



Astrodienst Ephemeris Tables for the year 1784

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 1784

geocentric

JANUARY 1784

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	6 41 7	10°18'53	26°35'	15°13'	23°11'	20°55'	6°49'	14°22'	9°R50	12°22'	8°45'	11°R38	12°43'	24°31'	15°R25	T 1
F 2	6 45 4	11°20'03	9°17'	16°51'	24°28'	21°25'	7° 2'	14°29'	9°47'	12°23'	8°46'	11°34'	12°39'	24°38'	15°R24	F 2
S 3	6 49 0	12°21'12	21°44'	18°30'	25°30'	21°54'	7°16'	14°36'	9°44'	12°23'	8°48'	11°27'	12°36'	24°45'	15°22'	S 3
S 4	6 52 57	13°22'21	4°11'	20° 9'	26°32'	22°24'	7°29'	14°43'	9°42'	12°24'	8°50'	11°19'	12°33'	24°51'	15°21'	S 4
M 5	6 56 53	14°23'30	16° 9'	21°48'	27°34'	22°55'	7°43'	14°50'	9°39'	12°24'	8°51'	11° 8'	12°30'	24°58'	15°20'	M 5
T 6	7 0 50	15°24'39	28°10'	23°28'	28°36'	23°25'	7°57'	14°58'	9°37'	12°24'	8°53'	10°57'	12°27'	25° 5'	15°18'	T 6
W 7	7 4 46	16°25'48	10°56'	25° 8'	29°39'	23°56'	8°11'	15° 5'	9°34'	12°24'	8°55'	10°46'	12°24'	25°11'	15°17'	W 7
T 8	7 8 43	17°26'56	21°58'	26°47'	0°42'	24°26'	8°25'	15°12'	9°32'	12°25'	8°57'	10°35'	12°20'	25°18'	15°16'	T 8
F 9	7 12 40	18°28'03	3°14'	28°27'	1°46'	24°57'	8°38'	15°19'	9°29'	12°25'	8°58'	10°27'	12°17'	25°25'	15°15'	F 9
S 10	7 16 36	19°29'11	15°38'	0°48'	2°50'	25°28'	8°52'	15°26'	9°26'	12°25'	9° 0'	10°22'	12°14'	25°31'	15°14'	S 10
S 11	7 20 33	20°30'18	27°29'	1°48'	3°54'	26° 0'	9° 6'	15°33'	9°24'	12°25'	9° 2'	10°18'	12°11'	25°38'	15°13'	S 11
M12	7 24 29	21°31'25	9°12'	3°27'	4°58'	26°31'	9°20'	15°40'	9°21'	12°25'	9° 4'	10°D17	12° 8'	25°45'	15°13'	M12
T 13	7 28 26	22°32'31	21°29'	5° 7'	6° 3'	27° 2'	9°34'	15°47'	9°19'	12°25'	9° 5'	10°18'	12° 5'	25°51'	15°12'	T 13
W14	7 32 22	23°33'38	3°45'	6°46'	7° 8'	27°34'	9°48'	15°54'	9°16'	12°R25	9° 7'	10°19'	12° 1'	25°58'	15°11'	W14
T 15	7 36 19	24°34'44	16°19'	8°25'	8°13'	28° 6'	10° 2'	16° 1'	9°14'	12°25'	9° 9'	10°20'	11°58'	26° 5'	15°11'	T 15
F 16	7 40 15	25°35'49	29°14'	10° 2'	9°19'	28°38'	10°16'	16° 8'	9°11'	12°25'	9°11'	10°R21	11°55'	26°11'	15°10'	F 16
S 17	7 44 12	26°36'55	12°13'	11°39'	10°25'	29°10'	10°30'	16°15'	9° 9'	12°25'	9°13'	10°19'	11°52'	26°18'	15° 9'	S 17
S 18	7 48 8	27°38'00	26°23'	13°14'	11°31'	29°42'	10°45'	16°22'	9° 6'	12°25'	9°14'	10°16'	11°49'	26°25'	15° 9'	S 18
M19	7 52 5	28°39'05	10°44'	14°48'	12°37'	0°15'	10°59'	16°29'	9° 4'	12°25'	9°16'	10°11'	11°45'	26°32'	15° 9'	M19
T 20	7 56 2	29°40'10	25°24'	16°19'	13°44'	0°47'	11°13'	16°36'	9° 2'	12°24'	9°18'	10° 5'	11°42'	26°38'	15° 8'	T 20
W21	7 59 58	0°41'14	10°32'	17°48'	14°50'	1°20'	11°27'	16°43'	8°59'	12°24'	9°20'	9°59'	11°39'	26°45'	15° 8'	W21
T 22	8 3 55	1°42'17	25°45'	19°13'	15°57'	1°53'	11°41'	16°50'	8°57'	12°24'	9°22'	9°53'	11°36'	26°52'	15° 8'	T 22
F 23	8 7 51	2°43'19	11°42'	20°35'	17° 4'	2°26'	11°56'	16°57'	8°55'	12°24'	9°23'	9°49'	11°33'	26°58'	15° 8'	F 23
S 24	8 11 48	3°44'21	26° 9'	21°52'	18°11'	2°59'	12°10'	17° 4'	8°52'	12°23'	9°25'	9°46'	11°30'	27° 5'	15°D 8	S 24
S 25	8 15 44	4°45'21	10°57'	23° 4'	19°19'	3°32'	12°24'	17°11'	8°50'	12°23'	9°27'	9°D45	11°26'	27°12'	15° 8'	S 25
M26	8 19 41	5°46'20	25°21'	24°11'	20°27'	4° 5'	12°38'	17°18'	8°48'	12°23'	9°29'	9°46'	11°23'	27°18'	15° 8'	M26
T 27	8 23 38	6°47'18	9°18'	25°11'	21°34'	4°39'	12°53'	17°25'	8°46'	12°22'	9°31'	9°48'	11°20'	27°25'	15° 8'	T 27
W28	8 27 34	7°48'15	22°47'	26° 3'	22°42'	5°12'	13° 7'	17°31'	8°43'	12°22'	9°33'	9°49'	11°17'	27°32'	15° 8'	W28
T 29	8 31 31	8°49'10	5°51'	26°47'	23°50'	5°46'	13°21'	17°38'	8°41'	12°21'	9°34'	9°R50	11°14'	27°38'	15° 9'	T 29
F 30	8 35 27	9°50'05	18°34'	27°21'	24°59'	6°19'	13°36'	17°45'	8°39'	12°21'	9°36'	9°50'	11°11'	27°45'	15° 9'	F 30
S 31	8 39 24	10°50'57	0°11'58	27°44'6	26°47' 7	6°53'	13°55'0	17°52'	8°37'	12°20'	9°38'	9°48'	11°7'	27°52'	15°R10	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	lat	lat
T 1	23s 4	13n37	3n36	24s38	2s 3	15s23	3n23	8n46	0n38	19s12	0s37	22s25	0n17	23n28	0n22	3s27	1n34	24s20	6s28	7s13	6s48	25n 1	14n 0	2s35		
F 2	22 59	18 40	4 18	24 28	2 5	15 37	3 23	8 58	0 40	19 8	0 37	22 24	0 17	23 29	0 22	3 27	1 34	24 19	6 28	7 14	6 49	25 0	14 0	2 35		
S 3	22 54	22 50	4 47	24 16	2 6	15 52	3 23	9 11	0 41	19 5	0 37	22 24	0 17	23 29	0 22	3 27	1 34	24 19	6 28	7 17	6 50	24 58	13 59	2 35		
S 4	22 48	25 55	5 2	24 3	2 7	16 7	3 23	9 23	0 42	19 1	0 37	22 23	0 17	23 29	0 22	3 28	1 34	24 18	6 28	7 20	6 52	24 56	13 59	2 35		
M 5	22 41	27 46	5 3	23 48	2 7	16 22	3 22	9 35	0 43	18 58	0 37	22 22	0 16	23 29	0 22	3 28	1 34	24 18	6 28	7 24	6 53	24 54	13 59	2 35		
T 6	22 35	28 18	4 51	23 31	2 7	16 36	3 21	9 47	0 44	18 54	0 38	22 21	0 16	23 29	0 22	3 28	1 34	24 17	6 28	7 28	6 54	24 52	13 59	2 35		
W 7	22 27	27 30	4 26	23 13	2 7	16 50	3 21	10 0	0 45	18 51	0 38	22 21	0 16	23 30	0 22	3 28	1 34	24 17	6 28	7 32	6 55	24 50	13 58	2 35		
T 8	22 20	25 27	3 49	22 53	2 6	17 4	3 20	10 12	0 46	18 47	0 38	22 20	0 16	23 30	0 22	3 28	1 34	24 17	6 28	7 36	6 56	24 49	13 58	2 35		
F 9	22 12	22 17	3 3	22 32	2 5	17 18	3 18	10 24	0 47	18 44	0 38	22 19	0 16	23 30	0 22	3 28	1 34	24 16	6 28	7 39	6 58	24 47	13 58	2 35		
S 10	22 3	18 13	2 9	22 9	2 3	17 32	3 17	10 37	0 48	18 40	0 38	22 19	0 16	23 30	0 22	3 28	1 34	24 16	6 28	7 42	6 59	24 45	13 58	2 35		
S 11	21 54	13 26	1 9	21 44	2 0	17 45	3 16	10 49	0 49	18 37	0 38	22 18	0 16	23 30	0 22	3 28	1 35	24 15	6 28	7 43	7 0	24 43	13 57	2 35		
M12	21 45	8 7	0 5	21 18	1 57	17 58	3 14	11 1	0 50	18 33	0 38	22 17	0 16	23 31	0 22	3 28	1 35	24 15	6 28	7 43	7 1	24 41	13 57	2 35		
T 13	21 35	2 28	1s 0	20 51	1 54	18 11	3 13	11 14	0 51	18 29	0 38	22 16	0 16	23 31	0 22	3 28	1 35	24 14	6 28	7 43	7 2	24 39	13 57	2 35		
W14	21 25	3s23	2 3	20 22	1 49	18 23	3 11	11 26	0 52	18 25	0 38	22 16	0 16	23 31	0 22	3 28	1 35	24 14	6 28	7 42	7 4	24 37	13 57	2 34		
T 15	21 14	9 14	3 2	19 52	1 44	18 36	3 9	11 38	0 53	18 22	0 38	22 15	0 16	23 31	0 22	3 28	1 35	24 13	6 28	7 42	7 5	24 36	13 57	2 34		
F 16	21 3	14 51	3 34	19 20	1 39	18 48	3 7	11 51	0 54	18 18	0 38	22 14	0 16	23 31	0 22	3 27	1 35	24 13	6 28	7 42	7 6	24 34	13 57	2 34		
S 17	20 52	19 59	4 34	18 47	1 32	18 59	3 5	12 3	0 55	18 14	0 38	22 13	0 16	23 31	0 22	3 27	1 35	24 12	6 28	7 42	7 7	24 32	13 57	2 34		
S 18	20 40	24 14	5 1	18 13	1 25	19 10	3 3	12 15	0 56	18 10	0 38	22 12	0 16	23 32	0 22	3 27	1 35	24 12	6 28	7 44	7 8	24 30	13 57	2 34		
M19	20 27	27 11	5 10	17 38	1 17	19 21	3 0	12 27	0 56	18 7	0 38	22 12	0 16	23 32	0 22	3 27	1 35	24 11	6 28	7 46	7 10	24 28	13 56	2 34		
T 20	20 15	28 22	4 59	17 3	1 8	19 32	2 58	12 39	0 57	18 3	0 38	22 11	0 15	23 32	0 22	3 27	1 35	24 11	6 28	7 48	7 11	24 26	13 56	2 34		
W21	20 2	27 30	4 27	16 26	0 58	19 42	2 56	12 52	0 58	17 59	0 38	22 10	0 15	23 32	0 22	3 27	1 35	24 10	6 28	7 50	7 12	24 24	13 56	2 34		
T 22	19 48	24 34	3 37	15 50	0 47	19 52	2 53	13 4	0 59	17 55	0 38	22 9	0 15	23 32	0 22	3 27	1 35	24 10	6 28	7 52	7 13	24 22	13 56	2 34		
F 23	19 35	19 53	2 30	15 13	0 36	20 1	2 50	13 16	1 0	17 51	0 38	22 8	0 15	23 32	0 22	3 27	1 35	24 10	6 28	7 54	7 15	24 20	13 57	2 34		
S 24	19 20	13 58	1 14	14 36	0 23	20 10	2 48	13 28	1 0	17 47	0 39	22 8	0 15	23 33	0 22	3 26	1 35	24 9	6 29	7 55	7 16	24 18	13 57	2 34		
S 25	19 6	7 22	0n 7	14 0	0 10	20 18	2 45	13 40	1 1	17 43	0 39	22 7	0 15	23 33	0 22	3 26	1 35	24 9	6 29	7 55	7 17	24 16	13 57	2 34		
M26	18 51	0 34	1 24	13 25	0n 4	20 26	2 42	13 52	1 2	17 39	0 39	22 6	0 15	23 33	0 22	3 26	1 35	24 8	6 29	7 55	7 18	24 14	13 57	2 34		
T 27	18 36	6n 3	2 34	12 51	0 19	20 33	2 39	14 4	1 2	17 35	0 39	22 5	0 15	23 33	0 22	3 26	1 35	24 8	6 29	7 54	7 19	24 12	13 57	2 34		
W28	18 20	12 11	3 34	12 19	0 34	20 40	2 36	14 16	1 3	17 31	0 39	22 4	0 15	23 33	0 22	3 25	1 36	24 7	6 29	7 54	7 21	24 10	13 57	2 33		
T 29	18 5	17 34	4 20	11 49	0 51	20 47	2 33	14 28	1 4	17 27	0 39	22 4	0 15	23 33	0 22	3 25	1 36	24 7	6 29	7 53	7 22	24 8	13 57	2 33		
F 30	17 48	22 3	4 52	11 21	1 7	20 53	2 30	14 39	1 4	17 23	0 39	22 3	0 15	23 33	0 22	3 25	1 36	24 6	6 29	7 54	7 23	24 6	13 57	2 33		
S 31	17s32	25n25	5n 9	10s56	1n24	20s58	2n26	14n51	1n 5	17s19	0s39	22s 2	0n15	23n34	0n22	3s25	1n36	24s 6	6s29	7s54	7s24	24n 4	13n58	2s33		

ASTRODIENST EPHEMERIS for the year 1784
geocentric

FEBRUARY 1784

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 43 20	11°51'49	13°11' 9	28°11' 1	27°11' 16	7°27' 27	14°44' 4	17°35' 58	8°R35	12°R19	9°40	9°R45	11°11' 4	27°55' 58	15°18' 10	S 1
M 2	8 47 17	12°52'39	25°10	28°R 5	28°24	8° 1	14°19	18° 5	8°33	12°19	9°42	9°41	11° 1	28° 5	15°11	M 2
T 3	8 51 13	13°53'28	7°5	27°58	29°33	8°35	14°33	18°12	8°31	12°18	9°44	9°36	10°58	28°12	15°11	T 3
W 4	8 55 10	14°54'15	18°55	27°39	0°42	9° 9	14°47	18°18	8°29	12°17	9°46	9°32	10°55	28°18	15°12	W 4
T 5	8 59 7	15°55'01	0°45	27°11	1°51	9°43	15° 2	18°25	8°27	12°17	9°47	9°27	10°51	28°25	15°13	T 5
F 6	9 3 3	16°55'46	12°36	26°32	3° 0	10°18	15°16	18°31	8°25	12°16	9°49	9°24	10°48	28°32	15°14	F 6
S 7	9 7 0	17°56'29	24°29	25°44	4°10	10°52	15°30	18°38	8°23	12°15	9°51	9°22	10°45	28°39	15°15	S 7
S 8	9 10 56	18°57'11	6°11'28	24°48	5°19	11°26	15°45	18°44	8°22	12°14	9°53	9°D21	10°42	28°45	15°16	S 8
M 9	9 14 53	19°57'51	18°33	23°46	6°29	12° 1	15°59	18°51	8°20	12°14	9°55	9°22	10°39	28°52	15°17	M 9
T 10	9 18 49	20°58'30	0°47	22°40	7°38	12°35	16°13	18°57	8°18	12°13	9°57	9°23	10°36	28°59	15°18	T 10
W11	9 22 46	21°59'08	13°12	21°31	8°48	13°10	16°28	19° 4	8°16	12°12	9°58	9°24	10°32	29° 5	15°19	W11
T 12	9 26 42	22°59'45	25°52	20°21	9°58	13°45	16°42	19°10	8°15	12°11	10° 0	9°26	10°29	29°12	15°20	T 12
F 13	9 30 39	24° 0'21	8°11'49	19°13	11° 8	14°20	16°56	19°16	8°13	12°10	10° 2	9°27	10°26	29°19	15°21	F 13
S 14	9 34 36	25° 0'55	22° 7	18° 7	12°18	14°54	17°11	19°22	8°12	12° 9	10° 4	9°R27	10°23	29°25	15°23	S 14
S 15	9 38 32	26° 1'29	5°11'46	17° 5	13°28	15°29	17°25	19°29	8°10	12° 8	10° 6	9°27	10°20	29°32	15°24	S 15
M16	9 42 29	27° 2'01	19°49	16° 9	14°39	16° 4	17°39	19°35	8° 9	12° 7	10° 7	9°26	10°17	29°39	15°26	M16
T 17	9 46 25	28° 2'32	4°31'51	15°19	15°49	16°39	17°53	19°41	8° 7	12° 6	10° 9	9°25	10°13	29°45	15°27	T 17
W18	9 50 22	29° 3'01	18°59	14°36	17° 0	17°15	18° 8	19°47	8° 6	12° 5	10°11	9°24	10°10	29°52	15°29	W18
T 19	9 54 18	0°11'32	3°29'35	14° 0	18°10	17°50	18°22	19°53	8° 4	12° 4	10°13	9°23	10° 7	29°59	15°30	T 19
F 20	9 58 15	1° 3'56	19° 1	13°32	19°21	18°25	18°36	19°59	8° 3	12° 3	10°14	9°22	10° 4	0°11'5	15°32	F 20
S 21	10 2 11	2° 4'21	4°11' 1	13°11	20°31	19° 0	18°50	20° 5	8° 2	12° 1	10°16	9°D21	10° 1	0°12	15°34	S 21
S 22	10 6 8	3° 4'44	18°50	12°57	21°42	19°36	19° 4	20°11	8° 1	12° 0	10°18	9°21	9°57	0°19	15°36	S 22
M23	10 10 5	4° 5'05	3°11'20	12°D51	22°53	20°11	19°19	20°16	8° 0	11°59	10°20	9°22	9°54	0°25	15°38	M23
T 24	10 14 1	5° 5'24	17°25	12°51	24° 4	20°46	19°33	20°22	7°59	11°58	10°21	9°22	9°51	0°32	15°40	T 24
W25	10 17 58	6° 5'42	1°18' 5	12°58	25°15	21°22	19°47	20°28	7°57	11°57	10°23	9°23	9°48	0°39	15°42	W25
T 26	10 21 54	7° 5'57	14°18	13°11	26°26	21°57	20° 1	20°33	7°56	11°55	10°25	9°23	9°45	0°45	15°44	T 26
F 27	10 25 51	8° 6'11	27° 7	13°29	27°37	22°33	20°15	20°39	7°56	11°54	10°26	9°23	9°42	0°52	15°46	F 27
S 28	10 29 47	9° 6'22	9°11'35	13°53	28°48	23° 9	20°29	20°44	7°55	11°53	10°28	9°23	9°38	0°59	15°48	S 28
S 29	10 33 44	10°11'32	21°11'47	14°22	29°35	23°44	20°43	20°50	7°54	11°51	10°30	9°11'32	9°11'35	1°11'5	15°50	S 29

