	21 36	0 27	12 40
S 31	8n48	10s14	4s10	0n44	0s 0	10s48	1s52	16n12	1n 9	8n16	0n56	14n47	2s29	21n35	0n27	12n39

Julian Day Number = 2526631.5, Delta T = 168.55 sec
Ecliptic obliquity = 23°24'42, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°36'48, Lahiri = 26°43'48

ASTRODIENST EPHEMERIS for the year 2205

geocentric

SEPTEMBER 2205

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 39 18	8 ^h 18'48"	25 ^h 35'	29 ^h 39'	24 ^h 22'	19 ^h 39'	11 ^h 17'	17 ^h 59'	24 ^h 54'	8 ^h 31'	3 ^h 47'	18 ^h 59'	17 ^h 18'	21 ^h 34'	4 ^h 42'	S 1
M 2	22 43 14	9 ^h 16'45"	7 ^h 27'	1 ^h 8'	25 ^h 22'	20 ^h 18'	11 ^h 30'	17 ^h 59'	24 ^h 57'	8 ^h 30'	3 ^h 49'	18 ^h 49'	17 ^h 14'	21 ^h 41'	4 ^h 40'	M 2
T 3	22 47 11	10 ^h 14'44"	19 ^h 21'	2 ^h 35'	26 ^h 21'	20 ^h 56'	11 ^h 43'	17 ^h 59'	25 ^h 0'	8 ^h 30'	3 ^h 51'	18 ^h 40'	17 ^h 11'	21 ^h 48'	4 ^h 37'	T 3
W 4	22 51 7	11 ^h 12'44"	18 ^h 20'	4 ^h 2'	27 ^h 20'	21 ^h 34'	11 ^h 56'	17 ^h 58'	25 ^h 2'	8 ^h 29'	3 ^h 53'	18 ^h 32'	17 ^h 8'	21 ^h 54'	4 ^h 35'	W 4
T 5	22 55 4	12 ^h 10'47"	13 ^h 26'	5 ^h 26'	28 ^h 18'	22 ^h 12'	12 ^h 9'	17 ^h 58'	25 ^h 5'	8 ^h 28'	3 ^h 55'	18 ^h 26'	17 ^h 5'	22 ^h 1'	4 ^h 32'	T 5
F 6	22 59 0	13 ^h 8'51"	25 ^h 43'	6 ^h 50'	29 ^h 16'	22 ^h 50'	12 ^h 22'	17 ^h 57'	25 ^h 8'	8 ^h 27'	3 ^h 57'	18 ^h 22'	17 ^h 2'	22 ^h 8'	4 ^h 30'	F 6
S 7	23 2 57	14 ^h 6'57"	8 ^h 15'	8 ^h 12'	0 ^h 13'	23 ^h 29'	12 ^h 35'	17 ^h 56'	25 ^h 11'	8 ^h 27'	3 ^h 59'	18 ^h 21'	16 ^h 59'	22 ^h 14'	4 ^h 28'	S 7
S 8	23 6 54	15 ^h 5'05"	21 ^h 6'	9 ^h 32'	1 ^h 10'	24 ^h 7'	12 ^h 48'	17 ^h 56'	25 ^h 13'	8 ^h 26'	4 ^h 1'	18 ^h D21	16 ^h 55'	22 ^h 21'	4 ^h 25'	S 8
M 9	23 10 50	16 ^h 3'15"	4 ^h 20'	10 ^h 51'	2 ^h 7'	24 ^h 45'	13 ^h 1'	17 ^h 55'	25 ^h 16'	8 ^h 25'	4 ^h 3'	18 ^h 21'	16 ^h 52'	22 ^h 28'	4 ^h 23'	M 9
T 10	23 14 47	17 ^h 1'27"	18 ^h 0'	12 ^h 8'	3 ^h 3'	25 ^h 23'	13 ^h 14'	17 ^h 54'	25 ^h 18'	8 ^h 24'	4 ^h 5'	18 ^h R22	16 ^h 49'	22 ^h 35'	4 ^h 21'	T 10
W11	23 18 43	17 ^h 59'42"	2 ^h 8'	13 ^h 24'	3 ^h 59'	26 ^h 1'	13 ^h 27'	17 ^h 53'	25 ^h 21'	8 ^h 23'	4 ^h 7'	18 ^h 21'	16 ^h 46'	22 ^h 41'	4 ^h 19'	W11
T 12	23 22 40	18 ^h 57'58"	16 ^h 43'	14 ^h 38'	4 ^h 54'	26 ^h 39'	13 ^h 40'	17 ^h 51'	25 ^h 24'	8 ^h 22'	4 ^h 9'	18 ^h 18'	16 ^h 43'	22 ^h 48'	4 ^h 17'	T 12
F 13	23 26 36	19 ^h 56'16"	1 ^h 42'	15 ^h 50'	5 ^h 49'	27 ^h 17'	13 ^h 53'	17 ^h 50'	25 ^h 26'	8 ^h 21'	4 ^h 11'	18 ^h 13'	16 ^h 40'	22 ^h 55'	4 ^h 15'	F 13
S 14	23 30 33	20 ^h 54'35"	16 ^h 55'	17 ^h 1'	6 ^h 43'	27 ^h 55'	14 ^h 6'	17 ^h 48'	25 ^h 28'	8 ^h 20'	4 ^h 12'	18 ^h 5'	16 ^h 36'	23 ^h 1'	4 ^h 13'	S 14
S 15	23 34 29	21 ^h 52'57"	2 ^h 14'	18 ^h 9'	7 ^h 37'	28 ^h 33'	14 ^h 19'	17 ^h 47'	25 ^h 31'	8 ^h 19'	4 ^h 14'	17 ^h 56'	16 ^h 33'	23 ^h 8'	4 ^h 11'	S 15
M16	23 38 26	22 ^h 51'20"	17 ^h 27'	19 ^h 15'	8 ^h 30'	29 ^h 11'	14 ^h 32'	17 ^h 45'	25 ^h 33'	8 ^h 18'	4 ^h 16'	17 ^h 47'	16 ^h 30'	23 ^h 15'	4 ^h 9'	M16
T 17	23 42 23	23 ^h 49'45"	2 ^h 12'	20 ^h 20'	9 ^h 22'	29 ^h 49'	14 ^h 45'	17 ^h 43'	25 ^h 36'	8 ^h 17'	4 ^h 18'	17 ^h 38'	16 ^h 27'	23 ^h 21'	4 ^h 7'	T 17
