



Astrodienst Ephemeris Tables for the year 2093

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 2093

geocentric

JANUARY 2093

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 45 41	11°38'47	27°13'	14°30'	26°24'	13°36'	26°27'	20°R58	20°23'	1°R43	25°R29	5°42'	6°17'	27°40'	11°R 5	T 1
F 2	6 49 37	12°19'57	11°12'	15°37'	27°39'	14° 3'	26°39'	20°53'	20°25'	1°42'	25°29'	5° 5'	6°14'	27°47'	11°R 1	F 2
S 3	6 53 34	13°21'07	24°43'	17°15'	28°54'	14°29'	26°52'	20°48'	20°27'	1°41'	25°28'	5° 7'	6°11'	27°53'	10°58'	S 3
S 4	6 57 30	14°22'16	7°48'	18°53'	0°10'	14°56'	27° 4'	20°43'	20°29'	1°40'	25°28'	5° 8'	6° 7'	28° 0'	10°54'	S 4
M 5	7 1 27	15°23'26	20°31'	20°31'	1°25'	15°22'	27°17'	20°38'	20°31'	1°39'	25°28'	5°R 8'	6° 4'	28° 7'	10°50'	M 5
T 6	7 5 23	16°24'34	2°55'	22° 9'	2°40'	15°48'	27°29'	20°33'	20°32'	1°38'	25°28'	5° 7'	6° 1'	28°13'	10°47'	T 6
W 7	7 9 20	17°25'43	15° 5'	23°48'	3°56'	16°14'	27°42'	20°28'	20°34'	1°37'	25°28'	5° 5'	5°58'	28°20'	10°43'	W 7
T 8	7 13 17	18°26'51	27° 5'	25°27'	5°11'	16°40'	27°54'	20°23'	20°36'	1°36'	25°D28	5° 3'	5°55'	28°27'	10°39'	T 8
F 9	7 17 13	19°27'59	8°15'	27° 6'	6°27'	17° 5'	28° 7'	20°18'	20°38'	1°35'	25°28'	5° 0'	5°52'	28°33'	10°35'	F 9
S 10	7 21 10	20°29'07	20°48'	28°46'	7°42'	17°31'	28°20'	20°13'	20°40'	1°34'	25°28'	4°58'	5°48'	28°40'	10°31'	S 10
S 11	7 25 6	21°30'14	2°37'	0°26'	8°57'	17°55'	28°33'	20° 8'	20°42'	1°33'	25°28'	4°56'	5°45'	28°47'	10°27'	S 11
M12	7 29 3	22°31'21	14°28'	2° 5'	10°13'	18°20'	28°46'	20° 3'	20°45'	1°32'	25°28'	4°54'	5°42'	28°53'	10°23'	M12
T 13	7 32 59	23°32'28	26°23'	3°45'	11°28'	18°44'	28°59'	19°58'	20°47'	1°30'	25°28'	4°53'	5°39'	29° 0'	10°19'	T 13
W14	7 36 56	24°33'34	8°12'	5°25'	12°43'	19° 9'	29°12'	19°54'	20°49'	1°29'	25°29'	4°D53'	5°36'	29° 7'	10°14'	W14
T 15	7 40 52	25°34'40	20°32'	7° 5'	13°59'	19°32'	29°25'	19°49'	20°51'	1°28'	25°29'	4°54'	5°32'	29°13'	10°10'	T 15
F 16	7 44 49	26°35'45	2°15'	8°45'	15°14'	19°56'	29°39'	19°44'	20°54'	1°27'	25°29'	4°54'	5°29'	29°20'	10° 6'	F 16
S 17	7 48 46	27°36'51	15°19'	10°25'	16°29'	20°19'	29°52'	19°39'	20°56'	1°25'	25°29'	4°55'	5°26'	29°27'	10° 2'	S 17
S 18	7 52 42	28°37'55	28° 3'	12° 4'	17°45'	20°42'	0°15'	19°34'	20°58'	1°24'	25°29'	4°56'	5°23'	29°33'	9°57'	S 18
M19	7 56 39	29°39'00	11°12'	13°42'	19° 0'	21° 5'	0°19'	19°29'	21° 1'	1°22'	25°30'	4°56'	5°20'	29°40'	9°53'	M19
T 20	8 0 35	0°40'05	24°21'	15°19'	20°15'	21°27'	0°32'	19°24'	21° 3'	1°21'	25°30'	4°57'	5°17'	29°47'	9°49'	T 20
W21	8 4 32	1°41'09	8°11'	16°55'	21°31'	21°49'	0°46'	19°19'	21° 6'	1°20'	25°30'	4°R57'	5°13'	29°53'	9°44'	W21
T 22	8 8 28	2°42'13	22° 1'	18°30'	22°46'	22°11'	0°59'	19°15'	21° 8'	1°18'	25°30'	4°57'	5°10'	29°59'	9°40'	T 22
F 23	8 12 25	3°43'16	6°23'	20° 3'	24° 2'	22°32'	1°13'	19°10'	21°11'	1°17'	25°31'	4°56'	5° 7'	0°57'	9°35'	F 23
S 24	8 16 21	4°44'19	21° 2'	21°33'	25°17'	22°53'	1°26'	19° 5'	21°13'	1°15'	25°31'	4°D56'	5° 4'	0°13'	9°31'	S 24
S 25	8 20 18	5°45'22	5°35'	23° 1'	26°32'	23°14'	1°40'	19° 1'	21°16'	1°14'	25°31'	4°56'	5° 1'	0°20'	9°26'	S 25
M26	8 24 15	6°46'24	20°53'	24°25'	27°48'	23°34'	1°54'	18°56'	21°18'	1°12'	25°32'	4°56'	4°58'	0°27'	9°22'	M26
T 27	8 28 11	7°47'25	5°50'	25°45'	29° 3'	23°54'	2° 8'	18°51'	21°21'	1°11'	25°32'	4°R56'	4°54'	0°33'	9°17'	T 27
