



Astrodienst Ephemeris Tables for the year 1900

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 1900

geocentric

JANUARY 1900

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	6 40 45	10°3'12	2°32'5	19°7'0	6°22'2	13°52'5	1°7'8	27°43'3	10°7'8	25°R13	15°R15	20°R16	19°7'10	4°20'20	18°54'54	M 1	
T 2	6 44 42	11°10'24	16°53'	20°17'	7°37'	14°38'	1°20'	27°50'	10°12'	25°II11	15°II14	20°R15	19°7'	4°27'	19°0'	T 2	
W 3	6 48 38	12°11'35	1°33'5	21°36'	8°52'	15°25'	1°31'	27°57'	10°15'	25°10'	15°13'	20°12'	19°3'	4°33'	19°7'	W 3	
T 4	6 52 35	13°12'46	16°22'	22°56'	10°6'	16°11'	1°43'	28°4'	10°18'	25°8'	15°12'	20°9'	19°0'	4°40'	19°14'	T 4	
F 5	6 56 31	14°13'57	1°18'8	24°17'	11°21'	16°57'	1°55'	28°11'	10°21'	25°7'	15°11'	20°6'	18°57'	4°47'	19°20'	F 5	
S 6	7 0 28	15°15'08	15°45'	25°40'	12°35'	17°44'	2°6'	28°18'	10°25'	25°5'	15°10'	20°3'	18°54'	4°54'	19°27'	S 6	
S 7	7 4 25	16°16'18	0°19'9	27°3'	13°50'	18°30'	2°17'	28°25'	10°28'	25°4'	15°9'	20°0'	18°51'	5°0'	19°34'	S 7	
M 8	7 8 21	17°17'27	14°15'	28°27'	15°4'	19°17'	2°29'	28°31'	10°31'	25°2'	15°8'	19°D59	18°47'	5°7'	19°40'	M 8	
T 9	7 12 18	18°18'36	28°3'	29°52'	16°19'	20°3'	2°40'	28°38'	10°34'	25°0'	15°7'	20°0'	18°44'	5°14'	19°46'	T 9	
W10	7 16 14	19°19'45	11°18'33	1°18'33	17°33'	20°50'	2°51'	28°45'	10°37'	24°59'	15°6'	20°1'	18°41'	5°20'	19°53'	W10	
T 11	7 20 11	20°20'52	24°46'	2°45'	18°47'	21°36'	3°2'	28°52'	10°40'	24°57'	15°5'	20°3'	18°38'	5°27'	19°59'	T 11	
F 12	7 24 7	21°22'00	7°II45	4°12'	20°2'	22°23'	3°13'	28°59'	10°43'	24°56'	15°4'	20°4'	18°35'	5°34'	20°6'	F 12	
S 13	7 28 4	22°23'07	20°30'	5°40'	21°16'	23°9'	3°24'	29°5'	10°46'	24°54'	15°3'	20°R5	18°32'	5°41'	20°12'	S 13	
S 14	7 32 0	23°24'13	3°36'4	7°8'	22°30'	23°56'	3°34'	29°12'	10°49'	24°53'	15°3'	20°4'	18°28'	5°47'	20°18'	S 14	
M15	7 35 57	24°25'19	15°28'	8°37'	23°44'	24°43'	3°45'	29°19'	10°52'	24°52'	15°2'	20°1'	18°25'	5°54'	20°24'	M15	
T 16	7 39 54	25°26'24	27°43'	10°7'	24°59'	25°29'	3°56'	29°25'	10°55'	24°50'	15°1'	19°57'	18°22'	6°1'	20°31'	T 16	
W17	7 43 50	26°27'28	9°II49	11°37'	26°13'	26°16'	4°6'	29°32'	10°58'	24°49'	15°0'	19°51'	18°19'	6°7'	20°37'	W17	
T 18	7 47 47	27°28'32	21°49'	13°8'	27°27'	27°3'	4°16'	29°38'	11°1'	24°47'	14°59'	19°44'	18°16'	6°14'	20°43'	T 18	
F 19	7 51 43	28°29'36	3°II44	14°40'	28°41'	27°50'	4°27'	29°45'	11°4'	24°46'	14°58'	19°36'	18°13'	6°21'	20°49'	F 19	
S 20	7 55 40	29°30'39	15°36'	16°12'	29°55'	28°36'	4°37'	29°51'	11°6'	24°45'	14°58'	19°29'	18°9'	6°28'	20°55'	S 20	
S 21	7 59 36	0°33'14	27°28'	17°45'	1°18'9	29°23'	4°47'	29°58'	11°9'	24°43'	14°57'	19°23'	18°6'	6°34'	21°1'	S 21	
M22	8 3 33	1°32'43	9°II23	19°18'	2°23'	0°10'10	4°57'	0°3'4	11°12'	24°42'	14°56'	19°18'	18°3'	6°41'	21°7'	M22	
T 23	8 7 29	2°33'45	21°24'	20°52'	3°37'	0°57'	5°7'	0°11'	11°14'	24°41'	14°55'	19°15'	18°0'	6°48'	21°13'	T 23	
W24	8 11 26	3°34'46	3°II38	22°26'	4°51'	1°44'	5°17'	0°17'	11°17'	24°39'	14°55'	19°D14	17°57'	6°55'	21°18'	W24	
T 25	8 15 23	4°35'46	16°8'	24°1'	6°4'	2°31'	5°26'	0°23'	11°20'	24°38'	14°54'	19°15'	17°53'	7°1'	21°24'	T 25	
F 26	8 19 19	5°36'46	29°0'	25°37'	7°18'	3°18'	5°36'	0°29'	11°22'	24°37'	14°53'	19°16'	17°50'	7°8'	21°30'	F 26	
S 27	8 23 16	6°37'46	12°17'	27°13'	8°32'	4°5'	5°46'	0°36'	11°25'	24°36'	14°53'	19°R17	17°47'	7°15'	21°35'	S 27	
S 28	8 27 12	7°38'45	26°1'	28°50'	9°46'	4°52'	5°55'	0°42'	11°27'	24°35'	14°52'	19°17'	17°44'	7°21'	21°41'	S 28	
M29	8 31 9	8°39'43	10°31'5	0°28'5	10°59'	5°39'	6°4'	0°48'	11°29'	24°34'	14°51'	19°16'	17°41'	7°28'	21°46'	M29	
T 30	8 35 5	9°40'40	24°15'	2°6'	12°13'	6°26'	6°13'	0°54'	11°32'	24°32'	14°51'	19°11'	17°38'	7°35'	21°52'	T 30	
W31	8 39 2	10°41'36	9°53'	3°45'	13°18'27	7°13'	6°22'	1°3'0	11°34'	24°31'	14°50'	19°17'5	17°34'	7°42'	21°57'	W31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	23s 4	22s19	1n 6	21s52	1n 8	20s19	1s41	23s39	0s56	19s36	0n49	22s25	1n 0	21s55	0n 4	22n 4	1s18
T 2	22 59	20 3	2 21	22 7	0 59	20 0	1 41	23 34	0 56	19 38	0 49	22 26	1 0	21 56	0 4	22 4	1 18
W 3	22 54	16 26	3 28	22 20	0 51	19 41	1 42	23 29	0 56	19 41	0 49	22 26	1 0	21 56	0 4	22 4	1 18
T 4	22 48	11 47	4 21	22 33	0 42	19 21	1 42	23 24	0 57	19 43	0 49	22 26	1 0	21 57	0 4	22 4	1 18
F 5	22 41	6 27	4 57	22 46	0 34	19 1	1 42	23 19	0 57	19 45	0 49	22 26	1 0	21 57	0 4	22 4	1 18
S 6	22 35	0 48	5 13	22 57	0 26	18 40	1 42	23 13	0 57	19 48	0 49	22 26	1 0	21 58	0 4	22 4	1 18
S 7	22 28	4n47	5 9	23 7	0 18	18 19	1 42	23 7	0 57	19 50	0 49	22 26	1 0	21 58	0 4	22 4	1 18
M 8	22 20	10 1	4 46	23 17	0 10	17 57	1 42	23 1	0 58	19 52	0 49	22 26	1 0	21 58	0 4	22 4	1 18
T 9	22 12	14 38	4 7	23 25	0 2	17 35	1 42	22 55	0 58	19 54	0 49	22 27	1 0	21 59	0 4	22 4	1 18
W10	22 5	3 18	24 3	23 32	0s 5	17 12	1 42	22 48	0 58	19 56	0 49	22 27	1 0	21 59	0 4	22 4	1 18
T 11	21 55	21 8	2 14	23 38	0 13	16 48	1 41	22 41	0 59	19 58	0 49	22 27	1 0	22 0	0 4	22 4	1 18
F 12	21 45	22 43	1 7	23 43	0 20	16 25	1 41	22 34	0 59	20 0	0 49	22 27	1 0	22 0	0 4	22 4	1 18
S 13	21 35	23 4	0s 2	23 47	0 27	16 0	1 41	22 26	0 59	20 2	0 49	22 27	1 0	22 1	0 4	22 4	1 18
S 14	21 25	22 15	1 10	23 50	0 34	15 36	1 40	22 18	1 0	20 4	0 49	22 27	1 0	22 1	0 4	22 4	1 18
M15	21 15	20 20	2 14	23 51	0 41	15 11	1 39	22 10	1 0	20 6	0 49	22 27	1 0	22 1	0 4	22 4	1 18
T 16	21 4	17 31	3 11	23 52	0 58	14 45	1 39	22 2	1 0	20 8	0 49	22 27	1 0	22 2	0 4	22 4	1 18
W17	20 52	13 59	3 58	23 51	0 44	14 19	1 38	21 54	1 0	20 10	0 49	22 27	1 0	22 2	0 4	22 3	1 18
T 18	20 41	9 55	4 34	23 48	1 0	13 53	1 37	21 45	1 1	20 12	0 49	22 27	1 0	22 3	0 4	22 3	1 18
F 19	20 28	5 31	4 58	23 45	1 6	13 27	1 36	21 36	1 1	20 14	0 49	22 27	1 0	22 3	0 4	22 3	1 17
S 20	20 16	0 56	5 9	23 40	1 12	13 0	1 35	21 27	1 1	20 16	0 49	22 27	1 0	22 4	0 4	22 3	1 17
S 21	20 3	3s40	5 6	23 33	1 17	12 32	1 34	21 17	1 1	20 18	0 49	22 27	1 0	22 4	0 4	22 3	1 17
M22	19 50	8 10	4 51	23 26	1 23	12 5	1 33	21 8	1 1	20 19	0 49	22 27	1 0	22 4	0 4	22 3	1 17
T 23	19 36	12 24	4 22	23 16	1 28	11 37	1 32	20 58	1 2	20 21	0 49	22 27	1 0	22 5	0 4	22 3	1 17
W24	19 22	16 12	3 42	23 6	1 32	11 9	1 30	20 47	1 2	20 23	0 50	22 27	1 0	22 5	0 4	22 3	1 17
T 25	19 7	19 23	2 49	22 54	1 37	10 40	1 29	20 37	1 2	20 24	0 50	22 27	1 0	22 5	0 4	22 3	1 17
F 26	18 53	21 42	1 47	22 41	1 41	10 11	1 28	20 26	1 2	20 26	0 50	22 27	1 0	22 6	0 4	22 3	1 17
S 27	18 38	22 54	0 38	22 26	1 45	9 42	1 26	20 16	1 3	20 28	0 50	22 27	1 0	22 6	0 4	22 3	1 17
S 28	18 22	22 47	0n36	22 10	1 48	9 13	1 24	20 4	1 3	20 29	0 50	22 27	1 0	22 6	0 4	22 3	1 17
M29	18 6	21 13	1 50	21 53	1 52	8 43	1 23	19 53	1 3	20 31	0 50	22 27	1 0	22 7	0 4	22 3	1 17
T 30	17 50	18 13	2 59	21 34	1 54	8 14	1 21	19 42	1 3	20 32	0 50	22 27	1 0	22 7	0 4	22 3	1 17
W31	17s34	13s58	3n58	21s13	1s57	7s44	1s19	19s30	1s 3	20s34	0n50	22s27	1n 0	22s 7	0n 4	22n 3	1s17

Julian Day Number = 2415020.5, Delta T = -1.99 sec
 Ecliptic obliquity = 23°27'06", Nutation = 0°00'17", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°20'37", Lahiri = 22°27'38"