W18	23 46 19	24 ^h 48'12"	16 ^h 55'	21 ^h 22'	10 ^h 14'	0 ^h 17'	14 ^h 58'	17 ^h 42'	25 ^h 38'	8 ^h 16'	4 ^h 20'	17 ^h 31'	16 ^h 24'	23 ^h 28'	4 ^h 6'	W18
T 19	23 50 16	25 ^h 46'40"	0 ^h 59'	22 ^h 21'	11 ^h 6'	1 ^h 5'	15 ^h 11'	17 ^h 40'	25 ^h 40'	8 ^h 15'	4 ^h 22'	17 ^h 26'	16 ^h 20'	23 ^h 35'	4 ^h 4'	T 19
F 20	23 54 12	26 ^h 45'10"	14 ^h 33'	23 ^h 18'	11 ^h 56'	1 ^h 43'	15 ^h 24'	17 ^h 38'	25 ^h 42'	8 ^h 14'	4 ^h 24'	17 ^h 24'	16 ^h 17'	23 ^h 42'	4 ^h 2'	F 20
S 21	23 58 9	27 ^h 43'42"	27 ^h 40'	24 ^h 12'	12 ^h 46'	2 ^h 21'	15 ^h 37'	17 ^h 35'	25 ^h 44'	8 ^h 12'	4 ^h 26'	17 ^h D23	16 ^h 14'	23 ^h 48'	4 ^h 1'	S 21
S 22	0 2 5	28 ^h 42'15"	10 ^h 32'	25 ^h 3'	13 ^h 35'	2 ^h 58'	15 ^h 50'	17 ^h 33'	25 ^h 47'	8 ^h 11'	4 ^h 28'	17 ^h 23'	16 ^h 11'	23 ^h 55'	3 ^h 59'	S 22
M23	0 6 2	29 ^h 40'49"	22 ^h 48'	25 ^h 50'	14 ^h 24'	3 ^h 36'	16 ^h 2'	17 ^h 31'	25 ^h 49'	8 ^h 10'	4 ^h 29'	17 ^h R23	16 ^h 8'	24 ^h 2'	3 ^h 58'	M23
T 24	0 9 58	0 ^h 39'26"	4 ^h 58'	26 ^h 34'	15 ^h 12'	4 ^h 14'	16 ^h 15'	17 ^h 28'	25 ^h 51'	8 ^h 9'	4 ^h 31'	17 ^h 22'	16 ^h 5'	24 ^h 8'	3 ^h 57'	T 24
W25	0 13 55	1 ^h 38'04"	16 ^h 58'	27 ^h 15'	15 ^h 59'	4 ^h 52'	16 ^h 28'	17 ^h 26'	25 ^h 53'	8 ^h 8'	4 ^h 33'	17 ^h 18'	16 ^h 1'	24 ^h 15'	3 ^h 55'	W25
T 26	0 17 52	2 ^h 36'44"	28 ^h 53'	27 ^h 51'	16 ^h 45'	5 ^h 30'	16 ^h 41'	17 ^h 23'	25 ^h 54'	8 ^h 6'	4 ^h 35'	17 ^h 12'	15 ^h 58'	24 ^h 22'	3 ^h 54'	T 26
F 27	0 21 48	3 ^h 35'25"	10 ^h 45'	28 ^h 23'	17 ^h 30'	6 ^h 7'	16 ^h 54'	17 ^h 21'	25 ^h 56'	8 ^h 5'	4 ^h 37'	17 ^h 3'	15 ^h 55'	24 ^h 29'	3 ^h 53'	F 27
S 28	0 25 45	4 ^h 34'09"	22 ^h 36'	28 ^h 50'	18 ^h 14'	6 ^h 45'	17 ^h 6'	17 ^h 18'	25 ^h 58'	8 ^h 4'	4 ^h 38'	16 ^h 51'	15 ^h 52'	24 ^h 35'	3 ^h 52'	S 28
S 29	0 29 41	5 ^h 32'54"	4 ^h 29'	29 ^h 12'	18 ^h 58'	7 ^h 23'	17 ^h 19'	17 ^h 15'	26 ^h 0'	8 ^h 2'	4 ^h 40'	16 ^h 38'	15 ^h 49'	24 ^h 42'	3 ^h 51'	S 29
M30	0 33 38	6 ^h 31'41"	16 ^h 25'	29 ^h 28'	19 ^h 140'	8 ^h 0'	17 ^h 32'	17 ^h 12'	26 ^h 2'	8 ^h 1'	4 ^h 42'	16 ^h 24'	15 ^h 45'	24 ^h 49'	3 ^h 50'	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	decl	lat
S 1	8n27	6s 3	4s41	0n 1	0s 8	11s15	1s57	16n 0	1n 9	8n11	0n56	14n47	2s29	21n35	0n27	12n39	1s46	20n20	11n 1	22n 4	22n18	7s36	11s53	7n23							
M 2	8 5	1 38	5 0	0s42	0 16	11 43	2 4	15 48	1 9	8 7	0 56	14 47	2 29	21 34	0 27	12 39	1 46	20 20	11 1	22 6	22 18	7 34	11 54	7 23							
T 3	7 43	2n51	5 6	1 24	0 25	12 10	2 10	15 36	1 10	8 2	0 56	14 46	2 30	21 34	0 27	12 39	1 46	20 19	11 1	22 7	22 19	7 31	11 55	7 23							
W 4	7 21	7 15	4 58	2 6	0 33	12 37	2 16	15 24	1 10	7 57	0 56	14 46	2 30	21 33	0 28	12 38	1 46	20 19	11 1	22 8	22 19	7 29	11 56	7 22							
T 5	6 59	11 26	4 38	2 48	0 41	13 4	2 22	15 12	1 10	7 52	0 56	14 46	2 30	21 33	0 28	12 38	1 46	20 18	11 1	22 9	22 19	7 27	11 57	7 22							
F 6	6 37	15 13	4 4	3 28	0 50	13 30	2 28	15 0	1 10	7 47	0 56	14 45	2 30	21 32	0 28	12 38	1 46	20 17	11 1	22 9	22 20	7 25	11 58	7 22							
S 7	6 15	18 24	3 18	4 9	0 59	13 57	2 34	14 47	1 10	7 42	0 56	14 45	2 30	21 32	0 28	12 37	1 46	20 17	11 1	22 9	22 20	7 22	11 58	7 21							
S 8	5 52	20 47	2 21	4 48	1 7	14 22	2 40	14 35	1 11	7 37	0 56	14 44	2 31	21 31	0 28	12 37	1 46	20 16	11 1	22 9	22 21	7 20	11 59	7 21							