W28	8 32 8	8°48'26	20°36'	27° 1'	0°18'	24°14'	2°22'	18°47'	21°24'	1° 9'	25°33'	4°56'	4°51'	0°40'	9°13'	W28
T 29	8 36 4	9°49'25	5°11'	28°11'	1°34'	24°33'	2°36'	18°42'	21°27'	1° 8'	25°33'	4°56'	4°48'	0°47'	9° 8'	T 29
F 30	8 40 1	10°50'24	19°11'	29°15'	2°49'	24°52'	2°49'	18°38'	21°29'	1° 6'	25°34'	4°55'	4°45'	0°53'	9° 4'	F 30
S 31	8 43 57	11°51'21	2°15'	0°12'	4°44'	25°10'	3°13'	18°34'	21°32'	1°15'	25°34'	4°55'	4°42'	1° 0'	8°59'	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22s57	14s18	1s59	24s36	1s55	23s 4	0n18	3s24	2n 8	13s33	0s55	21n34	0s13	4s30	0s45	11n22
F 2	22 51	10 14	3 6	24 28	1 58	23 9	0 16	3 34	2 8	13 29	0 55	21 35	0 13	4 29	0 45	11 22
S 3	22 45	5 47	4 1	24 18	2 0	23 12	0 13	3 44	2 9	13 25	0 55	21 36	0 13	4 28	0 45	11 22
S 4	22 39	1 12	4 41	24 7	2 3	23 15	0 11	3 53	2 9	13 21	0 55	21 37	0 13	4 28	0 45	11 23
M 5	22 32	3n17	5 6	23 55	2 4	23 17	0 8	4 3	2 10	13 16	0 55	21 38	0 13	4 27	0 45	11 23
T 6	22 25	7 32	5 16	23 41	2 6	23 18	0 6	4 12	2 11	13 12	0 55	21 39	0 13	4 26	0 45	11 24
W 7	22 17	11 23	5 11	23 25	2 7	23 19	0 3	4 22	2 11	13 8	0 55	21 40	0 13	4 25	0 45	11 24
T 8	22 9	14 44	4 53	23 8	2 8	23 19	0 1	4 31	2 12	13 3	0 55	21 40	0 13	4 25	0 45	11 24
F 9	22 1	17 28	4 22	22 49	2 8	23 18	0s 2	4 40	2 13	12 59	0 55	21 41	0 12	4 24	0 45	11 25
S 10	21 52	19 26	3 41	22 29	2 8	23 16	0 4	4 49	2 13	12 54	0 55	21 42	0 12	4 23	0 45	11 25
S 11	21 43	20 35	2 49	22 7	2 7	23 14	0 7	4 58	2 14	12 50	0 55	21 43	0 12	4 22	0 45	11 26
M12	21 33	20 48	1 51	21 43	2 6	23 11	0 9	5 7	2 14	12 45	0 55	21 44	0 12	4 21	0 45	11 26
T 13	21 23	20 6	0 47	21 18	2 4	23 7	0 12	5 15	2 15	12 41	0 55	21 45	0 12	4 20	0 45	11 27
W14	21 12	18 28	0n19	20 52	2 2	23 3	0 14	5 24	2 16	12 36	0 55	21 45	0 12	4 19	0 45	11 27
T 15	21 1	16 0	1 26	20 24	1 59	22 58	0 17	5 32	2 16	12 31	0 55	21 46	0 12	4 18	0 45	11 28
F 16	20 49	12 47	2 29	19 55	1 55	22 52	0 19	5 40	2 17	12 27	0 55	21 47	0 12	4 18	0 45	11 28
S 17	20 38	8 57	3 26	19 24	1 51	22 46	0 21	5 48	2 18	12 22	0 55	21 48	0 12	4 17	0 45	11 28
S 18	20 25	4 40	4 14	18 52	1 47	22 38	0 24	5 56	2 18	12 17	0 55	21 49	0 11	4 16	0 45	11 29
M19	20 13	0 6	4 51	18 19	1 41	22 30	0 26	6 4	2 19	12 12	0 55	21 49	0 11	4 15	0 45	11 29
T 20	20 0	4s35	5 12	17 45	1 35	22 22	0 28	6 12	2 20	12 8	0 55	21 50	0 11	4 14	0 45	11 30
W21	19 46	9 9	5 17	17 9	1 28	22 13	0 31	6 20	2 20	12 3	0 55	21 51	0 11	4 13	0 44	11 31
T 22	19 33	13 22	5 4	16 33	1 20	22 3	0 33	6 27	2 21	11 58	0 55	21 52	0 11	4 12	0 44	11 31
F 23	19 19	16 54	4 31	15 56	1 12	21 52	0 35	6 34	2 22	11 53	0 55	21 53	0 11	4 11	0 44	11 32
S 24	19 4	19 27	3 41	15 18	1 3	21 41	0 37	6 42	2 22	11 48	0 55	21 53	0 11	4 10	0 44	11 32
S 25	18 49	20 43	2 35	14 40	0 52	21 29	0 39	6 49	2 23	11 43	0 55	21 54	0 11	4 8	0 44	11 33
M26	18 34	20 32	1 17	14 2	0 41	21 16	0 41	6 55	2 24	11 39	0 55	21 55	0 11	4 7	0 44	11 33
T 27	18 19	18 53	0s 5	13 23	0 29	21 3	0 44	7 2	2 24	11 34	0 55	21 56	0 10	4 6	0 44	11 34
W28	18 3	15 58	1 26	12 46	0 17	20 49	0 46	7 9	2 25	11 29	0 55	21 56	0 10	4 5	0 44	11 34
T 29	17 47	12 7	2 40	12 9	0 3	20 35	0 48	7 15	2 25	11 24	0 55	21 57	0 10	4 4	0 44	11 35
F 30	17 30	7 41	3 42	11 33	0n11	20 19	0 50	7 21	2 26	11 19	0 55	21 58	0 10	4 3	0 44	11 35
S 31	17s13	2s59	4s29	10s59	0n27	20s 4	0s52	7s27	2n27	11s14	0s55	21n59	0s10	4s 2	0s44	11n36