ASTRODIENST EPHEMERIS for the year 1900

geocentric

FEBRUARY 1900

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 42 58	11 ⁴² 31	25 ⁴ 4	5 ²⁵ 25	14 ⁴⁰ 40	8 ⁰ 0	6 ³¹ 31	1 ⁶ 6	11 ³⁶ 36	24 ³⁰ 30	14 ⁴⁹ 49	18 ⁵⁷ 57	17 ³¹ 31	7 ⁴⁸ 48	22 ³ 3	T 1
F 2	8 46 55	12 ⁴³ 25	10 ¹⁵ 15	7 ⁵ 5	15 ⁵³ 53	8 ⁴⁷ 47	6 ⁴⁰ 40	1 ¹² 12	11 ³⁹ 39	24 ²⁹ 29	14 ⁴⁹ 49	18 ⁴⁸ 48	17 ²⁸ 28	7 ⁵⁵ 55	22 ⁸ 8	F 2
S 3	8 50 52	13 ⁴⁴ 18	25 ¹⁷ 17	8 ⁴⁶ 46	17 ⁷ 7	9 ³⁴ 34	6 ⁴⁹ 49	1 ¹⁸ 18	11 ⁴¹ 41	24 ²⁸ 28	14 ⁴⁸ 48	18 ⁴⁰ 40	17 ²⁵ 25	8 ² 2	22 ¹³ 13	S 3
S 4	8 54 48	14 ⁴⁵ 09	10 ⁰ 0	10 ²⁸ 28	18 ²⁰ 20	10 ²² 22	6 ⁵⁷ 57	1 ²⁴ 24	11 ⁴³ 43	24 ²⁷ 27	14 ⁴⁸ 48	18 ³⁴ 34	17 ²² 22	8 ⁸ 8	22 ¹⁸ 18	S 4
M 5	8 58 45	15 ⁴⁵ 59	24 ²⁰ 20	12 ¹¹ 11	19 ³³ 33	11 ⁹ 9	7 ⁶ 6	1 ²⁹ 29	11 ⁴⁵ 45	24 ²⁶ 26	14 ⁴⁷ 47	18 ²⁹ 29	17 ¹⁸ 18	8 ¹⁵ 15	22 ²³ 23	M 5
T 6	9 2 41	16 ⁴⁶ 47	8 ¹⁴ 14	13 ⁵⁴ 54	20 ⁴⁷ 47	11 ⁵⁶ 56	7 ¹⁴ 14	1 ³⁵ 35	11 ⁴⁷ 47	24 ²⁵ 25	14 ⁴⁷ 47	18 ²⁷ 27	17 ¹⁵ 15	8 ²² 22	22 ²⁸ 28	T 6
W 7	9 6 38	17 ⁴⁷ 34	21 ⁴² 42	15 ³⁹ 39	22 ⁰ 0	12 ⁴³ 43	7 ²² 22	1 ⁴¹ 41	11 ⁴⁹ 49	24 ²⁵ 25	14 ⁴⁶ 46	18 ²⁷ 27	17 ¹² 12	8 ²⁹ 29	22 ³³ 33	W 7
T 8	9 10 34	18 ⁴⁸ 19	4 ⁴⁸ 48	17 ²⁴ 24	23 ¹³ 13	13 ³⁰ 30	7 ³⁰ 30	1 ⁴⁶ 46	11 ⁵¹ 51	24 ²⁴ 24	14 ⁴⁶ 46	18 ²⁷ 27	17 ⁹ 9	8 ³⁵ 35	22 ³⁸ 38	T 8
F 9	9 14 31	19 ⁴⁹ 03	17 ³⁴ 34	19 ⁹ 9	24 ²⁶ 26	14 ¹⁸ 18	7 ³⁸ 38	1 ⁵² 52	11 ⁵³ 53	24 ²³ 23	14 ⁴⁶ 46	18 ²⁸ 28	17 ⁶ 6	8 ⁴² 42	22 ⁴³ 43	F 9
S 10	9 18 27	20 ⁴⁹ 45	0 ⁵ 5	20 ⁵⁶ 56	25 ³⁹ 39	15 ⁵ 5	7 ⁴⁶ 46	1 ⁵⁷ 57	11 ⁵⁵ 55	24 ²² 22	14 ⁴⁵ 45	18 ²⁷ 27	17 ³ 3	8 ⁴⁹ 49	22 ⁴⁸ 48	S 10
S 11	9 22 24	21 ⁵⁰ 26	12 ²⁴ 24	22 ⁴³ 43	26 ⁵² 52	15 ⁵² 52	7 ⁵³ 53	2 ³ 3	11 ⁵⁷ 57	24 ²¹ 21	14 ⁴⁵ 45	18 ²⁴ 24	16 ⁵⁹ 59	8 ⁵⁶ 56	22 ⁵² 52	S 11
M 12	9 26 21	22 ⁵¹ 05	24 ³³ 33	24 ³¹ 31	28 ⁴ 4	16 ³⁹ 39	8 ¹ 1	2 ⁸ 8	11 ⁵⁹ 59	24 ²¹ 21	14 ⁴⁴ 44	18 ¹⁹ 19	16 ⁵⁶ 56	9 ² 2	22 ⁵⁷ 57	M 12
T 13	9 30 17	23 ⁵¹ 42	6 ³⁶ 36	26 ²⁰ 20	29 ¹⁷ 17	17 ²⁷ 27	8 ⁸ 8	2 ¹³ 13	12 ⁰ 0	24 ²⁰ 20	14 ⁴⁴ 44	18 ¹⁰ 10	16 ⁵³ 53	9 ⁹ 9	23 ¹ 1	T 13
W 14	9 34 14	24 ⁵² 18	18 ³⁵ 35	28 ¹⁰ 10	0 ³⁰ 30	18 ¹⁴ 14	8 ¹⁵ 15	2 ¹⁸ 18	12 ² 2	24 ¹⁹ 19	14 ⁴⁴ 44	17 ⁵⁹ 59	16 ⁵⁰ 50	9 ¹⁶ 16	23 ⁶ 6	W 14
T 15	9 38 10	25 ⁵² 52	0 ³⁰ 30	29 ⁵⁹ 59	1 ⁴² 42	19 ¹ 1	8 ²² 22	2 ²⁴ 24	12 ⁴ 4	24 ¹⁹ 19	14 ⁴⁴ 44	17 ⁴⁷ 47	16 ⁴⁷ 47	9 ²² 22	23 ¹⁰ 10	T 15
F 16	9 42 7	26 ⁵³ 25	12 ²³ 23	1 ⁵⁰ 50	2 ⁵⁵ 55	19 ⁴⁸ 48	8 ²⁹ 29	2 ²⁹ 29	12 ⁵ 5	24 ¹⁸ 18	14 ⁴³ 43	17 ³³ 33	16 ⁴⁴ 44	9 ²⁹ 29	23 ¹⁵ 15	F 16
S 17	9 46 3	27 ⁵³ 56	24 ¹⁵ 15	3 ⁴² 42	4 ⁷ 7	20 ³⁶ 36	8 ³⁶ 36	2 ³⁴ 34	12 ⁷ 7	24 ¹⁷ 17	14 ⁴³ 43	17 ²⁰ 20	16 ⁴⁰ 40	9 ³⁶ 36	23 ¹⁹ 19	S 17
S 18	9 50 0	28 ⁵⁴ 26	6 ⁸ 8	5 ³³ 33	5 ²⁰ 20	21 ²³ 23	8 ⁴³ 43	2 ³⁹ 39	12 ⁸ 8	24 ¹⁷ 17	14 ⁴³ 43	17 ⁸ 8	16 ³⁷ 37	9 ⁴³ 43	23 ²³ 23	S 18
M 19	9 53 56	29 ⁵⁴ 55	18 ⁵ 5	7 ²⁵ 25	6 ³² 32	22 ¹⁰ 10	8 ⁴⁹ 49	2 ⁴³ 43	12 ¹⁰ 10	24 ¹⁶ 16	14 ⁴³ 43	16 ⁵⁸ 58	16 ³⁴ 34	9 ⁴⁹ 49	23 ²⁷ 27	M 19
T 20	9 57 53	0 ⁵⁵ 22	0 ¹¹ 11	9 ¹⁷ 17	7 ⁴⁴ 44	22 ⁵⁸ 58	8 ⁵⁶ 56	2 ⁴⁸ 48	12 ¹¹ 11	24 ¹⁶ 16	14 ⁴² 42	16 ⁵² 52	16 ³¹ 31	9 ⁵⁶ 56	23 ³¹ 31	T 20
W 21	10 1 50	1 ⁵⁵ 48	12 ²⁰ 20	11 ⁹ 9	8 ⁵⁶ 56	23 ⁴⁵ 45	9 ² 2	2 ⁵³ 53	12 ¹³ 13	24 ¹⁵ 15	14 ⁴² 42	16 ⁴⁸ 48	16 ²⁸ 28	10 ³ 3	23 ³⁵ 35	W 21
T 22	10 5 46	2 ⁵⁶ 12	24 ⁴⁷ 47	13 ¹ 1	10 ⁸ 8	24 ³² 32	9 ⁸ 8	2 ⁵⁸ 58	12 ¹⁴ 14	24 ¹⁵ 15	14 ⁴² 42	16 ⁴⁶ 46	16 ²⁴ 24	10 ⁹ 9	23 ³⁹ 39	T 22
F 23	10 9 43	3 ⁵⁶ 35	7 ³² 32	14 ⁵² 52	11 ²⁰ 20	25 ¹⁹ 19	9 ¹⁴ 14	3 ² 2	12 ¹⁵ 15	24 ¹⁵ 15	14 ⁴² 42	16 ⁴⁶ 46	16 ²¹ 21	10 ¹⁶ 16	23 ⁴³ 43	F 23
S 24	10 13 39	4 ⁵⁶ 57	20 ⁴¹ 41	16 ⁴² 42	12 ³² 32	26 ⁷ 7	9 ²⁰ 20	3 ⁷ 7	12 ¹⁶ 16	24 ¹⁴ 14	14 ⁴² 42	16 ⁴⁶ 46	16 ¹⁸ 18	10 ²³ 23	23 ⁴⁶ 46	S 24
S 25	10 17 36	5 ⁵⁷ 17	4 ¹⁶ 16	18 ³² 32	13 ⁴⁴ 44	26 ⁵⁴ 54	9 ²⁵ 25	3 ¹¹ 11	12 ¹⁷ 17	24 ¹⁴ 14	14 ⁴² 42	16 ⁴⁵ 45	16 ¹⁵ 15	10 ³⁰ 30	23 ⁵⁰ 50	S 25
M 26	10 21 32	6 ⁵⁷ 36	18 ²¹ 21	20 ¹⁹ 19	14 ⁵⁵ 55	27 ⁴¹ 41	9 ³⁰ 30	3 ¹⁶ 16	12 ¹⁸ 18	24 ¹⁴ 14	14 ⁴² 42	16 ⁴² 42	16 ¹² 12	10 ³⁶ 36	23 ⁵³ 53	M 26
T 27	10 25 29	7 ⁵⁷ 54	2 ⁵⁵ 55	22 ⁵ 5	16 ⁷ 7	28 ²⁹ 29	9 ³⁶ 36	3 ²⁰ 20	12 ²⁰ 20	24 ¹³ 13	14 ⁴² 42	16 ³⁶ 36	16 ⁹ 9	10 ⁴³ 43	23 ⁵⁷ 57	T 27
W 28	10 29 25	8 ⁵⁸ 09	17 ⁵³ 53	23 ⁴⁹ 49	17 ¹⁸ 18	29 ¹⁶ 16	9 ⁴¹ 41	3 ²⁴ 24	12 ²⁰ 20	24 ¹³ 13	14 ⁴² 42	16 ³⁶ 36	16 ⁵ 5	10 ⁵⁰ 50	24 ⁰ 0	W 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
T 1	17s17	8s47	4n40	20s51	1s59	7s13	1s17	19s18	1s 3	20s35	0n50	22s27	1n 0	22s 8	0n 4	22n 3	1s17	12n58	9s41	22s59	22s52	3n56	18s15	4n58	
F 2	17 0	3 4	5 2	20 28	2 1	6 43	1 15	19 6	1 4	20 37	0 50	22 27	1 0	22 8	0 4	22 3	1 17	12 58	9 41	22 59	22 52	3 54	18 15	4 59	
S 3	16 43	2n46	5 4	20 3	2 3	6 13	1 13	18 53	1 4	20 38	0 50	22 27	1 0	22 8	0 4	22 3	1 17	12 58	9 41	22 58	22 51	3 51	18 15	4 59	
S 4	16 25	8 19	4 45	19 37	2 4	5 42	1 11	18 41	1 4	20 40	0 50	22 27	1 0	22 9	0 4	22 3	1 17	12 58	9 40	22 58	22 51	3 48	18 14	5 0	
M 5	16 7	13 17	4 8	19 9	2 5	5 11	1 9	18 28	1 4	20 41	0 50	22 27	1 0	22 9	0 4	22 3	1 17	12 58	9 40	22 57	22 51	3 46	18 14	5 0	
T 6	15 49	17 23	3 18	18 39	2 5	4 40	1 6	18 15	1 4	20 42	0 50	22 27	1 0	22 9	0 4	22 3	1 17	12 59	9 40	22 57	22 50	3 43	18 14	5 1	
W 7	15 30	20 25	2 18	18 9	2 5	4 9	1 4	18 2	1 4	20 43	0 50	22 27	1 0	22 9	0 4	22 3	1 17	12 59	9 40	22 57	22 50	3 41	18 14	5 1	
T 8	15 12	22 18	1 12	17 36	2 4	3 38	1 1	17 48	1 4	20 45	0 50	22 27	1 0	22 10	0 4	22 3	1 17	12 59	9 39	22 57	22 50	3 38	18 13	5 2	
F 9	14 53	22 57	0 5	17 2	2 3	3 7	0 59	17 35	1 4	20 46	0 50	22 27	1 0	22 10	0 4	22 3	1 17	12 59	9 39	22 57	22 50	3 35	18 13	5 2	
S 10	14 34	22 25	1s 2	16 27	2 2	2 36	0 56	17 21	1 5	20 47	0 50	22 27	1 0	22 10	0 4	22 3	1 17	12 59	9 39	22 57	22 49	3 33	18 13	5 3	
S 11	14 14	20 49	2 4	15 50	2 0	2 4	0 54	17 7	1 5	20 48	0 51	22 26	1 0	22 11	0 4	22 3	1 17	13 0	9 39	22 57	22 49	3 30	18 13	5 3	
M 12	13 54	18 17	3 0	15 12	1 58	1 33	0 51	16 53	1 5	20 49	0 51	22 26	1 0	22 11	0 4	22 3	1 17	13 0	9 38	22 56	22 49	3 27	18 12	5 4	
T 13	13 34	14 58	3 47	14 33	1 55	1 1	0 48	16 39	1 5	20 51	0 51	22 26	1 0	22 11	0 4	22 3	1 16	13 0	9 38	22 56	22 48	3 25	18 12	5 4	
W 14	13 14	11 6	4 23	13 51	1 51	0 30	0 45	16 24	1 5	20 52	0 51	22 26	1 0	22 11	0 3	22 3	1 16	13 0	9 38	22 55	22 48	3 22	18 12	5 5	
T 15	12 54	6 49	4 48	13 9	1 47	0n 2	0 42	16 10	1 5	20 53	0 51	22 26	1 0	22 11	0 3	22 3	1 16	13 0	9 38	22 53	22 48	3 20	18 11	5 6	
F 16	12 33	2 18	5 0	12 25	1 43	0 33	0 40	15 55	1 5	20 54	0 51	22 26	1 0	22 12	0 3	22 3	1 16	13 1	9 38	22 52	22 47	3 17	18 11	5 6	
S 17	12 13	2s17	4 59	11 40	1 37	1 5	0 36	15 40	1 5	20 55	0 51	22 26	1 0	22 12	0 3	22 4	1 16	13 1	9 37	22 51	22 47	3 14	18 11	5 7	
S 18	11 52	6 48	4 45	10 54	1 31	1 36	0 33	15 25	1 5	20 56	0 51	22 26	1 0	22 12	0 3	22 4	1 16	13 1	9 37	22 50	22 47	3 12	18 10	5 7	
M 19	11 30	11 5	4 19	10 6	1 25	2 8	0 30	15 9	1 5	20 57	0 51	22 26	1 0	22 12	0 3	22 4	1 16	13 1	9 37	22 49	22 46	3 9	18 10	5 8	
T 20	11 9	14 57	3 40	9 18	1 18	2 39	0 27	14 54	1 5	20 57	0 51	22 26	1 0	22 12	0 3	22 4	1 16	13 1	9 37	22 48	22 46	3 7	18 9	5 8	
W 21	10 48	18 16	2 51	8 28	1 10	3 11	0 24	14 38	1 5	20 58	0 51	22 25	1 0	22 13	0 3	22 4	1 16	13 2	9 36	22 48	22 46	3 4	18 9	5 9	
T 22	10 26	20 49	1 54	7 38	1 2	3 42	0 21	14 23	1 5	20 59	0 51	22 25	1 0	22 13	0 3	22 4	1 16	13 2	9 36	22 48	22 45	3 1	18 9	5 10	
F 23	10 4	22 23	0 49	6 47	0 53	4 13	0 17	14 7	1 5	21 0	0 51	22 25	1 0	22 13	0 3	22 4	1 16	13 2	9 36	22 48	22 45	2 59	18 8	5 10	
S 24	9 42	22 47	0n21	5 55	0 43	4 44	0 14	13 51	1 5	21 1	0 51	22 25	1 0	22 13	0 3	22 4	1 16	13 2	9 36	22 48	22 45	2 56	18 8	5 11	
S 25	9 20	21 52	1 31	5 3	0 33	5 16	0 10	13 34	1 5	21 2	0 51	22 25	1 0	22 13	0 3	22 4	1 16	13 3	9 35	22 47	22 44	2 54	18 7	5 11	
M 26	8 58	19 34	2 39	4 10	0 22	5 47	0 7	13 18	1 5	21 2	0 52	22 25	1 0	22 13	0 3	22 4	1 16	13 3	9 35	22 47	22 44	2 51	18 7	5 12	
T 27	8 35	15 59	3 38	3 18	0 11	6 17	0 3	13 2	1 5	21 3	0 52	22 25	1 0	22 14	0 3	22 4	1 16	13 3	9 35	22 47	22 44	2 48	18 6	5 13	
W 28	8s13	11s17	4n24	2s26	0n 1	6n48	0n 0	12s45	1s 5	21s 4	0n52	22s25	1n 0	22s14	0n 3	22n 4	1s16	13n 3	9s35	22s46	22s43	2n46	18s 6	5n13	

ASTRODIENST EPHEMERIS for the year 1900

geocentric

MARCH 1900

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 33 22	9♂58'23	3♂8	25♂30	18♂30	0♂3	9♂46	3♂28	12♂21	24°R13	14♂42	16°R17	16♂2	10♂57	24♂3	T 1
F 2	10 37 19	10°58'36	18°30	27°7	19°41	0°51	9°50	3°32	12°22	24♂13	14°42	16♂6	15°59	11°3	24°6	F 2
S 3	10 41 15	11°58'46	3♂46	28°41	20°52	1°38	9°55	3°36	12°23	24°13	14°42	15°54	15°56	11°10	24°10	S 3
S 4	10 45 12	12°58'55	18°46	0♂10	22°3	2°25	9°59	3°40	12°24	24°13	14°42	15°45	15°53	11°17	24°13	S 4
M 5	10 49 8	13°59'01	3♂21	1°34	23°14	3°13	10°4	3°44	12°25	24°13	14°42	15°38	15°50	11°23	24°15	M 5
T 6	10 53 5	14°59'05	17°27	2°52	24°25	4°0	10°8	3°48	12°25	24°D13	14°42	15°34	15°46	11°30	24°18	T 6
W 7	10 57 1	15°59'08	1♂4	4°4	25°36	4°47	10°12	3°51	12°26	24°13	14°42	15°32	15°43	11°37	24°21	W 7
T 8	11 0 58	16°59'08	14°13	5°10	26°46	5°35	10°15	3°55	12°26	24°13	14°43	15°32	15°40	11°44	24°24	T 8
F 9	11 4 54	17°59'06	26°59	6°8	27°57	6°22	10°19	3°58	12°27	24°13	14°43	15°32	15°37	11°50	24°26	F 9
S 10	11 8 51	18°59'01	9♂26	6°59	29°7	7°9	10°22	4°2	12°27	24°13	14°43	15°31	15°34	11°57	24°29	S 10
S 11	11 12 48	19°58'55	21°38	7°41	0♂17	7°56	10°26	4°5	12°28	24°13	14°43	15°27	15°30	12°4	24°31	S 11
M12	11 16 44	20°58'46	3♂40	8°16	1°27	8°44	10°29	4°8	12°28	24°13	14°43	15°21	15°27	12°11	24°33	M12
T 13	11 20 41	21°58'35	15°37	8°42	2°37	9°31	10°31	4°11	12°28	24°14	14°44	15°12	15°24	12°17	24°35	T 13
W14	11 24 37	22°58'22	27°29	9°0	3°47	10°18	10°34	4°14	12°29	24°14	14°44	15°1	15°21	12°24	24°38	W14
T 15	11 28 34	23°58'07	9♂22	9°9	4°57	11°5	10°37	4°17	12°29	24°14	14°44	14°47	15°18	12°31	24°40	T 15
F 16	11 32 30	24°57'50	21°14	9°R 9	6°6	11°52	10°39	4°20	12°29	24°14	14°45	14°33	15°15	12°37	24°41	F 16
S 17	11 36 27	25°57'31	3♂9	9°1	7°16	12°40	10°41	4°23	12°29	24°15	14°45	14°19	15°11	12°44	24°43	S 17
S 18	11 40 23	26°57'09	15°8	8°46	8°25	13°27	10°43	4°26	12°R29	24°15	14°45	14°6	15°8	12°51	24°45	S 18
M19	11 44 20	27°56'46	27°11	8°22	9°34	14°14	10°45	4°28	12°29	24°16	14°46	13°56	15°5	12°58	24°47	M19
T 20	11 48 16	28°56'21	9♂21	7°52	10°43	15°1	10°46	4°31	12°29	24°16	14°46	13°48	15°2	13°4	24°48	T 20
W21	11 52 13	29°55'54	21°39	7°16	11°52	15°48	10°48	4°33	12°29	24°17	14°47	13°44	14°59	13°11	24°50	W21
T 22	11 56 10	0♂55'26	4♂10	6°35	13°0	16°35	10°49	4°36	12°28	24°17	14°47	13°42	14°55	13°18	24°51	T 22
F 23	12 0 6	1°54'56	16°56	5°49	14°9	17°22	10°50	4°38	12°28	24°18	14°48	13°D41	14°52	13°24	24°52	F 23
S 24	12 4 3	2°54'24	0♂2	5°0	15°17	18°9	10°51	4°40	12°28	24°18	14°48	13°R42	14°49	13°31	24°53	S 24
S 25	12 7 59	3°53'50	13°30	4°9	16°25	18°56	10°51	4°42	12°28	24°19	14°49	13°41	14°46	13°38	24°54	S 25
M26	12 11 56	4°53'14	27°23	3°17	17°33	19°43	10°52	4°44	12°27	24°20	14°49	13°39	14°43	13°45	24°55	M26
T 27	12 15 52	5°52'37	11♂43	2°25	18°41	20°30	10°52	4°46	12°27	24°20	14°50	13°35	14°40	13°51	24°56	T 27
W28	12 19 49	6°51'58	26°27	1°34	19°49	21°17	10°R52	4°48	12°26	24°21	14°51	13°28	14°36	13°58	24°57	W28
T 29	12 23 45	7°51'17	11♂29	0°45	20°56	22°4	10°52	4°49	12°26	24°22	14°51	13°20	14°33	14°5	24°58	T 29
F 30	12 27 42	8°50'34	26°42	29♂58	22°3	22°51	10°52	4°51	12°25	24°23	14°52	13°10	14°30	14°12	24°58	F 30
S 31	12 31 39	9♂49'49	11♂53	29♂16	23♂10	23♂38	10♂51	4♂52	12♂24	24♂23	14♂52	13♂0	14♂27	14♂18	24♂59	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	7s50	5s49	4n52	1s35	0n14	7n19	0n4	12s28	1s5	21s4	0n52	22s24	1n0	22s14	0n3	22n4
F 2	7 27	0n3	5 0	0 44	0 27	7 49	0 7	12 12	1 5	21 5	0 52	22 24	1 0	22 14	0 3	22 4
S 3	7 4	5 52	4 46	0n5	0 40	8 19	0 11	11 55	1 5	21 6	0 52	22 24	1 0	22 14	0 3	22 4
S 4	6 41	11 15	4 12	0 53	0 54	8 49	0 15	11 38	1 5	21 6	0 52	22 24	1 0	22 14	0 3	22 4
M 5	6 18	15 49	3 23	1 39	1 8	9 19	0 19	11 21	1 5	21 7	0 52	22 24	1 0	22 14	0 3	22 4
T 6	5 55	19 20	2 22	2 23	1 21	9 49	0 22	11 3	1 5	21 7	0 52	22 24	1 0	22 14	0 3	22 4
W 7	5 32	21 37	1 16	3 5	1 35	10 18	0 26	10 46	1 5	21 8	0 52	22 24	1 0	22 15	0 3	22 4
T 8	5 9	22 38	0 7	3 43	1 49	10 47	0 30	10 29	1 5	21 8	0 52	22 24	1 0	22 15	0 3	22 4
F 9	4 45	22 25	1s0	4 19	2 2	11 16	0 34	10 11	1 5	21 9	0 52	22 23	1 0	22 15	0 3	22 4
S 10	4 22	21 5	2 3	4 51	2 15	11 45	0 38	9 53	1 5	21 9	0 52	22 23	1 0	22 15	0 3	22 4
S 11	3 58	18 47	2 58	5 19	2 28	12 14	0 42	9 36	1 5	21 9	0 53	22 23	1 0	22 15	0 3	22 4
M12	3 35	15 42	3 45	5 44	2 40	12 42	0 45	9 18	1 4	21 10	0 53	22 23	1 0	22 15	0 3	22 4
T 13	3 11	12 0	4 21	6 4	2 51	13 10	0 49	9 0	1 4	21 10	0 53	22 23	1 0	22 15	0 3	22 5
W14	2 47	7 52	4 46	6 20	3 1	13 37	0 53	8 42	1 4	21 10	0 53	22 23	1 0	22 15	0 3	22 5
T 15	2 24	3 27	4 58	6 32	3 10	14 5	0 57	8 24	1 4	21 11	0 53	22 23	1 0	22 15	0 3	22 5
F 16	2 0	1s5	4 48	6 39	3 17	14 32	1 1	8 6	1 4	21 11	0 53	22 23	1 0	22 15	0 3	22 5
S 17	1 36	5 36	4 44	6 41	3 23	14 58	1 5	7 48	1 4	21 11	0 53	22 22	1 0	22 15	0 3	22 5
S 18	1 13	9 55	4 18	6 39	3 28	15 24	1 9	7 29	1 4	21 11	0 53	22 22	1 0	22 15	0 3	22 5
M19	0 49	13 53	3 40	6 33	3 31	15 50	1 13	7 11	1 3	21 12	0 53	22 22	1 0	22 15	0 3	22 5
T 20	0 25	17 19	2 51	6 22	3 32	16 16	1 17	6 53	1 3	21 12	0 53	22 22	1 0	22 15	0 3	22 5
W21	0 2	20 1	1 54	6 7	3 31	16 41	1 21	6 34	1 3	21 12	0 53	22 22	1 0	22 15	0 3	22 5
T 22	0n22	21 49	0 50	5 48	3 28	17 6	1 25	6 16	1 3	21 12	0 53	22 22	1 0	22 15	0 3	22 5
F 23	0 46	22 31	0n17	5 26	3 24	17 30	1 29	5 57	1 3	21 12	0 53	22 22	1 0	22 15	0 3	22 5
S 24	1 9	22 1	1 26	5 1	3 18	17 54	1 33	5 39	1 3	21 12	0 53	22 22	1 1	22 15	0 3	22 5
S 25	1 33	20 15	2 31	4 33	3 10	18 18	1 37	5 20	1 2	21 12	0 54	22 22	1 1	22 15	0 3	22 5
M26	1 57	17 15	3 30	4 4	3 0	18 41	1 41	5 1	1 2	21 12	0 54	22 22	1 1	22 15	0 3	22 5
T 27	2 20	13 9	4 18	3 33	2 49	19 4	1 45	4 43	1 2	21 12	0 54	22 21	1 1	22 15	0 3	22 6
W28	2 44	8 10	4 50	3 1	2 37	19 26	1 48	4 24	1 2	21 12	0 54	22 21	1 1	22 15	0 3	22 6
T 29	3 7	2 35	5 3	2 29	2 23	19 48	1 52	4 5	1 1	21 12	0 54	22 21	1 1	22 15	0 3	22 6
F 30	3 30	3n11	4 55	1 58	2 9	20 10	1 56	3 47	1 1	21 12	0 54	22 21	1 1	22 15	0 3	22 6
S 31	3n54	8n47	4n26	1n27	1n54	20n31	2n0	3s28	1s1	21s12	0n54	22s21	1n1	22s14	0n3	22n6