M 9	5 30	22 6	1 14	5 27	1 16	14 48	2 47	14 22	1 11	7 32	0 57	14 44	2 31	21 31	0 28	12 37	1 46	20 15	11 1	22 9	22 21	7 18	12 0	7 20							
T 10	5 7	22 10	0 2	6 5	1 24	15 13	2 53	14 10	1 11	7 27	0 57	14 43	2 31	21 30	0 28	12 36	1 47	20 15	11 1	22 9	22 21	7 15	12 1	7 20							
W11	4 44	20 51	1n13	6 43	1 33	15 38	2 59	13 57	1 11	7 22	0 57	14 43	2 31	21 30	0 28	12 36	1 47	20 14	11 1	22 9	22 22	7 13	12 2	7 20							
T 12	4 22	18 7	2 25	7 19	1 42	16 3	3 6	13 44	1 11	7 17	0 57	14 42	2 32	21 29	0 28	12 36	1 47	20 14	11 1	22 10	22 22	7 11	12 3	7 19							
F 13	3 59	14 7	3 30	7 55	1 50	16 28	3 12	13 31	1 12	7 12	0 57	14 42	2 32	21 29	0 28	12 35	1 47	20 13	11 1	22 10	22 22	7 8	12 4	7 19							
S 14	3 36	9 9	4 20	8 30	1 59	16 52	3 18	13 18	1 12	7 7	0 57	14 41	2 32	21 29	0 28	12 35	1 47	20 12	11 1	22 11	22 23	7 6	12 5	7 18							
S 15	3 13	3 35	4 52	9 4	2 7	17 15	3 24	13 5	1 12	7 2	0 57	14 41	2 32	21 28	0 28	12 35	1 47	20 12	11 1	22 13	22 23	7 4	12 5	7 18							
M16	2 50	2s10	5 3	9 37	2 15	17 39	3 31	12 52	1 12	6 57	0 57	14 40	2 32	21 28	0 28	12 34	1 47	20 11	11 1	22 14	22 24	7 1	12 6	7 17							
T 17	2 27	7 42	4 53	10 9	2 23	18 2	3 37	12 39	1 12	6 53	0 57	14 39	2 33	21 27	0 28	12 34	1 47	20 11	11 1	22 15	22 24	6 59	12 7	7 17							
W18	2 4	12 38	4 25	10 39	2 31	18 24	3 43	12 26	1 13	6 48	0 57	14 39	2 33	21 27	0 28	12 33	1 47	20 10	11 1	22 16	22 24	6 57	12 8	7 17							
T 19	1 41	16 44	3 40	11 9	2 39	18 47	3 50	12 13	1 13	6 43	0 57	14 38	2 33	21 27	0 28	12 33	1 47	20 10	11 1	22 17	22 25	6 54	12 9	7 16							
F 20	1 17	19 47	2 45	11 37	2 47	19 8	3 56	11 59	1 13	6 38	0 57	14 37	2 33	21 26	0 28	12 33	1 47	20 9	11 1	22 17	22 25	6 52	12 10	7 16							
S 21	0 54	21 41	1 43	12 4	2 54	19 30	4 2	11 46	1 13	6 33	0 57	14 36	2 33	21 26	0 28	12 32	1 47	20 9	11 1	22 17	22 26	6 50	12 10	7 15							
S 22	0 31	22 23	0 37	12 29	3 1	19 51	4 9	11 32	1 13	6 28	0 57	14 35	2 34	21 25	0 28	12 32	1 47	20 8	11 1	22 17	22 26	6 47	12 11	7 15							
M23	0 8	21 58	0s29	12 53	3 8	20 12	4 15	11 19	1 13	6 23	0 57	14 35	2 34	21 25	0 28	12 31	1 47	20 8	11 1	22 17	22 26	6 45	12 12	7 14							
T24	0s16	20 29	1 32	13 15	3 14	20 32	4 21	11 5	1 14	6 18	0 58	14 34	2 34	21 25	0 28	12 31	1 47	20 7	11 1	22 17	22 27	6 42	12 13	7 14							
W25	0 39	18 7	2 30	13 35	3 20	20 52	4 27	10 52	1 14	6 13	0 58	14 33	2 34	21 24	0 28	12 31	1 47	20 7	11 1	22 18	22 27	6 40	12 13	7 13							
T 26	1 2	14 59	3 21	13 54	3 25	21 11	4 33	10 38	1 14	6 8	0 58	14 32	2 34	21 24	0 28	12 30	1 47	20 6	11 1	22 18	22 27	6 38	12 14	7 13							
F 27	1 26	11 16	4 3	14 10	3 30	21 30	4 39	10 24	1 14	6 3	0 58	14 31	2 35	21 23	0 28	12 30	1 47	20 6	11 1	22 20	22 28	6 35	12 15	7 12							
S 28	1 49	7 8	4 34	14 23	3 35	21 48	4 45	10 10	1 14	5 59	0 58	14 30	2 35	21 23	0 28	12 29	1 47	20 5	11 1	22 21	22 28	6 33	12 16	7 12							
S 29	2 12	2 42	4 53	14 34	3 38	22 6	4 51	9 56	1 14	5 54	0 58	14 29	2 35	21 23	0 28	12 29	1 47	20 5	11 1	22 23	22 29	6 31	12 16	7 11							
M30	2s35	1n50	5s 0	14s43	3s41	22s24	4s57	9n43	1n14	5n49	0n58	14n28	2s35	21n23	0n28	12n28	1s47	20n 4	11n 6	22n24	22n29	6s28	12s17	7n11							