Julian Day Number = 2485513.5, Delta T = 90.04 sec

Ecliptic obliquity = 23°25'32", Nutation = - 0°00'13", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 26°02'23", Lahiri = 25°09'23"

ASTRODIENST EPHEMERIS for the year 2093

geocentric

FEBRUARY 2093

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 47 54	12°52'17	16°5'5	1°18'2	5°20'20	25°28'28	3°17'17	18°R29	21°18'35	1°R 3	25°18'35	4°R54	4°18'38	1°18'7	8°R55	S 1
M 2	8 51 50	13°53'12	28°55'5	1°43'6	6°35'25	25°46'31	3°31'18	18°25'25	21°38'10	1°18'2	25°35'40	4°18'53	4°35'40	1°13'8	8°18'51	M 2
T 3	8 55 47	14°54'05	11°18'23	2°14'7	7°50'26	26°3'34	3°46'18	18°21'21	21°41'1	1°0'25	25°36'40	4°D53	4°32'40	1°20'8	8°46'2	T 3
W 4	8 59 44	15°54'57	23°33'2	2°36'9	9°5'26	26°20'4	0'18	18°17'21	21°44'0	0°58'25	25°36'40	4°53'40	4°29'40	1°27'8	8°42'2	W 4
T 5	9 3 40	16°55'48	5°11'34	2°47'10	10°21'26	26°36'4	14'18	18°13'21	21°47'0	0°57'25	25°37'40	4°53'40	4°26'40	1°33'8	8°37'2	T 5
F 6	9 7 37	17°56'37	17°26'2	2°R47	11°36'26	26°52'4	28'18	18°9'21	21°50'0	0°55'25	25°38'40	4°54'40	4°23'40	1°40'8	8°33'2	F 6
S 7	9 11 33	18°57'25	29°14'2	2°36'12	12°51'27	27°7'4	42'18	18°5'21	21°53'0	0°54'25	25°38'40	4°56'40	4°19'40	1°47'8	8°28'2	S 7
S 8	9 15 30	19°58'12	11°18'4	2°14'14	14°7'27	27°22'4	56'18	18°1'21	21°56'0	0°52'25	25°39'40	4°57'40	4°16'40	1°53'8	8°24'2	S 8
M 9	9 19 26	20°58'57	22°58'1	1°41'15	15°22'27	27°36'5	51'17	17°57'21	21°59'0	0°50'25	25°40'40	4°58'40	4°13'40	2°0'8	8°20'2	M 9
T 10	9 23 23	21°59'41	4°18'59	0°59'0	16°37'27	27°50'5	25'17	17°54'22	22°0'2	0°49'25	25°40'40	4°R59	4°10'40	2°7'8	8°15'2	T 10
W11	9 27 19	23°0'24	17°11'0	0°8'17	17°52'28	28°4'5	39'17	17°50'22	22°5'0	0°47'25	25°41'40	4°58'40	4°7'40	2°13'8	8°11'2	W11
T 12	9 31 16	24°1'05	29°34'10	29°10'19	19°7'28	28°17'6	53'17	17°47'22	22°8'0	0°45'25	25°42'40	4°57'40	4°4'40	2°20'8	8°7'2	T 12
F 13	9 35 13	25°1'44	12°10'10	28°7'20	20°23'28	28°29'6	8'17	17°43'22	22°11'0	0°44'25	25°42'40	4°54'40	4°0'40	2°27'8	8°2'2	F 13
S 14	9 39 9	26°2'23	24°59'26	26°59'21	21°38'28	28°41'6	22'17	17°40'22	22°14'0	0°42'25	25°43'40	4°51'40	3°57'40	2°33'8	7°58'2	S 14
S 15	9 43 6	27°3'00	8°18'2	25°50'22	22°53'28	28°52'6	37'17	17°37'22	22°17'0	0°40'25	25°44'40	4°48'40	3°54'40	2°40'8	7°54'2	S 15
M16	9 47 2	28°3'36	21°18'24	24°40'24	8°29°3	29°3'6	51'17	17°33'22	22°21'0	0°39'25	25°45'40	4°44'40	3°51'40	2°47'8	7°50'2	M16
T 17	9 50 59	29°4'10	4°18'47	23°32'25	23°29°13	29°13'7	5'17	17°30'22	22°24'0	0°37'25	25°46'40	4°42'40	3°48'40	2°53'8	7°46'2	T 17
W18	9 54 55	0°18'44	18°29'22	22°28'26	26°39'29	29°23'7	20'17	17°27'22	22°27'0	0°35'25	25°47'40	4°40'40	3°44'40	3°0'8	7°42'2	W18