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	decl lat
S 1	17s15	27n34	5n13	10s35	1n42	21s 3	2n23	15n 3	1n 6	17s15	0s39	22s 1	0n15	23n34	0n22	3s24	1n36
M 2	16 58	28 25	5 2	10 18	1 59	21 8	2 20	15 14	1 6	17 11	0 39	22 0	0 15	23 34	0 22	3 24	1 36
T 3	16 41	27 55	4 38	10 5	2 15	21 12	2 16	15 26	1 7	17 7	0 39	21 59	0 15	23 34	0 22	3 24	1 36
W 4	16 23	26 8	4 3	9 56	2 32	21 15	2 13	15 38	1 7	17 3	0 39	21 59	0 14	23 34	0 22	3 23	1 36
T 5	16 5	23 13	3 17	9 51	2 47	21 18	2 9	15 49	1 8	16 59	0 39	21 58	0 14	23 34	0 22	3 23	1 36
F 6	15 47	19 19	2 22	9 51	3 1	21 20	2 6	16 0	1 8	16 54	0 39	21 57	0 14	23 34	0 22	3 23	1 36
S 7	15 28	14 39	1 21	9 56	3 13	21 22	2 2	16 12	1 9	16 50	0 40	21 56	0 14	23 34	0 22	3 22	1 36
S 8	15 10	9 24	0 16	10 4	3 24	21 23	1 59	16 23	1 9	16 46	0 40	21 55	0 14	23 35	0 22	3 22	1 36
M 9	14 51	3 46	0s51	10 17	3 32	21 24	1 55	16 34	1 10	16 42	0 40	21 55	0 14	23 35	0 22	3 22	1 36
T 10	14 31	2s 5	1 56	10 32	3 38	21 24	1 51	16 45	1 10	16 38	0 40	21 54	0 14	23 35	0 22	3 21	1 36
W11	14 12	7 56	2 56	10 51	3 42	21 23	1 47	16 56	1 11	16 33	0 40	21 53	0 14	23 35	0 22	3 21	1 36
T 12	13 52	13 34	3 50	11 11	3 44	21 22	1 44	17 7	1 11	16 29	0 40	21 52	0 14	23 35	0 22	3 21	1 36
F 13	13 32	18 45	4 33	11 33	3 43	21 21	1 40	17 18	1 12	16 25	0 40	21 51	0 14	23 35	0 22	3 20	1 36
S 14	13 12	23 11	5 2	11 56	3 40	21 18	1 36	17 29	1 12	16 21	0 40	21 50	0 14	23 35	0 22	3 20	1 36
S 15	12 52	26 29	5 16	12 19	3 34	21 15	1 32	17 39	1 13	16 16	0 40	21 50	0 14	23 35	0 22	3 19	1 36
M16	12 31	28 15	5 12	12 43	3 28	21 12	1 28	17 50	1 13	16 12	0 40	21 49	0 14	23 35	0 22	3 19	1 37
T 17	12 10	28 12	4 48	13 5	3 19	21 8	1 25	18 1	1 13	16 8	0 40	21 48	0 14	23 35	0 22	3 18	1 37
W18	11 49	26 9	4 4	13 27	3 9	21 3	1 21	18 11	1 14	16 4	0 41	21 47	0 14	23 35	0 22	3 18	1 37
T 19	11 28	22 16	3 4	13 48	2 58	20 58	1 17	18 21	1 14	15 59	0 41	21 46	0 14	23 36	0 22	3 17	1 37
F 20	11 7	16 53	1 51	14 7	2 47	20 52	1 13	18 31	1 15	15 55	0 41	21 45	0 14	23 36	0 22	3 17	1 37
S 21	10 45	10 30	0 30	14 25	2 34	20 46	1 9	18 42	1 15	15 51	0 41	21 45	0 13	23 36	0 22	3 16	1 37
S 22	10 23	3 37	0n52	14 41	2 21	20 39	1 5	18 52	1 15	15 46	0 41	21 44	0 13	23 36	0 22	3 16	1 37
M23	10 1	3n18	2 9	14 56	2 8	20 31	1 1	19 2	1 16	15 42	0 41	21 43	0 13	23 36	0 22	3 15	1 37
T 24	9 39	9 52	3 16	15 8	1 55	20 23	0 57	19 11	1 16	15 38	0 41	21 42	0 13	23 36	0 22	3 15	1 37
W25	9 17	15 45	4 10	15 19	1 42	20 14	0 54	19 21	1 16	15 33	0 41	21 41	0 13	23 36	0 22	3 14	1 37
T 26	8 55	20 44	4 48	15 28	1 28	20 5	0 50	19 31	1 17	15 29	0 41	21 41	0 13	23 36	0 22	3 14	1 37
F 27	8 32	24 34	5 10	15 36	1 15	19 55	0 46	19 40	1 17	15 25	0 42	21 40	0 13	23 36	0 22	3 13	1 37
S 28	8 10	27 9	5 18	15 41	1 2	19 44	0 42	19 50	1 17	15 20	0 42	21 39	0 13	23 36	0 22	3 13	1 37
S 29	7s47	28n23	5n10	15s45	0n49	19s33	0n38	19n59	1n17	15s16	0s42	21s38	0n13	23n36	0n22	3s12	1n37

Julian Day Number = 2372683.5, Delta T = 22.27 sec
Ecliptic obliquity = 23°28'11", Nutation = 0°00'07", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°43'33", Lahiri = 20°50'33Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1784
geocentric

MARCH 1784

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	10 37 40	11° 39' 39"	3° 47' 47"	14° 56' 56"	1° 11' 11"	24° 20' 20"	20° 57' 57"	20° 55' 55"	7° 53' 53"	11° 50' 50"	10° 31' 31"	9° 23' 23"	9° 32' 32"	1° 12' 12"	15° 52' 52"	M 1
T 2	10 41 37	12° 6' 44"	15° 39' 39"	15° 34' 34"	2° 22' 22"	24° 56' 56"	21° 11' 11"	21° 0' 0"	7° 52' 52"	11° 49' 49"	10° 33' 33"	9° 23' 23"	9° 29' 29"	1° 19' 19"	15° 55' 55"	T 2
W 3	10 45 34	13° 6' 47"	27° 28' 28"	16° 16' 16"	3° 33' 33"	25° 32' 32"	21° 24' 24"	21° 6' 6"	7° 52' 52"	11° 47' 47"	10° 35' 35"	9° 24' 24"	9° 26' 26"	1° 25' 25"	15° 57' 57"	W 3
T 4	10 49 30	14° 6' 48"	9° 18' 18"	17° 2' 2"	4° 45' 45"	26° 7' 7"	21° 38' 38"	21° 11' 11"	7° 51' 51"	11° 46' 46"	10° 36' 36"	9° 24' 24"	9° 23' 23"	1° 32' 32"	16° 0' 0"	T 4
F 5	10 53 27	15° 6' 47"	21° 11' 11"	17° 51' 51"	5° 56' 56"	26° 43' 43"	21° 52' 52"	21° 16' 16"	7° 50' 50"	11° 44' 44"	10° 38' 38"	9° 25' 25"	9° 19' 19"	1° 39' 39"	16° 2' 2"	F 5
S 6	10 57 23	16° 6' 44"	3° 11' 11"	18° 43' 43"	7° 8' 8"	27° 19' 19"	22° 6' 6"	21° 21' 21"	7° 50' 50"	11° 43' 43"	10° 39' 39"	9° 25' 25"	9° 16' 16"	1° 45' 45"	16° 5' 5"	S 6
S 7	11 1 20	17° 6' 38"	15° 20' 20"	19° 39' 39"	8° 19' 19"	27° 55' 55"	22° 20' 20"	21° 26' 26"	7° 49' 49"	11° 42' 42"	10° 41' 41"	9° 25' 25"	9° 13' 13"	1° 52' 52"	16° 7' 7"	S 7
M 8	11 5 16	18° 6' 31"	27° 39' 39"	20° 38' 38"	9° 31' 31"	28° 31' 31"	22° 33' 33"	21° 31' 31"	7° 49' 49"	11° 40' 40"	10° 42' 42"	9° 25' 25"	9° 10' 10"	1° 59' 59"	16° 10' 10"	M 8
T 9	11 9 13	19° 6' 22"	10° 9' 9"	21° 39' 39"	10° 43' 43"	29° 7' 7"	22° 47' 47"	21° 36' 36"	7° 49' 49"	11° 39' 39"	10° 44' 44"	9° 24' 24"	9° 7' 7"	2° 5' 5"	16° 13' 13"	T 9
W10	11 13 9	20° 6' 11"	22° 53' 53"	22° 42' 42"	11° 54' 54"	29° 43' 43"	23° 0' 0"	21° 41' 41"	7° 48' 48"	11° 37' 37"	10° 45' 45"	9° 22' 22"	9° 3' 3"	2° 12' 12"	16° 15' 15"	W10
T 11	11 17 6	21° 5' 58"	5° 14' 14"	23° 49' 49"	13° 6' 6"	0° 11' 11"	23° 14' 14"	21° 45' 45"	7° 48' 48"	11° 36' 36"	10° 47' 47"	9° 21' 21"	9° 0' 0"	2° 19' 19"	16° 18' 18"	T 11
F 12	11 21 2	22° 5' 44"	19° 0' 0"	24° 57' 57"	14° 18' 18"	0° 55' 55"	23° 27' 27"	21° 50' 50"	7° 48' 48"	11° 34' 34"	10° 48' 48"	9° 19' 19"	8° 57' 57"	2° 26' 26"	16° 21' 21"	F 12
S 13	11 24 59	23° 5' 27"	2° 12' 12"	26° 7' 7"	15° 30' 30"	1° 31' 31"	23° 41' 41"	21° 55' 55"	7° 48' 48"	11° 32' 32"	10° 50' 50"	9° 18' 18"	8° 54' 54"	2° 32' 32"	16° 24' 24"	S 13
S 14	11 28 56	24° 5' 10"	16° 7' 7"	27° 20' 20"	16° 42' 42"	2° 7' 7"	23° 54' 54"	21° 59' 59"	7° 48' 48"	11° 31' 31"	10° 51' 51"	9° 17' 17"	8° 51' 51"	2° 39' 39"	16° 27' 27"	S 14
M15	11 32 52	25° 4' 50"	0° 3' 3"	28° 34' 34"	17° 54' 54"	2° 44' 44"	24° 8' 8"	22° 4' 4"	7° 47' 47"	11° 29' 29"	10° 53' 53"	9° 17' 17"	8° 48' 48"	2° 46' 46"	16° 30' 30"	M15
T 16	11 36 49	26° 4' 29"	14° 13' 13"	29° 51' 51"	19° 6' 6"	3° 20' 20"	24° 21' 21"	22° 8' 8"	7° 48' 48"	11° 28' 28"	10° 54' 54"	9° 18' 18"	8° 44' 44"	2° 52' 52"	16° 33' 33"	T 16
W17	11 40 45	27° 4' 06"	28° 36' 36"	1° 11' 11"	20° 18' 18"	3° 56' 56"	24° 34' 34"	22° 12' 12"	7° 48' 48"	11° 26' 26"	10° 55' 55"	9° 19' 19"	8° 41' 41"	2° 59' 59"	16° 36' 36"	W17
T 18	11 44 42	28° 3' 41"	13° 13' 13"	2° 29' 29"	21° 30' 30"	4° 32' 32"	24° 47' 47"	22° 16' 16"	7° 48' 48"	11° 25' 25"	10° 57' 57"	9° 20' 20"	8° 38' 38"	3° 6' 6"	16° 39' 39"	T 18
F 19	11 48 38	29° 3' 14"	23° 47' 47"	3° 51' 51"	22° 42' 42"	5° 9' 9"	25° 0' 0"	22° 21' 21"	7° 48' 48"	11° 23' 23"	10° 58' 58"	9° 21' 21"	8° 35' 35"	3° 12' 12"	16° 42' 42"	F 19
S 20	11 52 35	0° 11' 11"	12° 12' 12"	5° 14' 14"	23° 54' 54"	5° 45' 45"	25° 14' 14"	22° 25' 25"	7° 48' 48"	11° 21' 21"	11° 0' 0"	9° 21' 21"	8° 32' 32"	3° 19' 19"	16° 46' 46"	S 20
S 21	11 56 32	1° 2' 15"	26° 57' 57"	6° 38' 38"	25° 6' 6"	6° 21' 21"	25° 27' 27"	22° 29' 29"	7° 48' 48"	11° 20' 20"	11° 1' 1"	9° 21' 21"	8° 28' 28"	3° 26' 26"	16° 49' 49"	S 21
M22	12 0 28	2° 1' 42"	11° 16' 16"	8° 5' 5"	26° 18' 18"	6° 58' 58"	25° 39' 39"	22° 32' 32"	7° 49' 49"	11° 18' 18"	11° 2' 2"	9° 19' 19"	8° 25' 25"	3° 32' 32"	16° 52' 52"	M22
T 23	12 4 25	3° 1' 08"	25° 17' 17"	9° 33' 33"	27° 30' 30"	7° 34' 34"	25° 52' 52"	22° 36' 36"	7° 49' 49"	11° 17' 17"	11° 3' 3"	9° 16' 16"	8° 22' 22"	3° 39' 39"	16° 55' 55"	T 23
W24	12 8 21	4° 0' 31"	8° 57' 57"	11° 2' 2"	28° 43' 43"	8° 10' 10"	26° 5' 5"	22° 40' 40"	7° 49' 49"	11° 15' 15"	11° 5' 5"	9° 12' 12"	8° 19' 19"	3° 46' 46"	16° 59' 59"	W24
T 25	12 12 18	4° 59' 59"	22° 14' 14"	12° 33' 33"	29° 55' 55"	8° 47' 47"	26° 18' 18"	22° 44' 44"	7° 50' 50"	11° 13' 13"	11° 6' 6"	9° 8' 8"	8° 16' 16"	3° 52' 52"	17° 2' 2"	T 25
F 26	12 16 14	5° 59' 10"	5° 11' 11"	14° 5' 5"	1° 11' 11"	9° 23' 23"	26° 31' 31"	22° 47' 47"	7° 51' 51"	11° 12' 12"	11° 7' 7"	9° 4' 4"	8° 13' 13"	3° 59' 59"	17° 6' 6"	F 26
S 27	12 20 11	6° 58' 27"	17° 39' 39"	15° 39' 39"	2° 19' 19"	10° 0' 0"	26° 43' 43"	22° 51' 51"	7° 51' 51"	11° 10' 10"	11° 8' 8"	9° 2' 2"	8° 9' 9"	4° 6' 6"	17° 9' 9"	S 27
S 28	12 24 7	7° 57' 41"	29° 54' 54"	17° 14' 14"	3° 32' 32"	10° 36' 36"	26° 56' 56"	22° 54' 54"	7° 52' 52"	11° 8' 8"	11° 9' 9"	9° 0' 0"	8° 6' 6"	4° 12' 12"	17° 13' 13"	S 28
M29	12 28 4	8° 56' 53"	11° 56' 56"	18° 50' 50"	4° 44' 44"	11° 13' 13"	27° 8' 8"	22° 57' 57"	7° 52' 52"	11° 7' 7"	11° 11' 11"	9° 0' 0"	8° 3' 3"	4° 19' 19"	17° 16' 16"	M29
T 30	12 32 0	9° 56' 02"	23° 48' 48"	20° 28' 28"	5° 56' 56"	11° 49' 49"	27° 21' 21"	23° 1' 1"	7° 53' 53"	11° 5' 5"	11° 12' 12"	9° 1' 1"	8° 0' 0"	4° 26' 26"	17° 20' 20"	T 30
W31	12 35 57	10° 55' 10"	5° 12' 12"	22° 11' 11"	7° 11' 11"	12° 11' 11"	27° 33' 33"	23° 3' 3"	7° 54' 54"	11° 3' 3"	11° 13' 13"	9° 2' 2"	7° 11' 11"	4° 12' 12"	17° 24' 24"	W31