ASTRODIENST EPHEMERIS for the year 2205

geocentric

OCTOBER 2205

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 37 34	7♌30'30	28♍24	29♎39	20♏21	8♐38	17♑44	17°R 9	26♒3	8°R 0	4♓44	16°R10	15♓42	24♈55	3°R50	T 1
W 2	0 41 31	8°29'22	10♌30	29°R43	21° 2	9°16	17°57	17♌6	26° 5	7♌58	4°45	15♓58	15°39	25° 2	3♌49	W 2
T 3	0 45 27	9°28'15	22°42	29°40	21°41	9°53	18° 9	17° 2	26° 7	7°57	4°47	15°49	15°36	25° 9	3°48	T 3
F 4	0 49 24	10°27'11	5♐4	29°31	22°19	10°31	18°22	16°59	26° 8	7°55	4°49	15°42	15°33	25°16	3°47	F 4
S 5	0 53 21	11°26'09	17°38	29°13	22°56	11° 8	18°34	16°56	26°10	7°54	4°50	15°38	15°30	25°22	3°47	S 5
S 6	0 57 17	12°25'09	0♑28	28°49	23°32	11°46	18°47	16°52	26°11	7°52	4°52	15°37	15°26	25°29	3°46	S 6
M 7	1 1 14	13°24'12	13°37	28°16	24° 6	12°24	18°59	16°49	26°13	7°51	4°54	15°36	15°23	25°36	3°46	M 7
T 8	1 5 10	14°23'17	27° 9	27°36	24°39	13° 1	19°12	16°45	26°14	7°49	4°55	15°36	15°20	25°42	3°46	T 8
W 9	1 9 7	15°22'24	11♌5	26°48	25°11	13°39	19°24	16°41	26°15	7°48	4°57	15°35	15°17	25°49	3°46	W 9
T 10	1 13 3	16°21'33	25°28	25°54	25°41	14°16	19°36	16°37	26°17	7°46	4°58	15°31	15°14	25°56	3°45	T 10
F 11	1 17 0	17°20'45	10♐14	24°53	26°10	14°54	19°49	16°34	26°18	7°45	5° 0	15°25	15°11	26° 3	3°45	F 11
S 12	1 20 56	18°19'59	25°17	23°47	26°37	15°31	20° 1	16°30	26°19	7°43	5° 2	15°16	15° 7	26° 9	3°D45	S 12
S 13	1 24 53	19°19'15	10♌31	22°38	27° 3	16° 8	20°13	16°26	26°20	7°42	5° 3	15° 5	15° 4	26°16	3°45	S 13
M14	1 28 49	20°18'33	25°43	21°27	27°27	16°46	20°25	16°22	26°21	7°40	5° 5	14°54	15° 1	26°23	3°45	M14
T 15	1 32 46	21°17'53	10♌42	20°16	27°49	17°23	20°37	16°18	26°22	7°38	5° 6	14°43	14°58	26°29	3°46	T 15
W16	1 36 43	22°17'16	25°20	19° 6	28°10	18° 1	20°49	16°13	26°23	7°37	5° 8	14°34	14°55	26°36	3°46	W16
T 17	1 40 39	23°16'40	9♌31	18° 1	28°28	18°38	21° 1	16° 9	26°24	7°35	5° 9	14°28	14°51	26°43	3°46	T 17
F 18	1 44 36	24°16'06	23°12	17° 2	28°45	19°15	21°13	16° 5	26°25	7°34	5°10	14°24	14°48	26°50	3°47	F 18
S 19	1 48 32	25°15'33	6♌24	16°10	29° 0	19°53	21°25	16° 1	26°26	7°32	5°12	14°23	14°45	26°56	3°47	S 19
S 20	1 52 29	26°15'03	19°11	15°27	29°12	20°30	21°37	15°56	26°26	7°30	5°13	14°D23	14°42	27° 3	3°48	S 20
M21	1 56 25	27°14'34	1♌36	14°54	29°23	21° 7	21°48	15°52	26°27	7°29	5°15	14°R23	14°39	27°10	3°48	M21
T 22	2 0 22	28°14'06	13°46	14°32	29°31	21°44	22° 0	15°47	26°28	7°27	5°16	14°22	14°36	27°16	3°49	T 22
W23	2 4 19	29°13'41	25°44	14°D21	29°37	22°22	22°12	15°43	26°28	7°25	5°17	14°19	14°32	27°23	3°50	W23
T 24	2 8 15	0♌13'17	7♌37	14°21	29°41	22°59	22°23	15°38	26°29	7°24	5°19	14°13	14°29	27°30	3°51	T 24
F 25	2 12 12	1°12'55	19°37	14°32	29°R42	23°36	22°35	15°34	26°29	7°22	5°20	14° 5	14°26	27°37	3°52	F 25
S 26	2 16 8	2°12'35	1°V19	14°54	29°42	24°13	22°46	15°29	26°30	7°20	5°21	13°54	14°23	27°43	3°53	S 26
S 27	2 20 5	3°12'16	13°15	15°26	29°38	24°50	22°57	15°24	26°30	7°19	5°22	13°41	14°20	27°50	3°54	S 27
M28	2 24 1	4°12'00	25°17	16° 6	29°33	25°27	23° 9	15°20	26°30	7°17	5°23	13°28	14°17	27°57	3°55	M28
T 29	2 27 58	5°11'45	7♌26	16°55	29°24	26° 5	23°20	15°15	26°30	7°15	5°25	13°15	14°13	28° 3	3°56	T 29
W30	2 31 54	6°11'33	19°43	17°51	29°14	26°42	23°31	15°10	26°31	7°14	5°26	13° 4	14°10	28°10	3°57	W30
T 31	2 35 51	7♌11'22	2♐9	18♌54	29♏1	27♐19	23♑42	15♒5	26♓31	7♒12	5♓27	12♓55	14♓7	28♈17	3♌59	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	2s59	6n20	4s53	14s48	3s43	22s41	5s 3	9n29	1n15	5n44	0n58	14n27	2s35	21n23	0n28	12n28	1s47
W 2	3 22	10 37	4 33	14 51	3 44	22 57	5 9	9 15	1 15	5 39	0 58	14 26	2 35	21 22	0 28	12 27	1 47
T 3	3 45	14 33	4 1	14 50	3 43	23 13	5 14	9 1	1 15	5 34	0 58	14 25	2 36	21 22	0 28	12 27	1 47
F 4	4 8	17 54	3 16	14 45	3 42	23 28	5 20	8 46	1 15	5 30	0 58	14 24	2 36	21 22	0 28	12 26	1 47
S 5	4 31	20 29	2 22	14 36	3 39	23 43	5 25	8 32	1 15	5 25	0 59	14 23	2 36	21 22	0 28	12 26	1 48
S 6	4 54	22 6	1 19	14 23	3 35	23 57	5 30	8 18	1 15	5 20	0 59	14 22	2 36	21 21	0 28	12 25	1 48
M 7	5 17	22 33	0 10	14 6	3 29	24 11	5 35	8 4	1 15	5 15	0 59	14 21	2 36	21 21	0 28	12 25	1 48
T 8	5 40	21 42	1n 1	13 44	3 21	24 24	5 40	7 50	1 16	5 10	0 59	14 20	2 36	21 21	0 29	12 24	1 48
W 9	6 3	19 31	2 10	13 18	3 11	24 37	5 45	7 35	1 16	5 6	0 59	14 18	2 36	21 21	0 29	12 24	1 48
T 10	6 26	16 3	3 14	12 47	3 0	24 49	5 50	7 21	1 16	5 1	0 59	14 17	2 36	21 20	0 29	12 23	1 48
F 11	6 48	11 31	4 6	12 12	2 47	25 0	5 54	7 7	1 16	4 56	0 59	14 16	2 37	21 20	0 29	12 23	1 48
S 12	7 11	6 11	4 42	11 34	2 32	25 11	5 58	6 52	1 16	4 52	0 59	14 15	2 37	21 20	0 29	12 22	1 48
S 13	7 33	0 26	4 59	10 53	2 15	25 21	6 2	6 38	1 16	4 47	0 59	14 14	2 37	21 20	0 29	12 22	1 48
M14	7 56	5s21	4 55	10 9	1 57	25 30	6 6	6 24	1 16	4 42	1 0	14 12	2 37	21 20	0 29	12 21	1 48
T 15	8 18	10 44	4 30	9 25	1 37	25 39	6 10	6 9	1 16	4 38	1 0	14 11	2 37	21 20	0 29	12 21	1 48
W16	8 40	15 23	3 48	8 40	1 17	25 47	6 13	5 55	1 17	4 33	1 0	14 10	2 37	21 19	0 29	12 20	1 48
T 17	9 2	19 0	2 53	7 56	0 57	25 54	6 16	5 40	1 17	4 28	1 0	14 8	2 37	21 19	0 29	12 20	1 48
F 18	9 24	21 25	1 50	7 14	0 36	26 1	6 19	5 26	1 17	4 24	1 0	14 7	2 37	21 19	0 29	12 19	1 48
S 19	9 46	22 33	0 42	6 36	0 16	26 7	6 21	5 11	1 17	4 19	1 0	14 6	2 37	21 19	0 29	12 18	1 48
S 20	10 7	22 28	0s25	6 1	0n 4	26 11	6 24	4 56	1 17	4 15	1 0	14 5	2 37	21 19	0 29	12 18	1 48
M21	10 29	21 15	1 30	5 31	0 22	26 15	6 25	4 42	1 17	4 10	1 0	14 3	2 37	21 19	0 29	12 17	1 48
T 22	10 50	19 3	2 29	5 7	0 40	26 19	6 27	4 27	1 17	4 6	1 1	14 2	2 38	21 19	0 29	12 17	1 48
W23	11 11	16 4	3 20	4 48	0 56	26 21	6 28	4 13	1 17	4 1	1 1	14 1	2 38	21 19	0 29	12 16	1 48
T 24	11 32	12 27	4 3	4 35	1 10	26 22	6 28	3 58	1 17	3 57	1 1	13 59	2 38	21 19	0 29	12 16	1 48
F 25	11 53	8 22	4 34	4 28	1 22	26 23	6 28	3 43	1 17	3 53	1 1	13 58	2 38	21 19	0 29	12 15	1 48
S 26	12 14	3 58	4 54	4 26	1 33	26 22	6 28	3 29	1 18	3 48	1 1	13 56	2 38	21 18	0 29	12 15	1 48
S 27	12 34	0n36	5 1	4 29	1 43	26 20	6 27	3 14	1 18	3 44	1 1	13 55	2 38	21 18	0 29	12 14	1 48
M28	12 54	5 12	4 55	4 38	1 50	26 17	6 25	3 0	1 18	3 39	1 1	13 54	2 38	21 18	0 29	12 14	1 48
T 29	13 14	9 38	4 35	4 51	1 57	26 13	6 23	2 45	1 18	3 35	1 2	13 52	2 38	21 18	0 29	12 13	1 48
W30	13 34	13 45	4 3	5 8	2 2	26 8	6 20	2 30	1 18	3 31	1 2	13 51	2 38	21 18	0 29	12 12	1 48
T 31	13s54	17n20	3s18	5s28	2n 5	26s 2	6s17	2n16	1n18	3n27	1n 2	13n50	2s38	21n18	0n29	12n12	1s48