Julian Day Number = 2415079.5, Delta T = -1.80 sec
 Ecliptic obliquity = 23°27'07, Nutation = 0°00'18, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°20'46, Lahiri = 22°27'46

ASTRODIENST EPHEMERIS for the year 1900

geocentric

APRIL 1900

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 35 35	10°49'02	26°54	28°R37	24°17	24°25	10°R51	4°54	12°R24	24°24	14°53	12°R52	14°24	14°25	24°59	S 1
M 2	12 39 32	11°48'13	11°34	28°3	25°24	25°12	10°50	4°55	12°23	24°25	14°54	12°46	14°21	14°32	24°59	M 2
T 3	12 43 28	12°47'22	25°48	27°34	26°30	25°59	10°49	4°56	12°22	24°26	14°55	12°42	14°17	14°38	24°59	T 3
W 4	12 47 25	13°46'28	9°33	27°11	27°37	26°45	10°47	4°57	12°21	24°27	14°55	12°D41	14°14	14°45	25° 0	W 4
T 5	12 51 21	14°45'32	22°50	26°53	28°43	27°32	10°46	4°58	12°20	24°28	14°56	12°41	14°11	14°52	25°R 0	T 5
F 6	12 55 18	15°44'34	5°42	26°40	29°48	28°19	10°44	4°59	12°19	24°29	14°57	12°42	14° 8	14°59	24°59	F 6
S 7	12 59 14	16°43'34	18°12	26°33	0°54	29° 6	10°43	5° 0	12°18	24°30	14°58	12°R43	14° 5	15° 5	24°59	S 7
S 8	13 3 11	17°42'31	0°25	26°D32	1°59	29°52	10°41	5° 0	12°17	24°31	14°58	12°42	14° 1	15°12	24°59	S 8
M 9	13 7 8	18°41'26	12°27	26°36	3° 4	0°39	10°38	5° 1	12°16	24°32	14°59	12°39	13°58	15°19	24°59	M 9
T 10	13 11 4	19°40'19	24°21	26°45	4° 9	1°26	10°36	5° 1	12°15	24°33	15° 0	12°33	13°55	15°25	24°58	T 10
W 11	13 15 1	20°39'09	6°13	26°59	5°14	2°12	10°34	5° 2	12°14	24°35	15° 1	12°26	13°52	15°32	24°58	W 11
T 12	13 18 57	21°37'58	18° 5	27°18	6°18	2°59	10°31	5° 2	12°13	24°36	15° 2	12°17	13°49	15°39	24°57	T 12
F 13	13 22 54	22°36'44	29°59	27°41	7°22	3°45	10°28	5° 2	12°11	24°37	15° 3	12° 8	13°46	15°46	24°56	F 13
S 14	13 26 50	23°35'28	11°59	28° 9	8°26	4°32	10°25	5°R 2	12°10	24°38	15° 4	11°58	13°42	15°52	24°55	S 14
S 15	13 30 47	24°34'10	24° 5	28°42	9°29	5°18	10°22	5° 2	12° 9	24°40	15° 5	11°50	13°39	15°59	24°54	S 15
M 16	13 34 43	25°32'50	6°19	29°18	10°32	6° 4	10°18	5° 2	12° 7	24°41	15° 6	11°43	13°36	16° 6	24°53	M 16
T 17	13 38 40	26°31'28	18°42	29°58	11°35	6°51	10°15	5° 2	12° 6	24°42	15° 7	11°39	13°33	16°13	24°52	T 17
W 18	13 42 36	27°30'04	1°42	0°42	12°38	7°37	10°11	5° 2	12° 4	24°44	15° 7	11°36	13°30	16°19	24°51	W 18
T 19	13 46 33	28°28'39	13°58	1°30	13°40	8°23	10° 7	5° 1	12° 3	24°45	15° 8	11°D36	13°27	16°26	24°50	T 19
F 20	13 50 30	29°27'12	26°56	2°20	14°42	9°10	10° 3	5° 1	12° 1	24°46	15° 9	11°36	13°23	16°33	24°48	F 20
S 21	13 54 26	0°25'43	10°3	3°14	15°43	9°56	9°59	5° 0	12° 0	24°48	15°11	11°38	13°20	16°39	24°47	S 21
S 22	13 58 23	1°24'13	23°39	4°11	16°45	10°42	9°54	4°59	11°58	24°49	15°12	11°39	13°17	16°46	24°45	S 22
M 23	14 2 19	2°22'41	7°38	5°12	17°46	11°28	9°50	4°59	11°56	24°51	15°13	11°R39	13°14	16°53	24°44	M 23
T 24	14 6 16	3°21'07	21°37	6°14	18°46	12°14	9°45	4°58	11°55	24°52	15°14	11°38	13°11	17° 0	24°42	T 24
W 25	14 10 12	4°19'32	6°3	7°20	19°46	13° 0	9°40	4°57	11°53	24°54	15°15	11°35	13° 7	17° 6	24°40	W 25
T 26	14 14 9	5°17'55	20°44	8°28	20°46	13°47	9°35	4°56	11°51	24°55	15°16	11°30	13° 4	17°13	24°38	T 26
F 27	14 18 5	6°16'17	5°34	9°39	21°45	14°33	9°30	4°54	11°49	24°57	15°17	11°25	13° 1	17°20	24°36	F 27
S 28	14 22 2	7°14'37	20°25	10°52	22°44	15°18	9°25	4°53	11°47	24°59	15°18	11°20	12°58	17°26	24°34	S 28
S 29	14 25 59	8°12'55	5°9	12° 7	23°43	16° 4	9°19	4°52	11°46	25° 0	15°19	11°16	12°55	17°33	24°32	S 29
M 30	14 29 55	9°11'11	19°39	13°25	24°41	16°50	9°14	4°50	11°44	25°1	15°20	11°13	12°52	17°40	24°30	M 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	4n17	13n46	3n39	0n57	1n38	20n51	2n 4	3s 9	1s 1	21s11	0n54	22s21	1n 1	22s14	0n 3	22n 6
M 2	4 40	17 49	2 38	0 29	1 22	21 11	2 7	2 50	1 0	21 11	0 54	22 21	1 1	22 14	0 3	22 6
T 3	5 3	20 39	1 29	0 3	1 6	21 30	2 11	2 31	1 0	21 11	0 54	22 21	1 1	22 14	0 3	22 6
W 4	5 26	22 10	0 17	0s21	0 50	21 49	2 15	2 12	1 0	21 11	0 54	22 21	1 1	22 14	0 3	22 6
T 5	5 49	22 21	0s54	0 43	0 35	22 8	2 18	1 54	1 0	21 11	0 54	22 21	1 1	22 14	0 3	22 6
F 6	6 12	21 20	2 0	1 2	0 19	22 26	2 22	1 35	0 59	21 10	0 54	22 21	1 1	22 14	0 3	22 6
S 7	6 35	19 16	2 58	1 19	0 4	22 43	2 25	1 16	0 59	21 10	0 54	22 21	1 1	22 14	0 3	22 6
S 8	6 57	16 22	3 47	1 33	0s11	23 0	2 29	0 57	0 59	21 10	0 54	22 21	1 1	22 14	0 3	22 7
M 9	7 20	12 50	4 25	1 45	0 25	23 16	2 32	0 38	0 58	21 9	0 54	22 20	1 1	22 13	0 3	22 7
T 10	7 42	8 50	4 51	1 54	0 39	23 32	2 35	0 19	0 58	21 9	0 54	22 20	1 1	22 13	0 3	22 7
W 11	8 4	4 31	5 4	2 0	0 52	23 47	2 39	0 1	0 58	21 9	0 55	22 20	1 1	22 13	0 3	22 7
T 12	8 26	0 3	5 4	2 4	1 5	24 2	2 42	0n18	0 58	21 8	0 55	22 20	1 1	22 13	0 3	22 7
F 13	8 48	4s27	4 51	2 5	1 16	24 16	2 45	0 37	0 57	21 8	0 55	22 20	1 1	22 13	0 3	22 7
S 14	9 10	8 49	4 26	2 4	1 27	24 29	2 48	0 56	0 57	21 7	0 55	22 20	1 1	22 13	0 3	22 7
S 15	9 31	12 52	3 48	2 1	1 38	24 42	2 51	1 15	0 56	21 7	0 55	22 20	1 1	22 13	0 3	22 7
M 16	9 53	16 26	2 59	1 55	1 48	24 55	2 54	1 33	0 56	21 6	0 55	22 20	1 1	22 12	0 3	22 7
T 17	10 14	19 20	2 1	1 48	1 57	25 6	2 57	1 32	0 56	21 6	0 55	22 20	1 1	22 12	0 3	22 7
W 18	10 35	21 20	0 56	1 38	2 5	25 18	3 0	2 11	0 55	21 5	0 55	22 20	1 1	22 12	0 3	22 8
T 19	10 56	22 17	0n13	1 26	2 13	25 28	3 2	2 29	0 55	21 4	0 55	22 20	1 1	22 12	0 3	22 8
F 20	11 17	22 3	1 22	1 12	2 20	25 38	3 5	2 48	0 55	21 4	0 55	22 20	1 1	22 12	0 3	22 8
S 21	11 38	20 36	2 29	0 57	2 26	25 47	3 7	3 6	0 54	21 3	0 55	22 20	1 1	22 11	0 3	22 8
S 22	11 58	17 58	3 28	0 39	2 32	25 56	3 10	3 25	0 54	21 2	0 55	22 20	1 1	22 11	0 3	22 8
M 23	12 18	14 16	4 17	0 20	2 36	26 5	3 12	3 43	0 53	21 2	0 55	22 20	1 1	22 11	0 3	22 8
T 24	12 38	9 42	4 52	0n 1	2 41	26 12	3 14	4 2	0 53	21 1	0 55	22 20	1 1	22 11	0 3	22 8
W 25	12 58	4 30	5 9	0 24	2 44	26 19	3 16	4 20	0 53	21 0	0 55	22 20	1 1	22 11	0 3	22 8
T 26	13 18	1n 2	5 7	0 48	2 48	26 26	3 18	4 38	0 52	21 0	0 55	22 20	1 1	22 10	0 3	22 8
F 27	13 37	6 33	4 44	1 13	2 50	26 31	3 20	4 56	0 52	20 59	0 55	22 20	1 1	22 10	0 3	22 8
S 28	13 56	11 43	4 2	1 40	2 52	26 37	3 22	5 14	0 51	20 58	0 55	22 20	1 1	22 10	0 3	22 8
S 29	14 15	16 8	3 4	2 8	2 53	26 41	3 24	5 33	0 51	20 57	0 55	22 20	1 1	22 10	0 3	22 9
M 30	14n34	19n30	1n55	2n38	2s54	26n45	3n25	5n50	0s51	20s56	0n55	22s20	1n 1	22s 9	0n 3	22n 9

Julian Day Number = 2415110.5, Delta T = -1.70 sec

Ecliptic obliquity = 23°27'06, Nutation = 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°20'50, Lahiri = 22°27'50