Day	☉	☽		♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	7s24	28n14	4n49	15s47	0n37	19s22	0n34	20n 8	1n18	15s12	0s42	21s38	0n13	23n36	0n22	3s12	1n37	23s54	6s32	8s 4	8s 0	23n 2	14n12	2s31			
T 2	7 2	26 48	4 16	15 48	0 25	19 10	0 31	20 17	1 18	15 7	0 42	21 37	0 13	23 36	0 22	3 11	1 37	23 54	6 33	8 4	8 1	23 0	14 13	2 31			
W 3	6 39	24 10	3 32	15 46	0 13	18 57	0 27	20 26	1 18	15 3	0 42	21 36	0 13	23 36	0 22	3 11	1 37	23 54	6 33	8 3	8 3	22 58	14 13	2 31			
T 4	6 16	20 31	2 40	15 43	0 2	18 44	0 23	20 35	1 19	14 59	0 42	21 35	0 13	23 36	0 22	3 10	1 37	23 54	6 33	8 3	8 4	22 55	14 14	2 31			
F 5	5 52	16 2	1 40	15 39	0s 9	18 30	0 20	20 43	1 19	14 54	0 42	21 35	0 13	23 36	0 22	3 9	1 37	23 53	6 33	8 3	8 5	22 53	14 15	2 31			
S 6	5 29	10 53	0 35	15 33	0 20	18 15	0 16	20 52	1 19	14 50	0 42	21 34	0 13	23 36	0 22	3 9	1 37	23 53	6 33	8 3	8 6	22 51	14 16	2 31			
S 7	5 6	5 17	0s33	15 25	0 30	18 1	0 12	21 0	1 19	14 46	0 43	21 33	0 13	23 36	0 22	3 8	1 37	23 53	6 33	8 3	8 7	22 49	14 16	2 31			
M 8	4 42	0s35	1 39	15 16	0 40	17 45	0 9	21 9	1 19	14 41	0 43	21 32	0 13	23 36	0 22	3 8	1 37	23 52	6 34	8 3	8 9	22 47	14 17	2 31			
T 9	4 19	6 31	2 42	15 5	0 49	17 29	0 5	21 17	1 20	14 37	0 43	21 32	0 12	23 36	0 22	3 7	1 37	23 52	6 34	8 3	8 10	22 44	14 18	2 31			
W10	3 56	12 17	3 38	14 53	0 58	17 13	0 1	21 25	1 20	14 33	0 43	21 31	0 12	23 36	0 22	3 6	1 37	23 52	6 34	8 4	8 11	22 42	14 19	2 31			
T 11	3 32	17 38	4 24	14 39	1 6	16 56	0s 2	21 33	1 20	14 28	0 43	21 30	0 12	23 36	0 22	3 6	1 37	23 52	6 34	8 5	8 12	22 40	14 20	2 31			
F 12	3 8	22 15	4 57	14 23	1 14	16 39	0 5	21 41	1 20	14 24	0 43	21 30	0 12	23 36	0 22	3 5	1 37	23 51	6 34	8 5	8 13	22 38	14 21	2 31			
S 13	2 45	25 48	5 14	14 7	1 22	16 21	0 9	21 48	1 20	14 20	0 43	21 29	0 12	23 36	0 22	3 5	1 37	23 51	6 35	8 6	8 15	22 36	14 21	2 31			
S 14	2 21	27 57	5 14	13 49	1 29	16 3	0 12	21 56	1 21	14 15	0 43	21 28	0 12	23 36	0 22	3 4	1 37	23 51	6 35	8 6	8 16	22 33	14 22	2 31			
M15	1 57	28 24	4 56	13 29	1 36	15 44	0 16	22 3	1 21	14 11	0 44	21 28	0 12	23 36	0 22	3 3	1 37	23 51	6 35	8 6	8 17	22 31	14 23	2 31			
T 16	1 34	27 1	4 20	13 8	1 42	15 25	0 19	22 10	1 21	14 7	0 44	21 27	0 12	23 36	0 22	3 3	1 38	23 51	6 35	8 6	8 18	22 29	14 24	2 30			
W17	1 10	23 50	3 27	12 46	1 48	15 5	0 22	22 17	1 21	14 2	0 44	21 26	0 12	23 36	0 22	3 2	1 38	23 50	6 35	8 5	8 19	22 27	14 25	2 30			
T 18	0 46	19 7	2 20	12 22	1 54	14 45	0 25	22 24	1 21	13 58	0 44	21 26	0 12	23 36	0 22	3 1	1 38	23 50	6 35	8 5	8 21	22 24	14 26	2 30			
F 19	0 23	13 15	1 3	11 57	1 59	14 25	0 28	22 31	1 21	13 54	0 44	21 25	0 12	23 36	0 22	3 1	1 38	23 50	6 36	8 4	8 22	22 22	14 27	2 30			
S 20	0n 1	6 39	0n17	11 31	2 3	14 4	0 31	22 38	1 22	13 50	0 44	21 25	0 12	23 36	0 22	3 0	1 38	23 50	6 36	8 4	8 23	22 20	14 28	2 30			
S 21	0 25	0n15	1 36	11 3	2 7	13 43	0 34	22 44	1 22	13 45	0 44	21 24	0 12	23 36	0 22	2 59	1 38	23 50	6 36	8 5	8 24	22 17	14 29	2 30			
M22	0 48	7 1	2 47	10 34	2 11	13 21	0 37	22 51	1 22	13 41	0 45	21 23	0 12	23 36	0 22	2 59	1 38	23 49	6 36	8 5	8 25	22 15	14 30	2 30			
T 23	1 12	13 18	3 47	10 4	2 14	12 59	0 40	22 57	1 22	13 37	0 45	21 23	0 12	23 36	0 22	2 58	1 38	23 49	6 37	8 6	8 27	22 13	14 31	2 30			
W24	1 36	18 47	4 31	9 33	2 17	12 37	0 43	23 3	1 22	13 33	0 45	21 22	0 12	23 36	0 22	2 57	1 38	23 49	6 37	8 8	8 28	22 11	14 32	2 30			
T 25	1 59	23 11	5 0	9 0	2 19	12 14	0 46	23 9	1 22	13 28	0 45	21 22	0 12	23 36	0 22	2 57	1 38	23 49	6 37	8 9	8 29	22 8	14 33	2 30			
F 26	2 23	26 19	5 13	8 26	2 21	11 51	0 49	23 14	1 22	13 24	0 45	21 21	0 11	23 36	0 22	2 56	1 38	23 49	6 37	8 11	8 30	22 6	14 34	2 30			
S 27	2 46	28 3	5 10	7 51	2 22	11 28	0 51	23 20	1 22	13 20	0 45	21 21	0 11	23 36	0 22	2 56	1 38	23 49	6 37	8 12	8 31	22 4	14 35	2 30			
S 28	3 10	28 22	4 53	7 15	2 23	11 4	0 54	23 25	1 22	13 16	0 46	21 20	0 11	23 36	0 22	2 55	1 38	23 49	6 38	8 12	8 32	22 1	14 36	2 30			
M29	3 33	27 19	4 24	6 37	2 24	10 40	0 56	23 31	1 23	13 12	0 46	21 20	0 11	23 36	0 22	2 54	1 38	23 49	6 38	8 12	8 34	21 59	14 37	2 30			
T 30	3 56	25 2	3 43	5 59	2 23	10 16	0 59	23 36	1 23	13 8	0 46	21 19	0 11	23 36	0 22	2 54	1 38	23 48	6 38	8 12	8 35	21 57	14 38	2 30			
W31	4n20	21n41	2n53	5s19	2s23	9s51	1s 1	23n41	1n23	13s 4	0s46	21s19	0n11	23n36	0n22	2s53	1n38	23s48	6s38	8s11	8s36	21n54	14n39	2s30			

ASTRODIENST EPHEMERIS for the year 1784

geocentric

APRIL 1784

00:00 UT

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

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	4n43	17n27	1n56	4s38	2s22	9s26	1s4	23n46	1n23	12s59	0s46	21s18	0n11	23n36	0n22	2s30
F 2	5 6	12 31	0 53	3 56	2 20	9 1	1 6	23 50	1 23	12 55	0 46	21 18	0 11	23 36	0 22	2 30
S 3	5 29	7 3	0s13	3 13	2 18	8 35	1 8	23 55	1 23	12 51	0 47	21 17	0 11	23 36	0 22	2 30
S 4	5 52	1 14	1 19	2 28	2 16	8 10	1 10	23 59	1 23	12 47	0 47	21 17	0 11	23 36	0 22	2 30
M 5	6 14	4s44	2 23	1 43	2 13	7 44	1 12	24 3	1 23	12 43	0 47	21 17	0 11	23 35	0 22	2 30
T 6	6 37	10 38	3 21	0 57	2 9	7 18	1 14	24 7	1 23	12 39	0 47	21 16	0 11	23 35	0 22	2 30
W 7	7 0	16 11	4 9	0 10	2 5	6 51	1 16	24 11	1 23	12 35	0 47	21 16	0 11	23 35	0 22	2 30
T 8	7 22	21 5	4 45	0n39	2 0	6 25	1 18	24 14	1 23	12 32	0 47	21 16	0 11	23 35	0 22	2 30
F 9	7 44	24 58	5 5	1 28	1 55	5 58	1 20	24 18	1 23	12 28	0 48	21 15	0 11	23 35	0 22	2 30
S 10	8 6	27 29	5 8	2 18	1 50	5 31	1 22	24 21	1 23	12 24	0 48	21 15	0 11	23 35	0 22	2 30
S 11	8 28	28 20	4 54	3 9	1 44	5 4	1 23	24 24	1 23	12 20	0 48	21 15	0 11	23 35	0 22	2 30
M12	8 50	27 22	4 21	4 0	1 37	4 37	1 25	24 27	1 23	12 16	0 48	21 14	0 10	23 35	0 22	2 30
T 13	9 12	24 39	3 33	4 53	1 30	4 10	1 26	24 30	1 23	12 12	0 48	21 14	0 10	23 35	0 22	2 30
W14	9 34	20 25	2 31	5 46	1 22	3 42	1 28	24 33	1 23	12 8	0 49	21 14	0 10	23 35	0 22	2 30
T 15	9 55	15 0	1 20	6 39	1 14	3 14	1 29	24 35	1 23	12 5	0 49	21 13	0 10	23 35	0 22	2 30
F 16	10 16	8 48	0 5	7 33	1 6	2 47	1 30	24 37	1 23	12 1	0 49	21 13	0 10	23 34	0 22	2 30
S 17	10 38	2 10	1n11	8 27	0 57	2 19	1 31	24 40	1 23	11 57	0 49	21 13	0 10	23 34	0 22	2 30
S 18	10 59	4n31	2 22	9 22	0 48	1 51	1 32	24 41	1 23	11 54	0 49	21 13	0 10	23 34	0 22	2 30
M19	11 19	10 54	3 24	10 16	0 38	1 23	1 33	24 43	1 23	11 50	0 50	21 13	0 10	23 34	0 22	2 30
T 20	11 40	16 40	4 12	11 10	0 28	0 55	1 34	24 45	1 23	11 47	0 50	21 13	0 10	23 34	0 22	2 30
W21	12 0	21 30	4 46	12 4	0 18	0 26	1 35	24 46	1 23	11 43	0 50	21 12	0 10	23 34	0 22	2 30
T 22	12 20	25 9	5 3	12 58	0 7	0n2	1 36	24 47	1 23	11 39	0 50	21 12	0 10	23 34	0 22	2 30
F 23	12 40	27 25	5 4	13 51	0n3	0 30	1 37	24 48	1 23	11 36	0 50	21 12	0 10	23 34	0 22	2 30
S 24	13 0	28 14	4 51	14 43	0 14	0 58	1 37	24 49	1 23	11 33	0 51	21 12	0 10	23 33	0 22	2 30
S 25	13 20	27 38	4 24	15 33	0 25	1 26	1 38	24 50	1 23	11 29	0 51	21 12	0 10	23 33	0 22	2 30
M26	13 39	25 44	3 47	16 23	0 35	1 55	1 38	24 51	1 23	11 26	0 51	21 12	0 10	23 33	0 22	2 30
T 27	13 58	22 43	2 59	17 11	0 46	2 23	1 39	24 51	1 23	11 22	0 51	21 12	0 9	23 33	0 22	2 30
W28	14 17	18 46	2 4	17 57	0 56	2 51	1 39	24 51	1 23	11 19	0 51	21 12	0 9	23 33	0 22	2 30
T 29	14 36	14 5	1 4	18 41	1 6	3 19	1 39	24 51	1 23	11 16	0 52	21 12	0 9	23 33	0 22	2 30
F 30	14n54	8n50	0n1	19n24	1n16	3n48	1s39	24n51	1n23	11s13	0s52	21s12	0n9	23n33	0n21	2s31

Julian Day Number = 2372743.5, Delta T = 22.26 sec

Ecliptic obliquity = 23°28'11", Nutation = 0°00'06", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 21°43'41", Lahiri = 20°50'41"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1784
geocentric

MAY 1784

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	14 38 10	11♈11'38	19♎29	23♊33	14♋40	1♌24	3♍11	23♎55	8♏44	10♐15	11♑34	7♒25	6♓18	7♈59	19♉29	S 1
S 2	14 42 7	12° 9'43	1♎55	25°32	15°53	2° 1	3°20	23°55	8°46	10♎14	11°35	7♋23	6°15	8° 6	19°33	S 2
M 3	14 46 3	13° 7'47	14°40	27°28	17° 6	2°38	3°29	23°R55	8°48	10°13	11°35	7°18	6°12	8°12	19°37	M 3
T 4	14 50 0	14° 5'48	27°47	29°21	18°19	3°15	3°38	23°55	8°51	10°11	11°35	7°10	6° 9	8°19	19°41	T 4
W 5	14 53 56	15° 3'48	11♎14	1♋12	19°31	3°52	3°47	23°55	8°53	10°10	11°35	7° 0	6° 5	8°26	19°46	W 5
T 6	14 57 53	16° 1'46	24°59	2°59	20°44	4°29	3°56	23°55	8°56	10° 9	11°36	6°50	6° 2	8°32	19°50	T 6
F 7	15 1 50	16°59'43	9♎1	4°44	21°57	5° 6	4° 5	23°54	8°58	10° 7	11°36	6°39	5°59	8°39	19°54	F 7
S 8	15 5 46	17°57'38	23°12	6°25	23°10	5°43	4°13	23°54	9° 1	10° 6	11°36	6°29	5°56	8°46	19°59	S 8
S 9	15 9 43	18°55'32	7♓29	8° 2	24°23	6°20	4°21	23°53	9° 3	10° 5	11°36	6°21	5°53	8°52	20° 3	S 9
M10	15 13 39	19°53'24	21°47	9°37	25°36	6°57	4°29	23°53	9° 6	10° 4	11°36	6°16	5°50	8°59	20° 7	M10
T 11	15 17 36	20°51'16	6♎2	11° 7	26°49	7°34	4°37	23°52	9° 9	10° 3	11°36	6°14	5°46	9° 6	20°12	T 11
W12	15 21 32	21°49'06	20°12	12°34	28° 1	8°10	4°45	23°51	9°11	10° 1	11°R36	6°D13	5°43	9°12	20°16	W12
T 13	15 25 29	22°46'55	4♋15	13°58	29°14	8°47	4°53	23°50	9°14	10° 0	11°36	6°R13	5°40	9°19	20°20	T 13
F 14	15 29 25	23°44'42	18°11	15°17	0♌27	9°24	5° 1	23°49	9°17	9°59	11°36	6°13	5°37	9°25	20°25	F 14
S 15	15 33 22	24°42'29	2°Y 1	16°33	1°40	10° 1	5° 8	23°48	9°20	9°58	11°36	6°11	5°34	9°32	20°29	S 15
S 16	15 37 19	25°40'14	15°41	17°45	2°53	10°38	5°16	23°47	9°22	9°57	11°36	6° 6	5°31	9°39	20°33	S 16
M17	15 41 15	26°37'59	29°13	18°54	4° 6	11°15	5°23	23°45	9°25	9°56	11°36	5°59	5°27	9°45	20°38	M17
T 18	15 45 12	27°35'42	12♊33	19°58	5°19	11°52	5°30	23°44	9°28	9°55	11°36	5°49	5°24	9°52	20°42	T 18
W19	15 49 8	28°33'24	25°41	20°58	6°32	12°29	5°37	23°42	9°31	9°54	11°35	5°37	5°21	9°59	20°46	W19
T 20	15 53 5	29°31'04	8♋35	21°55	7°45	13° 6	5°43	23°41	9°34	9°53	11°35	5°24	5°18	10° 5	20°51	T 20
F 21	15 57 1	0♎28'44	21°13	22°47	8°58	13°43	5°50	23°39	9°37	9°52	11°35	5°11	5°15	10°12	20°55	F 21
S 22	16 0 58	1°26'22	3♓37	23°35	10°11	14°20	5°56	23°37	9°40	9°51	11°35	5° 0	5°11	10°19	20°59	S 22
S 23	16 4 54	2°23'58	15°47	24°18	11°24	14°57	6° 3	23°36	9°43	9°50	11°34	4°51	5° 8	10°25	21° 3	S 23
M24	16 8 51	3°21'33	27°46	24°58	12°37	15°35	6° 9	23°34	9°46	9°50	11°34	4°45	5° 5	10°32	21° 8	M24
T 25	16 12 48	4°19'07	9♌37	25°33	13°50	16°12	6°15	23°32	9°49	9°49	11°34	4°41	5° 2	10°39	21°12	T 25
W26	16 16 44	5°16'40	21°26	26° 3	15° 3	16°49	6°20	23°29	9°52	9°48	11°33	4°39	4°59	10°45	21°16	W26
T 27	16 20 41	6°14'11	3♎16	26°29	16°16	17°26	6°26	23°27	9°56	9°47	11°33	4°39	4°56	10°52	21°20	T 27
F 28	16 24 37	7°11'41	15°13	26°51	17°29	18° 3	6°31	23°25	9°59	9°47	11°33	4°39	4°52	10°59	21°25	F 28
S 29	16 28 34	8° 9'09	27°23	27° 7	18°42	18°40	6°37	23°23	10° 2	9°46	11°32	4°38	4°49	11° 5	21°29	S 29
S 30	16 32 30	9° 6'36	9♎52	27°19	19°55	19°17	6°42	23°20	10° 5	9°45	11°32	4°35	4°46	11°12	21°33	S 30
M31	16 36 27	10♎4'02	22♎42	27♎27	21♊8	19♓54	6♋47	23♊18	10♌8	9♎45	11♎31	4♋30	4♋43	11♌19	21♊37	M31

Day	☉	☾		♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	♊	♋	♌	♍	♎	♏			
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat			
S 1	15n12	3n11	1 s 4	20n 4	1n25	4n16	1s39	24n50	1n23	11s 9	0s52	21s12	0n 9	23n32	0n21	2s34	1n37	23 s49	6s46	8s48	9s13	20n39	15n12	2s31
S 2	15 30	2s42	2 7	20 41	1 34	4 44	1 39	24 50	1 23	11 6	0 52	21 12	0 9	23 32	0 21	2 34	1 37	23 50	6 46	8 49	9 14	20 37	15 13	2 31
M 3	15 48	8 38	3 5	21 17	1 42	5 12	1 39	24 49	1 23	11 3	0 52	21 12	0 9	23 32	0 21	2 33	1 37	23 50	6 46	8 51	9 15	20 34	15 14	2 31
T 4	16 5	14 20	3 54	21 50	1 50	5 39	1 39	24 48	1 23	11 0	0 53	21 12	0 9	23 32	0 21	2 33	1 37	23 50	6 47	8 53	9 16	20 32	15 15	2 31
W 5	16 23	19 32	4 32	22 20	1 57	6 7	1 39	24 47	1 22	10 57	0 53	21 12	0 9	23 32	0 21	2 32	1 37	23 50	6 47	8 57	9 17	20 29	15 16	2 31
T 6	16 39	23 49	4 56	22 48	2 3	6 35	1 39	24 46	1 22	10 54	0 53	21 12	0 9	23 32	0 21	2 32	1 37	23 50	6 47	9 1	9 18	20 27	15 17	2 31
F 7	16 56	26 48	5 2	23 13	2 9	7 2	1 38	24 45	1 22	10 51	0 53	21 12	0 9	23 31	0 21	2 31	1 37	23 51	6 47	9 5	9 20	20 24	15 18	2 31
S 8	17 12	28 7	4 49	23 36	2 13	7 30	1 38	24 43	1 22	10 49	0 54	21 13	0 9	23 31	0 21	2 31	1 37	23 51	6 48	9 9	9 21	20 22	15 19	2 32
S 9	17 28	27 34	4 19	23 56	2 17	7 57	1 38	24 41	1 22	10 46	0 54	21 13	0 9	23 31	0 21	2 30	1 37	23 51	6 48	9 11	9 22	20 19	15 20	2 32
M10	17 44	25 12	3 33	24 14	2 21	8 24	1 37	24 39	1 22	10 43	0 54	21 13	0 9	23 31	0 21	2 30	1 37	23 51	6 48	9 13	9 23	20 17	15 22	2 32
T 11	17 59	21 15	2 33	24 30	2 23	8 51	1 36	24 37	1 22	10 40	0 54	21 13	0 9	23 31	0 21	2 30	1 37	23 51	6 48	9 14	9 24	20 14	15 23	2 32
W12	18 15	16 6	1 24	24 43	2 24	9 18	1 36	24 35	1 22	10 38	0 55	21 13	0 8	23 30	0 21	2 29	1 37	23 52	6 49	9 14	9 26	20 12	15 24	2 32
T 13	18 29	10 8	0 10	24 54	2 25	9 44	1 35	24 32	1 22	10 35	0 55	21 14	0 8	23 30	0 21	2 29	1 37	23 52	6 49	9 14	9 27	20 9	15 25	2 32
F 14	18 44	3 43	1n 3	25 3	2 24	10 11	1 34	24 30	1 22	10 32	0 55	21 14	0 8	23 30	0 21	2 28	1 37	23 52	6 49	9 15	9 28	20 7	15 26	2 32
S 15	18 58	2n49	2 12	25 10	2 23	10 37	1 33	24 27	1 22	10 30	0 55	21 14	0 8	23 30	0 21	2 28	1 37	23 52	6 49	9 15	9 29	20 4	15 27	2 32
S 16	19 12	9 9	3 13	25 15	2 21	11 3	1 32	24 24	1 22	10 27	0 56	21 14	0 8	23 30	0 21	2 28	1 37	23 53	6 50	9 17	9 30	20 1	15 28	2 32
M17	19 26	14 58	4 1	25 18	2 18	11 28	1 31	24 21	1 21	10 25	0 56	21 15	0 8	23 29	0 21	2 27	1 37	23 53	6 50	9 20	9 31	19 59	15 29	2 32
T 18	19 39	20 0	4 36	25 19	2 14	11 54	1 30	24 17	1 21	10 23	0 56	21 15	0 8	23 29	0 21	2 27	1 37	23 53	6 50	9 23	9 33	19 56	15 30	2 32
W19	19 52	23 59	4 56	25 19	2 9	12 19	1 29	24 14	1 21	10 20	0 56	21 15	0 8	23 29	0 21	2 26	1 37	23 54	6 51	9 28	9 34	19 54	15 31	2 33
T 20	20 4	26 42	5 0	25 17	2 3	12 44	1 28	24 10	1 21	10 18	0 57	21 16	0 8	23 29	0 21	2 26	1 37	23 54	6 51	9 33	9 35	19 51	15 32	2 33
F 21	20 17	27 59	4 49	25 13	1 57	13 8	1 27	24 6	1 21	10 16	0 57	21 16	0 8	23 29	0 21	2 26	1 37	23 54	6 51	9 37	9 36	19 49	15 33	2 33
S 22	20 29	27 49	4 24	25 8	1 49	13 32	1 25	24 2	1 21	10 14	0 57	21 16	0 8	23 28	0 21	2 26	1 37	23 54	6 51	9 41	9 37	19 46	15 34	2 33
S 23	20 40	26 18	3 48	25 1	1 41	13 56	1 24	23 58	1 21	10 12	0 57	21 17	0 8	23 28	0 21	2 25	1 37	23 55	6 52	9 45	9 38	19 43	15 35	2 33
M24	20 51	23 36	3 2	24 54	1 31	14 20	1 22	23 54	1 21	10 10	0 58	21 17	0 8	23 28	0 21	2 25	1 37	23 55	6 52	9 47	9 40	19 41	15 36	2 33
T 25	21 2	19 56	2 8	24 45	1 21	14 43	1 21	23 49	1 20	10 8	0 58	21 18	0 8	23 28	0 21	2 25	1 37	23 55	6 52	9 48	9 41	19 38	15 37	2 33
W26	21 12	15 28	1 9	24 34	1 10	15 6	1 19	23 44	1 20	10 6	0 58	21 18	0 7	23 27	0 21	2 24	1 37	23 56	6 52	9 49	9 42	19 36	15 38	2 33
T 27	21 23	10 26	0 7	24 23	0 58	15 29	1 18	23 39	1 20	10 4	0 58	21 18	0 7	23 27	0 21	2 24	1 37	23 56	6 53	9 49	9 43	19 33	15 39	2 33
F 28	21 32	4 59	0s56	24 11	0 45	15 51	1 16	23 34	1 20	10 2	0 59	21 19	0 7	23 27	0 21	2 24	1 37	23 56	6 53	9 49	9 44	19 30	15 40	2 34
S 29	21 42	0s45	1 57	23 58	0 31	16 13	1 15	23 29	1 20	10 1	0 59	21 19	0 7	23 27	0 21	2 24	1 37	23 57	6 53	9 49	9 45	19 28	15 41	2 34
S 30	21 51	6 35	2 55	23 44	0 17	16 34	1 13	23 24	1 20	9 59	0 59	21 20	0 7	23 26	0 21	2 23	1 37	23 57	6 53	9 50	9 46	19 25	15 42	2 34
M31	21n59	12s19	3s45	23n29	0n 2	16n55	1s11	23n18	1n20	9s57	1s 0	21s20	0n 7	23n26	0n21	2s23	1n36	23s58	6s53	9s52	9s48	19n22	15n43	2s34