T 19	9 58 52	1°5'16	2°18'24	21°28'27	27°54'29	29°32'7	34'17	17°24'22	22°30'0	0°34'25	25°47'40	4°D39	3°41'40	3°7'8	7°38'2	T 19
F 20	10 2 48	2°5'47	16°32'20	20°34'29	9°29°40	29°40'7	49'17	17°22'22	22°34'0	0°32'25	25°48'40	4°40'40	3°38'40	3°13'8	7°34'2	F 20
S 21	10 6 45	3°6'17	0°18'50	19°46'0	18°24'29	29°48'8	3'17	17°19'22	22°37'0	0°30'25	25°49'40	4°41'40	3°35'40	3°20'8	7°30'2	S 21
S 22	10 10 42	4°6'46	15°16'19	5°1'39	29°55'8	18°17°16	16'22	17°16'22	22°40'0	0°29'25	25°50'40	4°43'40	3°32'40	3°27'8	7°26'2	S 22
M23	10 14 38	5°7'13	29°48'18	32°25°4	0°18'8	8°32'17	14'22	17°14'22	22°43'0	0°27'25	25°51'40	4°R44	3°29'40	3°33'8	7°23'2	M23
T 24	10 18 35	6°7'39	14°18'49	18°6'4	9°0'8	8°47'17	11'22	17°11'22	22°47'0	0°25'25	25°52'40	4°44'40	3°25'40	3°40'8	7°19'2	T 24
W25	10 22 31	7°8'04	28°46'17	48°5'24	0°13'9	1'17	9'22	17°9'22	22°50'0	0°24'25	25°53'40	4°42'40	3°22'40	3°47'8	7°15'2	W25
T 26	10 26 28	8°8'26	13°18'1	17°37'6	39°0'18	9°15'17	7'22	17°7'22	22°53'0	0°22'25	25°54'40	4°38'40	3°19'40	3°53'8	7°12'2	T 26
F 27	10 30 24	9°8'47	27°0'17	D33'7	55°9	0°22'9	30'17	17°5'22	22°57'0	0°20'25	25°55'40	4°33'40	3°16'40	4°0'8	7°8'2	F 27
S 28	10 34 21	10°18'06	10°18'38	17°18'35	9°18'10	0°18'25	44'17	17°3'23	23°18'0	0°18'19	25°18'56	4°18'27	3°18'13	4°18'7	7°18'5	S 28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	16s56	1n42	5s 1	10s27	0n42	19s47	0s53	7s33	2n27	11s 8	0s55	21n59	0s10	4s 1	0s44	11n37	0n33	5s57	16s58	19n 2	19n 6	20n34	10n41	7s36							
M 2	16 39	6 9	5 16	9 57	0 59	19 31	0 55	7 39	2 28	11 3	0 55	22 0	0 10	4 0	0 44	11 37	0 33	5 57	16 58	19 2	19 6	20 35	10 42	7 36							
T 3	16 21	10 14	5 15	9 30	1 16	19 13	0 57	7 45	2 29	10 58	0 55	22 1	0 10	3 58	0 44	11 38	0 33	5 56	16 58	19 2	19 7	20 36	10 43	7 36							
W 4	16 3	13 48	5 1	9 6	1 33	18 55	0 59	7 50	2 29	10 53	0 55	22 1	0 9	3 57	0 44	11 38	0 33	5 56	16 57	19 2	19 8	20 36	10 44	7 36							
T 5	15 45	16 44	4 33	8 46	1 50	18 37	1 1	7 55	2 30	10 48	0 55	22 2	0 9	3 56	0 44	11 39	0 33	5 55	16 57	19 2	19 9	20 37	10 45	7 36							
F 6	15 27	18 57	3 54	8 31	2 6	18 18	1 2	8 0	2 31	10 43	0 55	22 3	0 9	3 55	0 44	11 39	0 33	5 54	16 57	19 2	19 9	20 38	10 47	7 35							
S 7	15 8	20 20	3 5	8 19	2 23	17 58	1 4	8 5	2 31	10 38	0 55	22 3	0 9	3 54	0 44	11 40	0 33	5 54	16 56	19 1	19 10	20 38	10 48	7 35							
S 8	14 49	20 50	2 9	8 12	2 38	17 38	1 5	8 10	2 32	10 33	0 55	22 4	0 9	3 52	0 44	11 41	0 33	5 53	16 56	19 1	19 11	20 39	10 49	7 35							
M 9	14 30	20 23	1 6	8 10	2 53	17 17	1 7	8 15	2 32	10 27	0 55	22 5	0 9	3 51	0 44	11 41	0 33	5 53	16 56	19 1	19 12	20 40	10 51	7 35							