ASTRODIENST EPHEMERIS for the year 1900

geocentric

MAY 1900

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 33 52	10♈ 9'26	3♊48	14♈45	25♊38	17♈36	9°R 8	4°R49	11°R42	25♊ 4	15♊22	11°R11	12♈48	17♈47	24°R28	T 1
W 2	14 37 48	11° 7'39	17°33	16° 7	26°35	18°22	9♈ 2	4♈47	11♈40	25° 5	15°23	11°D11	12°45	17°53	24♈25	W 2
T 3	14 41 45	12° 5'50	0♈53	17°31	27°32	19° 8	8°56	4°45	11°38	25° 7	15°24	11♈12	12°42	18° 0	24°23	T 3
F 4	14 45 41	13° 3'59	13°48	18°58	28°28	19°53	8°50	4°44	11°36	25° 9	15°25	11°14	12°39	18° 7	24°20	F 4
S 5	14 49 38	14° 2'07	26°23	20°26	29°24	20°39	8°44	4°42	11°34	25°11	15°26	11°15	12°36	18°14	24°18	S 5
S 6	14 53 34	15° 0'12	8♊40	21°56	0♈19	21°25	8°37	4°40	11°31	25°12	15°27	11°16	12°32	18°20	24°15	S 6
M 7	14 57 31	15°58'15	20°44	23°29	1°13	22°10	8°31	4°38	11°29	25°14	15°29	11°R17	12°29	18°27	24°13	M 7
T 8	15 1 28	16°56'16	2♈41	25° 3	2° 7	22°56	8°24	4°35	11°27	25°16	15°30	11°15	12°26	18°34	24°10	T 8
W 9	15 5 24	17°54'15	14°33	26°40	3° 1	23°41	8°18	4°33	11°25	25°18	15°31	11°13	12°23	18°40	24° 7	W 9
T 10	15 9 21	18°52'13	26°26	28°19	3°53	24°26	8°11	4°31	11°23	25°20	15°32	11°11	12°20	18°47	24° 4	T 10
F 11	15 13 17	19°50'09	8♊24	29°59	4°45	25°12	8° 4	4°28	11°21	25°22	15°34	11° 7	12°17	18°54	24° 1	F 11
S 12	15 17 14	20°48'03	20°29	1♈42	5°37	25°57	7°57	4°26	11°18	25°23	15°35	11° 4	12°13	19° 1	23°58	S 12
S 13	15 21 10	21°45'55	2♈43	3°26	6°27	26°42	7°50	4°23	11°16	25°25	15°36	11° 1	12°10	19° 7	23°55	S 13
M14	15 25 7	22°43'46	15° 9	5°13	7°17	27°28	7°43	4°21	11°14	25°27	15°38	10°59	12° 7	19°14	23°52	M14
T 15	15 29 3	23°41'35	27°48	7° 1	8° 6	28°13	7°36	4°18	11°11	25°29	15°39	10°57	12° 4	19°21	23°48	T 15
W16	15 33 0	24°39'23	10♈40	8°52	8°55	28°58	7°29	4°15	11° 9	25°31	15°40	10°D57	12° 1	19°28	23°45	W16
T 17	15 36 57	25°37'10	23°45	10°44	9°42	29°43	7°22	4°12	11° 7	25°33	15°41	10°57	11°58	19°34	23°42	T 17
F 18	15 40 53	26°34'55	7♈ 3	12°39	10°29	0♈28	7°14	4° 9	11° 4	25°35	15°43	10°58	11°54	19°41	23°38	F 18
S 19	15 44 50	27°32'40	20°34	14°36	11°15	1°13	7° 7	4° 6	11° 2	25°37	15°44	10°59	11°51	19°48	23°35	S 19
S 20	15 48 46	28°30'23	4♈18	16°34	12° 0	1°58	6°59	4° 3	11° 0	25°39	15°45	11° 0	11°48	19°54	23°31	S 20
M21	15 52 43	29°28'05	18°14	18°34	12°44	2°43	6°52	4° 0	10°57	25°41	15°47	11° 1	11°45	20° 1	23°28	M21
T 22	15 56 39	0♈25'45	2♈21	20°37	13°27	3°28	6°44	3°57	10°55	25°43	15°48	11°R 1	11°42	20° 8	23°24	T 22
W23	16 0 36	1°23'25	16°37	22°40	14° 9	4°12	6°37	3°53	10°52	25°45	15°49	11° 1	11°38	20°15	23°21	W23
T 24	16 4 32	2°21'04	0♈59	24°46	14°51	4°57	6°29	3°50	10°50	25°47	15°51	11° 0	11°35	20°21	23°17	T 24
F 25	16 8 29	3°18'42	15°24	26°53	15°31	5°42	6°22	3°47	10°48	25°50	15°52	10°59	11°32	20°28	23°13	F 25
S 26	16 12 26	4°16'19	29°48	29° 2	16°10	6°26	6°14	3°43	10°45	25°52	15°54	10°58	11°29	20°35	23°10	S 26
S 27	16 16 22	5°13'55	14♈ 5	1♈11	16°47	7°11	6° 6	3°40	10°43	25°54	15°55	10°58	11°26	20°41	23° 6	S 27
M28	16 20 19	6°11'30	28°11	3°22	17°24	7°55	5°59	3°36	10°40	25°56	15°56	10°57	11°23	20°48	23° 2	M28
T 29	16 24 15	7° 9'04	12♈ 3	5°33	17°59	8°40	5°51	3°32	10°38	25°58	15°58	10°D57	11°19	20°55	22°58	T 29
W30	16 28 12	8° 6'37	25°36	7°45	18°33	9°24	5°43	3°28	10°35	26° 0	15°59	10°57	11°16	21° 2	22°54	W30
T 31	16 32 8	9♈ 4'09	8♈49	9♈57	19°56	10♈ 9	5♈36	3♈25	10♈33	26♈ 2	16♈ 0	10♈58	11♈13	21♈ 8	22♈50	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	14n52	21n35	0n40	3n 9	2s53	26n49	3n26	6n 8	0s50	20s56	0n55	22s20	1n 1	22s 9	0n 3	22n 9
W 2	15 10	22 17	0s35	3 41	2 53	26 52	3 28	6 26	0 50	20 55	0 55	22 21	1 1	22 9	0 3	22 9
T 3	15 28	21 41	1 46	4 14	2 52	26 54	3 29	6 44	0 49	20 54	0 55	22 21	1 1	22 9	0 3	22 9
F 4	15 46	19 56	2 49	4 48	2 50	26 56	3 30	7 2	0 49	20 53	0 55	22 21	1 1	22 8	0 3	22 9
S 5	16 4	17 14	3 43	5 24	2 48	26 57	3 30	7 19	0 48	20 52	0 55	22 21	1 1	22 8	0 3	22 9
S 6	16 21	13 50	4 25	6 0	2 45	26 58	3 31	7 37	0 48	20 51	0 55	22 21	1 1	22 8	0 3	22 9
M 7	16 38	9 56	4 54	6 38	2 41	26 58	3 32	7 54	0 47	20 50	0 55	22 21	1 1	22 7	0 3	22 9
T 8	16 54	5 42	5 10	7 16	2 37	26 58	3 32	8 12	0 47	20 49	0 55	22 21	1 1	22 7	0 3	22 9
W 9	17 11	1 16	5 13	7 55	2 33	26 57	3 32	8 29	0 46	20 48	0 55	22 21	1 1	22 7	0 3	22 10
T 10	17 27	3s13	5 3	8 35	2 28	26 56	3 32	8 46	0 46	20 47	0 55	22 21	1 1	22 7	0 3	22 10
F 11	17 42	7 36	4 39	9 15	2 22	26 54	3 32	9 3	0 45	20 46	0 55	22 21	1 1	22 6	0 3	22 10
S 12	17 58	11 45	4 3	9 56	2 16	26 51	3 32	9 20	0 45	20 45	0 55	22 21	1 1	22 6	0 3	22 10
S 13	18 13	15 29	3 15	10 38	2 9	26 49	3 31	9 37	0 44	20 44	0 55	22 21	1 1	22 6	0 3	22 10
M14	18 28	18 35	2 17	11 21	2 2	26 45	3 30	9 54	0 44	20 43	0 55	22 21	1 1	22 5	0 3	22 10
T 15	18 42	20 51	1 12	12 3	1 55	26 41	3 30	10 10	0 43	20 42	0 55	22 21	1 1	22 5	0 3	22 10
W16	18 57	22 5	0 2	12 46	1 47	26 37	3 28	10 27	0 43	20 40	0 54	22 22	1 1	22 5	0 3	22 10
T 17	19 10	22 8	1n10	13 30	1 38	26 32	3 27	10 43	0 42	20 39	0 54	22 22	1 1	22 4	0 3	22 10
F 18	19 24	20 57	2 19	14 13	1 30	26 27	3 26	10 59	0 42	20 38	0 54	22 22	1 1	22 4	0 3	22 10
S 19	19 37	18 33	3 22	14 56	1 21	26 22	3 24	11 16	0 41	20 37	0 54	22 22	1 1	22 4	0 3	22 11
S 20	19 50	15 5	4 14	15 40	1 11	26 16	3 22	11 32	0 41	20 36	0 54	22 22	1 1	22 3	0 3	22 11
M21	20 3	10 44	4 52	16 23	1 1	26 9	3 20	11 48	0 40	20 35	0 54	22 22	1 1	22 3	0 3	22 11
T 22	20 15	5 46	5 13	17 5	0 51	26 3	3 17	12 3	0 40	20 34	0 54	22 22	1 1	22 3	0 3	22 11
W23	20 27	0 27	5 15	17 47	0 41	25 56	3 15	12 19	0 39	20 32	0 54	22 22	1 1	22 2	0 3	22 11
T 24	20 39	4n56	4 57	18 29	0 30	25 48	3 12	12 35	0 38	20 31	0 54	22 22	1 1	22 2	0 3	22 11
F 25	20 50	10 5	4 21	19 9	0 20	25 40	3 9	12 50	0 38	20 30	0 54	22 23	1 1	22 2	0 3	22 11
S 26	21 1	14 40	3 29	19 48	0 9	25 32	3 5	13 5	0 37	20 29	0 54	22 23	1 1	22 1	0 3	22 11
S 27	21 11	18 21	2 23	20 26	0n 2	25 24	3 2	13 20	0 37	20 28	0 54	22 23	1 1	22 1	0 3	22 11
M28	21 21	20 54	1 10	21 2	0 12	25 15	2 58	13 35	0 36	20 26	0 53	22 23	1 1	22 1	0 3	22 11
T 29	21 31	22 9	0s 6	21 37	0 22	25 6	2 53	13 50	0 35	20 25	0 53	22 23	1 1	22 0	0 3	22 11
W30	21 40	22 2	1 20	22 9	0 33	24 57	2 49	14 5	0 35	20 24	0 53	22 23	1 1	22 0	0 3	22 12
T 31	21n49	20n41	2s28	22n39	0n43	24n48	2n44	14n19	0s34	20s23	0n53	22s23	1n 1	22s 0	0n 3	22n12

Julian Day Number = 2415140.5, Delta T = -1.60 sec
 Ecliptic obliquity = 23°27'05, Nutation = 0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°20'54, Lahiri = 22°27'54

ASTRODIENST EPHEMERIS for the year 1900
geocentric

JUNE 1900

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	16 36 5	10II 1'39	21☾43	12II 9	19☾37	10♂53	5°R28	3°R21	10°R30	26II 4	16II 2	10♂58	11♂10	21♂15	22°R46	F 1
S 2	16 40 2	10°59'08	4♂18	14°21	20° 7	11°37	5♂21	3♂17	10♂28	26° 7	16° 3	10°R58	11° 7	21°22	22♂42	S 2
S 3	16 43 58	11°56'36	16°37	16°32	20°35	12°21	5°13	3°13	10°25	26° 9	16° 5	10°58	11° 4	21°29	22°38	S 3
M 4	16 47 55	12°54'03	28°43	18°42	21° 2	13° 5	5° 5	3° 9	10°23	26°11	16° 6	10°58	11° 0	21°35	22°34	M 4
T 5	16 51 51	13°51'29	10♂41	20°51	21°27	13°49	4°58	3° 5	10°20	26°13	16° 7	10°D58	10°57	21°42	22°30	T 5
W 6	16 55 48	14°48'53	22°34	22°59	21°51	14°33	4°50	3° 1	10°18	26°15	16° 9	10°58	10°54	21°49	22°26	W 6
T 7	16 59 44	15°46'16	4♂28	25° 5	22°12	15°17	4°43	2°57	10°15	26°18	16°10	10°58	10°51	21°55	22°22	T 7
F 8	17 3 41	16°43'38	16°27	27°10	22°32	16° 1	4°36	2°53	10°13	26°20	16°11	10°58	10°48	22° 2	22°18	F 8
S 9	17 7 37	17°40'59	28°35	29°13	22°50	16°45	4°28	2°49	10°11	26°22	16°13	10°59	10°44	22° 9	22°14	S 9
S 10	17 11 34	18°38'20	10♂56	19♂13	23° 6	17°29	4°21	2°44	10° 8	26°24	16°14	11° 0	10°41	22°16	22°10	S 10
M 11	17 15 30	19°35'39	23°32	3°12	23°21	18°12	4°14	2°40	10° 6	26°26	16°16	11° 0	10°38	22°22	22° 6	M 11
T 12	17 19 27	20°32'57	6♂26	5° 8	23°33	18°56	4° 7	2°36	10° 3	26°29	16°17	11°R 1	10°35	22°29	22° 2	T 12
W 13	17 23 24	21°30'15	19°37	7° 3	23°42	19°40	4° 0	2°32	10° 1	26°31	16°18	11° 1	10°32	22°36	21°58	W 13
T 14	17 27 20	22°27'32	3♂ 6	8°55	23°50	20°23	3°53	2°27	9°58	26°33	16°20	11° 0	10°29	22°42	21°54	T 14
F 15	17 31 17	23°24'49	16°50	10°44	23°56	21° 7	3°46	2°23	9°56	26°35	16°21	10°59	10°25	22°49	21°50	F 15
S 16	17 35 13	24°22'05	0♂48	12°31	23°59	21°50	3°39	2°19	9°54	26°38	16°23	10°57	10°22	22°56	21°46	S 16
S 17	17 39 10	25°19'20	14°55	14°16	24°R 0	22°33	3°33	2°14	9°51	26°40	16°24	10°56	10°19	23° 3	21°41	S 17
M 18	17 43 6	26°16'36	29° 8	15°59	23°59	23°17	3°26	2°10	9°49	26°42	16°25	10°54	10°16	23° 9	21°37	M 18
T 19	17 47 3	27°13'51	13♂24	17°39	23°55	24° 0	3°20	2° 6	9°47	26°44	16°27	10°53	10°13	23°16	21°33	T 19
W 20	17 51 0	28°11'05	27°39	19°16	23°49	24°43	3°13	2° 1	9°44	26°47	16°28	10°D53	10°10	23°23	21°29	W 20
T 21	17 54 56	29° 8'20	11°V51	20°51	23°41	25°26	3° 7	1°57	9°42	26°49	16°29	10°53	10° 6	23°29	21°25	T 21
F 22	17 58 53	0♂ 5'34	25°58	22°24	23°30	26° 9	3° 1	1°52	9°40	26°51	16°31	10°54	10° 3	23°36	21°21	F 22
S 23	18 2 49	1° 2'49	9♂57	23°54	23°16	26°52	2°55	1°48	9°37	26°53	16°32	10°55	10° 0	23°43	21°17	S 23
S 24	18 6 46	2° 0'03	23°48	25°22	23° 1	27°35	2°49	1°44	9°35	26°55	16°34	10°56	9°57	23°50	21°13	S 24
M 25	18 10 42	2°57'18	7II27	26°47	22°43	28°18	2°43	1°39	9°33	26°58	16°35	10°R57	9°54	23°56	21° 9	M 25
T 26	18 14 39	3°54'32	20°54	28°10	22°23	29° 1	2°38	1°35	9°31	27° 0	16°36	10°57	9°50	24° 3	21° 5	T 26
W 27	18 18 35	4°51'46	4♂ 8	29°30	22° 1	29°43	2°32	1°30	9°29	27° 2	16°38	10°55	9°47	24°10	21° 1	W 27
T 28	18 22 32	5°49'00	17° 6	0♂47	21°36	0II26	2°27	1°26	9°27	27° 4	16°39	10°53	9°44	24°17	20°58	T 28
F 29	18 26 29	6°46'13	29°50	2° 2	21°10	1° 9	2°21	1°22	9°24	27° 7	16°40	10°49	9°41	24°23	20°54	F 29
S 30	18 30 25	7♂43'27	12♂19	3♂14	20♂41	1II51	2♂16	1♂17	9♂22	27II 9	16II42	10♂45	9♂38	24♂30	20♂50	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	21n58	18n17	3s27	23n 7	0n52	24n38	2n39	14n34	0s34	20s21	0n53	22s23	1n 1	21s59	0n 3	22n12	1s12	13n28	9s17	22s 6	22s 8	1s11	17s 9	6n 7			
S 2	22 6	15 4	4 14	23 33	1 1	24 28	2 33	14 48	0 33	20 20	0 53	22 24	1 1	21 59	0 3	22 12	1 12	13 29	9 17	22 6	22 7	1 14	17 9	6 7			
S 3	22 14	11 16	4 49	23 56	1 10	24 18	2 28	15 2	0 32	20 19	0 53	22 24	1 1	21 59	0 3	22 12	1 12	13 29	9 17	22 6	22 7	1 16	17 8	6 7			
M 4	22 21	7 5	5 10	24 16	1 18	24 8	2 21	15 16	0 32	20 18	0 53	22 24	1 1	21 58	0 3	22 12	1 12	13 29	9 17	22 6	22 6	1 19	17 8	6 7			
T 5	22 28	2 41	5 17	24 33	1 25	23 58	2 15	15 30	0 31	20 17	0 52	22 24	1 1	21 58	0 3	22 12	1 12	13 29	9 17	22 6	22 6	1 21	17 7	6 8			
W 6	22 35	1s48	5 10	24 48	1 32	23 47	2 8	15 44	0 31	20 15	0 52	22 24	1 1	21 58	0 3	22 12	1 12	13 29	9 17	22 6	22 5	1 24	17 7	6 8			
T 7	22 41	6 13	4 51	25 0	1 38	23 37	2 1	15 57	0 30	20 14	0 52	22 24	1 1	21 57	0 3	22 12	1 12	13 30	9 17	22 6	22 5	1 26	17 6	6 8			
F 8	22 47	10 27	4 18	25 9	1 44	23 26	1 54	16 10	0 29	20 13	0 52	22 24	1 1	21 57	0 3	22 12	1 12	13 30	9 17	22 6	22 4	1 29	17 6	6 8			
S 9	22 53	14 18	3 34	25 16	1 49	23 15	1 46	16 23	0 29	20 12	0 52	22 25	1 1	21 57	0 3	22 12	1 12	13 30	9 17	22 6	22 4	1 31	17 6	6 8			
S 10	22 58	17 38	2 39	25 19	1 53	23 4	1 37	16 36	0 28	20 11	0 52	22 25	1 1	21 56	0 3	22 12	1 12	13 30	9 17	22 6	22 4	1 34	17 5	6 9			
M11	23 3	20 12	1 35	25 21	1 56	22 54	1 29	16 49	0 27	20 9	0 52	22 25	1 1	21 56	0 3	22 12	1 12	13 30	9 17	22 6	22 3	1 36	17 5	6 9			
T 12	23 7	21 49	0 25	25 19	1 58	22 43	1 20	17 2	0 27	20 8	0 51	22 25	1 1	21 56	0 3	22 13	1 12	13 30	9 17	22 6	22 3	1 39	17 4	6 9			
W13	23 11	22 15	0n47	25 16	2 0	22 32	1 10	17 14	0 26	20 7	0 51	22 25	1 1	21 55	0 3	22 13	1 12	13 31	9 17	22 6	22 2	1 41	17 4	6 9			
T 14	23 14	21 26	1 59	25 10	2 1	22 21	1 1	17 27	0 26	20 6	0 51	22 25	1 0	21 55	0 3	22 13	1 12	13 31	9 17	22 6	22 2	1 43	17 4	6 9			
F 15	23 17	19 19	3 5	25 2	2 1	22 10	0 51	17 39	0 25	20 5	0 51	22 25	1 0	21 55	0 3	22 13	1 12	13 31	9 17	22 6	22 1	1 46	17 3	6 9			
S 16	23 20	16 3	4 2	24 52	2 1	21 59	0 40	17 51	0 24	20 4	0 51	22 26	1 0	21 54	0 2	22 13	1 12	13 31	9 17	22 6	22 1	1 48	17 3	6 9			
S 17	23 22	11 51	4 44	24 40	2 0	21 48	0 29	18 2	0 24	20 3	0 51	22 26	1 0	21 54	0 2	22 13	1 12	13 31	9 17	22 6	22 0	1 51	17 3	6 10			
M18	23 24	6 57	5 9	24 27	1 58	21 37	0 18	18 14	0 23	20 2	0 50	22 26	1 0	21 54	0 2	22 13	1 12	13 31	9 17	22 5	22 0	1 53	17 2	6 10			
T 19	23 25	1 40	5 15	24 11	1 55	21 26	0 6	18 25	0 22	20 1	0 50	22 26	1 0	21 53	0 2	22 13	1 12	13 31	9 17	22 5	21 59	1 56	17 2	6 10			
W20	23 26	3n41	5 2	23 55	1 52	21 15	0s 6	18 37	0 22	20 0	0 50	22 26	1 0	21 53	0 2	22 13	1 12	13 32	9 17	22 5	21 59	1 58	17 2	6 10			
T 21	23 27	8 50	4 31	23 37	1 48	21 5	0 18	18 48	0 21	19 59	0 50	22 26	1 0	21 53	0 2	22 13	1 12	13 32	9 17	22 5	21 59	2 1	17 1	6 10			
F 22	23 27	13 30	3 43	23 17	1 43	20 54	0 31	18 58	0 20	19 58	0 50	22 26	1 0	21 52	0 2	22 13	1 12	13 32	9 17	22 5	21 58	2 3	17 1	6 10			
S 23	23 27	17 23	2 43	22 57	1 38	20 43	0 44	19 9	0 19	19 57	0 49	22 26	1 0	21 52	0 2	22 13	1 12	13 32	9 17	22 6	21 58	2 6	17 1	6 10			
S 24	23 26	20 14	1 33	22 35	1 32	20 33	0 57	19 20	0 19	19 56	0 49	22 27	1 0	21 52	0 2	22 13	1 12	13 32	9 17	22 6	21 57	2 8	17 0	6 10			
M25	23 25	21 53	0 19	22 13	1 26	20 22	1 11	19 30	0 18	19 55	0 49	22 27	1 0	21 51	0 2	22 13	1 12	13 32	9 17	22 6	21 57	2 11	17 0	6 10			
T 26	23 24	22 14	0s54	21 49	1 19	20 12	1 25	19 40	0 17	19 54	0 49	22 27	1 0	21 51	0 2	22 13	1 12	13 32	9 17	22 6	21 56	2 13	17 0	6 10			
W27	23 22	21 19	2 4	21 25	1 11	20 2	1 39	19 50	0 17	19 53	0 49	22 27	1 0	21 51	0 2	22 13	1 12	13 32	9 17	22 6	21 56	2 15	17 0	6 10			
T 28	23 19	17 3	6 21	1 1	3 19	52	1 53	19 59	0 16	19 52	0 48	22 27	0 59	21 50	0 2	22 13	1 12	13 33	9 17	22 5	21 55	2 18	16 59	6 10			
F 29	23 17	16 20	3 57	20 36	0 54	19 42	2 7	20 9	0 15	19 51	0 48	22 27	0 59	21 50	0 2	22 14	1 12	13 33	9 17	22 5	21 55	2 20	16 59	6 10			
S 30	23n14	12n42	4s35	20n10	0n45	19n32	2s21	20n18	0s15	19s51	0n48	22s27	0n59	21s50	0n 2	22n14	1s12	13n33	9s17	22s 4	21s54	2s23	16s59	6n10			