Julian Day Number = 2526692.5, Delta T = 168.72 sec
 Ecliptic obliquity = 23°24'43, Nutation = - 0°00'17, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°36'56, Lahiri = 26°43'57

ASTRODIENST EPHEMERIS for the year 2205

geocentric

NOVEMBER 2205

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 39 47	8♐11'14	14♐44	20♏3	28°R45	27♐56	23♐53	15°R 1	26♏31	7°R10	5♐28	12°R49	14♏4	28♏24	4♏0	F 1
S 2	2 43 44	9°11'07	27°30	21°16	28♐28	28°33	24° 4	14♏56	26°R31	7♏9	5°29	12♏45	14° 1	28°30	4° 1	S 2
S 3	2 47 41	10°11'03	10♏28	22°34	28° 8	29°10	24°15	14°51	26°31	7° 7	5°30	12°D44	13°57	28°37	4° 3	S 3
M 4	2 51 37	11°11'01	23°41	23°56	27°45	29°47	24°26	14°46	26°31	7° 5	5°31	12°44	13°54	28°44	4° 5	M 4
T 5	2 55 34	12°11'01	7♏11	25°20	27°21	0♏24	24°36	14°41	26°31	7° 4	5°32	12°R45	13°51	28°51	4° 6	T 5
W 6	2 59 30	13°11'03	21° 0	26°48	26°55	1° 1	24°47	14°37	26°31	7° 2	5°33	12°45	13°48	28°57	4° 8	W 6
T 7	3 3 27	14°11'08	5♐9	28°17	26°26	1°37	24°57	14°32	26°30	7° 0	5°34	12°43	13°45	29° 4	4°10	T 7
F 8	3 7 23	15°11'14	19°36	29°48	25°57	2°14	25° 8	14°27	26°30	6°59	5°35	12°39	13°42	29°11	4°12	F 8
S 9	3 11 20	16°11'23	4♏19	1♐21	25°25	2°51	25°18	14°22	26°30	6°57	5°36	12°32	13°38	29°17	4°14	S 9
S 10	3 15 16	17°11'33	19°11	2°54	24°52	3°28	25°28	14°17	26°29	6°55	5°37	12°24	13°35	29°24	4°16	S 10
M 11	3 19 13	18°11'46	4♐4	4°29	24°18	4° 5	25°38	14°12	26°29	6°54	5°38	12°15	13°32	29°31	4°18	M 11
T 12	3 23 10	19°12'00	18°50	6° 4	23°43	4°42	25°49	14° 7	26°28	6°52	5°38	12° 7	13°29	29°38	4°20	T 12
W 13	3 27 6	20°12'16	3♏20	7°40	23° 8	5°18	25°58	14° 3	26°28	6°50	5°39	12° 0	13°26	29°44	4°23	W 13
T 14	3 31 3	21°12'34	17°28	9°16	22°31	5°55	26° 8	13°58	26°27	6°49	5°40	11°55	13°23	29°51	4°25	T 14
F 15	3 34 59	22°12'54	1♏10	10°52	21°55	6°32	26°18	13°53	26°26	6°47	5°41	11°52	13°19	29°58	4°27	F 15
S 16	3 38 56	23°13'15	14°26	12°29	21°19	7° 8	26°28	13°48	26°26	6°45	5°41	11°D52	13°16	0°Y 4	4°30	S 16
S 17	3 42 52	24°13'37	27°17	14° 6	20°42	7°45	26°37	13°44	26°25	6°44	5°42	11°53	13°13	0°11	4°32	S 17
M 18	3 46 49	25°14'01	9♏47	15°42	20° 7	8°22	26°47	13°39	26°24	6°42	5°43	11°54	13°10	0°18	4°35	M 18
T 19	3 50 45	26°14'26	22° 0	17°19	19°32	8°58	26°56	13°34	26°23	6°41	5°43	11°R55	13° 7	0°25	4°37	T 19
W 20	3 54 42	27°14'52	4♏0	18°55	18°58	9°35	27° 5	13°30	26°22	6°39	5°44	11°55	13° 3	0°31	4°40	W 20
T 21	3 58 39	28°15'20	15°54	20°31	18°25	10°11	27°14	13°25	26°21	6°38	5°44	11°53	13° 0	0°38	4°43	T 21
F 22	4 2 35	29°15'49	27°45	22° 8	17°54	10°48	27°23	13°20	26°20	6°36	5°45	11°49	12°57	0°45	4°46	F 22
S 23	4 6 32	0♏16'19	9°Y39	23°44	17°24	11°24	27°32	13°16	26°19	6°35	5°45	11°43	12°54	0°51	4°49	S 23
S 24	4 10 28	1°16'51	21°38	25°20	16°56	12° 1	27°41	13°11	26°18	6°33	5°46	11°36	12°51	0°58	4°51	S 24
M 25	4 14 25	2°17'24	3♏46	26°55	16°30	12°37	27°50	13° 7	26°17	6°32	5°46	11°29	12°48	1° 5	4°54	M 25
T 26	4 18 21	3°17'58	16° 5	28°31	16° 6	13°14	27°58	13° 2	26°16	6°30	5°46	11°22	12°44	1°12	4°57	T 26
W 27	4 22 18	4°18'34	28°35	0♏6	15°44	13°50	28° 7	12°58	26°14	6°29	5°47	11°15	12°41	1°18	5° 1	W 27
T 28	4 26 14	5°19'11	11♐18	1°41	15°24	14°26	28°15	12°54	26°13	6°27	5°47	11°10	12°38	1°25	5° 4	T 28
F 29	4 30 11	6°19'49	24°13	3°16	15° 7	15° 3	28°23	12°50	26°12	6°26	5°47	11° 7	12°35	1°32	5° 7	F 29
S 30	4 34 8	7♏20'29	7♏20	4♏51	14♐52	15♏39	28♐31	12♏45	26♏10	6♏24	5♐48	11°D 6	12♏32	1°Y39	5♏10	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	14s13	20n10		2s23	5s52	2n 7	25s55	6s13	2n 1	1n18	3n22	1n 2	13n48	2s38	21n18	0n29	12n11	1s48	19n56	11n15	22n48	22n40	5s11	12s31	6n54		
S 2	14 32	22 3	1 20	6 18	2 8	25 46	6 8	1 46	1 18	3 18	1 2	13 47	2 38	21 18	0 29	12 11	1 48	19 56	11 16	22 48	22 41	5 9	12 31	6 53			
S 3	14 51	22 48	0 12	6 47	2 9	25 36	6 2	1 32	1 18	3 14	1 2	13 45	2 38	21 18	0 29	12 10	1 48	19 56	11 16	22 48	22 41	5 6	12 31	6 53			