Julian Day Number = 2372773.5, Delta T = 22.26 sec
Ecliptic obliquity = 23°28'11, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°43'45, Lahiri = 20°50'45Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1784

geocentric

JUNE 1784

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 40 23	11 ^{II} 1'27	5 ^{III} 57	27°R29	22 ^{II} 21	20 ^{III} 31	6 ^{II} 52	23°R15	10 ^{III} 12	9°R44	11°R31	4°R22	4 ^{II} 40	11 ^{II} 25	21 ^{II} 41	T 1
W 2	16 44 20	11°58'50	19°37	27 ^{II} 28	23°34	21° 8	6°56	23 ^{II} 12	10°15	9 ^{II} 43	11 ^{II} 30	4 ^{II} 13	4°37	11°32	21°46	W 2
T 3	16 48 17	12°56'13	3 ^{II} 42	27°22	24°47	21°45	7° 1	23° 9	10°18	9°43	11°30	4° 2	4°33	11°39	21°50	T 3
F 4	16 52 13	13°53'35	18° 5	27°11	26° 0	22°22	7° 5	23° 7	10°22	9°42	11°29	3°50	4°30	11°45	21°54	F 4
S 5	16 56 10	14°50'56	2 ^{II} 42	26°57	27°13	23° 0	7° 9	23° 4	10°25	9°42	11°29	3°40	4°27	11°52	21°58	S 5
S 6	17 0 6	15°48'16	17°24	26°38	28°27	23°37	7°13	23° 1	10°28	9°41	11°28	3°32	4°24	11°59	22° 2	S 6
M 7	17 4 3	16°45'36	2 ^{II} 5	26°16	29°40	24°14	7°17	22°58	10°32	9°41	11°27	3°27	4°21	12° 5	22° 6	M 7
T 8	17 7 59	17°42'55	16°37	25°51	0 ^{II} 53	24°51	7°20	22°55	10°35	9°41	11°27	3°24	4°17	12°12	22°10	T 8
W 9	17 11 56	18°40'14	0 ^{II} 58	25°23	2° 6	25°28	7°24	22°51	10°39	9°40	11°26	3°D23	4°14	12°19	22°14	W 9
T 10	17 15 53	19°37'32	15° 4	24°53	3°19	26° 5	7°27	22°48	10°42	9°40	11°25	3°R23	4°11	12°25	22°18	T 10
F 11	17 19 49	20°34'50	28°56	24°21	4°32	26°42	7°30	22°45	10°45	9°39	11°24	3°23	4° 8	12°32	22°22	F 11
S 12	17 23 46	21°32'07	12 ^{II} 34	23°48	5°46	27°20	7°33	22°41	10°49	9°39	11°24	3°21	4° 5	12°39	22°26	S 12
S 13	17 27 42	22°29'25	25°58	23°14	6°59	27°57	7°35	22°38	10°52	9°39	11°23	3°17	4° 2	12°45	22°30	S 13
M14	17 31 39	23°26'41	9 ^{II} 8	22°40	8°12	28°34	7°38	22°34	10°56	9°39	11°22	3°11	3°58	12°52	22°34	M14
T 15	17 35 35	24°23'58	22° 8	22° 6	9°25	29°11	7°40	22°31	10°59	9°39	11°21	3° 2	3°55	12°59	22°38	T 15
W16	17 39 32	25°21'14	4 ^{II} 55	21°34	10°38	29°48	7°42	22°27	11° 3	9°38	11°20	2°51	3°52	13° 5	22°41	W16
T 17	17 43 28	26°18'30	17°30	21° 3	11°52	0 ^{II} 26	7°44	22°23	11° 6	9°38	11°20	2°40	3°49	13°12	22°45	T 17
F 18	17 47 25	27°15'46	29°54	20°34	13° 5	1° 3	7°46	22°20	11°10	9°38	11°19	2°28	3°46	13°19	22°49	F 18
S 19	17 51 22	28°13'01	12 ^{II} 6	20° 8	14°18	1°40	7°47	22°16	11°14	9°38	11°18	2°18	3°43	13°25	22°53	S 19
S 20	17 55 18	29°10'16	24° 8	19°44	15°32	2°17	7°49	22°12	11°17	9°D38	11°17	2°10	3°39	13°32	22°57	S 20
M21	17 59 15	0 ^{II} 730	6 ^{II} 2	19°25	16°45	2°55	7°50	22° 8	11°21	9°38	11°16	2° 4	3°36	13°38	23° 0	M21
T 22	18 3 11	1° 4'44	17°51	19° 9	17°58	3°32	7°51	22° 4	11°24	9°38	11°15	2° 1	3°33	13°45	23° 4	T 22
W23	18 7 8	2° 1'57	29°37	18°57	19°12	4° 9	7°51	22° 0	11°28	9°38	11°14	2°D 0	3°30	13°52	23° 8	W23
T 24	18 11 4	2°59'10	11 ^{II} 27	18°49	20°25	4°47	7°52	21°56	11°31	9°38	11°13	2° 0	3°27	13°58	23°11	T 24
F 25	18 15 1	3°56'22	23°23	18°D46	21°38	5°24	7°52	21°52	11°35	9°39	11°12	2° 1	3°23	14° 5	23°15	F 25
S 26	18 18 57	4°53'34	5 ^{II} 32	18°48	22°52	6° 1	7°R52	21°48	11°39	9°39	11°11	2°R 1	3°20	14°12	23°18	S 26
S 27	18 22 54	5°50'45	17°59	18°54	24° 5	6°39	7°52	21°44	11°42	9°39	11°10	2° 0	3°17	14°18	23°22	S 27
M28	18 26 51	6°47'56	0 ^{II} 49	19° 6	25°19	7°16	7°52	21°40	11°46	9°39	11° 9	1°58	3°14	14°25	23°25	M28
T 29	18 30 47	7°45'07	14° 4	19°22	26°32	7°53	7°52	21°36	11°50	9°39	11° 8	1°53	3°11	14°32	23°29	T 29
W30	18 34 44	8°42'17	27 ^{II} 48	19 ^{II} 43	27 ^{II} 45	8°D31	7 ^{II} 51	21 ^{II} 31	11°53	9°40	11° 7	1°47	3° 8	14°38	23°32	W30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	22n 7	17s41	4s25	23n13	0s14	17n16	1s 9	23n13	1n19	9s56	1s 0	21s21	0n 7	23n26	0n21	T 1
W 2	22 15	22 20	4 51	22 57	0 30	17 36	1 7	23 7	1 19	9 54	1 0	21 21	0 7	23 26	0 21	W 2
T 3	22 23	25 50	5 1	22 40	0 46	17 56	1 5	23 1	1 19	9 53	1 0	21 22	0 7	23 25	0 21	T 3
F 4	22 30	27 47	4 52	22 23	1 3	18 15	1 4	22 55	1 19	9 52	1 1	21 23	0 7	23 25	0 21	F 4
S 5	22 36	27 50	4 24	22 6	1 20	18 34	1 2	22 48	1 19	9 50	1 1	21 23	0 7	23 25	0 21	S 5
S 6	22 43	25 56	3 38	21 48	1 37	18 52	1 0	22 42	1 19	9 49	1 1	21 24	0 7	23 25	0 21	S 6
M 7	22 49	22 17	2 38	21 31	1 54	19 10	0 57	22 35	1 19	9 48	1 1	21 24	0 7	23 24	0 21	M 7
T 8	22 54	17 16	1 28	21 13	2 11	19 27	0 55	22 28	1 18	9 47	1 2	21 25	0 6	23 24	0 21	T 8
W 9	22 59	11 21	0 13	20 56	2 28	19 44	0 53	22 21	1 18	9 46	1 2	21 26	0 6	23 24	0 21	W 9
T 10	23 4	4 57	1n 2	20 38	2 44	20 1	0 51	22 14	1 18	9 45	1 2	21 26	0 6	23 24	0 21	T 10
F 11	23 8	1n35	2 11	20 22	2 59	20 16	0 49	22 7	1 18	9 44	1 3	21 27	0 6	23 23	0 21	F 11
S 12	23 12	7 55	3 12	20 6	3 14	20 32	0 47	21 59	1 18	9 43	1 3	21 27	0 6	23 23	0 21	S 12
S 13	23 15	13 47	4 1	19 50	3 28	20 46	0 44	21 52	1 17	9 43	1 3	21 28	0 6	23 23	0 21	S 13
M14	23 18	18 56	4 37	19 36	3 40	21 0	0 42	21 44	1 17	9 42	1 4	21 29	0 6	23 22	0 21	M14
T 15	23 21	23 6	4 57	19 23	3 52	21 14	0 40	21 36	1 17	9 41	1 4	21 29	0 6	23 22	0 21	T 15
W16	23 23	26 6	5 2	19 11	4 2	21 27	0 38	21 28	1 17	9 41	1 4	21 30	0 6	23 22	0 21	W16
T 17	23 25	27 44	4 52	19 0	4 11	21 39	0 35	21 20	1 17	9 40	1 4	21 31	0 6	23 22	0 21	T 17
F 18	23 26	27 57	4 29	18 50	4 18	21 51	0 33	21 12	1 17	9 40	1 5	21 31	0 6	23 21	0 21	F 18
S 19	23 27	26 47	3 53	18 43	4 24	22 2	0 31	21 3	1 16	9 40	1 5	21 32	0 6	23 21	0 21	S 19
S 20	23 28	24 23	3 8	18 36	4 29	22 13	0 28	20 55	1 16	9 40	1 5	21 33	0 5	23 21	0 21	S 20
M21	23 28	20 57	2 14	18 32	4 32	22 23	0 26	20 46	1 16	9 39	1 6	21 34	0 5	23 20	0 21	M21
T 22	23 28	16 42	1 15	18 29	4 34	22 32	0 23	20 37	1 16	9 39	1 6	21 34	0 5	23 20	0 21	T 22
W23	23 27	11 49	0 13	18 28	4 34	22 41	0 21	20 28	1 16	9 39	1 6	21 35	0 5	23 20	0 21	W23
T 24	23 26	6 30	0s50	18 28	4 33	22 49	0 18	20 19	1 15	9 39	1 6	21 36	0 5	23 19	0 21	T 24
F 25	23 25	0 55	1 52	18 30	4 30	22 56	0 16	20 10	1 15	9 40	1 7	21 36	0 5	23 19	0 21	F 25
S 26	23 23	4s48	2 50	18 34	4 27	23 3	0 14	20 0	1 15	9 40	1 7	21 37	0 5	23 19	0 21	S 26
S 27	23 20	10 28	3 41	18 39	4 22	23 9	0 11	19 51	1 15	9 40	1 7	21 38	0 5	23 19	0 21	S 27
M28	23 18	15 52	4 23	18 46	4 16	23 14	0 9	19 41	1 15	9 40	1 8	21 39	0 5	23 18	0 21	M28
T 29	23 15	20 44	4 52	18 54	4 9	23 19	0 6	19 31	1 14	9 41	1 8	21 39	0 5	23 18	0 21	T 29
W30	23n11	24s40	5s 6	19n 3	4s 2	23n23	0s 4	19n21	1n14	9s41	1s 8	21s40	0n 5	23n18	0n21	W30

Julian Day Number = 2372804.5, Delta T = 22.25 sec

Ecliptic obliquity = 23°28'10, Nutation = 0°00'06, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 21°43'49, Lahiri = 20°50'50Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1784