T 10	14 10	19 1	0n 0	8 13	3 6	16 56	1 8	8 19	2 33	10 22	0 55	22 5	0 9	3 50	0 44	11 42	0 33	5 52	16 55	19 1	19 12	20 40	10 52	7 35							
W11	13 50	16 44	1 7	8 20	3 18	16 35	1 10	8 23	2 34	10 17	0 55	22 6	0 9	3 49	0 44	11 42	0 33	5 52	16 55	19 1	19 13	20 41	10 53	7 34							
T 12	13 30	13 40	2 12	8 31	3 27	16 12	1 11	8 27	2 34	10 12	0 55	22 6	0 9	3 48	0 44	11 43	0 33	5 51	16 55	19 1	19 14	20 42	10 54	7 34							
F 13	13 10	9 56	3 11	8 46	3 35	15 50	1 13	8 31	2 35	10 6	0 55	22 7	0 8	3 46	0 44	11 44	0 33	5 51	16 54	19 2	19 15	20 42	10 56	7 34							
S 14	12 50	5 41	4 2	9 4	3 40	15 27	1 14	8 35	2 35	10 1	0 55	22 7	0 8	3 45	0 44	11 44	0 33	5 50	16 54	19 2	19 15	20 43	10 57	7 34							
S 15	12 29	1 7	4 41	9 25	3 42	15 4	1 15	8 38	2 36	9 56	0 55	22 8	0 8	3 44	0 44	11 45	0 33	5 50	16 54	19 3	19 16	20 44	10 58	7 33							
M16	12 8	3s34	5 6	9 47	3 43	14 40	1 16	8 41	2 36	9 50	0 55	22 8	0 8	3 43	0 44	11 45	0 33	5 49	16 53	19 4	19 17	20 44	11 0	7 33							
T 17	11 47	8 10	5 15	10 11	3 41	14 16	1 17	8 45	2 37	9 45	0 55	22 9	0 8	3 41	0 44	11 46	0 33	5 48	16 53	19 5	19 18	20 45	11 1	7 33							
W18	11 26	12 25	5 5	10 36	3 36	13 51	1 18	8 47	2 38	9 40	0 55	22 9	0 8	3 40	0 44	11 47	0 33	5 48	16 53	19 5	19 18	20 45	11 2	7 32							
T 19	11 5	16 5	4 39	11 1	3 30	13 26	1 19	8 50	2 38	9 34	0 55	22 10	0 8	3 39	0 44	11 47	0 33	5 47	16 52	19 5	19 19	20 46	11 4	7 32							
F 20	10 43	18 51	3 55	11 26	3 22	13 1	1 20	8 53	2 39	9 29	0 55	22 10	0 8	3 37	0 44	11 48	0 33	5 47	16 52	19 5	19 20	20 47	11 5	7 32							
S 21	10 22	20 30	2 55	11 49	3 13	12 35	1 21	8 55	2 39	9 24	0 55	22 11	0 7	3 36	0 44	11 49	0 33	5 46	16 52	19 5	19 21	20 47	11 6	7 31							
S 22	10 0	20 49	1 45	12 12	3 3	12 9	1 22	8 57	2 40	9 18	0 55	22 11	0 7	3 35	0 44	11 49	0 33	5 45	16 52	19 4	19 21	20 48	11 8	7 31							
M23	9 38	19 44	0 27	12 33	2 51	11 43	1 22	8 59	2 40	9 13	0 55	22 12	0 7	3 33	0 44	11 50	0 33	5 45	16 51	19 4	19 22	20 48	11 9	7 30							
T 24	9 16	17 22	0s52	12 52	2 39	11 16	1 23	9 0	2 41	9 8	0 55	22 12	0 7	3 32	0 44	11 50	0 33	5 44	16 51	19 4	19 23	20 49	11 10	7 30							
W25	8 53	13 54	2 8	13 10	2 26	10 49	1 24	9 2	2 41	9 2	0 55	22 13	0 7	3 31	0 44	11 51	0 33	5 44	16 51	19 5	19 23	20 50	11 12	7 29							
T 26	8 31	9 39	3 14	13 26	2 13	10 22	1 24	9 3	2 41	8 57	0 55	22 13	0 7	3 29	0 44	11 52	0 33	5 43	16 50	19 6	19 24	20 50	11 13	7 29							
F 27	8 8	4 58	4 7	13 40	2 0	9 54	1 25	9 4	2 42	8 51	0 55	22 13	0 7	3 28	0 44	11 52	0 33	5 43	16 50	19 7	19 25	20 51	11 14	7 29							
S 28	7s45	0s10	4s45	13s52	1n46	9s27	1s25	9s 5	2n42	8s46	0s55	22n14	0s 7	3s27	0s44	11n53	0n33	5s42	16s50	19n 8	19n26	20n51	11n15	7s28							