M 4	15 10	22 18	0n58	7 18	2 8	25 25	5 56	1 17	1 18	3 10	1 2	13 44	2 38	21 19	0 29	12 10	1 48	19 56	11 17	22 48	22 41	5 4	12 32	6 52			
T 5	15 28	20 30	2 7	7 50	2 6	25 13	5 49	1 3	1 18	3 6	1 3	13 43	2 38	21 19	0 29	12 9	1 48	19 56	11 17	22 48	22 42	5 1	12 32	6 52			
W 6	15 47	17 28	3 10	8 24	2 4	24 59	5 42	0 48	1 18	3 2	1 3	13 41	2 38	21 19	0 30	12 9	1 48	19 56	11 17	22 48	22 42	4 59	12 32	6 51			
T 7	16 5	13 22	4 2	8 58	2 1	24 44	5 34	0 33	1 18	2 58	1 3	13 40	2 38	21 19	0 30	12 8	1 48	19 56	11 18	22 48	22 42	4 56	12 32	6 51			
F 8	16 22	8 25	4 41	9 34	1 57	24 28	5 25	0 19	1 19	2 54	1 3	13 39	2 38	21 19	0 30	12 8	1 48	19 56	11 18	22 49	22 43	4 54	12 32	6 50			
S 9	16 40	2 55	5 2	10 10	1 53	24 11	5 15	0 4	1 19	2 50	1 3	13 37	2 38	21 19	0 30	12 7	1 48	19 56	11 18	22 49	22 43	4 51	12 32	6 50			
S 10	16 57	2s49	5 3	10 46	1 48	23 53	5 4	0s10	1 19	2 46	1 4	13 36	2 38	21 19	0 30	12 7	1 48	19 56	11 19	22 50	22 43	4 49	12 32	6 49			
M11	17 14	8 24	4 44	11 22	1 44	23 34	4 53	0 25	1 19	2 42	1 4	13 34	2 38	21 19	0 30	12 6	1 48	19 56	11 19	22 51	22 43	4 46	12 32	6 49			
T 12	17 30	13 28	4 5	11 59	1 38	23 13	4 41	0 40	1 19	2 38	1 4	13 33	2 37	21 19	0 30	12 6	1 48	19 56	11 20	22 52	22 44	4 44	12 32	6 48			
W13	17 47	17 40	3 12	12 35	1 33	22 52	4 29	0 54	1 19	2 35	1 4	13 32	2 37	21 19	0 30	12 5	1 48	19 56	11 20	22 52	22 44	4 41	12 32	6 48			
T 14	18 2	20 43	2 7	13 12	1 27	22 30	4 16	1 8	1 19	2 31	1 4	13 30	2 37	21 20	0 30	12 4	1 48	19 56	11 20	22 53	22 44	4 39	12 32	6 47			
F 15	18 18	22 27	0 57	13 48	1 21	22 8	4 3	1 23	1 19	2 27	1 4	13 29	2 37	21 20	0 30	12 4	1 48	19 56	11 21	22 53	22 45	4 37	12 32	6 47			
S 16	18 33	22 52	0s14	14 23	1 14	21 45	3 49	1 37	1 19	2 24	1 5	13 28	2 37	21 20	0 30	12 3	1 48	19 56	11 21	22 53	22 45	4 34	12 32	6 47			
S 17	18 48	22 1	1 22	14 58	1 8	21 21	3 34	1 52	1 19	2 20	1 5	13 26	2 37	21 20	0 30	12 3	1 48	19 57	11 22	22 53	22 45	4 32	12 32	6 46			
M18	19 3	20 6	2 25	15 33	1 1	20 57	3 20	2 6	1 19	2 16	1 5	13 25	2 37	21 20	0 30	12 2	1 48	19 57	11 22	22 53	22 46	4 29	12 31	6 46			
T 19	19 17	17 18	3 20	16 6	0 55	20 33	3 5	2 21	1 19	2 13	1 5	13 24	2 37	21 20	0 30	12 2	1 48	19 57	11 22	22 53	22 46	4 27	12 31	6 45			
W20	19 31	13 49	4 4	16 40	0 48	20 9	2 49	2 35	1 19	2 9	1 5	13 23	2 37	21 21	0 30	12 1	1 48	19 57	11 23	22 53	22 46	4 24	12 31	6 45			
T 21	19 45	9 50	4 38	17 12	0 41	19 45	2 34	2 49	1 19	2 6	1 6	13 21	2 37	21 21	0 30	12 1	1 48	19 57	11 23	22 53	22 47	4 22	12 31	6 44			
F 22	19 58	5 29	5 0	17 44	0 34	19 22	2 19	3 3	1 19	2 3	1 6	13 20	2 37	21 21	0 30	12 1	1 48	19 57	11 24	22 53	22 47	4 19	12 31	6 44			
S 23	20 11	0 55	5 9	18 15	0 27	18 58	2 3	3 18	1 19	1 59	1 6	13 19	2 36	21 21	0 30	12 0	1 48	19 58	11 24	22 54	22 47	4 17	12 31	6 43			
S 24	20 24	3n43	5 4	18 45	0 20	18 35	1 48	3 32	1 19	1 56	1 6	13 18	2 36	21 22	0 30	12 0	1 48	19 58	11 24	22 54	22 48	4 14	12 30	6 43			
M25	20 36	8 16	4 46	19 14	0 13	18 13	1 32	3 46	1 19	1 53	1 6	13 16	2 36	21 22	0 30	11 59	1 48	19 58	11 25	22 55	22 48	4 12	12 30	6 42			
T 26	20 47	12 34	4 15	19 42	0 7	17 52	1 17	4 0	1 19	1 49	1 7	13 15	2 36	21 22	0 30	11 59	1 48	19 58	11 25	22 56	22 48	4 9	12 30	6 42			
W27	20 59	16 24	3 31	20 9	0s0	17 31	1 2	4 14	1 19	1 46	1 7	13 14	2 36	21 22	0 30	11 58	1 48	19 58	11 26	22 56	22 48	4 7	12 29	6 42			
T 28	21 10	19 33	2 35	20 35	0 7	17 11	0 47	4 28	1 19	1 43	1 7	13 13	2 36	21 23	0 30	11 58	1 47	19 59	11 26	22 57	22 49	4 4	12 29	6 41			
F 29	21 20	21 46	1 31	21 1	0 14	16 52	0 32	4 42	1 19	1 40	1 7	13 12	2 36	21 23	0 30	11 57	1 47	19 59	11 27	22 57	22 49	4 2	12 29	6 41			
S 30	21s31	22n52	0s21	21s25	0s20	16s34	0s18	4s56	1n19	1n37	1n 7	13n11	2s35	21n23	0n30	11n57	1s47	19n59	11n27	22n57	22n49	3s59	12s28	6n40			