geocentric

JULY 1784

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 38 40	9 ⁵³ 27	11 ⁵⁹ 59	20 ¹¹ 10	28 ¹¹ 59	9 ⁰ 8	7 ⁰ R50	21 ⁰ R27	11 ⁵ 57	9 ⁰ 40	11 ⁰ R 6	1 ⁰ R39	3 ⁰ 4	14 ⁰ 45	23 ⁰ 35	T 1
F 2	18 42 37	10 ⁰ 36'38	26 ⁰ 35	20 ⁰ 41	0 ⁰ 512	9 ⁰ 45	7 ⁰ 49	21 ⁰ 23	12 ⁰ 0	9 ⁰ 40	11 ⁰ 5	1 ⁰ 31	3 ⁰ 1	14 ⁰ 52	23 ⁰ 39	F 2
S 3	18 46 33	11 ⁰ 33'48	11 ⁰ 27	21 ⁰ 17	1 ⁰ 26	10 ⁰ 23	7 ⁰ 48	21 ⁰ 18	12 ⁰ 4	9 ⁰ 41	11 ⁰ 3	1 ⁰ 24	2 ⁰ 58	14 ⁰ 58	23 ⁰ 42	S 3
S 4	18 50 30	12 ⁰ 30'58	26 ⁰ 29	21 ⁰ 58	2 ⁰ 39	11 ⁰ 0	7 ⁰ 47	21 ⁰ 14	12 ⁰ 8	9 ⁰ 41	11 ⁰ 2	1 ⁰ 19	2 ⁰ 55	15 ⁰ 5	23 ⁰ 45	S 4
M 5	18 54 27	13 ⁰ 28'08	11 ⁰ 30	22 ⁰ 44	3 ⁰ 53	11 ⁰ 37	7 ⁰ 45	21 ⁰ 10	12 ⁰ 11	9 ⁰ 42	11 ⁰ 1	1 ⁰ 15	2 ⁰ 52	15 ⁰ 12	23 ⁰ 48	M 5
T 6	18 58 23	14 ⁰ 25'19	26 ⁰ 23	23 ⁰ 34	5 ⁰ 6	12 ⁰ 15	7 ⁰ 43	21 ⁰ 5	12 ⁰ 15	9 ⁰ 42	11 ⁰ 0	1 ⁰ D14	2 ⁰ 49	15 ⁰ 18	23 ⁰ 51	T 6
W 7	19 2 20	15 ⁰ 22'30	11 ⁰ 1	24 ⁰ 30	6 ⁰ 20	12 ⁰ 52	7 ⁰ 41	21 ⁰ 1	12 ⁰ 19	9 ⁰ 43	10 ⁰ 59	1 ⁰ 14	2 ⁰ 45	15 ⁰ 25	23 ⁰ 55	W 7
T 8	19 6 16	16 ⁰ 19'41	25 ⁰ 19	25 ⁰ 30	7 ⁰ 34	13 ⁰ 30	7 ⁰ 39	20 ⁰ 57	12 ⁰ 22	9 ⁰ 43	10 ⁰ 58	1 ⁰ 15	2 ⁰ 42	15 ⁰ 32	23 ⁰ 58	T 8
F 9	19 10 13	17 ⁰ 16'53	9 ⁰ 17	26 ⁰ 34	8 ⁰ 47	14 ⁰ 7	7 ⁰ 37	20 ⁰ 52	12 ⁰ 26	9 ⁰ 44	10 ⁰ 56	1 ⁰ 16	2 ⁰ 39	15 ⁰ 38	24 ⁰ 1	F 9
S 10	19 14 9	18 ⁰ 14'06	22 ⁰ 54	27 ⁰ 44	10 ⁰ 1	14 ⁰ 45	7 ⁰ 34	20 ⁰ 48	12 ⁰ 30	9 ⁰ 45	10 ⁰ 55	1 ⁰ R16	2 ⁰ 36	15 ⁰ 45	24 ⁰ 4	S 10
S 11	19 18 6	19 ⁰ 11'19	6 ⁰ 11	28 ⁰ 57	11 ⁰ 14	15 ⁰ 22	7 ⁰ 32	20 ⁰ 43	12 ⁰ 33	9 ⁰ 45	10 ⁰ 54	1 ⁰ 15	2 ⁰ 33	15 ⁰ 52	24 ⁰ 7	S 11
M12	19 22 2	20 ⁰ 8'33	19 ⁰ 11	0 ⁰ 515	12 ⁰ 28	16 ⁰ 0	7 ⁰ 29	20 ⁰ 39	12 ⁰ 37	9 ⁰ 46	10 ⁰ 53	1 ⁰ 12	2 ⁰ 29	15 ⁰ 58	24 ⁰ 9	M12
T 13	19 25 59	21 ⁰ 5'47	1 ⁰ 1155	1 ⁰ 38	13 ⁰ 42	16 ⁰ 37	7 ⁰ 26	20 ⁰ 34	12 ⁰ 40	9 ⁰ 47	10 ⁰ 51	1 ⁰ 7	2 ⁰ 26	16 ⁰ 5	24 ⁰ 12	T 13
W14	19 29 56	22 ⁰ 3'02	14 ⁰ 26	3 ⁰ 5	14 ⁰ 55	17 ⁰ 15	7 ⁰ 22	20 ⁰ 30	12 ⁰ 44	9 ⁰ 47	10 ⁰ 50	1 ⁰ 1	2 ⁰ 23	16 ⁰ 11	24 ⁰ 15	W14
T 15	19 33 52	23 ⁰ 0'18	26 ⁰ 46	4 ⁰ 35	16 ⁰ 9	17 ⁰ 52	7 ⁰ 19	20 ⁰ 26	12 ⁰ 48	9 ⁰ 48	10 ⁰ 49	0 ⁰ 54	2 ⁰ 20	16 ⁰ 18	24 ⁰ 18	T 15
F 16	19 37 49	23 ⁰ 57'34	8 ⁰ 55	6 ⁰ 10	17 ⁰ 23	18 ⁰ 30	7 ⁰ 15	20 ⁰ 21	12 ⁰ 51	9 ⁰ 49	10 ⁰ 47	0 ⁰ 47	2 ⁰ 17	16 ⁰ 25	24 ⁰ 21	F 16
S 17	19 41 45	24 ⁰ 54'51	20 ⁰ 56	7 ⁰ 49	18 ⁰ 37	19 ⁰ 7	7 ⁰ 11	20 ⁰ 17	12 ⁰ 55	9 ⁰ 50	10 ⁰ 46	0 ⁰ 42	2 ⁰ 14	16 ⁰ 31	24 ⁰ 23	S 17
S 18	19 45 42	25 ⁰ 52'08	2 ⁰ 50	9 ⁰ 31	19 ⁰ 50	19 ⁰ 45	7 ⁰ 7	20 ⁰ 12	12 ⁰ 58	9 ⁰ 51	10 ⁰ 45	0 ⁰ 37	2 ⁰ 10	16 ⁰ 38	24 ⁰ 26	S 18
M19	19 49 38	26 ⁰ 49'26	14 ⁰ 39	11 ⁰ 17	21 ⁰ 4	20 ⁰ 23	7 ⁰ 3	20 ⁰ 8	13 ⁰ 2	9 ⁰ 52	10 ⁰ 44	0 ⁰ 34	2 ⁰ 7	16 ⁰ 45	24 ⁰ 28	M19
T 20	19 53 35	27 ⁰ 46'45	26 ⁰ 26	13 ⁰ 6	22 ⁰ 18	21 ⁰ 0	6 ⁰ 59	20 ⁰ 4	13 ⁰ 5	9 ⁰ 52	10 ⁰ 42	0 ⁰ D33	2 ⁰ 4	16 ⁰ 51	24 ⁰ 31	T 20
W21	19 57 31	28 ⁰ 44'03	8 ⁰ 13	14 ⁰ 58	23 ⁰ 32	21 ⁰ 38	6 ⁰ 54	19 ⁰ 59	13 ⁰ 9	9 ⁰ 53	10 ⁰ 41	0 ⁰ 33	2 ⁰ 1	16 ⁰ 58	24 ⁰ 33	W21
T 22	20 1 28	29 ⁰ 41'23	20 ⁰ 3	16 ⁰ 53	24 ⁰ 46	22 ⁰ 16	6 ⁰ 50	19 ⁰ 55	13 ⁰ 13	9 ⁰ 54	10 ⁰ 40	0 ⁰ 34	1 ⁰ 58	17 ⁰ 5	24 ⁰ 36	T 22
F 23	20 5 25	0 ⁰ 38'42	2 ⁰ 1	18 ⁰ 51	26 ⁰ 0	22 ⁰ 53	6 ⁰ 45	19 ⁰ 51	13 ⁰ 16	9 ⁰ 55	10 ⁰ 38	0 ⁰ 36	1 ⁰ 55	17 ⁰ 11	24 ⁰ 38	F 23
S 24	20 9 21	1 ⁰ 36'02	14 ⁰ 11	20 ⁰ 50	27 ⁰ 13	23 ⁰ 31	6 ⁰ 40	19 ⁰ 46	13 ⁰ 20	9 ⁰ 56	10 ⁰ 37	0 ⁰ 38	1 ⁰ 51	17 ⁰ 18	24 ⁰ 40	S 24
S 25	20 13 18	2 ⁰ 33'23	26 ⁰ 37	22 ⁰ 52	28 ⁰ 27	24 ⁰ 9	6 ⁰ 35	19 ⁰ 42	13 ⁰ 23	9 ⁰ 58	10 ⁰ 36	0 ⁰ R39	1 ⁰ 48	17 ⁰ 25	24 ⁰ 43	S 25
M26	20 17 14	3 ⁰ 30'44	9 ⁰ 113	24 ⁰ 54	29 ⁰ 41	24 ⁰ 46	6 ⁰ 29	19 ⁰ 38	13 ⁰ 27	9 ⁰ 59	10 ⁰ 34	0 ⁰ 39	1 ⁰ 45	17 ⁰ 31	24 ⁰ 45	M26
T 27	20 21 11	4 ⁰ 28'06	22 ⁰ 35	26 ⁰ 58	0 ⁰ 55	25 ⁰ 24	6 ⁰ 24	19 ⁰ 34	13 ⁰ 30	10 ⁰ 0	10 ⁰ 33	0 ⁰ 37	1 ⁰ 42	17 ⁰ 38	24 ⁰ 47	T 27
W28	20 25 7	5 ⁰ 25'29	6 ⁰ 13	29 ⁰ 3	2 ⁰ 9	26 ⁰ 2	6 ⁰ 18	19 ⁰ 29	13 ⁰ 33	10 ⁰ 1	10 ⁰ 32	0 ⁰ 35	1 ⁰ 39	17 ⁰ 45	24 ⁰ 49	W28
T 29	20 29 4	6 ⁰ 22'52	20 ⁰ 20	1 ⁰ 9	3 ⁰ 23	26 ⁰ 40	6 ⁰ 12	19 ⁰ 25	13 ⁰ 37	10 ⁰ 2	10 ⁰ 30	0 ⁰ 32	1 ⁰ 35	17 ⁰ 51	24 ⁰ 51	T 29
F 30	20 33 0	7 ⁰ 20'16	4 ⁰ 53	3 ⁰ 14	4 ⁰ 37	27 ⁰ 17	6 ⁰ 7	19 ⁰ 21	13 ⁰ 40	10 ⁰ 3	10 ⁰ 29	0 ⁰ 29	1 ⁰ 32	17 ⁰ 58	24 ⁰ 53	F 30
S 31	20 36 57	8 ⁰ 17'40	19 ⁰ 347	5 ⁰ 19	5 ⁰ 51	27 ⁰ 55	6 ⁰ 1	19 ⁰ 17	13 ⁰ 44	10 ⁰ 5	10 ⁰ 27	0 ⁰ 26	1 ⁰ 29	18 ⁰ 5	24 ⁰ 55	S 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	23n 7	27s14	5s 2	19n14	3s53	23n27	0s 1	19n11	1n14	9s42	1s 9	21s41	0n 5	23n17	0n21	2s23	1n35	24s11	7s 0	10s54	10s23	17n59	16n 7	2s39	16n 7	2s39	16n 7	2s39	16n 7	2s39	16n 7
F 2	23 3	28 4	4 38	19 26	3 43	23 29	0n 1	19 1	1 14	9 43	1 9	21 42	0 4	23 17	0 21	2 23	1 35	24 12	7 0	10 57	10 25	17 56	16 8	2 40	16 8	2 40	16 8	2 40	16 8	2 40	16 8
S 3	22 58	26 53	3 56	19 38	3 33	23 31	0 3	18 50	1 13	9 43	1 9	21 42	0 4	23 17	0 21	2 23	1 35	24 12	7 0	10 59	10 26	17 53	16 8	2 40	16 8	2 40	16 8	2 40	16 8	2 40	16 8
S 4	22 53	23 46	2 56	19 51	3 23	23 32	0 6	18 40	1 13	9 44	1 9	21 43	0 4	23 16	0 21	2 23	1 35	24 13	7 1	11 1	10 27	17 50	16 9	2 40	16 9	2 40	16 9	2 40	16 9	2 40	16 9
M 5	22 47	19 2	1 45	20 5	3 11	23 33	0 8	18 29	1 13	9 45	1 10	21 44	0 4	23 16	0 21	2 24	1 35	24 13	7 1	11 3	10 28	17 48	16 10	2 40	16 10	2 40	16 10	2 40	16 10	2 40	16 10
T 6	22 41	13 9	0 26	20 20	2 59	23 33	0 11	18 19	1 13	9 46	1 10	21 45	0 4	23 16	0 21	2 24	1 35	24 14	7 1	11 3	10 29	17 45	16 10	2 40	16 10	2 40	16 10	2 40	16 10	2 40	16 10
W 7	22 35	6 38	0n53	20 34	2 47	23 32	0 13	18 8	1 13	9 47	1 10	21 45	0 4	23 15	0 21	2 24	1 35	24 14	7 1	11 3	10 30	17 42	16 11	2 41	16 11	2 41	16 11	2 41	16 11	2 41	16 11
T 8	22 28	0n 5	2 7	20 49	2 34	23 31	0 15	17 57	1 12	9 48	1 11	21 46	0 4	23 15	0 22	2 24	1 35	24 15	7 1	11 3	10 31	17 39	16 11	2 41	16 11	2 41	16 11	2 41	16 11	2 41	16 11
F 9	22 21	6 37	3 11	21 4	2 21	23 28	0 18	17 46	1 12	9 49	1 11	21 47	0 4	23 15	0 22	2 25	1 35	24 15	7 1	11 2	10 33	17 37	16 12	2 41	16 12	2 41	16 12	2 41	16 12	2 41	16 12
S 10	22 14	12 41	4 3	21 19	2 8	23 26	0 20	17 35	1 12	9 50	1 11	21 48	0 4	23 14	0 22	2 25	1 35	24 16	7 1	11 2	10 34	17 34	16 12	2 41	16 12	2 41	16 12	2 41	16 12	2 41	16 12
S 11	22 6	18 1	4 41	21 33	1 55	23 22	0 22	17 23	1 12	9 52	1 11	21 49	0 4	23 14	0 22	2 25	1 35	24 16	7 2	11 3	10 35	17 31	16 13	2 42	16 13	2 42	16 13	2 42	16 13	2 42	16 13
M12	21 57	22 24	5 3	21 47	1 41	23 18	0 25	17 12	1 11	9 53	1 12	21 49	0 4	23 14	0 22	2 25	1 35	24 17	7 2	11 4	10 36	17 28	16 13	2 42	16 13	2 42	16 13	2 42	16 13	2 42	16 13
T 13	21 49	25 38	5 10	22 0	1 28	23 13	0 27	17 0	1 11	9 54	1 12	21 50	0 4	23 13	0 22	2 26	1 34	24 17	7 2	11 6	10 37	17 25	16 14	2 42	16 14	2 42	16 14	2 42	16 14	2 42	16 14
W14	21 40	27 33	5 2	22 12	1 14	23 7	0 29	16 49	1 11	9 56	1 12	21 51	0 3	23 13	0 22	2 26	1 34	24 18	7 2	11 8	10 38	17 23	16 14	2 42	16 14	2 42	16 14	2 42	16 14	2 42	16 14
T 15	21 30	28 5	4 39	22 23	1 0	23 1	0 32	16 37	1 11	9 57	1 13	21 52	0 3	23 13	0 22	2 26	1 34	24 18	7 2	11 10	10 39	17 20	16 15	2 42	16 15	2 42	16 15	2 42	16 15	2 42	16 15
F 16	21 21	27 14	4 5	22 33	0 47	22 54	0 34	16 25	1 10	9 59	1 13	21 52	0 3	23 12	0 22	2 27	1 34	24 19	7 2	11 12	10 41	17 17	16 15	2 43	16 15	2 43	16 15	2 43	16 15	2 43	16 15
S 17	21 10	25 7	3 19	22 41	0 34	22 46	0 36	16 13	1 10	10 1	1 13	21 53	0 3	23 12	0 22	2 27	1 34	24 19	7 2	11 14	10 42	17 14	16 15	2 43	16 15	2 43	16 15	2 43	16 15	2 43	16 15
S 18	21 0	21 55	2 26	22 47	0 21	22 38	0 38	16 1	1 10	10 2	1 13	21 54	0 3	23 12	0 22	2 28	1 34	24 19	7 3	11 16	10 43	17 11	16 16	2 43	16 16	2 43	16 16	2 43	16 16	2 43	16 16
M19	20 49	17 50	1 26	22 51	0 8	22 29	0 40	15 49	1 10	10 4	1 14	21 55	0 3	23 11	0 22	2 28	1 34	24 20	7 3	11 17	10 44	17 8	16 16	2 43	16 16	2 43	16 16	2 43	16 16	2 43	16 16
T 20	20 38	13 4	0 23	22 53	0n 4	22 19	0 42	15 37	1 9	10 6	1 14	21 55	0 3	23 11	0 22	2 28	1 34	24 20	7 3	11 18	10 45	17 6	16 17	2 44	16 17	2 44	16 17	2 44	16 17	2 44	16 17
W21	20 26	7 51	0s42	22 53	0 16	22 9	0 44	15 24	1 9	10 8	1 14	21 56	0 3	23 11	0 22	2 29	1 34	24 21	7 3	11 17	10 46	17 3	16 17	2 44	16 17	2 44	16 17	2 44	16 17	2 44	16 17
T 22	20 14	2 20	1 45	22 51	0 27	21 58	0 46	15 12	1 9	10 10	1 14	21 57	0 3	23 10	0 22	2 29	1 34	24 21	7 3	11 17	10 47	17 0	16 17	2 44	16 17	2 44	16 17	2 44	16 17	2 44	16 17
F 23	20 2	3s19	2 44	22 46	0 37	21 46	0 48	14 59	1 9	10 12	1 15	21 57	0 3	23 10	0 22	2 30	1 34	24 22	7 3	11 16	10 49	16 57	16 18	2 44	16 18	2 44	16 18	2 44	16 18	2 44	16 18
S 24	19 50	8 56	3 37	22 38	0 47	21 34	0 50	14 46	1 8	10 14	1 15	21 58	0 3	23 10	0 22	2 30	1 34	24 22	7 3	11 16	10 50	16 54	16 18	2 45	16 18	2 45	16 18	2 45	16 18	2 45	16 18
S 25	19 37	14 20	4 21	22 28	0 57	21 21	0 52	14 34	1 8	10 16	1 15	21 59	0 2	23 9	0 22	2 31	1 34	24 23	7 3	11 16	10 51	16 51	16 18	2 45	16 18	2 45	16 18	2 45	16 18	2 45	16 18
M26	19 24	19 16	4 53	22 14	1 5	21 7	0 54	14 21	1 8	10 19	1 15	22 0	0 2	23 9	0 22	2 31	1 34	24 23	7 3	11 16	10 52	16 49	16 18	2 45	16 18	2 45	16 18	2 45	16 18	2 45	16 18
T 27	19 10	23 27	5 12	21 59	1 13	20 53	0 56	14 8	1 7	10 21	1 16	22 0	0 2	23 9	0 22	2 32	1 34	24 24	7 4	11 16	10 53	16 46	16 19	2 46	16 19	2 46	16 19	2 46	16 19	2 46	16 19
W28	18 56	26 31	5 13	21 40	1 20	20 38	0 57	13 55	1 7	10 23	1 16	22 1	0 2	23 8	0 22	2 32	1 34	24 24	7 4	11 17	10 54	16 43	16 19	2 46	16 19	2 46	16 19	2 46	16 19	2 46	16 19
T 29	18 42	28 2	4 56	21 19	1 26	20 23	0 59	13 42	1 7	10 25	1 16	22 2	0 2	23 8	0 22	2 33	1 34	24 25	7 4	11 18	10 55	16 40	16 19	2 46	16 19	2 46	16 19	2 46	16 19	2 46	16 19
F 30	18 28	27 43	4 20	20 56	1 31	20 7	1 1	13 28	1 7	10 28	1 16	22 2	0 2	23 8	0 22	2 33	1 34	24 25	7 4	11 19	10 56	16 37	16 19	2 46	16 19	2 46	16 19	2 46	16 19	2 46	16 19
S 31	18n13	25s24	3s26	20n30	1n35	19n51	1n 2	13n15	1n 6	10s30	1s17	22s 3	0n 2	23n 7	0n22	2s34	1n34	24s26	7s 4	11s20	10s58	16n34	16m20	2s47	16m20	2s47	16m20	2s47	16m20	2s47	16m20