ASTRODIENST EPHEMERIS for the year 1900

geocentric

JULY 1900

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 34 22	8°40'40	24°35	4°24	20°R11	2°II34	2°R11	1°R13	9°R20	27°II11	16°II43	10°R40	9°R35	24°II37	20°R46	S 1
M 2	18 38 18	9°37'52	6°II40	5°30	19°39	3°16	2°R 7	1°R 8	9°R18	27°13	16°44	10°R36	9°31	24°43	20°R42	M 2
T 3	18 42 15	10°35'04	18°37	6°33	19° 6	3°58	2° 2	1° 4	9°16	27°15	16°45	10°33	9°28	24°50	20°39	T 3
W 4	18 46 11	11°32'16	0°30	7°34	18°31	4°41	1°58	1° 0	9°14	27°18	16°47	10°31	9°25	24°57	20°35	W 4
T 5	18 50 8	12°29'28	12°23	8°31	17°56	5°23	1°53	0°56	9°12	27°20	16°48	10°D31	9°22	25° 4	20°31	T 5
F 6	18 54 4	13°26'40	24°22	9°25	17°19	6° 5	1°49	0°51	9°10	27°22	16°49	10°31	9°19	25°10	20°28	F 6
S 7	18 58 1	14°23'51	6°II30	10°16	16°42	6°47	1°45	0°47	9° 9	27°24	16°51	10°33	9°16	25°17	20°24	S 7
S 8	19 1 58	15°21'03	18°52	11° 3	16° 5	7°29	1°41	0°43	9° 7	27°26	16°52	10°34	9°12	25°24	20°21	S 8
M 9	19 5 54	16°18'14	1°R34	11°47	15°27	8°11	1°38	0°39	9° 5	27°28	16°53	10°35	9° 9	25°30	20°17	M 9
T 10	19 9 51	17°15'25	14°36	12°27	14°50	8°53	1°34	0°34	9° 3	27°31	16°54	10°R36	9° 6	25°37	20°14	T 10
W11	19 13 47	18°12'36	28° 2	13° 3	14°13	9°35	1°31	0°30	9° 1	27°33	16°55	10°34	9° 3	25°44	20°11	W11
T 12	19 17 44	19° 9'48	11°R31	13°35	13°36	10°17	1°28	0°26	9° 0	27°35	16°57	10°31	9° 0	25°51	20° 8	T 12
F 13	19 21 40	20° 7'00	26° 0	14° 2	13° 0	10°58	1°25	0°22	8°58	27°37	16°58	10°27	8°56	25°57	20° 4	F 13
S 14	19 25 37	21° 4'12	10°R25	14°26	12°26	11°40	1°22	0°18	8°56	27°39	16°59	10°21	8°53	26° 4	20° 1	S 14
S 15	19 29 33	22° 1'24	25° 0	14°45	11°52	12°21	1°19	0°14	8°55	27°41	17° 0	10°15	8°50	26°11	19°58	S 15
M16	19 33 30	22°58'37	9°R38	15° 0	11°20	13° 3	1°17	0°10	8°53	27°43	17° 1	10° 9	8°47	26°17	19°55	M16
T 17	19 37 27	23°55'50	24°11	15° 9	10°50	13°44	1°14	0° 7	8°52	27°45	17° 3	10° 5	8°44	26°24	19°52	T 17
W18	19 41 23	24°53'04	8°R37	15°14	10°21	14°26	1°12	0° 3	8°50	27°47	17° 4	10° 2	8°41	26°31	19°49	W18
T 19	19 45 20	25°50'19	22°49	15°R15	9°55	15° 7	1°10	29°R59	8°49	27°49	17° 5	10°D 1	8°37	26°38	19°46	T 19
F 20	19 49 16	26°47'35	6°R48	15°10	9°30	15°48	1° 8	29°55	8°47	27°51	17° 6	10° 1	8°34	26°44	19°43	F 20
S 21	19 53 13	27°44'52	20°31	15° 0	9° 8	16°29	1° 7	29°52	8°46	27°53	17° 7	10° 2	8°31	26°51	19°41	S 21
S 22	19 57 9	28°42'09	4°II 1	14°46	8°47	17°11	1° 5	29°48	8°45	27°55	17° 8	10°R 3	8°28	26°58	19°38	S 22
M23	20 1 6	29°39'27	17°18	14°26	8°29	17°52	1° 4	29°45	8°44	27°57	17° 9	10° 3	8°25	27° 4	19°35	M23
T 24	20 5 2	0°36'47	0°32	14° 3	8°14	18°33	1° 3	29°41	8°42	27°59	17°10	10° 1	8°22	27°11	19°33	T 24
W25	20 8 59	1°34'07	13°24	13°34	8° 1	19°13	1° 2	29°38	8°41	28° 1	17°11	9°57	8°18	27°18	19°31	W25
T 26	20 12 56	2°31'27	25°55	13° 2	7°50	19°54	1° 2	29°34	8°40	28° 3	17°12	9°50	8°15	27°25	19°28	T 26
F 27	20 16 52	3°28'49	8°R24	12°26	7°41	20°35	1° 1	29°31	8°39	28° 5	17°13	9°42	8°12	27°31	19°26	F 27
S 28	20 20 49	4°26'11	20°43	11°47	7°35	21°16	1° 1	29°28	8°38	28° 7	17°14	9°32	8° 9	27°38	19°24	S 28
S 29	20 24 45	5°23'33	2°II52	11° 5	7°31	21°56	1°D 1	29°25	8°37	28° 9	17°15	9°22	8° 6	27°45	19°21	S 29
M30	20 28 42	6°20'57	14°53	10°22	7°D30	22°37	1° 1	29°22	8°36	28°11	17°16	9°12	8° 2	27°52	19°19	M30
T 31	20 32 38	7°R18'21	26°II47	9°R37	7°31	23°II17	1°R 1	29°R18	8°R35	28°II12	17°II17	9°R 4	7°R59	27°II58	19°R17	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	
S 1	23n10	8n36	5 s 0	19n44	0n35	19n22	2s35	20n27	0s14	19s50	0n48	22s28	0n59	21s49	0n 2	22n14
M 2	23 6	4 14	5 12	19 18	0 25	19 13	2 50	20 36	0 13	19 49	0 48	22 28	0 59	21 49	0 2	22 14
T 3	23 2	0s15	5 10	18 52	0 14	19 4	3 4	20 45	0 12	19 48	0 47	22 28	0 59	21 49	0 2	22 14
W 4	22 57	4 42	4 54	18 26	0 2	18 55	3 17	20 53	0 12	19 48	0 47	22 28	0 59	21 49	0 2	22 14
T 5	22 52	8 58	4 26	18 0	0s 9	18 46	3 31	21 2	0 11	19 47	0 47	22 28	0 59	21 48	0 2	22 14
F 6	22 46	12 57	3 46	17 34	0 21	18 37	3 45	21 10	0 10	19 46	0 47	22 28	0 59	21 48	0 2	22 14
S 7	22 40	16 27	2 55	17 8	0 34	18 29	3 58	21 18	0 10	19 46	0 47	22 28	0 59	21 48	0 2	22 14
S 8	22 34	19 18	1 56	16 43	0 47	18 20	4 10	21 26	0 9	19 45	0 46	22 29	0 58	21 47	0 2	22 14
M 9	22 27	21 17	0 49	16 18	1 0	18 13	4 23	21 33	0 8	19 45	0 46	22 29	0 58	21 47	0 2	22 14
T 10	22 20	22 12	0n22	15 54	1 13	18 5	4 34	21 40	0 7	19 44	0 46	22 29	0 58	21 47	0 2	22 14
W11	22 13	21 53	1 33	15 31	1 27	17 58	4 45	21 47	0 7	19 44	0 46	22 29	0 58	21 47	0 2	22 14
T 12	22 5	20 14	2 42	15 9	1 41	17 51	4 56	21 54	0 6	19 43	0 45	22 29	0 58	21 46	0 2	22 14
F 13	21 57	17 20	3 41	14 47	1 55	17 44	5 6	22 1	0 5	19 43	0 45	22 29	0 58	21 46	0 2	22 14
S 14	21 48	13 20	4 28	14 27	2 9	17 38	5 15	22 7	0 4	19 43	0 45	22 29	0 58	21 46	0 2	22 14
S 15	21 39	8 30	4 58	14 8	2 24	17 32	5 24	22 14	0 4	19 42	0 45	22 29	0 58	21 46	0 2	22 14
M16	21 30	3 12	5 9	13 50	2 38	17 27	5 32	22 20	0 3	19 42	0 45	22 30	0 57	21 45	0 2	22 14
T 17	21 20	2n17	5 0	13 33	2 52	17 22	5 39	22 26	0 2	19 42	0 44	22 30	0 58	21 45	0 2	22 14
W18	21 10	7 34	4 32	13 18	3 6	17 18	5 46	22 31	0 1	19 42	0 44	22 30	0 57	21 45	0 2	22 14
T 19	20 59	12 23	3 47	13 5	3 20	17 14	5 52	22 37	0 1	19 41	0 44	22 30	0 57	21 45	0 2	22 14
F 20	20 49	16 28	2 50	12 54	3 33	17 10	5 57	22 42	0n 0	19 41	0 44	22 30	0 57	21 45	0 2	22 14
S 21	20 37	19 33	1 43	12 44	3 46	17 7	6 2	22 47	0 1	19 41	0 43	22 30	0 57	21 44	0 2	22 14
S 22	20 26	21 30	0 32	12 37	3 58	17 4	6 6	22 52	0 2	19 41	0 43	22 30	0 57	21 44	0 2	22 14
M23	20 14	22 12	0s39	12 32	4 9	17 2	6 10	22 56	0 2	19 41	0 43	22 30	0 57	21 44	0 2	22 14
T 24	20 2	21 40	1 47	12 28	4 20	17 0	6 12	23 1	0 3	19 41	0 43	22 31	0 56	21 44	0 2	22 14
W25	19 49	20 0	2 49	12 27	4 29	16 59	6 15	23 5	0 4	19 41	0 42	22 31	0 56	21 44	0 2	22 14
T 26	19 36	17 22	3 41	12 28	4 38	16 58	6 16	23 9	0 5	19 41	0 42	22 31	0 56	21 44	0 2	22 14
F 27	19 23	13 58	4 21	12 31	4 45	16 57	6 17	23 13	0 6	19 41	0 42	22 31	0 56	21 43	0 2	22 14
S 28	19 10	10 2	4 49	12 37	4 50	16 57	6 18	23 16	0 6	19 41	0 42	22 31	0 56	21 43	0 2	22 14
S 29	18 56	5 45	5 3	12 44	4 54	16 57	6 18	23 19	0 7	19 42	0 42	22 31	0 56	21 43	0 2	22 14
M30	18 42	1 18	5 3	12 54	4 56	16 57	6 17	23 23	0 8	19 42	0 41	22 31	0 56	21 43	0 2	22 14
T 31	18n27	3s10	4s50	13n 5	4s57	16n58	6s17	23n26	0n 9	19s42	0n41	22s31	0n56	21s43	0n 2	22n14

Julian Day Number = 2415201.5, Delta T = -1.40 sec
 Ecliptic obliquity = 23°27'04, Nutation = 0°00'17, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°21'02, Lahiri = 22°28'03

ASTRODIENST EPHEMERIS for the year 1900

geocentric

AUGUST 1900

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	20 36 35	8♌15'46	8♌38	8♌R52	7♌34	23♌58	1♌2	29♌R16	8♌R34	28♌14	17♌18	8♌R57	7♌56	28♌5	19♌R15	W 1
T 2	20 40 31	9♌13'11	20°29	8♌7	7°40	24°38	1°2	29♌13	8♌33	28°16	17°19	8♌53	7°53	28°12	19♌14	T 2
F 3	20 44 28	10°10'37	2♌25	7°23	7°47	25°18	1°3	29°10	8°33	28°18	17°20	8°51	7°50	28°18	19°12	F 3
S 4	20 48 25	11°8'04	14°31	6°42	7°57	25°58	1°4	29°7	8°32	28°20	17°21	8°D51	7°47	28°25	19°10	S 4
S 5	20 52 21	12°5'31	26°51	6°3	8°9	26°39	1°5	29°5	8°31	28°21	17°22	8°52	7°43	28°32	19°9	S 5
M 6	20 56 18	13°3'00	9♌32	5°28	8°22	27°19	1°7	29°2	8°31	28°23	17°23	8°R52	7°40	28°39	19°7	M 6
T 7	21 0 14	14°0'29	22°36	4°57	8°38	27°59	1°8	29°0	8°30	28°25	17°24	8°51	7°37	28°45	19°6	T 7
W 8	21 4 11	14°57'59	6♌7	4°32	8°56	28°38	1°10	28°57	8°30	28°26	17°25	8°48	7°34	28°52	19°4	W 8
T 9	21 8 7	15°55'30	20°7	4°11	9°15	29°18	1°12	28°55	8°29	28°28	17°25	8°43	7°31	28°59	19°3	T 9
F 10	21 12 4	16°53'02	4♌32	3°57	9°37	29°58	1°14	28°53	8°29	28°30	17°26	8°36	7°28	29°5	19°2	F 10
S 11	21 16 0	17°50'34	19°18	3°50	10°0	0♌38	1°16	28°50	8°28	28°31	17°27	8°26	7°24	29°12	19°1	S 11
S 12	21 19 57	18°48'08	4♌16	3°D49	10°25	1°17	1°19	28°48	8°28	28°33	17°28	8°16	7°21	29°19	19°0	S 12
M13	21 23 54	19°45'43	19°19	3°55	10°51	1°57	1°21	28°46	8°28	28°34	17°28	8°6	7°18	29°25	18°59	M13
T 14	21 27 50	20°43'20	4♌15	4°8	11°19	2°36	1°24	28°44	8°27	28°36	17°29	7°58	7°15	29°32	18°58	T 14
W15	21 31 47	21°40'58	18°56	4°29	11°49	3°15	1°27	28°43	8°27	28°37	17°30	7°53	7°12	29°39	18°57	W15
T 16	21 35 43	22°38'38	3♌19	4°56	12°20	3°55	1°30	28°41	8°27	28°39	17°31	7°49	7°8	29°46	18°57	T 16
F 17	21 39 40	23°36'19	17°20	5°31	12°52	4°34	1°33	28°39	8°27	28°40	17°31	7°48	7°5	29°52	18°56	F 17
S 18	21 43 36	24°34'02	1♌0	6°14	13°26	5°13	1°37	28°38	8°D27	28°42	17°32	7°48	7°2	29°59	18°56	S 18
S 19	21 47 33	25°31'47	14°19	7°3	14°1	5°52	1°40	28°36	8°27	28°43	17°32	7°48	6°59	0♌6	18°55	S 19
M20	21 51 29	26°29'33	27°21	7°59	14°37	6°31	1°44	28°35	8°27	28°45	17°33	7°47	6°56	0°12	18°55	M20
T 21	21 55 26	27°27'21	10♌8	9°2	15°15	7°10	1°48	28°34	8°27	28°46	17°34	7°43	6°53	0°19	18°55	T 21
W22	21 59 23	28°25'11	22°43	10°11	15°53	7°49	1°52	28°33	8°28	28°47	17°34	7°37	6°49	0°26	18°55	W22
T 23	22 3 19	29°23'02	5♌8	11°27	16°33	8°28	1°57	28°31	8°28	28°49	17°35	7°28	6°46	0°33	18°D55	T 23
F 24	22 7 16	0♌20'55	17°23	12°48	17°14	9°6	2°1	28°31	8°28	28°50	17°35	7°16	6°43	0°39	18°55	F 24
S 25	22 11 12	1°18'49	29°31	14°14	17°56	9°45	2°6	28°30	8°28	28°51	17°36	7°3	6°40	0°46	18°55	S 25
S 26	22 15 9	2°16'45	11♌32	15°45	18°39	10°23	2°11	28°29	8°29	28°52	17°36	6°49	6°37	0°53	18°55	S 26
M27	22 19 5	3°14'42	23°28	17°21	19°23	11°2	2°16	28°28	8°29	28°53	17°37	6°35	6°33	0°59	18°56	M27
T 28	22 23 2	4°12'41	5♌19	19°1	20°8	11°40	2°21	28°28	8°30	28°55	17°37	6°23	6°30	1°6	18°56	T 28
W29	22 26 58	5°10'41	17°9	20°44	20°53	12°18	2°26	28°27	8°30	28°56	17°38	6°14	6°27	1°13	18°57	W29
T 30	22 30 55	6°8'42	28°59	22°30	21°40	12°57	2°31	28°27	8°31	28°57	17°38	6°7	6°24	1°20	18°57	T 30
F 31	22 34 52	7♌6'46	10♌54	24♌19	22♌27	13♌35	2♌37	28♌26	8♌32	28♌58	17♌39	6♌3	6♌21	1♌26	18♌58	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	18n13	7s29	4s25	13n18	4s55	16n59	6s15	23n28	0n10	19s42	0n41	22s32	0n55	21s43	0n2	22n14
T 2	17 57	11 32	3 49	13 32	4 52	17 1	6 14	23 31	0 10	19 43	0 41	22 32	0 55	21 43	0 2	22 14
F 3	17 42	15 10	3 2	13 48	4 47	17 2	6 12	23 33	0 11	19 43	0 40	22 32	0 55	21 42	0 2	22 14
S 4	17 27	18 13	2 6	14 5	4 41	17 4	6 9	23 35	0 12	19 44	0 40	22 32	0 55	21 42	0 2	22 14
S 5	17 11	20 30	1 4	14 22	4 32	17 6	6 7	23 37	0 13	19 44	0 40	22 32	0 55	21 42	0 2	22 14
M 6	16 54	21 50	0n4	14 40	4 22	17 8	6 4	23 39	0 14	19 45	0 40	22 32	0 55	21 42	0 2	22 14
T 7	16 38	22 2	1 13	14 58	4 11	17 10	6 1	23 41	0 14	19 45	0 40	22 32	0 55	21 42	0 2	22 14
W 8	16 21	20 59	2 20	15 17	3 58	17 13	5 57	23 42	0 15	19 46	0 39	22 32	0 54	21 42	0 2	22 14
T 9	16 4	18 38	3 21	15 35	3 44	17 15	5 53	23 43	0 16	19 46	0 39	22 33	0 54	21 42	0 2	22 14
F 10	15 47	15 5	4 11	15 53	3 30	17 18	5 49	23 44	0 17	19 47	0 39	22 33	0 54	21 42	0 2	22 14
S 11	15 30	10 31	4 45	16 10	3 14	17 20	5 45	23 45	0 18	19 48	0 39	22 33	0 54	21 42	0 2	22 14
S 12	15 12	5 16	5 1	16 26	2 58	17 23	5 41	23 45	0 18	19 48	0 38	22 33	0 54	21 42	0 2	22 14
M13	14 54	0n19	4 56	16 41	2 41	17 25	5 36	23 45	0 19	19 49	0 38	22 33	0 54	21 42	0 2	22 14
T 14	14 36	5 50	4 31	16 54	2 24	17 28	5 31	23 46	0 20	19 50	0 38	22 33	0 53	21 42	0 2	22 14
W15	14 17	10 56	3 48	17 6	2 7	17 30	5 26	23 46	0 21	19 51	0 38	22 33	0 53	21 42	0 2	22 14
T 16	13 58	15 19	2 52	17 16	1 49	17 33	5 21	23 45	0 22	19 51	0 38	22 34	0 53	21 42	0 2	22 14
F 17	13 40	18 43	1 46	17 24	1 32	17 35	5 16	23 45	0 23	19 52	0 37	22 34	0 53	21 42	0 2	22 14
S 18	13 20	20 57	0 36	17 31	1 15	17 37	5 11	23 44	0 23	19 53	0 37	22 34	0 53	21 42	0 2	22 14
S 19	13 1	21 58	0s34	17 34	0 59	17 39	5 6	23 44	0 24	19 54	0 37	22 34	0 53	21 42	0 2	22 14
M20	12 41	21 44	1 42	17 36	0 42	17 41	5 0	23 43	0 25	19 55	0 37	22 34	0 53	21 42	0 2	22 14
T 21	12 22	20 22	2 42	17 34	0 27	17 42	4 55	23 41	0 26	19 56	0 37	22 34	0 52	21 42	0 2	22 14
W22	12 2	18 2	3 34	17 31	0 12	17 43	4 49	23 40	0 27	19 57	0 36	22 34	0 52	21 42	0 2	22 14
T 23	11 42	14 53	4 14	17 24	0n2	17 44	4 43	23 38	0 28	19 58	0 36	22 35	0 52	21 42	0 2	22 14
F 24	11 21	11 9	4 42	17 14	0 16	17 45	4 37	23 37	0 29	19 59	0 36	22 35	0 52	21 42	0 2	22 14
S 25	11 1	7 0	4 57	17 1	0 29	17 46	4 31	23 35	0 29	20 1	0 36	22 35	0 52	21 42	0 2	22 14
S 26	10 40	2 38	4 59	16 46	0 40	17 46	4 25	23 33	0 30	20 2	0 35	22 35	0 52	21 42	0 2	22 14
M27	10 19	1s48	4 47	16 27	0 51	17 46	4 19	23 31	0 31	20 3	0 35	22 35	0 51	21 42	0 2	22 14
T 28	9 58	6 8	4 23	16 6	1 1	17 46	4 13	23 28	0 32	20 4	0 35	22 35	0 51	21 42	0 2	22 14
W29	9 37	10 14	3 48	15 42	1 10	17 45	4 7	23 26	0 33	20 5	0 35	22 35	0 51	21 42	0 2	22 14
T 30	9 16	13 57	3 2	15 15	1 18	17 44	4 1	23 23	0 34	20 7	0 35	22 36	0 51	21 42	0 2	22 14
F 31	8n54	17s8	2s9	14n45	1n25	17n43	3s55	23n20	0n35	20s8	0n34	22s36	0n51	21s43	0n2	22n14