ASTRODIENST EPHEMERIS for the year 2205
geocentric

DECEMBER 2205

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 38 4	8°21'11	20°38	6°26	14°R40	16°15	28°39	12°R41	26°R 9	6°R23	5°48	11°6	12°28	1°45	5°14	S 1
M 2	4 42 1	9°21'54	4°8	8° 0	14°M30	16°51	28°47	12°37	26°7	6°22	5°48	11° 7	12°25	1°52	5°17	M 2
T 3	4 45 57	10°22'39	17°50	9°35	14°23	17°28	28°55	12°33	26° 6	6°20	5°48	11° 9	12°22	1°59	5°20	T 3
W 4	4 49 54	11°23'24	1°43	11° 9	14°18	18° 4	29° 2	12°29	26° 4	6°19	5°48	11°10	12°19	2° 5	5°24	W 4
T 5	4 53 50	12°24'12	15°46	12°43	14°D16	18°40	29° 9	12°25	26° 3	6°18	5°49	11°R10	12°16	2°12	5°27	T 5
F 6	4 57 47	13°25'01	29°59	14°18	14°16	19°16	29°17	12°22	26° 1	6°16	5°49	11° 9	12°13	2°19	5°31	F 6
S 7	5 1 43	14°25'51	14°21	15°52	14°18	19°52	29°24	12°18	25°59	6°15	5°49	11° 7	12° 9	2°26	5°35	S 7
S 8	5 5 40	15°26'43	28°46	17°26	14°23	20°28	29°31	12°14	25°57	6°14	5°R49	11° 4	12° 6	2°32	5°38	S 8
M 9	5 9 37	16°27'36	13°10	19° 0	14°30	21° 4	29°38	12°11	25°56	6°13	5°49	11° 0	12° 3	2°39	5°42	M 9
T 10	5 13 33	17°28'31	27°29	20°34	14°40	21°40	29°44	12° 7	25°54	6°12	5°49	10°57	12° 0	2°46	5°46	T 10
W11	5 17 30	18°29'26	11°36	22° 8	14°52	22°16	29°51	12° 4	25°52	6°10	5°49	10°54	11°57	2°52	5°50	W11
T 12	5 21 26	19°30'23	25°28	23°42	15° 6	22°52	29°57	12° 0	25°50	6° 9	5°48	10°52	11°54	2°59	5°54	T 12
F 13	5 25 23	20°31'21	9°30	25°17	15°22	23°28	0°4	11°57	25°48	6° 8	5°48	10°D51	11°50	3° 6	5°58	F 13
S 14	5 29 19	21°32'19	22°11	26°51	15°40	24° 3	0°10	11°54	25°46	6° 7	5°48	10°52	11°47	3°13	6° 2	S 14
S 15	5 33 16	22°33'18	5°2	28°25	16° 0	24°39	0°16	11°51	25°44	6° 6	5°48	10°53	11°44	3°19	6° 6	S 15
M16	5 37 13	23°34'18	17°33	29°59	16°22	25°15	0°21	11°48	25°42	6° 5	5°48	10°54	11°41	3°26	6°10	M16
T 17	5 41 9	24°35'19	29°48	1°34	16°46	25°50	0°27	11°45	25°40	6° 4	5°47	10°56	11°38	3°33	6°14	T 17
W18	5 45 6	25°36'19	11°51	3° 8	17°12	26°26	0°32	11°42	25°38	6° 3	5°47	10°57	11°34	3°40	6°18	W18
T 19	5 49 2	26°37'21	23°47	4°43	17°39	27° 2	0°38	11°39	25°36	6° 2	5°47	10°R57	11°31	3°46	6°22	T 19
F 20	5 52 59	27°38'23	5°39	6°17	18° 8	27°37	0°43	11°37	25°33	6° 1	5°47	10°57	11°28	3°53	6°26	F 20
S 21	5 56 55	28°39'25	17°33	7°52	18°38	28°13	0°48	11°34	25°31	6° 0	5°46	10°56	11°25	4° 0	6°30	S 21
S 22	6 0 52	29°40'27	29°33	9°27	19°11	28°48	0°53	11°32	25°29	5°59	5°46	10°55	11°22	4° 6	6°35	S 22
M23	6 4 48	0°31'30	11°44	11° 1	19°44	29°23	0°57	11°30	25°27	5°59	5°45	10°54	11°19	4°13	6°39	M23
T 24	6 8 45	1°42'34	24° 9	12°36	20°19	29°59	1° 2	11°27	25°24	5°58	5°45	10°52	11°15	4°20	6°43	T 24
W25	6 12 42	2°43'38	6°49	14°11	20°56	0°M34	1° 6	11°25	25°22	5°57	5°44	10°51	11°12	4°27	6°48	W25
T 26	6 16 38	3°44'42	19°47	15°45	21°33	1° 9	1°10	11°23	25°20	5°56	5°44	10°50	11° 9	4°33	6°52	T 26
F 27	6 20 35	4°45'47	3°3	17°20	22°13	1°44	1°14	11°21	25°17	5°56	5°43	10°50	11° 6	4°40	6°57	F 27
S 28	6 24 31	5°46'52	16°34	18°54	22°53	2°20	1°18	11°19	25°15	5°55	5°43	10°D50	11° 3	4°47	7° 1	S 28
S 29	6 28 28	6°47'58	0°20	20°28	23°34	2°55	1°22	11°18	25°12	5°54	5°42	10°50	11° 0	4°53	7° 6	S 29
M30	6 32 24	7°49'04	14°18	22° 2	24°17	3°30	1°25	11°16	25°10	5°54	5°41	10°50	10°56	5° 0	7°10	M30
T 31	6 36 21	8°50'10	28°24	23°35	25°M 1	4°M 5	1°28	11°15	25°8	5°53	5°41	10°51	10°53	5° 7	7°15	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	21s40	22n41	0n52	21s48	0s27	16s17	0s 4	5s10	1n19	1n34	1n 8	13n10	2s35	21n24	0n30	11n57	1s47	20n 0	11n27	22n57	22n50	3s57	12s28	6n40			
M 2	21 50	21 11	2 3	22 10	0 33	16 1	0n 9	5 24	1 19	1 31	1 8	13 9	2 35	21 24	0 30	11 56	1 47	20 0	11 28	22 57	22 50	3 54	12 28	6 39			
T 3	21 59	18 27	3 7	22 31	0 40	15 46	0 23	5 38	1 19	1 28	1 8	13 8	2 35	21 24	0 30	11 56	1 47	20 0	11 28	22 57	22 50	3 52	12 27	6 39			
W 4	22 7	14 37	4 2	22 51	0 46	15 33	0 35	5 52	1 19	1 26	1 8	13 7	2 35	21 25	0 30	11 55	1 47	20 0	11 29	22 57	22 51	3 49	12 27	6 39			