ASTRODIENST EPHEMERIS for the year 1784
geocentric

AUGUST 1784

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 40 54	9♏15°05	4♊55	7♏25	7♏ 5	28♏33	5°R54	19°R13	13♏47	10♏ 6	10°R26	0°R24	1♏26	18♏11	24♏57	S 1
M 2	20 44 50	10°12'32	20° 7	9°29	8°19	29°11	5♏48	19♏ 9	13°50	10° 7	10♏25	0♏23	1°23	18°18	24°59	M 2
T 3	20 48 47	11° 9'59	5♏15	11°33	9°33	29°49	5°42	19° 5	13°54	10° 8	10°23	0°D23	1°20	18°24	25° 0	T 3
W 4	20 52 43	12° 7'27	20° 9	13°36	10°47	0♏26	5°35	19° 1	13°57	10°10	10°22	0°23	1°16	18°31	25° 2	W 4
T 5	20 56 40	13° 4'57	4♏42	15°38	12° 1	1° 4	5°29	18°57	14° 0	10°11	10°21	0°25	1°13	18°38	25° 4	T 5
F 6	21 0 36	14° 2'28	18°52	17°38	13°15	1°42	5°22	18°54	14° 4	10°13	10°19	0°26	1°10	18°44	25° 5	F 6
S 7	21 4 33	15° 0'00	2♏36	19°38	14°29	2°20	5°15	18°50	14° 7	10°14	10°18	0°27	1° 7	18°51	25° 7	S 7
S 8	21 8 29	15°57'34	15°55	21°36	15°44	2°58	5° 8	18°46	14°10	10°15	10°17	0°R27	1° 4	18°58	25° 8	S 8
M 9	21 12 26	16°55'09	28°52	23°33	16°58	3°36	5° 1	18°43	14°13	10°17	10°15	0°27	1° 1	19° 4	25°10	M 9
T 10	21 16 23	17°52'46	11♏30	25°28	18°12	4°14	4°54	18°39	14°17	10°18	10°14	0°26	0°57	19°11	25°11	T 10
W 11	21 20 19	18°50'24	23°52	27°22	19°26	4°52	4°46	18°35	14°20	10°20	10°13	0°24	0°54	19°18	25°12	W 11
T 12	21 24 16	19°48'04	6♏ 0	29°15	20°40	5°30	4°39	18°32	14°23	10°21	10°11	0°23	0°51	19°24	25°14	T 12
F 13	21 28 12	20°45'46	18° 0	1♏ 6	21°54	6° 8	4°32	18°29	14°26	10°23	10°10	0°21	0°48	19°31	25°15	F 13
S 14	21 32 9	21°43'28	29°53	2°56	23° 9	6°46	4°24	18°25	14°29	10°25	10° 8	0°20	0°45	19°38	25°16	S 14
S 15	21 36 5	22°41'13	11♏41	4°44	24°23	7°24	4°17	18°22	14°32	10°26	10° 7	0°19	0°41	19°44	25°17	S 15
M 16	21 40 2	23°38'58	23°28	6°31	25°37	8° 2	4° 9	18°19	14°35	10°28	10° 6	0°19	0°38	19°51	25°18	M 16
T 17	21 43 58	24°36'45	5♏16	8°16	26°51	8°41	4° 1	18°16	14°38	10°30	10° 5	0°D19	0°35	19°58	25°19	T 17
W 18	21 47 55	25°34'33	17° 7	10° 1	28° 6	9°19	3°54	18°13	14°41	10°31	10° 3	0°19	0°32	20° 4	25°20	W 18
T 19	21 51 52	26°32'23	29° 3	11°43	29°20	9°57	3°46	18°10	14°44	10°33	10° 2	0°20	0°29	20°11	25°20	T 19
F 20	21 55 48	27°30'13	11♏ 7	13°24	0♏34	10°35	3°38	18° 7	14°47	10°35	10° 1	0°20	0°26	20°17	25°21	F 20
S 21	21 59 45	28°28'06	23°22	15° 4	1°49	11°13	3°30	18° 4	14°50	10°36	9°59	0°20	0°22	20°24	25°22	S 21
S 22	22 3 41	29°25'59	5♏52	16°43	3° 3	11°52	3°22	18° 1	14°53	10°38	9°58	0°20	0°19	20°31	25°22	S 22
M 23	22 7 38	0♏23'54	18°39	18°20	4°17	12°30	3°14	17°58	14°55	10°40	9°57	0°R20	0°16	20°37	25°23	M 23
T 24	22 11 34	1°21'50	1♏47	19°56	5°32	13° 8	3° 6	17°56	14°58	10°42	9°56	0°D20	0°13	20°44	25°23	T 24
W 25	22 15 31	2°19'47	15°18	21°31	6°46	13°46	2°59	17°53	15° 1	10°44	9°54	0°20	0°10	20°51	25°24	W 25
T 26	22 19 27	3°17'46	29°13	23° 4	8° 1	14°25	2°51	17°51	15° 4	10°45	9°53	0°21	0° 7	20°57	25°24	T 26
F 27	22 23 24	4°15'46	13♏33	24°36	9°15	15° 3	2°43	17°48	15° 6	10°47	9°52	0°21	0° 3	21° 4	25°24	F 27
S 28	22 27 21	5°13'48	28°15	26° 7	10°29	15°41	2°35	17°46	15° 9	10°49	9°51	0°21	0° 0	21°11	25°24	S 28
S 29	22 31 17	6°11'51	13♏44	27°36	11°44	16°20	2°27	17°44	15°12	10°51	9°49	0°22	29°57	21°17	25°25	S 29
M 30	22 35 14	7° 9'55	28°22	29° 4	12°58	16°58	2°19	17°42	15°14	10°53	9°48	0°R22	29°54	21°24	25°25	M 30
T 31	22 39 10	8♏ 8'01	13♏31	0♏31	14♏13	17♏37	2♏11	17♏40	15♏17	10♏55	9°47	0♏22	29°51	21♏31	25°R25	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	17n58	21s16	2s16	20n 2	1n39	19n33	1n 4	13n 2	1n 6	10s33	1s17	22s 4	0n 2	23n 7	0n22	2s34
M 2	17 42	15 41	0 56	19 32	1 42	19 16	1 6	12 48	1 6	10 35	1 17	22 4	0 2	23 7	0 22	2 35
T 3	17 27	9 11	0n27	19 0	1 44	18 58	1 7	12 35	1 6	10 38	1 17	22 5	0 2	23 6	0 22	2 35
W 4	17 11	2 16	1 47	18 27	1 45	18 39	1 8	12 21	1 5	10 40	1 17	22 6	0 2	23 6	0 22	2 36
T 5	16 55	4n36	2 59	17 52	1 46	18 20	1 10	12 7	1 5	10 43	1 18	22 6	0 1	23 6	0 22	2 36
F 6	16 38	11 3	3 57	17 15	1 46	18 0	1 11	11 53	1 5	10 46	1 18	22 7	0 1	23 5	0 22	2 37
S 7	16 21	16 46	4 40	16 37	1 45	17 40	1 12	11 39	1 4	10 48	1 18	22 7	0 1	23 5	0 22	2 38
S 8	16 4	21 31	5 7	15 58	1 44	17 19	1 14	11 25	1 4	10 51	1 18	22 8	0 1	23 5	0 22	2 38
M 9	15 47	25 5	5 17	15 18	1 42	16 58	1 15	11 11	1 4	10 54	1 18	22 9	0 1	23 4	0 22	2 39
T 10	15 30	27 19	5 11	14 37	1 40	16 36	1 16	10 57	1 3	10 57	1 19	22 9	0 1	23 4	0 22	2 39
W 11	15 12	28 10	4 51	13 55	1 37	16 14	1 17	10 43	1 3	11 0	1 19	22 10	0 1	23 4	0 22	2 40
T 12	14 54	27 37	4 18	13 12	1 33	15 51	1 18	10 29	1 3	11 2	1 19	22 10	0 1	23 3	0 22	2 41
F 13	14 35	25 47	3 34	12 29	1 29	15 28	1 19	10 14	1 3	11 5	1 19	22 11	0 1	23 3	0 22	2 41
S 14	14 17	22 50	2 41	11 46	1 25	15 4	1 20	10 0	1 2	11 8	1 19	22 11	0 1	23 3	0 22	2 42
S 15	13 58	18 56	1 42	11 2	1 20	14 41	1 20	9 46	1 2	11 11	1 19	22 12	0 1	23 2	0 22	2 43
M 16	13 39	14 19	0 38	10 18	1 15	14 16	1 21	9 31	1 2	11 14	1 20	22 12	0 1	23 2	0 22	2 43
T 17	13 20	9 10	0s27	9 33	1 10	13 51	1 22	9 16	1 1	11 17	1 20	22 13	0 1	23 2	0 22	2 44
W 18	13 1	3 41	1 32	8 49	1 4	13 26	1 22	9 2	1 1	11 20	1 20	22 13	0 1	23 2	0 22	2 45
T 19	12 41	1s58	2 33	8 4	0 58	13 1	1 23	8 47	1 1	11 23	1 20	22 14	0 1	23 1	0 22	2 45
F 20	12 21	7 36	3 28	7 19	0 52	12 35	1 24	8 32	1 0	11 26	1 20	22 14	0 1	23 1	0 22	2 46
S 21	12 1	13 1	4 14	6 35	0 45	12 9	1 24	8 17	1 0	11 29	1 20	22 15	0 1	23 1	0 22	2 47
S 22	11 41	18 2	4 49	5 50	0 38	11 42	1 24	8 3	1 0	11 32	1 20	22 15	0 1	23 0	0 22	2 47
M 23	11 21	22 23	5 11	5 6	0 31	11 16	1 25	7 48	0 59	11 35	1 20	22 16	0s0	23 0	0 22	2 48
T 24	11 0	25 44	5 18	4 21	0 24	10 49	1 25	7 33	0 59	11 38	1 21	22 16	0 1	23 0	0 22	2 49
W 25	10 39	27 45	5 7	3 37	0 16	10 21	1 25	7 18	0 59	11 41	1 21	22 17	0 1	23 0	0 22	2 50
T 26	10 19	28 6	4 38	2 53	0 9	9 54	1 25	7 2	0 58	11 44	1 21	22 17	0 1	23 0	0 22	2 50
F 27	9 58	26 37	3 52	2 10	0 1	9 26	1 25	6 47	0 58	11 47	1 21	22 17	0 1	23 0	0 22	2 51
S 28	9 36	23 18	2 49	1 26	0s7	8 57	1 25	6 32	0 58	11 50	1 21	22 18	0 1	22 59	0 22	2 52
S 29	9 15	18 22	1 34	0 43	0 15	8 29	1 25	6 17	0 57	11 52	1 21	22 18	0 1	22 58	0 22	2 53
M 30	8 53	12 14	0 11	0 1	0 23	8 0	1 25	6 2	0 57	11 55	1 21	22 19	0 1	22 58	0 22	2 53
T 31	8n32	5s22	1n12	0s41	0s32	7n31	1n25	5n46	0n57	11s58	1s21	22s19	0s1	22n58	0n22	2s54

Julian Day Number = 2372865.5, Delta T = 22.24 sec
Ecliptic obliquity = 23°28'10, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°43'58, Lahiri = 20°50'58Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1784
geocentric

SEPTEMBER 1784

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 43 7	9 ^h 6'08	28 ^h 31	1 ^h 56	15 ^h 27	18 ^h 15	2°R 3	17°R38	15 ^h 19	10 ^h 57	9°R46	0°R21	29 ^h 47	21 ^h 37	25°R25	W 1
T 2	22 47 3	10° 4'18	13 ^h 14	3°20	16°41	18°54	1 ^h 56	17 ^h 36	15°22	10°59	9 ^h 45	0 ^h 20	29°44	21°44	25°R24	T 2
F 3	22 51 0	11° 2'29	27°35	4°43	17°56	19°32	1°48	17°34	15°24	11° 1	9°44	0°19	29°41	21°51	25°24	F 3
S 4	22 54 56	12° 0'43	11 ^h 28	6° 4	19°10	20°11	1°40	17°33	15°26	11° 3	9°43	0°18	29°38	21°57	25°24	S 4
S 5	22 58 53	12°58'58	24°55	7°23	20°25	20°49	1°33	17°31	15°29	11° 5	9°41	0°17	29°35	22° 4	25°24	S 5
M 6	23 2 50	13°57'16	7 ^h 55	8°42	21°39	21°28	1°25	17°29	15°31	11° 7	9°40	0°16	29°32	22°10	25°23	M 6
T 7	23 6 46	14°55'36	20°33	9°58	22°54	22° 6	1°18	17°28	15°33	11° 9	9°39	0°D16	29°28	22°17	25°23	T 7
W 8	23 10 43	15°53'57	2 ^h 52	11°13	24° 8	22°45	1°10	17°27	15°36	11°11	9°38	0°17	29°25	22°24	25°22	W 8
T 9	23 14 39	16°52'21	14°56	12°26	25°23	23°24	1° 3	17°26	15°38	11°13	9°37	0°18	29°22	22°30	25°22	T 9
F 10	23 18 36	17°50'47	26°51	13°38	26°37	24° 2	0°55	17°24	15°40	11°15	9°36	0°19	29°19	22°37	25°21	F 10
S 11	23 22 32	18°49'16	8 ^h 39	14°48	27°52	24°41	0°48	17°23	15°42	11°17	9°35	0°21	29°16	22°44	25°21	S 11
S 12	23 26 29	19°47'46	20°26	15°55	29° 6	25°20	0°41	17°22	15°44	11°19	9°34	0°22	29°13	22°50	25°20	S 12
M13	23 30 25	20°46'18	2 ^h 14	17° 1	0 ^h 21	25°59	0°34	17°22	15°46	11°21	9°33	0°R22	29° 9	22°57	25°19	M13
T 14	23 34 22	21°44'52	14° 6	18° 4	1°36	26°38	0°27	17°21	15°48	11°24	9°32	0°21	29° 6	23° 4	25°18	T 14
W15	23 38 19	22°43'28	26° 5	19° 5	2°50	27°16	0°21	17°20	15°50	11°26	9°31	0°20	29° 3	23°10	25°17	W15
T 16	23 42 15	23°42'06	8 ^h 12	20° 4	4° 5	27°55	0°14	17°20	15°52	11°28	9°31	0°17	29° 0	23°17	25°16	T 16
F 17	23 46 12	24°40'45	20°29	21° 0	5°19	28°34	0° 7	17°19	15°54	11°30	9°30	0°13	28°57	23°24	25°15	F 17
S 18	23 50 8	25°39'27	2 ^h 57	21°53	6°34	29°13	0° 1	17°19	15°55	11°32	9°29	0° 9	28°53	23°30	25°14	S 18
S 19	23 54 5	26°38'11	15°38	22°43	7°48	29°52	29 ^h 55	17°19	15°57	11°34	9°28	0° 5	28°50	23°37	25°13	S 19
M20	23 58 1	27°36'56	28°33	23°29	9° 3	0 ^h 31	29°48	17°19	15°59	11°36	9°27	0° 1	28°47	23°44	25°11	M20
T 21	0 1 58	28°35'43	11 ^h 43	24°12	10°18	1°10	29°42	17°D19	16° 0	11°39	9°26	29 ^h 59	28°44	23°50	25°10	T 21
W22	0 5 54	29°34'32	25°11	24°51	11°32	1°49	29°37	17°19	16° 2	11°41	9°26	29°D58	28°41	23°57	25° 9	W22
T 23	0 9 51	0 ^h 33'23	8 ^h 58	25°25	12°47	2°28	29°31	17°19	16° 4	11°43	9°25	29°58	28°38	24° 3	25° 7	T 23
F 24	0 13 48	1°32'15	23° 3	25°55	14° 1	3° 7	29°25	17°19	16° 5	11°45	9°24	29°59	28°34	24°10	25° 6	F 24
S 25	0 17 44	2°31'09	7 ^h 26	26°20	15°16	3°46	29°20	17°19	16° 6	11°47	9°23	0 ^h 1	28°31	24°17	25° 4	S 25
S 26	0 21 41	3°30'05	22° 5	26°40	16°30	4°25	29°14	17°20	16° 8	11°50	9°23	0° 2	28°28	24°23	25° 3	S 26
M27	0 25 37	4°29'02	6 ^h 55	26°53	17°45	5° 5	29° 9	17°20	16° 9	11°52	9°22	0°R 2	28°25	24°30	25° 1	M27
T 28	0 29 34	5°28'01	21°49	27° 1	19° 0	5°44	29° 4	17°21	16°10	11°54	9°21	0° 0	28°22	24°37	24°59	T 28
W29	0 33 30	6°27'03	6 ^h 40	27°R 1	20°14	6°23	29° 0	17°22	16°12	11°56	9°21	29 ^h 57	28°18	24°43	24°57	W29
T 30	0 37 27	7 ^h 26'06	21 ^h 20	26 ^h 55	21 ^h 29	7 ^h 2	28 ^h 55	17 ^h 23	16 ^h 13	11 ^h 59	9 ^h 20	29 ^h 52	28 ^h 15	24 ^h 50	24 ^h 55	T 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
W 1	8n10	1n42	2n30	1s23	0s40	7n 2	1n24	5n31	0n56	12s 1	1s21	22s19	0s 1	22n58	0n22	2s55
T 2	7 48	8 33	3 36	2 4	0 48	6 33	1 24	5 15	0 56	12 4	1 21	22 20	0 1	22 57	0 22	2 56
F 3	7 26	14 46	4 27	2 44	0 57	6 3	1 24	5 0	0 56	12 7	1 21	22 20	0 1	22 57	0 22	2 56
S 4	7 4	20 3	5 0	3 24	1 5	5 34	1 23	4 45	0 55	12 9	1 21	22 20	0 1	22 57	0 23	2 56
S 5	6 42	24 7	5 16	4 4	1 14	5 4	1 23	4 29	0 55	12 12	1 21	22 20	0 1	22 57	0 23	2 57
M 6	6 19	26 49	5 14	4 42	1 22	4 34	1 22	4 13	0 55	12 15	1 21	22 21	0 1	22 56	0 23	2 57
T 7	5 57	28 5	4 57	5 20	1 30	4 4	1 21	3 58	0 54	12 18	1 21	22 21	0 1	22 56	0 23	2 57
W 8	5 34	27 54	4 27	5 58	1 39	3 34	1 20	3 42	0 54	12 20	1 21	22 21	0 1	22 56	0 23	2 57
T 9	5 11	26 22	3 46	6 34	1 47	3 3	1 20	3 27	0 53	12 23	1 21	22 21	0 1	22 56	0 23	2 58
F 10	4 49	23 41	2 55	7 10	1 55	2 33	1 19	3 11	0 53	12 26	1 21	22 22	0 1	22 55	0 23	2 58
S 11	4 26	20 0	1 57	7 44	2 4	2 2	1 18	2 55	0 53	12 28	1 21	22 22	0 1	22 55	0 23	2 58
S 12	4 3	15 34	0 55	8 18	2 12	1 32	1 17	2 39	0 52	12 31	1 21	22 22	0 1	22 55	0 23	2 59
M13	3 40	10 32	0s10	8 51	2 20	1 1	1 16	2 24	0 52	12 33	1 21	22 22	0 1	22 55	0 23	2 59
T 14	3 17	5 6	1 15	9 22	2 28	0 31	1 15	2 8	0 52	12 35	1 21	22 22	0 1	22 55	0 23	2 59
W15	2 53	0s32	2 17	9 53	2 35	0s 0	1 14	1 52	0 51	12 38	1 21	22 23	0 1	22 54	0 23	2 59
T 16	2 30	6 13	3 14	10 22	2 43	0 31	1 12	1 36	0 51	12 40	1 21	22 23	0 1	22 54	0 23	3 0
F 17	2 7	11 44	4 2	10 50	2 50	1 2	1 11	1 20	0 50	12 42	1 21	22 23	0 1	22 54	0 23	3 0
S 18	1 44	16 53	4 39	11 16	2 57	1 33	1 10	1 5	0 50	12 45	1 21	22 23	0 1	22 54	0 23	3 0
S 19	1 20	21 23	5 4	11 41	3 3	2 3	1 8	0 49	0 50	12 47	1 21	22 23	0 1	22 54	0 23	3 1
M20	0 57	24 57	5 13	12 4	3 9	2 34	1 7	0 33	0 49	12 49	1 21	22 23	0 1	22 53	0 23	3 1
T 21	0 34	27 17	5 7	12 25	3 15	3 5	1 5	0 17	0 49	12 51	1 21	22 23	0 1	22 53	0 23	3 1
W22	0 10	28 7	4 44	12 44	3 21	3 35	1 4	0 1	0 49	12 53	1 21	22 23	0 1	22 53	0 23	3 1
T 23	0s13	27 13	4 4	13 2	3 25	4 6	1 2	0s15	0 48	12 55	1 21	22 23	0 1	22 53	0 23	3 2
F 24	0 37	24 36	3 9	13 17	3 30	4 36	1 0	0 31	0 48	12 57	1 21	22 23	0 1	22 53	0 23	3 2
S 25	1 0	20 23	2 1	13 29	3 33	5 7	0 59	0 47	0 47	12 59	1 20	22 24	0 1	22 53	0 23	3 2
S 26	1 24	14 51	0 43	13 39	3 36	5 37	0 57	1 3	0 47	13 0	1 20	22 24	0 1	22 53	0 23	3 2
M27	1 47	8 24	0n38	13 45	3 38	6 7	0 55	1 18	0 47	13 2	1 20	22 24	0 1	22 52	0 23	3 3
T 28	2 10	1 28	1 56	13 49	3 39	6 38	0 53	1 34	0 46	13 4	1 20	22 24	0 1	22 52	0 23	3 3
W29	2 34	5n30	3 6	13 49	3 38	7 7	0 51	1 50	0 46	13 5	1 20	22 23	0 1	22 52	0 23	3 3
T 30	2s57	12n 5	4n 3	13s45	3s37	7s37	0n49	2s 6	0n45	13s 7	1s20	22s23	0s 3	22n52	0n23	3s 3

Julian Day Number = 2372896.5, Delta T = 22.24 sec
Ecliptic obliquity = 23°28'11, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°44'02, Lahiri = 20°51'02Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1784
geocentric