ASTRODIENST EPHEMERIS for the year 2093

geocentric

MARCH 2093

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 38 17	11° 9'23	23° 54	17° 44	10° 25	0° 27	9° 59	17° 1	23° 3	0° 17	25° 57	4° 21	3° 9	4° 13	7° 1	S 1
M 2	10 42 14	12° 9'38	6° 48	17° 59	11° 40	0° 29	10° 13	16° 59	23° 7	0° 15	25° 58	4° 15	3° 6	4° 20	6° 58	M 2
T 3	10 46 11	13° 9'52	19° 20	18° 20	12° 55	0° 30	10° 28	16° 57	23° 10	0° 14	25° 59	4° 11	3° 3	4° 27	6° 55	T 3
W 4	10 50 7	14° 10'03	1° 34	18° 45	14° 10	0° 31	10° 42	16° 56	23° 14	0° 12	26° 0	4° 8	3° 0	4° 33	6° 52	W 4
T 5	10 54 4	15° 10'12	13° 35	19° 16	15° 25	0° 30	10° 57	16° 54	23° 17	0° 10	26° 1	4° 7	2° 57	4° 40	6° 49	T 5
F 6	10 58 0	16° 10'19	25° 27	19° 51	16° 40	0° 29	11° 11	16° 53	23° 20	0° 9	26° 2	4° 8	2° 54	4° 47	6° 46	F 6
S 7	11 1 57	17° 10'24	7° 16	20° 31	17° 55	0° 27	11° 26	16° 52	23° 24	0° 7	26° 4	4° 9	2° 50	4° 53	6° 43	S 7
S 8	11 5 53	18° 10'27	19° 6	21° 14	19° 9	0° 25	11° 40	16° 51	23° 27	0° 6	26° 5	4° 11	2° 47	5° 0	6° 40	S 8
M 9	11 9 50	19° 10'28	1° 3	22° 1	20° 24	0° 21	11° 55	16° 50	23° 31	0° 4	26° 6	4° 12	2° 44	5° 7	6° 37	M 9
T 10	11 13 46	20° 10'27	13° 10	22° 52	21° 39	0° 17	12° 9	16° 49	23° 34	0° 2	26° 7	4° 11	2° 41	5° 13	6° 35	T 10
W 11	11 17 43	21° 10'23	25° 32	23° 45	22° 54	0° 12	12° 23	16° 48	23° 38	0° 1	26° 8	4° 9	2° 38	5° 20	6° 32	W 11
T 12	11 21 40	22° 10'18	8° 10	24° 42	24° 9	0° 7	12° 38	16° 47	23° 41	29° 59	26° 9	4° 5	2° 35	5° 27	6° 29	T 12
F 13	11 25 36	23° 10'11	21° 5	25° 41	25° 24	0° 0	12° 52	16° 46	23° 44	29° 58	26° 11	3° 58	2° 31	5° 33	6° 27	F 13
S 14	11 29 33	24° 10'01	4° 18	26° 44	26° 39	29° 53	13° 7	16° 46	23° 48	29° 56	26° 12	3° 50	2° 28	5° 40	6° 25	S 14
S 15	11 33 29	25° 9'50	17° 46	27° 48	27° 53	29° 45	13° 21	16° 46	23° 51	29° 55	26° 13	3° 41	2° 25	5° 47	6° 22	S 15
M 16	11 37 26	26° 9'37	1° 27	28° 55	29° 8	29° 36	13° 35	16° 45	23° 55	29° 53	26° 14	3° 32	2° 22	5° 53	6° 20	M 16
T 17	11 41 22	27° 9'22	15° 18	0° 4	0° 23	29° 27	13° 49	16° 45	23° 58	29° 52	26° 15	3° 24	2° 19	6° 0	6° 18	T 17
W 18	11 45 19	28° 9'05	29° 16	1° 15	1° 38	29° 17	14° 4	16° 45	24° 2	29° 50	26° 17	3° 19	2° 15	6° 7	6° 16	W 18
T 19	11 49 15	29° 8'47	13° 19	2° 29	2° 52	29° 6	14° 18	16° 45	24° 5	29° 49	26° 18	3° 15	2° 12	6° 13	6° 14	T 19
F 20	11 53 12	0° 8'27	27° 25	3° 44	4° 7	28° 54	14° 32	16° 45	24° 8	29° 48	26° 19	3° 14	2° 9	6° 20	6° 13	F 20
S 21	11 57 8	1° 8'06	11° 33	5° 1	5° 22	28° 41	14° 46	16° 46	24° 12	29° 46	26° 21	3° 14	2° 6	6° 27	6° 11	S 21
S 22	12 1 5	2° 7'42	25° 41	6° 20	6° 36	28° 28	15° 1	16° 46	24° 15	29° 45	26° 22	3° 15	2° 3	6° 33	6° 9	S 22
M 23	12 5 2	3° 7'17	9° 48	7° 40	7° 51	28° 14	15° 15	16° 47	24° 19	29° 43	26° 23	3° 15	2° 0	6° 40	6° 8	M 23
T 24	12 8 58	4° 6'51	23° 52	9° 2	9° 6	27° 59	15° 29	16° 47	24° 22	29° 42	26° 24	3° 13	1° 56	6° 47	6° 7	T 24
W 25	12 12 55	5° 6'22	7° 51	10° 26	10° 20	27° 44	15° 43	16° 48	24° 25	29° 41	26° 26	3° 9	1° 53	6° 53	6° 5	W 25
T 26	12 16 51	6° 5'51	21° 42	11° 51	11° 35	27° 28	15° 57	16° 49	24° 29	29° 40	26° 27	3° 2	1° 50	7° 0	6° 4	T 26
F 27	12 20 48	7° 5'19	5° 21	13° 18	12° 49	27° 11	16° 11	16° 50	24° 32	29° 38	26° 28	2° 53	1° 47	7° 6	6° 3	F 27
S 28	12 24 44	8° 4'44	18° 45	14° 46	14° 4	26° 54	16° 25	16° 51	24° 36	29° 37	26° 30	2° 42	1° 44	7° 13	6° 2	S 28