T 5	22 15	9 57	4 43	23 10	0 52	15 20	0 48	6 5	1 19	1 23	1 9	13 6	2 34	21 25	0 30	11 55	1 47	20 1	11 29	22 57	22 51	3 46	12 26	6 38			
F 6	22 23	4 42	5 8	23 27	0 58	15 9	1 0	6 19	1 19	1 20	1 9	13 5	2 34	21 25	0 30	11 55	1 47	20 1	11 29	22 57	22 51	3 44	12 26	6 38			
S 7	22 30	0s50	5 13	23 43	1 4	14 59	1 11	6 32	1 19	1 18	1 9	13 4	2 34	21 26	0 30	11 54	1 47	20 2	11 30	22 57	22 51	3 41	12 25	6 37			
S 8	22 37	6 22	4 59	23 58	1 10	14 50	1 22	6 46	1 19	1 15	1 9	13 3	2 34	21 26	0 31	11 54	1 47	20 2	11 30	22 57	22 52	3 39	12 25	6 37			
M 9	22 43	11 33	4 26	24 12	1 15	14 42	1 33	7 0	1 19	1 13	1 9	13 2	2 34	21 26	0 31	11 53	1 47	20 2	11 31	22 57	22 52	3 36	12 24	6 37			
T 10	22 49	16 4	3 36	24 25	1 21	14 35	1 43	7 13	1 19	1 10	1 10	13 1	2 33	21 27	0 31	11 53	1 47	20 3	11 31	22 58	22 52	3 34	12 24	6 36			
W11	22 55	19 36	2 34	24 36	1 26	14 29	1 53	7 26	1 19	1 8	1 10	13 0	2 33	21 27	0 31	11 53	1 47	20 3	11 31	22 58	22 53	3 31	12 23	6 36			
T 12	23 0	21 56	1 24	24 46	1 31	14 24	2 2	7 40	1 19	1 5	1 10	13 0	2 33	21 27	0 31	11 52	1 47	20 4	11 32	22 58	22 53	3 29	12 23	6 36			
F 13	23 4	22 56	0 10	24 55	1 35	14 20	2 11	7 53	1 19	1 3	1 10	12 59	2 33	21 28	0 31	11 52	1 47	20 4	11 32	22 58	22 53	3 26	12 22	6 35			
S 14	23 9	22 37	1s 2	25 2	1 40	14 17	2 19	8 6	1 19	1 1	1 11	12 58	2 33	21 28	0 31	11 52	1 47	20 4	11 33	22 58	22 53	3 24	12 21	6 35			
S 15	23 12	21 5	2 9	25 8	1 44	14 15	2 27	8 19	1 19	0 59	1 11	12 57	2 32	21 29	0 31	11 51	1 47	20 5	11 33	22 58	22 54	3 21	12 21	6 35			
M16	23 15	18 33	3 9	25 13	1 48	14 14	2 35	8 32	1 18	0 57	1 11	12 57	2 32	21 29	0 31	11 51	1 47	20 5	11 33	22 58	22 54	3 19	12 20	6 34			
T 17	23 18	15 15	3 58	25 16	1 52	14 14	2 42	8 45	1 18	0 55	1 11	12 56	2 32	21 29	0 31	11 51	1 47	20 6	11 34	22 58	22 54	3 16	12 20	6 34			
W18	23 20	11 22	4 37	25 18	1 56	14 15	2 49	8 58	1 18	0 53	1 12	12 55	2 32	21 30	0 31	11 51	1 47	20 6	11 34	22 58	22 54	3 14	12 19	6 34			
T 19	23 22	7 6	5 2	25 19	1 59	14 16	2 55	9 11	1 18	0 51	1 12	12 55	2 31	21 30	0 31	11 50	1 47	20 7	11 35	22 58	22 55	3 11	12 18	6 33			
F 20	23 23	2 35	5 15	25 18	2 2	14 18	3 1	9 24	1 18	0 49	1 12	12 54	2 31	21 31	0 31	11 50	1 47	20 7	11 35	22 58	22 55	3 8	12 17	6 33			
S 21	23 24	2n 2	5 14	25 15	2 5	14 21	3 7	9 37	1 18	0 47	1 12	12 54	2 31	21 31	0 31	11 50	1 47	20 8	11 35	22 58	22 55	3 6	12 17	6 33			
S 22	23 25	6 37	5 0	25 11	2 7	14 25	3 12	9 49	1 18	0 46	1 13	12 53	2 31	21 32	0 31	11 50	1 47	20 8	11 36	22 58	22 56	3 3	12 16	6 32			
M23	23 25	11 1	4 32	25 6	2 9	14 29	3 17	10 2	1 18	0 44	1 13	12 53	2 30	21 32	0 31	11 49	1 46	20 9	11 36	22 58	22 56	3 1	12 15	6 32			
T 24	23 24	15 3	3 51	24 59	2 10	14 34	3 22	10 14	1 18	0 43	1 13	12 52	2 30	21 32	0 31	11 49	1 46	20 9	11 37	22 58	22 56	2 58	12 14	6 32			
W25	23 23	18 30	2 57	24 50	2 12	14 39	3 26	10 27	1 18	0 41	1 13	12 52	2 30	21 33	0 31	11 49	1 46	20 10	11 37	22 58	22 56	2 56	12 14	6 32			
T 26	23 22	21 7	1 54	24 40	2 12	14 45	3 30	10 39	1 18	0 40	1 14	12 52	2 29	21 33	0 31	11 49	1 46	20 10	11 37	22 58	22 57	2 53	12 13	6 31			
F 27	23 20	22 40	0 43	24 29	2 13	14 51	3 34	10 51	1 18	0 38	1 14	12 51	2 29	21 34	0 31	11 49	1 46	20 11	11 38	22 58	22 57	2 51	12 12	6 31			
S 28	23 17	22 55	0n32	24 16	2 13	14 58	3 37	11 3	1 17	0 37	1 14	12 51	2 29	21 34	0 31	11 48	1 46	20 12	11 38	22 58	22 57	2 48	12 11	6 31			
S 29	23 14	21 47	1 46	24 2	2 12	15 5	3 40	11 15	1 17	0 36	1 15	12 51	2 29	21 35	0 31	11 48	1 46	20 12	11 39	22 58	22 57	2 45	12 10	6 31			
M30	23 11	19 19	2 55	23 46	2 11	15 13	3 43	11 27	1 17	0 35	1 15	12 50	2 28	21 35	0 31	11 48	1 46	20 13	11 39	22 58	22 58	2 43	12 9	6 30			
T 31	23s 7	15n41	3n54	23s29	2s 9	15s21	3n45	11s39	1n17	0n34	1n15	12n50	2s28	21n36	0n31	11n48	1s46	20n13	11n39	22n58	22n58	2s40	12s 8	6n30			