OCTOBER 1784

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 41 23	8♂25'11	5♂42	26°R41	22♂43	7♂42	28°R51	17♂24	16♂14	12♂1	9°R20	29°R46	28♂12	24♂57	24°R54	F 1
S 2	0 45 20	9°24'19	19°40	26♂19	23°58	8°21	28♂46	17°25	16°15	12°3	9♂19	29♂40	28°9	25°3	24♂52	S 2
S 3	0 49 16	10°23'29	3♂11	25°49	25°12	9°0	28°42	17°26	16°16	12°5	9°19	29°34	28°6	25°10	24°50	S 3
M 4	0 53 13	11°22'41	16°17	25°11	26°27	9°40	28°38	17°27	16°17	12°8	9°18	29°30	28°3	25°17	24°48	M 4
T 5	0 57 10	12°21'56	28°57	24°26	27°42	10°19	28°35	17°28	16°18	12°10	9°18	29°27	27°59	25°23	24°45	T 5
W 6	1 1 6	13°21'13	11♂18	23°33	28°56	10°58	28°31	17°30	16°19	12°12	9°17	29°D26	27°56	25°30	24°43	W 6
T 7	1 5 3	14°20'32	23°22	22°33	0♂11	11°38	28°28	17°31	16°20	12°14	9°17	29°26	27°53	25°36	24°41	T 7
F 8	1 8 59	15°19'54	5♂15	21°28	1°25	12°18	28°24	17°33	16°21	12°16	9°16	29°27	27°50	25°43	24°39	F 8
S 9	1 12 56	16°19'18	17°3	20°19	2°40	12°57	28°21	17°35	16°21	12°19	9°16	29°29	27°47	25°50	24°37	S 9
S 10	1 16 52	17°18'44	28°50	19°7	3°55	13°37	28°19	17°37	16°22	12°21	9°16	29°R29	27°44	25°56	24°34	S 10
M 11	1 20 49	18°18'12	10♂41	17°54	5°9	14°16	28°16	17°38	16°23	12°23	9°15	29°29	27°40	26°3	24°32	M 11
T 12	1 24 45	19°17'42	22°39	16°43	6°24	14°56	28°14	17°40	16°23	12°25	9°15	29°26	27°37	26°10	24°29	T 12
W 13	1 28 42	20°17'15	4♂48	15°35	7°38	15°36	28°11	17°43	16°24	12°28	9°15	29°21	27°34	26°16	24°27	W 13
T 14	1 32 39	21°16'50	17°8	14°32	8°53	16°15	28°9	17°45	16°24	12°30	9°14	29°13	27°31	26°23	24°24	T 14
F 15	1 36 35	22°16'26	29°43	13°37	10°8	16°55	28°8	17°47	16°24	12°32	9°14	29°4	27°28	26°30	24°22	F 15
S 16	1 40 32	23°16'05	12♂30	12°51	11°22	17°35	28°6	17°49	16°25	12°34	9°14	28°54	27°24	26°36	24°19	S 16
S 17	1 44 28	24°15'46	25°31	12°14	12°37	18°15	28°4	17°52	16°25	12°36	9°14	28°44	27°21	26°43	24°16	S 17
M 18	1 48 25	25°15'29	8♂44	11°49	13°51	18°54	28°3	17°55	16°25	12°39	9°14	28°35	27°18	26°50	24°14	M 18
T 19	1 52 21	26°15'13	22°8	11°35	15°6	19°34	28°2	17°57	16°26	12°41	9°14	28°29	27°15	26°56	24°11	T 19
W 20	1 56 18	27°15'00	5♂44	11°D32	16°20	20°14	28°1	18°0	16°26	12°43	9°14	28°24	27°12	27°3	24°8	W 20
T 21	2 0 14	28°14'48	19°30	11°40	17°35	20°54	28°1	18°3	16°26	12°45	9°14	28°22	27°9	27°9	24°5	T 21
F 22	2 4 11	29°14'37	3♂27	11°59	18°50	21°34	28°0	18°6	16°R26	12°47	9°D14	28°D22	27°5	27°16	24°2	F 22
S 23	2 8 8	0♂14'29	17°35	12°27	20°4	22°14	28°D0	18°9	16°26	12°50	9°14	28°22	27°2	27°23	24°0	S 23
S 24	2 12 4	1°14'21	1♂52	13°5	21°19	22°54	28°0	18°12	16°26	12°52	9°14	28°R23	26°59	27°29	23°57	S 24
M 25	2 16 1	2°14'16	16°18	13°52	22°33	23°34	28°0	18°15	16°25	12°54	9°14	28°21	26°56	27°36	23°54	M 25
T 26	2 19 57	3°14'12	0♂47	14°46	23°48	24°14	28°1	18°19	16°25	12°56	9°14	28°18	26°53	27°43	23°51	T 26
W 27	2 23 54	4°14'10	15°16	15°46	25°2	24°55	28°2	18°22	16°25	12°58	9°14	28°11	26°50	27°49	23°48	W 27
T 28	2 27 50	5°14'09	29°37	16°53	26°17	25°35	28°2	18°25	16°25	13°0	9°14	28°2	26°46	27°56	23°45	T 28
F 29	2 31 47	6°14'11	13♂46	18°4	27°31	26°15	28°3	18°29	16°24	13°2	9°14	27°51	26°43	28°3	23°42	F 29
S 30	2 35 43	7°14'15	27°37	19°20	28°46	26°55	28°5	18°33	16°24	13°4	9°14	27°40	26°40	28°9	23°39	S 30
S 31	2 39 40	8♂14'20	11♂6	20♂40	0♂0	27♂35	28♂6	18♂36	16♂23	13♂6	9♂15	27♂29	26♂37	28♂16	23♂35	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	3s21	17n53	4n44	13s38	3s34	8s 7	0n47	2s22	0n45	13s 8	1s20	22s23	0s 3	22n52	0n23	3s20	1n32	24s43	7s 3	11s34	12s 7	13n30	16n 3	3s 4			
S 2	3 44	22 34	5 6	13 26	3 30	8 36	0 45	2 38	0 44	13 10	1 20	22 23	0 3	22 52	0 23	3 21	1 32	24 44	7 3	11 36	12 8	13 27	16 2	3 4			
S 3	4 7	25 53	5 10	13 9	3 24	9 6	0 43	2 54	0 44	13 11	1 20	22 23	0 3	22 52	0 23	3 22	1 32	24 44	7 3	11 38	12 9	13 24	16 1	3 4			
M 4	4 30	27 41	4 57	12 48	3 17	9 35	0 41	3 10	0 44	13 12	1 19	22 23	0 3	22 52	0 23	3 23	1 32	24 44	7 2	11 40	12 10	13 21	16 0	3 4			
T 5	4 54	27 58	4 30	12 23	3 7	10 4	0 39	3 26	0 43	13 13	1 19	22 23	0 4	22 52	0 23	3 24	1 32	24 44	7 2	11 41	12 11	13 18	16 0	3 5			
W 6	5 17	26 50	3 52	11 53	2 56	10 32	0 37	3 42	0 43	13 15	1 19	22 23	0 4	22 52	0 23	3 25	1 32	24 44	7 2	11 41	12 12	13 15	15 59	3 5			
T 7	5 40	24 27	3 3	11 18	2 43	11 1	0 35	3 57	0 42	13 16	1 19	22 23	0 4	22 51	0 23	3 25	1 32	24 44	7 2	11 41	12 13	13 12	15 58	3 5			
F 8	6 3	21 2	2 7	10 40	2 28	11 29	0 32	4 13	0 42	13 17	1 19	22 23	0 4	22 51	0 23	3 26	1 32	24 44	7 2	11 41	12 15	13 9	15 57	3 5			
S 9	6 26	16 48	1 7	9 59	2 12	11 57	0 30	4 29	0 42	13 18	1 19	22 23	0 4	22 51	0 23	3 27	1 32	24 44	7 2	11 40	12 16	13 5	15 57	3 6			
S 10	6 48	11 59	0 4	9 15	1 53	12 24	0 28	4 45	0 41	13 18	1 19	22 22	0 4	22 51	0 24	3 28	1 32	24 44	7 2	11 40	12 17	13 2	15 56	3 6			
M 11	7 11	6 39	1s 0	8 29	1 34	12 52	0 25	5 1	0 41	13 19	1 19	22 22	0 4	22 51	0 24	3 29	1 32	24 44	7 2	11 40	12 18	12 59	15 55	3 6			
T 12	7 34	1 3	2 2	7 43	1 14	13 19	0 23	5 16	0 40	13 20	1 18	22 22	0 4	22 51	0 24	3 30	1 32	24 44	7 2	11 41	12 19	12 56	15 54	3 6			
W 13	7 56	4s38	2 58	6 58	0 54	13 45	0 20	5 32	0 40	13 20	1 18	22 22	0 4	22 51	0 24	3 31	1 32	24 44	7 1	11 43	12 20	12 53	15 53	3 7			
T 14	8 19	10 15	3 48	6 15	0 33	14 12	0 18	5 48	0 39	13 21	1 18	22 22	0 4	22 51	0 24	3 31	1 32	24 44	7 1	11 46	12 21	12 50	15 53	3 7			
F 15	8 41	15 32	4 27	5 34	0 13	14 38	0 16	6 3	0 39	13 22	1 18	22 21	0 4	22 51	0 24	3 32	1 33	24 43	7 1	11 49	12 22	12 47	15 52	3 7			
S 16	9 3	20 15	4 53	4 58	0n 7	15 3	0 13	6 19	0 38	13 22	1 18	22 21	0 4	22 51	0 24	3 33	1 33	24 43	7 1	11 52	12 23	12 44	15 51	3 7			
S 17	9 25	24 5	5 5	4 27	0 26	15 29	0 11	6 35	0 38	13 22	1 18	22 21	0 4	22 51	0 24	3 34	1 33	24 43	7 1	11 56	12 24	12 41	15 50	3 7			
M 18	9 47	26 44	5 0	4 1	0 43	15 53	0 8	6 50	0 38	13 23	1 17	22 21	0 4	22 51	0 24	3 35	1 33	24 43	7 1	11 59	12 25	12 38	15 49	3 8			
T 19	10 9	27 53	4 40	3 41	0 59	16 18	0 5	7 6	0 37	13 23	1 17	22 20	0 5	22 51	0 24	3 36	1 33	24 43	7 1	12 1	12 27	12 35	15 48	3 8			
W 20	10 30	27 24	4 3	3 27	1 13	16 42	0 3	7 21	0 37	13 23	1 17	22 20	0 5	22 51	0 24	3 37	1 33	24 43	7 1	12 3	12 28	12 31	15 47	3 8			
T 21	10 52	25 13	3 12	3 18	1 25	17 6	0 0	7 37	0 36	13 23	1 17	22 20	0 5	22 51	0 24	3 37	1 33	24 43	7 0	12 3	12 29	12 28	15 47	3 8			
F 22	11 13	21 30	2 9	3 16	1 36	17 29	0s 2	7 52	0 36	13 23	1 17	22 19	0 5	22 51	0 24	3 38	1 33	24 43	7 0	12 3	12 30	12 25	15 46	3 8			
S 23	11 34	16 30	0 57	3 19	1 45	17 52	0 5	8 7	0 35	13 23	1 17	22 19	0 5	22 51	0 24	3 39	1 33	24 43	7 0	12 3	12 31	12 22	15 45	3 9			
S 24	11 55	10 32	0n19	3 26	1 53	18 14	0 7	8 23	0 35	13 23	1 16	22 19	0 5	22 51	0 24	3 40	1 33	24 43	7 0	12 3	12 32	12 19	15 44	3 9			
M 25	12 16	3 58	1 34	3 39	1 59	18 36	0 10	8 38	0 34	13 22	1 16	22 18	0 5	22 51	0 24	3 41	1 33	24 42	7 0	12 4	12 33	12 16	15 43	3 9			
T 26	12 36	2n49	2 44	3 55	2 4	18 57	0 13	8 53	0 34	13 22	1 16	22 18	0 5	22 51	0 24	3 41	1 33	24 42	7 0	12 5	12 34	12 13	15 42	3 9			
W 27	12 57	9 26	3 42	4 16	2 7	19 18	0 15	9 8	0 33	13 22	1 16	22 18	0 5	22 51	0 24	3 42	1 33	24 42	7 0	12 7	12 35	12 10	15 41	3 9			
T 28	13 17	15 30	4 26	4 39	2 9	19 38	0 18	9 23	0 33	13 21	1 16	22 17	0 5	22 51	0 24	3 43	1 33	24 42	7 0	12 10	12 36	12 7	15 40	3 9			
F 29	13 37	20 39	4 53	5 5	2 10	19 58	0 21	9 39	0 32	13 21	1 16	22 17	0 5	22 52	0 24	3 44	1 33	24 42	7 0	12 14	12 37	12 3	15 39	3 10			
S 30	13 57	24 33	5 2	5 34	2 10	20 17	0 23	9 54	0 32	13 20	1 15	22 16	0 5	22 52	0 24	3 45	1 33	24 42	6 59	12 18	12 38	12 0	15 38	3 10			
S 31	14s16	26n59	4n54	6s 5	2n 9	20s36	0s26	10s 8	0n31	13s19	1s15	22s16	0s 5	22n52	0n24	3s45	1n33	24s41	6s59	12s22	12s40	11n57	15n38	3s10			

ASTRODIENST EPHEMERIS for the year 1784
geocentric

NOVEMBER 1784

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 43 37	9♉14°28	24♊11	22♋ 3	1♈15	28♌16	28♍ 8	18♎40	16♏R23	13♏ 9	9♏15	27♏R19	26♐34	28♑23	23♒R32	M 1
T 2	2 47 33	10°14'37	6♊53	23°28	2°29	28°56	28°10	18°44	16♊22	13°11	9°15	27♑12	26°30	28°29	23♓29	T 2
W 3	2 51 30	11°14'49	19°14	24°56	3°44	29°36	28°12	18°48	16°22	13°13	9°16	27° 8	26°27	28°36	23°26	W 3
T 4	2 55 26	12°15'03	1♊20	26°26	4°58	0♉17	28°14	18°52	16°21	13°15	9°16	27° 6	26°24	28°43	23°23	T 4
F 5	2 59 23	13°15'18	13°14	27°57	6°13	0°57	28°16	18°56	16°20	13°17	9°16	27°D 5	26°21	28°49	23°20	F 5
S 6	3 3 19	14°15'36	25° 2	29°29	7°27	1°38	28°19	19° 0	16°20	13°19	9°17	27°R 5	26°18	28°56	23°16	S 6
S 7	3 7 16	15°15'55	6♐50	1♉ 2	8°42	2°18	28°22	19° 5	16°19	13°21	9°17	27° 5	26°15	29° 2	23°13	S 7
M 8	3 11 12	16°16'17	18°43	2°36	9°56	2°59	28°25	19° 9	16°18	13°23	9°18	27° 3	26°11	29° 9	23°10	M 8
T 9	3 15 9	17°16'40	0♌45	4°11	11°11	3°40	28°28	19°14	16°17	13°24	9°18	26°59	26° 8	29°16	23° 7	T 9
W10	3 19 6	18°17'06	13° 2	5°46	12°25	4°20	28°31	19°18	16°16	13°26	9°19	26°52	26° 5	29°22	23° 3	W10
T11	3 23 2	19°17'33	25°35	7°21	13°40	5° 1	28°35	19°23	16°15	13°28	9°19	26°42	26° 2	29°29	23° 0	T11
F12	3 26 59	20°18'02	8♉26	8°57	14°54	5°42	28°39	19°27	16°14	13°30	9°20	26°30	25°59	29°36	22°57	F12
S13	3 30 55	21°18'32	21°35	10°32	16° 9	6°22	28°43	19°32	16°13	13°32	9°20	26°16	25°55	29°42	22°54	S13
S14	3 34 52	22°19'05	4♌59	12° 8	17°23	7° 3	28°47	19°37	16°11	13°34	9°21	26° 3	25°52	29°49	22°50	S14
M15	3 38 48	23°19'38	18°37	13°44	18°38	7°44	28°51	19°42	16°10	13°36	9°21	25°51	25°49	29°56	22°47	M15
T16	3 42 45	24°20'14	2♊25	15°19	19°52	8°25	28°56	19°47	16° 9	13°38	9°22	25°41	25°46	0♐ 2	22°44	T16
W17	3 46 41	25°20'50	16°21	16°55	21° 7	9° 6	29° 0	19°52	16° 8	13°39	9°23	25°35	25°43	0° 9	22°41	W17
T18	3 50 38	26°21'28	0♌20	18°31	22°21	9°47	29° 5	19°57	16° 6	13°41	9°24	25°31	25°40	0°16	22°37	T18
F19	3 54 35	27°22'07	14°23	20° 6	23°35	10°28	29°10	20° 2	16° 5	13°43	9°24	25°29	25°36	0°22	22°34	F19
S20	3 58 31	28°22'47	28°27	21°41	24°50	11° 9	29°16	20° 7	16° 3	13°45	9°25	25°29	25°33	0°29	22°31	S20
S21	4 2 28	29°23'28	12♋32	23°17	26° 4	11°50	29°21	20°12	16° 2	13°46	9°26	25°29	25°30	0°35	22°27	S21
M22	4 6 24	0♌24'10	26°38	24°52	27°18	12°31	29°27	20°18	16° 0	13°48	9°27	25°27	25°27	0°42	22°24	M22
T23	4 10 21	1°24'53	10♏42	26°27	28°33	13°12	29°33	20°23	15°59	13°50	9°28	25°23	25°24	0°49	22°21	T23
W24	4 14 17	2°25'37	24°44	28° 1	29°47	13°53	29°39	20°29	15°57	13°51	9°28	25°16	25°21	0°55	22°18	W24
T25	4 18 14	3°26'22	8♊39	29°36	1♈ 1	14°34	29°45	20°34	15°55	13°53	9°29	25° 5	25°17	1° 2	22°15	T25
F26	4 22 10	4°27'09	22°24	1♈11	2°16	15°15	29°51	20°40	15°54	13°54	9°30	24°53	25°14	1° 9	22°11	F26
S27	4 26 7	5°27'56	5♊55	2°45	3°30	15°56	29°58	20°45	15°52	13°56	9°31	24°40	25°11	1°15	22° 8	S27
S28	4 30 4	6°28'45	19° 9	4°20	4°44	16°38	0♐ 4	20°51	15°50	13°58	9°32	24°28	25° 8	1°22	22° 5	S28
M29	4 34 0	7°29'35	2♊ 5	5°54	5°59	17°19	0°11	20°57	15°48	13°59	9°33	24°17	25° 5	1°29	22° 2	M29
T30	4 37 57	8♌30'27	14♊42	7♌28	7♊13	18♉ 0	0♐18	21♊ 3	15♊46	14♌ 1	9♏34	24♋ 8	25♋ 2	1♐35	21♓59	T30