S 29	12 28 41	9° 4'07	1° 52	16° 16	15° 19	26° 36	16° 39	16° 52	24° 39	29° 36	26° 31	2° 30	1° 41	7° 20	6° 1	S 29
M 30	12 32 37	10° 3'29	14° 40	17° 48	16° 33	26° 17	16° 53	16° 53	24° 42	29° 35	26° 32	2° 19	1° 37	7° 26	6° 0	M 30
T 31	12 36 34	11° 2'48	27° 10	19° 20	17° 48	25° 58	17° 7	16° 55	24° 46	29° 33	26° 34	2° 19	1° 34	7° 33	6° 0	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	7s23	4n32	5s 6	14s 2	1n33	8s59	1s25	9s 5	2n42	8s41	0s55	22n14	0s 7	3s25	0s44	11n53	0n33
M 2	7 0	8 53	5 11	14 10	1 20	8 30	1 26	9 6	2 43	8 35	0 55	22 14	0 6	3 24	0 44	11 54	0 33
T 3	6 37	12 44	5 0	14 16	1 6	8 2	1 26	9 6	2 43	8 30	0 55	22 15	0 6	3 23	0 44	11 54	0 33
W 4	6 14	15 57	4 36	14 21	0 54	7 33	1 26	9 6	2 43	8 24	0 56	22 15	0 6	3 21	0 44	11 55	0 33
T 5	5 50	18 26	4 1	14 23	0 41	7 4	1 26	9 5	2 44	8 19	0 56	22 15	0 6	3 20	0 44	11 56	0 33
F 6	5 27	20 6	3 15	14 24	0 29	6 35	1 26	9 5	2 44	8 13	0 56	22 16	0 6	3 19	0 44	11 56	0 33
S 7	5 4	20 53	2 21	14 23	0 17	6 6	1 26	9 4	2 44	8 8	0 56	22 16	0 6	3 17	0 44	11 57	0 33
S 8	4 40	20 44	1 21	14 20	0 5	5 37	1 26	9 3	2 44	8 3	0 56	22 16	0 6	3 16	0 44	11 57	0 33
M 9	4 17	19 38	0 17	14 15	0s 6	5 7	1 26	9 1	2 44	7 57	0 56	22 16	0 6	3 15	0 44	11 58	0 33
T 10	3 53	17 38	0n48	14 9	0 17	4 37	1 26	9 0	2 44	7 52	0 56	22 17	0 6	3 13	0 44	11 58	0 33
W 11	3 30	14 46	1 53	14 1	0 27	4 7	1 25	8 58	2 44	7 46	0 56	22 17	0 5	3 12	0 44	11 59	0 33
T 12	3 6	11 11	2 53	13 52	0 37	3 37	1 25	8 56	2 44	7 41	0 56	22 17	0 5	3 10	0 44	12 0	0 33
F 13	2 43	6 59	3 45	13 41	0 47	3 7	1 25	8 54	2 44	7 35	0 56	22 17	0 5	3 9	0 44	12 0	0 33
S 14	2 19	2 23	4 27	13 28	0 56	2 37	1 24	8 52	2 44	7 30	0 56	22 17	0 5	3 8	0 44	12 1	0 34
S 15	1 55	2s25	4 55	13 14	1 5	2 7	1 24	8 49	2 44	7 24	0 56	22 18	0 5	3 6	0 44	12 1	0 34
M 16	1 32	7 11	5 6	12 59	1 13	1 37	1 23	8 46	2 44	7 19	0 56	22 18	0 5	3 5	0 44	12 2	0 34
T 17	1 8	11 38	5 0	12 42	1 21	1 6	1 23	8 43	2 44	7 14	0 56	22 18	0 5	3 4	0 44	12 2	0 34
W 18	0 44	15 30	4 36	12 24	1 28	0 36	1 22	8 40	2 44	7 8	0 57	22 18	0 5	3 2	0 44	12 3	0 34
T 19	0 20	18 30	3 55	12 4	1 35	0 6	1 21	8 36	2 43	7 3	0 57	22 18	0 5	3 1	0 44	12 3	0 34
F 20	0n 3	20 24	3 0	11 43	1 41	0n25	1 20	8 32	2 43	6 57	0 57	22 18	0 4	3 0	0 44	12 4	0 34
S 21	0 27	21 2	1 54	11 20	1 47	0 55	1 19	8 28	2 42	6 52	0 57	22 18	0 4	2 58	0 44	12 4	0 34
S 22	0 51	20 20	0 40	10 56	1 53	1 26	1 18	8 24	2 42	6 47	0 57	22 18	0 4	2 57	0 44	12 5	0 34
M 23	1 14	18 21	0s35	10 31	1 58	1 56	1 17	8 20	2 41	6 41	0 57	22 18	0 4	2 56	0 44	12 5	0 34
T 24	1 38	15 15	1 48	10 4	2 3	2 26	1 16	8 15	2 41	6 36	0 57	22 18	0 4	2 54	0 44	12 6	0 34
W 25	2 2	11 18	2 54	9 37	2 7	2 57	1 15	8 10	2 40	6 30	0 57	22 18	0 4	2 53	0 44	12 6	0 34
T 26	2 25	6 47	3 48	9 8	2 11	3 27	1 14	8 5	2 39	6 25	0 57	22 18	0 4	2 52	0 44	12 7	0 34
F 27	2 49	2 0	4 29	8 38	2 14	3 57	1 12	8 0	2 39	6 20	0 57	22 18	0 4	2 50	0 44	12 7	0 34
S 28	3 12	2n48	4 54	8 6	2 17	4 27	1 11	7 54	2 38	6 14	0 57	22 18	0 4	2 49	0 44	12 7	0 34
S 29	3 36	7 22	5 3	7 33	2 20	4 57	1 10	7 49	2 37	6 9	0 58	22 18	0 3	2 48	0 44	12 8	0 34
M 30	3 59	11 31	4 56	7 0	2 22	5 27	1 8	7 43	2 36	6 4	0 58	22 18	0 3	2 46	0 44	12 8	0 34
T 31	4n22	15n 3	4s35	6s25	2s23	5n57	1s 7	7s37	2n35	5s58	0s58	22n18	0s 3	2s45	0s44	12n 9	0n34