Julian Day Number = 2415232.5, Delta T = -1.30 sec

Ecliptic obliquity = 23°27'05, Nutation = 0°00'17, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°21'07, Lahiri = 22°28'07

ASTRODIENST EPHEMERIS for the year 1900

geocentric

SEPTEMBER 1900

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 38 48	8 ^h 45'0	22 ^m 57	26 ^h 10	23 ^h 16	14 ^h 13	2 ^h 43	28°R26	8 ^h 32	28 ^h 59	17 ^h 39	6°R 2	6 ^h 18	1 ^h 33	18 ^h 59	S 1
S 2	22 42 45	9° 2'56	5 ^h 15	28° 3	24° 5	14°51	2°49	28 ^h 26	8°33	29° 0	17°39	6 ^h 1	6°14	1°40	19° 0	S 2
M 3	22 46 41	10° 1'04	17°51	29°57	24°54	15°28	2°55	28°D26	8°34	29° 1	17°40	6° 1	6°11	1°46	19° 1	M 3
T 4	22 50 38	10°59'12	0 ^h 51	1 ^h 52	25°45	16° 6	3° 1	28°26	8°35	29° 2	17°40	6° 0	6° 8	1°53	19° 2	T 4
W 5	22 54 34	11°57'23	14°19	3°47	26°36	16°44	3° 7	28°26	8°36	29° 3	17°40	5°57	6° 5	2° 0	19° 3	W 5
T 6	22 58 31	12°55'35	28°17	5°43	27°28	17°21	3°14	28°27	8°37	29° 4	17°40	5°52	6° 2	2° 7	19° 4	T 6
F 7	23 2 27	13°53'48	12 ^h 45	7°39	28°20	17°59	3°21	28°27	8°38	29° 5	17°41	5°44	5°59	2°13	19° 5	F 7
S 8	23 6 24	14°52'03	27°37	9°35	29°13	18°36	3°27	28°27	8°39	29° 5	17°41	5°34	5°55	2°20	19° 7	S 8
S 9	23 10 21	15°50'19	12 ^h 48	11°31	0 ^h 7	19°14	3°34	28°28	8°40	29° 6	17°41	5°23	5°52	2°27	19° 8	S 9
M10	23 14 17	16°48'37	28° 6	13°26	1° 1	19°51	3°41	28°29	8°41	29° 7	17°41	5°13	5°49	2°33	19°10	M10
T 11	23 18 14	17°46'58	13°Y19	15°20	1°56	20°28	3°49	28°29	8°42	29° 8	17°41	5° 4	5°46	2°40	19°12	T 11
W12	23 22 10	18°45'20	28°18	17°13	2°52	21° 5	3°56	28°30	8°43	29° 8	17°42	4°57	5°43	2°47	19°13	W12
T 13	23 26 7	19°43'44	12 ^h 56	19° 6	3°48	21°42	4° 3	28°31	8°45	29° 9	17°42	4°54	5°39	2°53	19°15	T 13
F 14	23 30 3	20°42'11	27° 7	20°58	4°44	22°19	4°11	28°32	8°46	29°10	17°42	4°52	5°36	3° 0	19°17	F 14
S 15	23 34 0	21°40'39	10 ^h 52	22°49	5°41	22°55	4°19	28°33	8°48	29°10	17°42	4°D52	5°33	3° 7	19°19	S 15
S 16	23 37 56	22°39'10	24°12	24°39	6°39	23°32	4°27	28°35	8°49	29°11	17°42	4°R52	5°30	3°14	19°21	S 16
M17	23 41 53	23°37'43	7 ^h 10	26°28	7°37	24° 9	4°35	28°36	8°51	29°12	17°42	4°51	5°27	3°20	19°24	M17
T 18	23 45 50	24°36'19	19°49	28°16	8°35	24°45	4°43	28°37	8°52	29°12	17°R42	4°49	5°24	3°27	19°26	T 18
W19	23 49 46	25°34'56	2 ^h 14	0 ^h 3	9°34	25°22	4°51	28°39	8°54	29°13	17°42	4°43	5°20	3°34	19°28	W19
T 20	23 53 43	26°33'36	14°28	1°49	10°33	25°58	4°59	28°41	8°55	29°13	17°42	4°35	5°17	3°40	19°31	T 20
F 21	23 57 39	27°32'17	26°33	3°34	11°33	26°34	5° 8	28°42	8°57	29°13	17°42	4°25	5°14	3°47	19°33	F 21
S 22	0 1 36	28°31'01	8 ^h 32	5°18	12°33	27°10	5°17	28°44	8°59	29°14	17°42	4°13	5°11	3°54	19°36	S 22
S 23	0 5 32	29°29'47	20°27	7° 1	13°34	27°46	5°25	28°46	9° 1	29°14	17°42	4° 1	5° 8	4° 1	19°39	S 23
M24	0 9 29	0 ^h 28'35	2 ^h 19	8°43	14°35	28°22	5°34	28°48	9° 2	29°14	17°42	3°49	5° 5	4° 7	19°42	M24
T 25	0 13 25	1°27'25	14° 9	10°24	15°36	28°58	5°43	28°50	9° 4	29°15	17°41	3°38	5° 1	4°14	19°44	T 25
W26	0 17 22	2°26'16	26° 0	12° 4	16°38	29°33	5°52	28°52	9° 6	29°15	17°41	3°29	4°58	4°21	19°47	W26
T 27	0 21 18	3°25'10	7 ^h 53	13°44	17°40	0 ^h 9	6° 2	28°55	9° 8	29°15	17°41	3°24	4°55	4°27	19°50	T 27
F 28	0 25 15	4°24'06	19°50	15°22	18°42	0°44	6°11	28°57	9°10	29°15	17°41	3°20	4°52	4°34	19°54	F 28
S 29	0 29 12	5°23'03	1 ^h 57	16°59	19°45	1°19	6°20	29° 0	9°12	29°15	17°41	3°D19	4°49	4°41	19°57	S 29
S 30	0 33 8	6 ^h 22'03	14 ^h 15	18 ^h 36	20 ^h 48	1 ^h 55	6 ^h 30	29 ^h 2	9 ^h 14	29 ^h 16	17 ^h 40	3 ^h 20	4 ^h 45	4 ^h 47	20 ^h 0	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	8n33	19s38	1 s 9	14n14	1n31	17n41	3 s49	23n17	0n35	20s 9	0n34	22s36	0n51	21s43	0n 2	22n14	1s13	13n31	9s24	21s19	21s22	4s53	17s 9	5n52							
S 2	8 11	21 15	0 4	13 39	1 36	17 39	3 43	23 14	0 36	20 11	0 34	22 36	0 50	21 43	0 2	22 14	1 13	13 31	9 24	21 19	21 22	4 56	17 10	5 51							
M 3	7 49	21 52	1n 2	13 3	1 40	17 37	3 36	23 10	0 37	20 12	0 34	22 36	0 50	21 43	0 2	22 14	1 13	13 31	9 24	21 19	21 21	4 58	17 10	5 51							
T 4	7 27	21 20	2 7	12 25	1 43	17 34	3 30	23 7	0 38	20 13	0 34	22 36	0 50	21 43	0 2	22 14	1 13	13 31	9 24	21 19	21 21	5 0	17 11	5 50							
W 5	7 5	19 34	3 8	11 46	1 45	17 31	3 24	23 3	0 39	20 15	0 33	22 37	0 50	21 43	0 2	22 14	1 13	13 31	9 24	21 19	21 20	5 3	17 11	5 50							
T 6	6 43	16 37	3 59	11 4	1 47	17 27	3 18	22 59	0 40	20 16	0 33	22 37	0 50	21 43	0 2	22 14	1 13	13 31	9 25	21 18	21 19	5 5	17 12	5 49							
F 7	6 20	12 33	4 37	10 22	1 48	17 23	3 11	22 55	0 41	20 18	0 33	22 37	0 50	21 44	0 2	22 14	1 13	13 30	9 25	21 16	21 19	5 7	17 12	5 49							
S 8	5 58	7 38	4 58	9 38	1 48	17 18	3 5	22 51	0 42	20 19	0 33	22 37	0 50	21 44	0 2	22 14	1 13	13 30	9 25	21 15	21 18	5 9	17 13	5 49							
S 9	5 35	2 10	4 58	8 54	1 47	17 13	2 59	22 46	0 43	20 21	0 33	22 37	0 49	21 44	0 2	22 14	1 13	13 30	9 25	21 13	21 18	5 12	17 13	5 48							
M10	5 13	3n29	4 38	8 9	1 46	17 8	2 53	22 42	0 43	20 22	0 33	22 37	0 49	21 44	0 2	22 14	1 13	13 30	9 25	21 11	21 17	5 14	17 14	5 48							
T 11	4 50	8 54	3 57	7 23	1 44	17 2	2 46	22 37	0 44	20 24	0 32	22 38	0 49	21 44	0 2	22 14	1 13	13 30	9 25	21 9	21 17	5 16	17 14	5 47							
W12	4 27	13 41	3 1	6 36	1 41	16 56	2 40	22 33	0 45	20 25	0 32	22 38	0 49	21 45	0 1	22 14	1 13	13 30	9 25	21 8	21 16	5 19	17 15	5 47							
T 13	4 4	17 32	1 53	5 49	1 38	16 49	2 34	22 28	0 46	20 27	0 32	22 38	0 49	21 45	0 1	22 14	1 13	13 29	9 26	21 7	21 16	5 21	17 16	5 47							
F 14	3 41	20 11	0 41	5 2	1 35	16 42	2 28	22 23	0 47	20 28	0 32	22 38	0 49	21 45	0 1	22 14	1 13	13 29	9 26	21 7	21 15	5 23	17 16	5 46							
S 15	3 18	21 34	0s32	4 15	1 31	16 34	2 22	22 18	0 48	20 30	0 32	22 38	0 48	21 45	0 1	22 14	1 13	13 29	9 26	21 7	21 14	5 26	17 17	5 46							
S 16	2 55	21 39	1 41	3 27	1 27	16 26	2 16	22 12	0 49	20 32	0 31	22 38	0 48	21 45	0 1	22 14	1 13	13 29	9 26	21 7	21 14	5 28	17 17	5 45							
M17	2 32	20 33	2 43	2 40	1 22	16 17	2 10	22 7	0 50	20 33	0 31	22 39	0 48	21 46	0 1	22 14	1 13	13 29	9 26	21 7	21 13	5 30	17 18	5 45							
T 18	2 9	18 27	3 35	1 52	1 17	16 8	2 4	22 1	0 51	20 35	0 31	22 39	0 48	21 46	0 1	22 14	1 13	13 29	9 26	21 6	21 13	5 32	17 18	5 44							
W19	1 45	15 31	4 16	1 5	1 12	15 59	1 58	21 56	0 52	20 37	0 31	22 39	0 48	21 46	0 1	22 14	1 13	13 29	9 27	21 6	21 12	5 35	17 19	5 44							
T 20	1 22	11 58	4 44	0 17	1 6	15 49	1 52	21 50	0 53	20 38	0 31	22 39	0 48	21 47	0 1	22 14	1 13	13 28	9 27	21 4	21 12	5 37	17 20	5 44							
F 21	0 59	7 58	4 59	0s30	1 1	15 38	1 46	21 44	0 54	20 40	0 31	22 39	0 48	21 47	0 1	22 14	1 13	13 28	9 27	21 2	21 11	5 39	17 20	5 43							
S 22	0 35	3 43	5 1	1 16	0 55	15 27	1 40	21 38	0 55	20 42	0 30	22 39	0 47	21 47	0 1	22 14	1 13	13 28	9 27	21 0	21 10	5 42	17 21	5 43							
S 23	0 12	0s40	4 50	2 3	0 48	15 16	1 34	21 32	0 56	20 43	0 30	22 40	0 47	21 47	0 1	22 14	1 13	13 28	9 27	20 58	21 10	5 44	17 21	5 42							
M24	0s11	4 59	4 26	2 49	0 42	15 4	1 28	21 25	0 57	20 45	0 30	22 40	0 47	21 48	0 1	22 14	1 13	13 28	9 27	20 55	21 9	5 46	17 22	5 42							
T 25	0 35	9 8	3 51	3 35	0 36	14 51	1 22	21 19	0 58	20 47	0 30	22 40	0 47	21 48	0 1	22 13	1 13	13 28	9 28	20 53	21 9	5 48	17 23	5 42							
W26	0 58	12 55	3 6	4 20	0 29	14 39	1 17	21 12	0 58	20 49	0 30	22 40	0 47	21 48	0 1	22 13	1 13	13 27	9 28	20 52	21 8	5 51	17 23	5 41							
T 27	1 22	16 13	2 12	5 5	0 22	14 25	1 11	21 6	0 59	20 50	0 30	22 40	0 47	21 49	0 1	22 13	1 14	13 27	9 28	20 51	21 8	5 53	17 24	5 41							
F 28	1 45	18 51	1 12	5 49	0 15	14 11	1 5	20 59	1 0	20 52	0 29	22 40	0 46	21 49	0 1	22 13	1 14	13 27	9 28	20 50	21 7	5 55	17 24	5 41							
S 29	2 8	20 41	0 7	6 33	0 8	13 57	1 0	20 52	1 1	20 54	0 29	22 41	0 46	21 49	0 1	22 13	1 14	13 27	9 28	20 50	21 6	5 57	17 25	5 40							
S 30	2s32	21s33	0n58	7s16	0n 1	13n43	0s54	20n46	1n 2	20s56	0n29	22s41	0n46	21s50	0n 1	22n13	1s14	13n27	9s28	20s50	21s 6	6s 0	17s26	5n40							