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	14s36	27n50	4n30	6s38	2n 7	20s54	0s28	10s23	0n31	13s19	1s15	22s15	0s 5	22n52	0n24	3s46	1n33	24s41	6s59	12s25	12s41	11n54	15n37	3s10	
T 2	14 55	27 11	3 54	7 11	2 5	21 12	0 31	10 38	0 30	13 18	1 15	22 15	0 6	22 52	0 24	3 47	1 33	24 41	6 59	12 27	12 42	11 51	15 36	3 10	
W 3	15 13	25 10	3 7	7 46	2 2	21 28	0 34	10 53	0 30	13 17	1 15	22 14	0 6	22 52	0 24	3 48	1 33	24 41	6 59	12 29	12 43	11 48	15 35	3 10	
T 4	15 32	22 2	2 12	8 22	1 58	21 45	0 36	11 8	0 29	13 16	1 14	22 14	0 6	22 52	0 24	3 48	1 33	24 41	6 59	12 30	12 44	11 45	15 34	3 11	
F 5	15 50	18 2	1 13	8 59	1 54	22 1	0 39	11 22	0 29	13 15	1 14	22 13	0 6	22 52	0 24	3 49	1 33	24 40	6 59	12 30	12 45	11 41	15 33	3 11	
S 6	16 8	13 22	0 11	9 36	1 49	22 16	0 41	11 37	0 28	13 14	1 14	22 13	0 6	22 52	0 24	3 50	1 33	24 40	6 59	12 30	12 46	11 38	15 32	3 11	
S 7	16 26	8 13	0s51	10 13	1 44	22 30	0 44	11 51	0 28	13 13	1 14	22 12	0 6	22 52	0 24	3 51	1 33	24 40	6 58	12 30	12 47	11 35	15 31	3 11	
M 8	16 44	2 45	1 52	10 50	1 39	22 44	0 46	12 6	0 27	13 12	1 14	22 12	0 6	22 53	0 24	3 51	1 33	24 40	6 58	12 31	12 48	11 32	15 30	3 11	
T 9	17 1	2s52	2 48	11 28	1 33	22 57	0 49	12 20	0 27	13 10	1 14	22 11	0 6	22 53	0 24	3 52	1 33	24 40	6 58	12 32	12 49	11 29	15 29	3 11	
W10	17 18	8 30	3 38	12 5	1 27	23 10	0 51	12 34	0 26	13 9	1 13	22 11	0 6	22 53	0 24	3 53	1 33	24 39	6 58	12 34	12 50	11 26	15 28	3 11	
T11	17 34	13 54	4 18	12 42	1 21	23 22	0 54	12 48	0 26	13 8	1 13	22 10	0 6	22 53	0 24	3 54	1 33	24 39	6 58	12 38	12 51	11 23	15 27	3 12	
F12	17 51	18 50	4 46	13 19	1 15	23 33	0 56	13 2	0 25	13 6	1 13	22 10	0 6	22 53	0 25	3 54	1 33	24 39	6 58	12 42	12 53	11 19	15 26	3 12	
S13	18 7	22 59	4 59	13 55	1 9	23 43	0 59	13 16	0 25	13 5	1 13	22 9	0 6	22 53	0 25	3 55	1 33	24 38	6 58	12 46	12 54	11 16	15 26	3 12	
S14	18 22	26 1	4 56	14 31	1 2	23 53	1 1	13 30	0 24	13 3	1 13	22 8	0 6	22 54	0 25	3 56	1 33	24 38	6 58	12 51	12 55	11 13	15 25	3 12	
M15	18 38	27 35	4 37	15 6	0 55	24 2	1 3	13 44	0 24	13 1	1 12	22 8	0 6	22 54	0 25	3 56	1 33	24 38	6 57	12 55	12 56	11 10	15 24	3 12	
T16	18 53	27 28	4 1	15 41	0 49	24 10	1 6	13 58	0 23	12 59	1 12	22 7	0 6	22 54	0 25	3 57	1 33	24 38	6 57	12 58	12 57	11 7	15 23	3 12	
W17	19 7	25 38	3 11	16 15	0 42	24 18	1 8	14 11	0 23	12 58	1 12	22 6	0 7	22 54	0 25	3 58	1 33	24 37	6 57	13 1	12 58	11 4	15 22	3 12	
T18	19 22	22 12	2 9	16 48	0 35	24 25	1 10	14 25	0 22	12 56	1 12	22 6	0 7	22 54	0 25	3 58	1 33	24 37	6 57	13 2	12 59	11 0	15 21	3 12	
F19	19 36	17 28	0 58	17 20	0 28	24 31	1 12	14 38	0 22	12 54	1 12	22 5	0 7	22 54	0 25	3 59	1 33	24 37	6 57	13 2	13 0	10 57	15 20	3 12	
S20	19 49	11 47	0n16	17 52	0 21	24 36	1 14	14 51	0 21	12 52	1 12	22 4	0 7	22 55	0 25	4 0	1 34	24 36	6 57	13 2	13 1	10 54	15 19	3 12	
S21	20 3	5 30	1 29	18 23	0 14	24 41	1 17	15 5	0 20	12 50	1 11	22 4	0 7	22 55	0 25	4 0	1 34	24 36	6 57	13 3	13 2	10 51	15 18	3 12	
M22	20 16	1n 3	2 37	18 53	0 7	24 45	1 19	15 18	0 20	12 48	1 11	22 3	0 7	22 55	0 25	4 1	1 34	24 36	6 57	13 3	13 3	10 48	15 17	3 13	
T23	20 28	7 32	3 35	19 22	0 1	24 48	1 21	15 31	0 19	12 45	1 11	22 2	0 7	22 55	0 25	4 1	1 34	24 35	6 57	13 5	13 4	10 45	15 17	3 13	
W24	20 40	13 36	4 19	19 51	0s 6	24 51	1 23	15 44	0 19	12 43	1 11	22 1	0 7	22 56	0 25	4 2	1 34	24 35	6 56	13 7	13 5	10 41	15 16	3 13	
T25	20 52	18 57	4 48	20 18	0 13	24 52	1 24	15 56	0 18	12 41	1 11	22 1	0 7	22 56	0 25	4 3	1 34	24 35	6 56	13 10	13 6	10 38	15 15	3 13	
F26	21 3	23 13	5 0	20 44	0 20	24 53	1 26	16 9	0 18	12 38	1 11	22 0	0 7	22 56	0 25	4 3	1 34	24 34	6 56	13 15	13 8	10 35	15 14	3 13	
S27	21 14	26 9	4 55	21 10	0 26	24 53	1 28	16 21	0 17	12 36	1 10	21 59	0 7	22 56	0 25	4 4	1 34	24 34	6 56	13 19	13 9	10 32	15 13	3 13	
S28	21 25	27 34	4 33	21 34	0 33	24 53	1 30	16 34	0 17	12 33	1 10	21 58	0 7	22 56	0 25	4 4	1 34	24 34	6 56	13 23	13 10	10 29	15 12	3 13	
M29	21 35	27 26	3 58	21 57	0 39	24 52	1 32	16 46	0 16	12 31	1 10	21 57	0 7	22 57	0 25	4 5	1 34	24 33	6 56	13 27	13 11	10 26	15 11	3 13	
T30	21s45	25n51	3n12	22s20	0s45	24s49	1s33	16s58	0n15	12s28	1s10	21s56	0s 7	22n57	0n25	4s 5	1n34	24s33	6s56	13s30	13s12	10n22	15n11	3s13	

ASTRODIENST EPHEMERIS for the year 1784
geocentric

DECEMBER 1784

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	4 41 53	9°31'19	27°1	9°2	8°27	18°42	0°25	21°9	15°R44	14°2	9°35	24°R 2	24°58	1°42	21°R56	W 1
T 2	4 45 50	10°32'13	9°6	10°37	9°41	19°23	0°33	21°15	15°42	14°3	9°36	23°59	24°55	1°49	21°53	T 2
F 3	4 49 46	11°33'08	21°0	12°11	10°56	20°5	0°40	21°21	15°40	14°5	9°38	23°D58	24°52	1°55	21°50	F 3
S 4	4 53 43	12°34'04	2°48	13°45	12°10	20°46	0°48	21°27	15°38	14°6	9°39	23°58	24°49	2°2	21°47	S 4
S 5	4 57 40	13°35'02	14°36	15°19	13°24	21°28	0°55	21°33	15°36	14°8	9°40	23°R58	24°46	2°9	21°44	S 5
M 6	5 1 36	14°36'01	26°29	16°54	14°38	22°9	1°3	21°39	15°34	14°9	9°41	23°58	24°42	2°15	21°41	M 6
T 7	5 5 33	15°37'00	8°33	18°28	15°52	22°51	1°11	21°45	15°32	14°10	9°42	23°55	24°39	2°22	21°38	T 7
W 8	5 9 29	16°38'01	20°52	20°2	17°6	23°33	1°20	21°51	15°30	14°11	9°43	23°50	24°36	2°28	21°35	W 8
T 9	5 13 26	17°39'03	3°31	21°37	18°20	24°14	1°28	21°57	15°28	14°13	9°45	23°42	24°33	2°35	21°32	T 9
F 10	5 17 22	18°40'06	16°31	23°12	19°34	24°56	1°36	22°4	15°26	14°14	9°46	23°32	24°30	2°42	21°29	F 10
S 11	5 21 19	19°41'11	29°55	24°46	20°48	25°38	1°45	22°10	15°23	14°15	9°47	23°21	24°27	2°48	21°26	S 11
S 12	5 25 15	20°42'16	13°40	26°21	22°3	26°20	1°54	22°16	15°21	14°16	9°48	23°10	24°23	2°55	21°23	S 12
M13	5 29 12	21°43'21	27°42	27°56	23°17	27°2	2°3	22°23	15°19	14°17	9°50	23°0	24°20	3°2	21°21	M13
T 14	5 33 9	22°44'28	11°57	29°31	24°31	27°44	2°12	22°29	15°16	14°18	9°51	22°52	24°17	3°8	21°18	T 14
W15	5 37 5	23°45'34	26°20	1°3	25°44	28°25	2°21	22°36	15°14	14°19	9°52	22°46	24°14	3°15	21°15	W15
T 16	5 41 2	24°46'42	10°45	2°41	26°58	29°7	2°30	22°42	15°12	14°20	9°54	22°43	24°11	3°22	21°13	T 16
F 17	5 44 58	25°47'49	25°6	4°17	28°12	29°49	2°40	22°49	15°9	14°21	9°55	22°D43	24°8	3°28	21°10	F 17
S 18	5 48 55	26°48'57	9°22	5°52	29°26	0°31	2°49	22°56	15°7	14°22	9°57	22°43	24°4	3°35	21°8	S 18
S 19	5 52 51	27°50'04	23°30	7°28	0°40	1°13	2°59	23°2	15°4	14°23	9°58	22°R44	24°1	3°42	21°5	S 19
M20	5 56 48	28°51'12	7°29	9°3	1°54	1°56	3°9	23°9	15°2	14°24	9°59	22°44	23°58	3°48	21°3	M20
T 21	6 0 44	29°52'20	21°19	10°39	3°8	2°38	3°19	23°16	15°0	14°25	10°1	22°42	23°55	3°55	21°0	T 21
W22	6 4 41	0°53'28	4°59	12°15	4°21	3°20	3°29	23°22	14°57	14°26	10°2	22°37	23°52	4°2	20°58	W22
T 23	6 8 38	1°54'37	18°28	13°50	5°35	4°2	3°39	23°29	14°55	14°27	10°4	22°30	23°48	4°8	20°56	T 23
F 24	6 12 34	2°55'45	1°47	15°26	6°49	4°44	3°50	23°36	14°52	14°28	10°5	22°22	23°45	4°15	20°54	F 24
S 25	6 16 31	3°56'53	14°53	17°1	8°2	5°27	4°0	23°43	14°49	14°28	10°7	22°13	23°42	4°21	20°51	S 25
S 26	6 20 27	4°58'02	27°46	18°36	9°16	6°9	4°11	23°50	14°47	14°29	10°8	22°4	23°39	4°28	20°49	S 26
M27	6 24 24	5°59'11	10°24	20°10	10°29	6°51	4°21	23°57	14°44	14°30	10°10	21°56	23°36	4°35	20°47	M27
T 28	6 28 20	7°0'19	22°49	21°44	11°43	7°34	4°32	24°3	14°42	14°30	10°12	21°50	23°33	4°41	20°45	T 28
W29	6 32 17	8°1'28	5°1	23°17	12°56	8°16	4°43	24°10	14°39	14°31	10°13	21°47	23°29	4°48	20°43	W29
T 30	6 36 13	9°2'37	17°2	24°50	14°10	8°59	4°54	24°17	14°37	14°31	10°15	21°D45	23°26	4°55	20°41	T 30
F 31	6 40 10	10°3'47	28°54	26°31	15°23	9°41	5°5	24°24	14°34	14°32	10°16	21°45	23°23	5°1	20°40	F 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
W 1	21s54	23n 2	2n18	22s41	0s51	24s47	1s35	17s10	0n15	12s26	1 s10	21s56	0s 7	22n57	0n25	4s 6	1n34	24s32	6s56	13s32	13s13	10n19	15n10	3s13			
T 2	22 3	19 16	1 18	23 1	0 57	24 43	1 36	17 22	0 14	12 23	1 10	21 55	0 8	22 57	0 25	4 6	1 34	24 32	6 56	13 33	13 14	10 16	15 9	3 13			
F 3	22 12	14 46	0 16	23 19	1 3	24 39	1 38	17 34	0 14	12 20	1 9	21 54	0 8	22 58	0 25	4 7	1 34	24 32	6 56	13 33	13 15	10 13	15 8	3 13			
S 4	22 20	9 46	0s47	23 37	1 9	24 34	1 39	17 45	0 13	12 17	1 9	21 53	0 8	22 58	0 25	4 7	1 34	24 31	6 55	13 33	13 16	10 10	15 7	3 13			
S 5	22 28	4 25	1 48	23 53	1 14	24 28	1 41	17 57	0 13	12 14	1 9	21 52	0 8	22 58	0 25	4 8	1 34	24 31	6 55	13 33	13 17	10 6	15 7	3 13			
M 6	22 35	1s 7	2 44	24 9	1 20	24 21	1 42	18 8	0 12	12 11	1 9	21 51	0 8	22 58	0 25	4 8	1 34	24 30	6 55	13 33	13 18	10 3	15 6	3 13			
T 7	22 42	6 40	3 34	24 23	1 25	24 14	1 43	18 20	0 11	12 8	1 9	21 50	0 8	22 59	0 25	4 9	1 34	24 30	6 55	13 34	13 19	10 0	15 5	3 13			
W 8	22 48	12 6	4 15	24 35	1 30	24 6	1 44	18 31	0 11	12 5	1 9	21 49	0 8	22 59	0 25	4 9	1 34	24 30	6 55	13 36	13 20	9 57	15 4	3 13			
T 9	22 54	17 10	4 45	24 47	1 34	23 57	1 45	18 41	0 10	12 2	1 9	21 48	0 8	22 59	0 25	4 10	1 34	24 29	6 55	13 38	13 21	9 54	15 4	3 13			
F 10	22 59	21 36	5 1	24 57	1 39	23 48	1 46	18 52	0 10	11 59	1 8	21 48	0 8	23 0	0 25	4 10	1 34	24 29	6 55	13 41	13 22	9 50	15 3	3 13			
S 11	23 4	25 4	5 1	25 5	1 43	23 37	1 47	19 3	0 9	11 56	1 8	21 47	0 8	23 0	0 25	4 10	1 35	24 28	6 55	13 45	13 23	9 47	15 2	3 13			
S 12	23 9	27 10	4 44	25 12	1 47	23 26	1 48	19 13	0 8	11 52	1 8	21 46	0 8	23 0	0 25	4 11	1 35	24 28	6 55	13 49	13 25	9 44	15 1	3 13			
M13	23 13	27 37	4 10	25 18	1 51	23 15	1 49	19 24	0 8	11 49	1 8	21 45	0 8	23 0	0 25	4 11	1 35	24 27	6 55	13 52	13 26	9 41	15 1	3 13			
T 14	23 16	26 15	3 20	25 23	1 55	23 3	1 50	19 34	0 7	11 46	1 8	21 44	0 8	23 1	0 25	4 12	1 35	24 27	6 55	13 55	13 27	9 38	15 0	3 13			
W15	23 19	23 8	2 16	25 26	1 58	22 50	1 50	19 44	0 6	11 42	1 8	21 43	0 8	23 1	0 25	4 12	1 35	24 27	6 55	13 57	13 28	9 34	14 59	3 13			
T 16	23 22	18 35	1 4	25 27	2 1	22 36	1 51	19 54	0 6	11 39	1 7	21 42	0 8	23 1	0 25	4 12	1 35	24 26	6 54	13 57	13 29	9 31	14 59	3 13			
F 17	23 24	12 58	0n13	25 27	2 3	22 22	1 51	20 3	0 5	11 35	1 7	21 41	0 9	23 2	0 25	4 13	1 35	24 26	6 54	13 58	13 30	9 28	14 58	3 13			
S 18	23 26	6 42	1 28	25 26	2 6	22 7	1 52	20 13	0 5	11 31	1 7	21 40	0 9	23 2	0 25	4 13	1 35	24 25	6 54	13 57	13 31	9 25	14 58	3 13			
S 19	23 27	0 11	2 37	25 23	2 8	21 51	1 52	20 22	0 4	11 28	1 7	21 39	0 9	23 2	0 25	4 13	1 35	24 25	6 54	13 57	13 32	9 21	14 57	3 13			
M20	23 28	6n17	3 37	25 18	2 9	21 35	1 52	20 31	0 3	11 24	1 7	21 37	0 9	23 2	0 25	4 14	1 35	24 24	6 54	13 57	13 33	9 18	14 56	3 13			
T 21	23 28	12 22	4 22	25 12	2 10	21 18	1 52	20 40	0 3	11 20	1 7	21 36	0 9	23 3	0 25	4 14	1 35	24 24	6 54	13 58	13 34	9 15	14 56	3 13			
W22	23 28	17 47	4 53	25 5	2 11	21 1	1 52	20 49	0 2	11 17	1 7	21 35	0 9	23 3	0 25	4 14	1 35	24 23	6 54	13 59	13 35	9 12	14 55	3 13			
T 23	23 27	22 14	5 6	24 56	2 11	20 43	1 52	20 57	0 1	11 13	1 7	21 34	0 9	23 3	0 25	4 14	1 35	24 23	6 54	14 2	13 36	9 9	14 55	3 13			
F 24	23 26	25 29	5 3	24 45	2 11	20 24	1 52	21 6	0 1	11 9	1 6	21 33	0 9	23 4	0 25	4 15	1 35	24 22	6 54	14 4	13 37	9 5	14 54	3 13			
S 25	23 25	27 18	4 43	24 33	2 10	20 5	1 52	21 14	0 0	11 5	1 6	21 32	0 9	23 4	0 25	4 15	1 35	24 22	6 54	14 7	13 38	9 2	14 54	3 13			
S 26	23 23	27 37	4 10	24 19	2 9	19 45	1 52	21 22	0s 1	11 1	1 6	21 31	0 9	23 4	0 25	4 15	1 35	24 21	6 54	14 10	13 39	8 59	14 53	3 13			
M27	23 20	26 28	3 25	24 3	2 8	19 25	1 51	21 30	0 1	10 57	1 6	21 30	0 9	23 4	0 25	4 15	1 35	24 21	6 54	14 13	13 40	8 56	14 53	3 13			
T 28	23 17	24 0	2 30	23 46	2 5	19 4	1 51	21 38	0 2	10 53	1 6	21 29	0 9	23 5	0 25	4 15	1 36	24 21	6 54	14 15	13 41	8 52	14 52	3 12			
W29	23 14	20 29	1 30	23 28	2 2	18 43	1 50	21 45	0 2	10 49	1 6	21 27	0 9	23 5	0 25	4 16	1 36	24 20	6 54	14 16	13 42	8 49	14 52	3 12			
T 30	23 10	16 9	0 26	23 8	1 59	18 21	1 50	21 52	0 3	10 45	1 6	21 26	0 9	23 5	0 25	4 16	1 36	24 20	6 54	14 16	13 43	8 46	14 51	3 12			
F 31	23s 5	11n16	0s39	22s47	1s54	17s59	1s49	22s 0	0s 4	10s41	1s 6	21s25	0s 9	23n 6	0n26	4s16	1n36	24s19	6s54	14s16	13s44	8n43	14n51	3s12			

Julian Day Number = 2372987.5, Delta T = 22.23 sec
Ecliptic obliquity = 23°28'09, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°44'14, Lahiri = 20°51'15Greg. Calendar