ASTRODIENST EPHEMERIS for the year 1900
geocentric

OCTOBER 1900

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	0 37 5	7♏21°04	26♊50	20♏12	21♏51	2♏30	6♊40	29♊5	9♊17	29♏16	17°R40	3♊21	4♊42	4♏54	20♊3	M 1
T 2	0 41 1	8°20'07	9♊36	21°46	22°55	3°5	6°49	29°8	9°19	29°16	17♏40	3°R21	4°39	5°1	20°7	T 2
W 3	0 44 58	9°19'11	23°7	23°21	23°59	3°39	6°59	29°10	9°21	29°R16	17°39	3°20	4°36	5°8	20°10	W 3
T 4	0 48 54	10°18'18	6♊56	24°54	25°3	4°14	7°9	29°13	9°23	29°16	17°39	3°17	4°33	5°14	20°14	T 4
F 5	0 52 51	11°17'26	21°14	26°26	26°8	4°49	7°19	29°16	9°26	29°16	17°39	3°12	4°30	5°21	20°18	F 5
S 6	0 56 47	12°16'36	5♊58	27°58	27°12	5°23	7°30	29°19	9°28	29°16	17°38	3°5	4°26	5°28	20°21	S 6
S 7	1 0 44	13°15'47	21°2	29°29	28°18	5°57	7°40	29°23	9°30	29°15	17°38	2°58	4°23	5°34	20°25	S 7
M 8	1 4 41	14°15'01	6♊19	0♏59	29°23	6°32	7°50	29°26	9°33	29°15	17°38	2°50	4°20	5°41	20°29	M 8
T 9	1 8 37	15°14'17	21°36	2°28	0♏28	7°6	8°1	29°29	9°35	29°15	17°37	2°44	4°17	5°48	20°33	T 9
W10	1 12 34	16°13'34	6♊44	3°56	1°34	7°40	8°11	29°33	9°38	29°15	17°37	2°39	4°14	5°55	20°37	W10
T 11	1 16 30	17°12'54	21°32	5°24	2°40	8°14	8°22	29°36	9°40	29°15	17°36	2°37	4°10	6°1	20°41	T 11
F 12	1 20 27	18°12'17	5♏55	6°51	3°47	8°47	8°33	29°40	9°43	29°14	17°36	2°D37	4°7	6°8	20°45	F 12
S 13	1 24 23	19°11'41	19°51	8°17	4°53	9°21	8°44	29°44	9°45	29°14	17°35	2°38	4°4	6°15	20°49	S 13
S 14	1 28 20	20°11'08	3♏18	9°42	6°0	9°54	8°54	29°47	9°48	29°14	17°35	2°39	4°1	6°21	20°54	S 14
M15	1 32 16	21°10'37	16°21	11°6	7°7	10°28	9°6	29°51	9°51	29°13	17°34	2°R40	3°58	6°28	20°58	M15
T 16	1 36 13	22°10'09	29°1	12°30	8°14	11°1	9°17	29°55	9°54	29°13	17°33	2°40	3°55	6°35	21°3	T 16
W17	1 40 10	23°9'43	11♏24	13°52	9°22	11°34	9°28	29°59	9°56	29°12	17°33	2°38	3°51	6°41	21°7	W17
T 18	1 44 6	24°9'19	23°33	15°14	10°30	12°7	9°39	0♏3	9°59	29°12	17°32	2°34	3°48	6°48	21°12	T 18
F 19	1 48 3	25°8'57	5♏33	16°34	11°37	12°40	9°50	0°7	10°2	29°11	17°32	2°29	3°45	6°55	21°16	F 19
S 20	1 51 59	26°8'37	17°27	17°53	12°46	13°12	10°2	0°12	10°5	29°11	17°31	2°23	3°42	7°2	21°21	S 20
S 21	1 55 56	27°8'20	29°18	19°12	13°54	13°45	10°13	0°16	10°8	29°10	17°30	2°16	3°39	7°8	21°26	S 21
M22	1 59 52	28°8'05	11♏9	20°29	15°2	14°17	10°25	0°20	10°11	29°10	17°30	2°10	3°36	7°15	21°30	M22
T 23	2 3 49	29°7'52	23°1	21°44	16°11	14°49	10°37	0°25	10°14	29°9	17°29	2°4	3°32	7°22	21°35	T 23
W24	2 7 45	0♏7'41	4♏56	22°58	17°20	15°21	10°48	0°29	10°17	29°8	17°28	1°59	3°29	7°28	21°40	W24
T 25	2 11 42	1°7'31	16°57	24°11	18°29	15°53	11°0	0°34	10°20	29°7	17°27	1°57	3°26	7°35	21°45	T 25
F 26	2 15 38	2°7'24	29°4	25°22	19°38	16°25	11°12	0°39	10°23	29°7	17°27	1°D56	3°23	7°42	21°50	F 26
S 27	2 19 35	3°7'19	11♊20	26°31	20°47	16°56	11°24	0°44	10°26	29°6	17°26	1°56	3°20	7°48	21°55	S 27
S 28	2 23 32	4°7'15	23°48	27°38	21°57	17°27	11°36	0°48	10°29	29°5	17°25	1°57	3°16	7°55	22°0	S 28
M29	2 27 28	5°7'13	6♏39	28°42	23°6	17°58	11°48	0°53	10°32	29°4	17°24	1°59	3°13	8°2	22°6	M29
T 30	2 31 25	6°7'13	19°28	29°44	24°16	18°29	12°0	0°58	10°35	29°3	17°23	2°1	3°10	8°8	22°11	T 30
W31	2 35 21	7♏7'15	2♊47	0♊43	25♏26	19♏0	12♊13	1♏3	10♊38	29♏3	17♏23	2°R1	3♊7	8♏15	22♊16	W31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	lat
M 1	2s55	21s22	2n 3	7s59	0s 6	13n27	0s49	20n39	1n 3	20s57	0n29	22s41	0n46	21s50	0n 1	22n13	1s14	13n26	9s29	20s50	21s 5	6s 2	17s26	5n39
T 2	3 18	20 3	3 3	8 41	0 13	13 12	0 43	20 31	1 4	20 59	0 29	22 41	0 46	21 50	0 1	22 13	1 14	13 26	9 29	20 50	21 5	6 4	17 27	5 39
W 3	3 42	17 37	3 55	9 23	0 20	12 56	0 38	20 24	1 5	21 1	0 29	22 41	0 46	21 51	0 1	22 13	1 14	13 26	9 29	20 50	21 4	6 6	17 27	5 39
T 4	4 5	14 6	4 35	10 4	0 27	12 40	0 33	20 17	1 6	21 3	0 28	22 41	0 46	21 51	0 1	22 13	1 14	13 26	9 29	20 49	21 4	6 9	17 28	5 38
F 5	4 28	9 41	5 0	10 44	0 34	12 23	0 28	20 10	1 7	21 5	0 28	22 42	0 45	21 51	0 1	22 13	1 14	13 26	9 29	20 48	21 3	6 11	17 29	5 38
S 6	4 51	4 34	5 7	11 24	0 41	12 5	0 23	20 2	1 8	21 7	0 28	22 42	0 45	21 52	0 1	22 13	1 14	13 26	9 29	20 47	21 2	6 13	17 29	5 38
S 7	5 14	0n55	4 52	12 3	0 49	11 48	0 18	19 55	1 9	21 8	0 28	22 42	0 45	21 52	0 1	22 13	1 14	13 25	9 29	20 46	21 2	6 15	17 30	5 37
M 8	5 37	6 26	4 17	12 41	0 56	11 30	0 13	19 47	1 10	21 10	0 28	22 42	0 45	21 52	0 1	22 13	1 14	13 25	9 30	20 44	21 1	6 18	17 31	5 37
T 9	6 0	11 34	3 23	13 19	1 3	11 11	0 8	19 40	1 12	21 12	0 28	22 42	0 45	21 53	0 1	22 13	1 14	13 25	9 30	20 43	21 1	6 20	17 31	5 37
W10	6 23	15 54	2 15	13 56	1 10	10 52	0 3	19 32	1 13	21 14	0 27	22 42	0 45	21 53	0 1	22 13	1 14	13 25	9 30	20 42	21 0	6 22	17 32	5 36
T 11	6 46	19 7	1 0	14 32	1 16	10 33	0n 2	19 24	1 14	21 16	0 27	22 42	0 45	21 54	0 1	22 13	1 14	13 25	9 30	20 42	20 59	6 24	17 32	5 36
F 12	7 9	21 1	0s18	15 7	1 23	10 13	0 6	19 16	1 15	21 18	0 27	22 43	0 44	21 54	0 1	22 13	1 14	13 24	9 30	20 42	20 59	6 27	17 33	5 36
S 13	7 31	21 32	1 32	15 41	1 30	9 53	0 11	19 8	1 16	21 19	0 27	22 43	0 44	21 54	0 1	22 13	1 14	13 24	9 30	20 42	20 58	6 29	17 34	5 35
S 14	7 54	20 46	2 39	16 15	1 36	9 33	0 15	19 0	1 17	21 21	0 27	22 43	0 44	21 55	0 1	22 13	1 14	13 24	9 30	20 42	20 58	6 31	17 34	5 35
M15	8 16	18 54	3 35	16 48	1 43	9 12	0 20	18 52	1 18	21 23	0 27	22 43	0 44	21 55	0 1	22 13	1 14	13 24	9 31	20 42	20 57	6 33	17 35	5 35
T 16	8 38	16 9	4 19	17 20	1 49	8 51	0 24	18 44	1 19	21 25	0 27	22 43	0 44	21 56	0 1	22 13	1 14	13 24	9 31	20 42	20 56	6 36	17 35	5 34
W17	9 0	12 44	4 50	17 51	1 55	8 30	0 28	18 36	1 20	21 27	0 26	22 43	0 44	21 56	0 1	22 13	1 14	13 24	9 31	20 42	20 56	6 38	17 36	5 34
T 18	9 22	8 51	5 7	18 21	2 1	8 8	0 32	18 28	1 21	21 29	0 26	22 43	0 44	21 56	0 1	22 13	1 14	13 23	9 31	20 41	20 55	6 40	17 37	5 34
F 19	9 44	4 40	5 10	18 50	2 7	7 46	0 36	18 20	1 22	21 30	0 26	22 44	0 43	21 57	0 1	22 13	1 14	13 23	9 31	20 40	20 55	6 42	17 37	5 33
S 20	10 6	0 21	5 0	19 18	2 13	7 24	0 40	18 12	1 23	21 32	0 26	22 44	0 43	21 57	0 1	22 13	1 14	13 23	9 31	20 39	20 54	6 44	17 38	5 33
S 21	10 28	3s57	4 37	19 44	2 18	7 1	0 44	18 3	1 24	21 34	0 26	22 44	0 43	21 58	0 1	22 13	1 14	13 23	9 31	20 38	20 54	6 47	17 38	5 33
M22	10 49	8 7	4 2	20 10	2 23	6 38	0 48	17 55	1 26	21 36	0 26	22 44	0 43	21 58	0 1	22 13	1 14	13 23	9 31	20 36	20 53	6 49	17 39	5 33
T 23	11 10	12 0	3 17	20 35	2 28	6 15	0 52	17 47	1 27	21 38	0 26	22 44	0 43	21 59	0 1	22 13	1 14	13 22	9 32	20 35	20 52	6 51	17 39	5 32
W24	11 31	15 24	2 22	20 59	2 32	5 51	0 55	17 38	1 28	21 39	0 25	22 44	0 43	21 59	0 1	22 13	1 14	13 22	9 32	20 34	20 52	6 53	17 40	5 32
T 25	11 52	18 12	1 21	21 21	2 36	5 28	0 59	17 30	1 29	21 41	0 25	22 44	0 43	21 59	0 1	22 12	1 14	13 22	9 32	20 34	20 51	6 55	17 41	5 32
F 26	12 13	20 13	0 16	21 42	2 40	5 4	1 2	17 21	1 30	21 43	0 25	22 44	0 43	22 0	0 1	22 12	1 14	13 22	9 32	20 33	20 50	6 58	17 41	5 31
S 27	12 34	21 18	0n51	22 2	2 43	4 39	1 5	17 13	1 31	21 45	0 25	22 45	0 42	22 0	0 1	22 12	1 14	13 22	9 32	20 34	20 50	7 0	17 42	5 31
S 28	12 54	21 21	1 57	22 20	2 46	4 15	1 9	17 5	1 32	21 46	0 25	22 45	0 42	22 1	0 1	22 12	1 15	13 22	9 32	20 34	20 49	7 2	17 42	5 31
M29	13 14	20 19	2 59	22 37	2 49	3 50	1 12	16 56	1 34	21 48	0 25	22 45	0 42	22 1	0 1	22 12	1 15	13 21	9 32	20 34	20 49	7 4	17 43	5 31
T 30	13 34	18 12	3 52	22 53	2 51	3 25	1 15	16 48	1 35	21 50	0 25	22 45	0 42	22 2	0 1	22 12	1 15	13 21	9 32	20 34	20 48	7 6	17 43	5 30
W31	13s54	15s 5	4n35	23s 7	2s52	3n 0	1n18	16n39	1n36	21s52	0n25	22s45	0n42	22s 2	0n 1	22n12	1s15	13n21	9s32	20s35	20s47	7s 9	17s44	5n30

ASTRODIENST EPHEMERIS for the year 1900

geocentric

NOVEMBER 1900

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 39 18	8♈ 7'18	16♊28	1♈38	26♈36	19♈31	12♈25	1♈8	10♈42	29°R 2	17°R22	2°R 1	3♈4	8♈22	22♈22	T 1
F 2	2 43 14	9° 7'22	0♈32	2°31	27°46	20° 1	12°37	1°14	10°45	29°II 1	17°II21	2♈0	3° 1	8°29	22°27	F 2
S 3	2 47 11	10° 7'28	14°58	3°19	28°57	20°31	12°50	1°19	10°48	29° 0	17°20	1°58	2°57	8°35	22°32	S 3
S 4	2 51 7	11° 7'36	29°43	4° 2	0♈7	21° 1	13° 2	1°24	10°51	28°59	17°19	1°55	2°54	8°42	22°38	S 4
M 5	2 55 4	12° 7'45	14°V41	4°41	1°18	21°31	13°15	1°29	10°55	28°58	17°18	1°52	2°51	8°49	22°44	M 5
T 6	2 59 1	13° 7'56	29°44	5°14	2°29	22° 1	13°27	1°35	10°58	28°57	17°17	1°50	2°48	8°55	22°49	T 6
W 7	3 2 57	14° 8'08	14♈43	5°41	3°40	22°30	13°40	1°40	11° 2	28°56	17°16	1°48	2°45	9° 2	22°55	W 7
T 8	3 6 54	15° 8'23	29°29	6° 1	4°51	23° 0	13°52	1°46	11° 5	28°54	17°15	1°D48	2°41	9° 9	23° 0	T 8
F 9	3 10 50	16° 8'39	13♈56	6°13	6° 2	23°29	14° 5	1°51	11° 8	28°53	17°14	1°48	2°38	9°15	23° 6	F 9
S 10	3 14 47	17° 8'57	27°58	6°R17	7°13	23°57	14°18	1°57	11°12	28°52	17°14	1°49	2°35	9°22	23°12	S 10
S 11	3 18 43	18° 9'18	11♈34	6°13	8°24	24°26	14°31	2° 3	11°15	28°51	17°13	1°50	2°32	9°29	23°18	S 11
M12	3 22 40	19° 9'40	24°44	5°58	9°36	24°54	14°44	2° 9	11°19	28°50	17°12	1°51	2°29	9°36	23°24	M12
T 13	3 26 36	20°10'03	7♈30	5°34	10°47	25°23	14°57	2°14	11°22	28°49	17°11	1°52	2°26	9°42	23°29	T 13
W14	3 30 33	21°10'29	19°57	5° 0	11°59	25°51	15°10	2°20	11°26	28°47	17°10	1°R52	2°22	9°49	23°35	W14
T 15	3 34 30	22°10'57	2♈7	4°15	13°11	26°18	15°23	2°26	11°29	28°46	17° 8	1°52	2°19	9°56	23°41	T 15
F 16	3 38 26	23°11'26	14° 6	3°21	14°23	26°46	15°36	2°32	11°33	28°45	17° 7	1°52	2°16	10° 2	23°47	F 16
S 17	3 42 23	24°11'58	25°59	2°17	15°35	27°13	15°49	2°38	11°36	28°43	17° 6	1°51	2°13	10° 9	23°53	S 17
S 18	3 46 19	25°12'31	7♈49	1° 6	16°47	27°40	16° 2	2°44	11°40	28°42	17° 5	1°50	2°10	10°16	23°59	S 18
M19	3 50 16	26°13'06	19°40	29♈49	17°59	28° 7	16°15	2°50	11°43	28°41	17° 4	1°49	2° 7	10°22	24° 6	M19
T 20	3 54 12	27°13'42	1♈36	28°28	19°12	28°33	16°28	2°56	11°47	28°39	17° 3	1°48	2° 3	10°29	24°12	T 20
W21	3 58 9	28°14'20	13°38	27° 7	20°24	28°59	16°41	3° 3	11°50	28°38	17° 2	1°48	2° 0	10°36	24°18	W21
T 22	4 2 5	29°15'00	25°49	25°47	21°37	29°25	16°55	3° 9	11°54	28°36	17° 1	1°D48	1°57	10°42	24°24	T 22
F 23	4 6 2	0♈15'41	8♈11	24°31	22°49	29°51	17° 8	3°15	11°58	28°35	17° 0	1°48	1°54	10°49	24°30	F 23
S 24	4 9 59	1°16'24	20°45	23°23	24° 2	0♈16	17°21	3°22	12° 1	28°34	16°59	1°48	1°51	10°56	24°37	S 24
S 25	4 13 55	2°17'08	3♈31	22°23	25°15	0°41	17°35	3°28	12° 5	28°32	16°58	1°R48	1°47	11° 3	24°43	S 25
M26	4 17 52	3°17'53	16°30	21°33	26°27	1° 6	17°48	3°34	12° 9	28°31	16°57	1°48	1°44	11° 9	24°49	M26
T 27	4 21 48	4°18'39	29°43	20°54	27°40	1°30	18° 2	3°41	12°12	28°29	16°55	1°47	1°41	11°16	24°55	T 27
W28	4 25 45	5°19'26	13♈11	20°27	28°53	1°55	18°15	3°47	12°16	28°28	16°54	1°47	1°38	11°23	25° 2	W28
T 29	4 29 41	6°20'14	26°53	20°12	0♈6	2°18	18°28	3°54	12°20	28°26	16°53	1°47	1°35	11°29	25° 8	T 29
F 30	4 33 38	7♈21'03	10♈50	20°D 7	1♈19	2♈42	18♈42	4♈0	12♈23	28°II24	16°II52	1°D47	1♈32	11♈36	25♈15	F 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	14s13	11s 5	5n 4	23s19	2s53	2n35	1n20	16n31	1n37	21s53	0n24	22s45	0n42	22s 3	0n 1	22n12
F 2	14 33	6 23	5 15	23 30	2 53	2 9	1 23	16 22	1 38	21 55	0 24	22 45	0 42	22 3	0 1	22 12
S 3	14 52	1 12	5 7	23 38	2 52	1 44	1 26	16 14	1 40	21 57	0 24	22 45	0 42	22 4	0 1	22 12
S 4	15 10	4n 9	4 39	23 45	2 50	1 18	1 28	16 5	1 41	21 59	0 24	22 45	0 41	22 4	0 1	22 12
M 5	15 29	9 21	3 52	23 50	2 48	0 52	1 31	15 57	1 42	22 0	0 24	22 45	0 41	22 5	0 1	22 12
T 6	15 47	14 0	2 48	23 53	2 44	0 26	1 33	15 48	1 43	22 2	0 24	22 45	0 41	22 5	0 1	22 12
W 7	16 5	17 45	1 33	23 53	2 40	0 0	1 35	15 40	1 44	22 4	0 24	22 45	0 41	22 6	0 1	22 12
T 8	16 23	20 16	0 13	23 51	2 34	0s26	1 37	15 31	1 46	22 5	0 24	22 45	0 41	22 6	0 1	22 12
F 9	16 41	21 23	1s 7	23 46	2 27	0 53	1 39	15 23	1 47	22 7	0 23	22 45	0 41	22 6	0 1	22 12
S 10	16 58	21 6	2 20	23 38	2 18	1 19	1 41	15 15	1 48	22 8	0 23	22 46	0 41	22 7	0 1	22 12
S 11	17 15	19 35	3 23	23 28	2 8	1 45	1 43	15 6	1 50	22 10	0 23	22 46	0 41	22 7	0 1	22 12
M12	17 31	17 2	4 13	23 14	1 57	2 12	1 45	14 58	1 51	22 12	0 23	22 46	0 40	22 8	0 1	22 12
T 13	17 48	13 45	4 49	22 57	1 44	2 39	1 46	14 50	1 52	22 13	0 23	22 46	0 40	22 8	0 1	22 12
W14	18 4	9 56	5 10	22 36	1 29	3 5	1 48	14 41	1 54	22 15	0 23	22 46	0 40	22 9	0 1	22 12
T 15	18 19	5 47	5 17	22 12	1 13	3 32	1 49	14 33	1 55	22 16	0 23	22 46	0 40	22 9	0 1	22 12
F 16	18 35	1 29	5 10	21 44	0 55	3 58	1 51	14 25	1 56	22 18	0 23	22 46	0 40	22 10	0 1	22 12
S 17	18 50	2s50	4 49	21 13	0 36	4 25	1 52	14 17	1 58	22 19	0 23	22 46	0 40	22 10	0 1	22 12
S 18	19 5	7 2	4 17	20 39	0 16	4 52	1 53	14 9	1 59	22 21	0 22	22 46	0 40	22 11	0 1	22 12
M19	19 19	10 59	3 33	20 3	0n 4	5 18	1 54	14 1	2 0	22 22	0 22	22 46	0 40	22 11	0 1	22 12
T 20	19 33	14 32	2 40	19 26	0 25	5 45	1 55	13 53	2 2	22 24	0 22	22 46	0 40	22 12	0 1	22 12
W21	19 47	17 31	1 39	18 47	0 45	6 11	1 56	13 45	2 3	22 25	0 22	22 45	0 39	22 12	0 1	22 12
T 22	20 0	19 46	0 33	18 10	1 4	6 38	1 56	13 37	2 5	22 26	0 22	22 45	0 39	22 13	0 1	22 12
F 23	20 13	21 6	0n35	17 34	1 23	7 4	1 57	13 30	2 6	22 28	0 22	22 45	0 39	22 13	0 1	22 12
S 24	20 26	21 25	1 43	17 2	1 39	7 30	1 57	13 22	2 7	22 29	0 22	22 45	0 39	22 14	0 1	22 12
S 25	20 38	20 37	2 47	16 33	1 53	7 57	1 58	13 15	2 9	22 31	0 22	22 45	0 39	22 14	0 1	22 12
M26	20 50	18 44	3 44	16 8	2 6	8 23	1 58	13 7	2 10	22 32	0 22	22 45	0 39	22 15	0 1	22 11
T 27	21 1	15 50	4 29	15 48	2 16	8 48	1 58	13 0	2 12	22 33	0 22	22 45	0 39	22 15	0 1	22 11
W28	21 12	12 3	5 1	15 33	2 24	9 14	1 59	12 52	2 13	22 35	0 21	22 45	0 39	22 16	0 1	22 11
T 29	21 23	7 36	5 16	15 23	2 30	9 40	1 59	12 45	2 15	22 36	0 21	22 45	0 39	22 16	0 1	22 11
F 30	21s33	2s40	5n14	15s18	2n35	10s 5	1n59	12n38	2n16	22s37	0n21	22s45	0n39	22s17	0n 1	22n11

Julian Day Number = 2415324.5, Delta T = -0.98 sec

Ecliptic obliquity = 23°27'04, Nutation = 0°00'14, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°21'19, Lahiri = 22°28'20

ASTRODIENST EPHEMERIS for the year 1900
geocentric

DECEMBER 1900

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 37 34	8°21'53	25°11'1	20°11'3	2°11'33	3°11'5	18°11'55	4°11'7	12°11'27	28°11'23	16°11'51	1°11'47	1°11'28	11°11'43	25°11'21	S 1
S 2	4 41 31	9°22'43	9°11'23	20°30	3°46	3°28	19° 9	4°14	12°31	28°11'21	16°11'50	1°47	1°25	11°49	25°27	S 2
M 3	4 45 28	10°23'35	23°55	20°55	4°59	3°51	19°22	4°20	12°34	28°20	16°49	1°48	1°22	11°56	25°34	M 3
T 4	4 49 24	11°24'27	8°11'30	21°28	6°12	4°13	19°36	4°27	12°38	28°18	16°47	1°49	1°19	12° 3	25°40	T 4
W 5	4 53 21	12°25'21	23° 5	22° 8	7°26	4°35	19°50	4°34	12°42	28°17	16°46	1°49	1°16	12° 9	25°47	W 5
T 6	4 57 17	13°26'15	7°11'33	22°55	8°39	4°56	20° 3	4°40	12°45	28°15	16°45	1°R50	1°13	12°16	25°53	T 6
F 7	5 1 14	14°27'10	21°47	23°48	9°53	5°17	20°17	4°47	12°49	28°13	16°44	1°49	1° 9	12°23	26° 0	F 7
S 8	5 5 10	15°28'07	5°11'44	24°45	11° 6	5°38	20°30	4°54	12°53	28°12	16°43	1°48	1° 6	12°30	26° 6	S 8
S 9	5 9 7	16°29'04	19°20	25°47	12°20	5°58	20°44	5° 1	12°56	28°10	16°42	1°46	1° 3	12°36	26°13	S 9
M10	5 13 4	17°30'02	2°11'33	26°53	13°34	6°18	20°58	5° 8	13° 0	28° 8	16°40	1°43	1° 0	12°43	26°19	M10
T 11	5 17 0	18°31'02	15°24	28° 2	14°47	6°38	21°11	5°15	13° 4	28° 7	16°39	1°41	0°57	12°50	26°26	T 11
W12	5 20 57	19°32'02	27°55	29°14	16° 1	6°57	21°25	5°21	13° 7	28° 5	16°38	1°39	0°53	12°56	26°32	W12
T 13	5 24 53	20°33'03	10°11'9	0°11'28	17°15	7°16	21°39	5°28	13°11	28° 3	16°37	1°38	0°50	13° 3	26°39	T 13
F 14	5 28 50	21°34'06	22°10	1°45	18°29	7°34	21°52	5°35	13°15	28° 2	16°36	1°D37	0°47	13°10	26°46	F 14
S 15	5 32 46	22°35'09	4°11'3	3° 3	19°43	7°52	22° 6	5°42	13°18	28° 0	16°35	1°38	0°44	13°16	26°52	S 15
S 16	5 36 43	23°36'14	15°52	4°23	20°57	8° 9	22°20	5°49	13°22	27°58	16°34	1°39	0°41	13°23	26°59	S 16
M17	5 40 39	24°37'19	27°44	5°44	22°11	8°26	22°33	5°56	13°26	27°57	16°32	1°41	0°38	13°30	27° 5	M17
T 18	5 44 36	25°38'25	9°11'42	7° 7	23°25	8°43	22°47	6° 3	13°29	27°55	16°31	1°43	0°34	13°36	27°12	T 18
W19	5 48 33	26°39'32	21°50	8°31	24°39	8°59	23° 1	6°10	13°33	27°53	16°30	1°44	0°31	13°43	27°18	W19
T 20	5 52 29	27°40'40	4°11'12	9°56	25°53	9°14	23°14	6°17	13°36	27°51	16°29	1°R44	0°28	13°50	27°25	T 20
F 21	5 56 26	28°41'48	16°49	11°21	27° 7	9°29	23°28	6°24	13°40	27°50	16°28	1°43	0°25	13°57	27°32	F 21
S 22	6 0 22	29°42'57	29°42	12°48	28°22	9°44	23°42	6°31	13°44	27°48	16°27	1°41	0°22	14° 3	27°38	S 22
S 23	6 4 19	0°34'06	12°35'2	14°15	29°36	9°58	23°55	6°38	13°47	27°46	16°26	1°37	0°19	14°10	27°45	S 23
M24	6 8 15	1°45'16	26°17	15°42	0°11'50	10°11	24° 9	6°45	13°51	27°45	16°24	1°33	0°15	14°17	27°51	M24
T 25	6 12 12	2°46'26	9°11'45	17°11	2° 4	10°24	24°23	6°53	13°54	27°43	16°23	1°27	0°12	14°23	27°58	T 25
W26	6 16 8	3°47'35	23°45	18°39	3°19	10°37	24°36	7° 0	13°58	27°41	16°22	1°22	0° 9	14°30	28° 4	W26
T 27	6 20 5	4°48'45	7°11'42	20° 9	4°33	10°48	24°50	7° 7	14° 1	27°40	16°21	1°18	0° 6	14°37	28°11	T 27
F 28	6 24 2	5°49'55	21°45	21°38	5°47	11° 0	25° 3	7°14	14° 5	27°38	16°20	1°16	0° 3	14°43	28°17	F 28
S 29	6 27 58	6°51'05	5°11'52	23° 8	7° 2	11°10	25°17	7°21	14° 8	27°36	16°19	1°D15	29°11'59	14°50	28°24	S 29
S 30	6 31 55	7°52'14	20° 1	24°39	8°16	11°20	25°30	7°28	14°12	27°34	16°18	1°16	29°56	14°57	28°31	S 30
M31	6 35 51	8°53'24	4°11'1	26°11'0	9°11'31	11°11'30	25°11'44	7°11'35	14°11'15	27°11'33	16°11'17	1°11'17	29°11'53	15°11'5	28°11'37	M31

Day	☉	☾		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	21s43	2n29	4n52	15s17	2n37	10s30	1n58	12n31	2n18	22s38	0n21	22s45	0n39	22s17	0n 1	22n11	1s15	13n17	9s34	20s32	20s28	8s15	17s56	5n26	
S 2	21 52	7 35	4 12	15 21	2 38	10 55	1 58	12 24	2 19	22 39	0 21	22 45	0 38	22 18	0 1	22 11	1 15	13 17	9 34	20 32	20 27	8 17	17 56	5 26	
M 3	22 1	12 18	3 15	15 28	2 38	11 20	1 58	12 18	2 21	22 41	0 21	22 44	0 38	22 18	0 1	22 11	1 15	13 17	9 34	20 32	20 27	8 19	17 57	5 26	
T 4	22 10	16 20	2 6	15 38	2 36	11 45	1 58	12 11	2 23	22 42	0 21	22 44	0 38	22 19	0 1	22 11	1 15	13 17	9 34	20 32	20 26	8 21	17 57	5 26	
W 5	22 18	19 20	0 48	15 51	2 33	12 9	1 57	12 4	2 24	22 43	0 21	22 44	0 38	22 19	0 1	22 11	1 15	13 16	9 34	20 32	20 25	8 23	17 57	5 26	
T 6	22 25	21 4	0s32	16 6	2 29	12 33	1 56	11 58	2 26	22 44	0 21	22 44	0 38	22 20	0 1	22 11	1 15	13 16	9 34	20 32	20 25	8 26	17 57	5 26	
F 7	22 33	21 24	1 48	16 23	2 25	12 57	1 56	11 52	2 27	22 45	0 21	22 44	0 38	22 20	0 1	22 11	1 15	13 16	9 34	20 32	20 24	8 28	17 57	5 26	
S 8	22 39	20 23	2 57	16 42	2 20	13 21	1 55	11 46	2 29	22 46	0 20	22 44	0 38	22 21	0 1	22 11	1 15	13 16	9 34	20 32	20 23	8 30	17 58	5 26	
S 9	22 46	18 12	3 54	17 2	2 14	13 44	1 54	11 40	2 31	22 47	0 20	22 44	0 38	22 21	0 1	22 11	1 15	13 16	9 34	20 31	20 23	8 32	17 58	5 26	
M10	22 52	15 7	4 36	17 23	2 8	14 7	1 53	11 34	2 32	22 48	0 20	22 43	0 38	22 22	0 1	22 11	1 15	13 16	9 34	20 31	20 22	8 34	17 58	5 26	
T 11	22 57	11 23	5 3	17 45	2 2	14 30	1 52	11 28	2 34	22 49	0 20	22 43	0 38	22 22	0 1	22 11	1 15	13 16	9 34	20 31	20 21	8 36	17 58	5 26	
W12	23 2	7 16	5 15	18 7	1 55	14 52	1 51	11 22	2 36	22 50	0 20	22 43	0 38	22 22	0 1	22 11	1 15	13 16	9 33	20 30	20 21	8 38	17 58	5 26	
T 13	23 7	2 57	5 12	18 30	1 48	15 14	1 50	11 17	2 37	22 51	0 20	22 43	0 37	22 23	0 1	22 11	1 15	13 16	9 33	20 30	20 20	8 40	17 58	5 26	
F 14	23 11	1s25	4 56	18 53	1 40	15 35	1 49	11 12	2 39	22 52	0 20	22 43	0 37	22 23	0 1	22 11	1 15	13 16	9 33	20 30	20 19	8 42	17 58	5 26	
S 15	23 15	5 41	4 27	19 15	1 33	15 57	1 48	11 7	2 41	22 53	0 20	22 42	0 37	22 24	0 1	22 11	1 15	13 16	9 33	20 30	20 19	8 44	17 58	5 26	
S 16	23 18	9 44	3 47	19 38	1 25	16 17	1 46	11 2	2 43	22 54	0 20	22 42	0 37	22 24	0 1	22 11	1 15	13 16	9 33	20 30	20 18	8 46	17 59	5 27	
M17	23 20	13 25	2 57	20 0	1 18	16 38	1 45	10 57	2 44	22 55	0 20	22 42	0 37	22 25	0 1	22 11	1 15	13 16	9 33	20 30	20 18	8 48	17 59	5 27	
T 18	23 23	16 36	1 58	20 22	1 10	16 58	1 43	10 52	2 46	22 56	0 20	22 42	0 37	22 25	0 1	22 11	1 15	13 16	9 33	20 31	20 17	8 50	17 59	5 27	
W19	23 25	19 6	0 54	20 43	1 2	17 18	1 42	10 48	2 48	22 57	0 19	22 42	0 37	22 26	0 1	22 11	1 15	13 16	9 33	20 31	20 16	8 52	17 59	5 27	
T 20	23 26	20 46	0n14	21 3	0 54	17 37	1 40	10 44	2 50	22 57	0 19	22 41	0 37	22 26	0 1	22 11	1 15	13 16	9 33	20 31	20 16	8 55	17 59	5 27	
F 21	23 27	21 26	1 22	21 23	0 47	17 56	1 39	10 40	2 52	22 58	0 19	22 41	0 37	22 27	0 1	22 11	1 15	13 16	9 33	20 31	20 15	8 57	17 59	5 27	
S 22	23 27	21 0	2 27	21 42	0 39	18 14	1 37	10 36	2 53	22 59	0 19	22 41	0 37	22 27	0 1	22 11	1 15	13 16	9 33	20 31	20 14	8 59	17 59	5 27	
S 23	23 27	19 24	3 27	22 0	0 31	18 32	1 35	10 32	2 55	23 0	0 19	22 40	0 37	22 27	0 0	22 11	1 15	13 16	9 33	20 30	20 14	9 1	17 59	5 27	
M24	23 26	16 43	4 15	22 18	0 24	18 49	1 33	10 29	2 57	23 0	0 19	22 40	0 37	22 28	0 0	22 11	1 15	13 16	9 33	20 29	20 13	9 3	17 59	5 27	
T 25	23 25	13 6	4 50	22 34	0 16	19 6	1 31	10 26	2 59	23 1	0 19	22 40	0 36	22 28	0 0	22 11	1 15	13 16	9 32	20 28	20 12	9 5	17 59	5 27	
W26	23 24	8 44	5 9	22 49	0 9	19 22	1 29	10 23	3 1	23 2	0 19	22 40	0 36	22 29	0 0	22 11	1 15	13 16	9 32	20 27	20 12	9 7	17 59	5 28	
T 27	23 22	3 53	5 10	23 4	0 1	19 38	1 27	10 20	3 3	23 2	0 19	22 39	0 36	22 29	0 0	22 11	1 15	13 16	9 32	20 26	20 11	9 9	17 59	5 28	
F 28	23 19	1n12	4 52	23 17	0s 6	19 53	1 25	10 18	3 5	23 3	0 19	22 39	0 36	22 30	0 0	22 11	1 15	13 16	9 32	20 25	20 10	9 11	17 58	5 28	
S 29	23 16	6 16	4 17	23 30	0 13	20 8	1 23	10 15	3 7	23 3	0 19	22 39	0 36	22 30	0 0	22 11	1 15	13 16	9 32	20 25	20 9	9 13	17 58	5 28	
S 30	23 13	11 0	3 26	23 41	0 20	20 22	1 21	10 13	3 9	23 4	0 19	22 38	0 36	22 30	0 0	22 11	1 15	13 16	9 32	20 25	20 9	9 15	17 58	5 28	
M31	23s 9	15n 9	2n22	23s51	0s27	20s35	1n19	10n12	3n11	23s 4	0n18	22s38	0n36	22s31	0n 0	22n11	1s15	13n16	9s32	20s26	20s 8	9s17	17s58	5n28	