Julian Day Number = 2485572.5, Delta T = 90.11 sec
 Ecliptic obliquity = 23°25'33", Nutation = - 0°00'14", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 26°02'31", Lahiri = 25°09'31"

ASTRODIENST EPHEMERIS for the year 2093

geocentric

APRIL 2093

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	12 40 31	12°04'	9°24'	20°55'	19°19'	25°38'	17°21'	16°56'	24°49'	29°32'	26°35'	2°R 2	1°31'	7°40'	5°59'	W 1
T 2	12 44 27	13° 1'19	21°24'	22°30'	20°17'	25°18'	17°34'	16°58'	24°52'	29°31'	26°36'	1°58'	1°28'	7°46'	5°59'	T 2
F 3	12 48 24	14° 0'31	3°51'	24° 7'	21°31'	24°57'	17°48'	17° 0'	24°56'	29°30'	26°38'	1°56'	1°25'	7°53'	5°58'	F 3
S 4	12 52 20	14°59'41	15° 5'	25°46'	22°45'	24°36'	18° 2'	17° 2'	24°59'	29°29'	26°39'	1°D55'	1°21'	8° 0'	5°58'	S 4
S 5	12 56 17	15°58'49	26°55'	27°26'	24° 0'	24°15'	18°16'	17° 4'	25° 2'	29°28'	26°41'	1°R55'	1°18'	8° 6'	5°58'	S 5
M 6	13 0 13	16°57'54	8°53'	29° 7'	25°14'	23°53'	18°29'	17° 6'	25° 5'	29°27'	26°42'	1°55'	1°15'	8°13'	5°D58'	M 6
T 7	13 4 10	17°56'58	21° 3'	0°Y50	26°28'	23°31'	18°43'	17° 8'	25° 9'	29°26'	26°43'	1°54'	1°12'	8°20'	5°58'	T 7
W 8	13 8 6	18°55'58	3°10'30	2°34'	27°43'	23° 9'	18°56'	17°10'	25°12'	29°25'	26°45'	1°50'	1° 9'	8°26'	5°58'	W 8
T 9	13 12 3	19°54'57	16°18'	4°20'	28°57'	22°46'	19°10'	17°12'	25°15'	29°24'	26°46'	1°44'	1° 6'	8°33'	5°58'	T 9
F 10	13 16 0	20°53'53	29°27'	6° 7'	0°B11	22°24'	19°23'	17°15'	25°18'	29°23'	26°48'	1°35'	1° 2'	8°40'	5°58'	F 10
S 11	13 19 56	21°52'47	12°59'	7°55'	1°26'	22° 1'	19°36'	17°17'	25°21'	29°22'	26°49'	1°24'	0°59'	8°46'	5°59'	S 11
S 12	13 23 53	22°51'39	26°51'	9°46'	2°40'	21°38'	19°50'	17°20'	25°25'	29°21'	26°50'	1°12'	0°56'	8°53'	5°59'	S 12
M13	13 27 49	23°50'30	10°59'	11°37'	3°54'	21°15'	20° 3'	17°23'	25°28'	29°20'	26°52'	1° 0'	0°53'	9° 0'	6° 0'	M13
T 14	13 31 46	24°49'18	25°18'	13°30'	5° 8'	20°52'	20°16'	17°26'	25°31'	29°20'	26°53'	0°50'	0°50'	9° 6'	6° 1'	T 14
W15	13 35 42	25°48'05	9°41'	15°25'	6°22'	20°29'	20°29'	17°29'	25°34'	29°19'	26°55'	0°41'	0°46'	9°13'	6° 2'	W15
T 16	13 39 39	26°46'49	24° 3'	17°21'	7°36'	20° 6'	20°42'	17°32'	25°37'	29°18'	26°56'	0°36'	0°43'	9°20'	6° 3'	T 16
F 17	13 43 35	27°45'33	8°31'	19°19'	8°50'	19°43'	20°55'	17°35'	25°40'	29°17'	26°57'	0°34'	0°40'	9°26'	6° 4'	F 17
S 18	13 47 32	28°44'14	22°32'	21°18'	10° 5'	19°21'	21° 8'	17°38'	25°43'	29°17'	26°59'	0°33'	0°37'	9°33'	6° 5'	S 18
S 19	13 51 29	29°42'54	6°35'	23°19'	11°19'	18°59'	21°21'	17°42'	25°46'	29°16'	27° 0'	0°33'	0°34'	9°40'	6° 6'	S 19
M20	13 55 25	0°B41'32	20°28'	25°21'	12°33'	18°36'	21°34'	17°45'	25°49'	29°15'	27° 2'	0°32'	0°31'	9°46'	6° 8'	M20
T 21	13 59 22	1°40'09	4°13'	27°24'	13°47'	18°15'	21°47'	17°49'	25°52'	29°15'	27° 3'	0°30'	0°27'	9°53'	6° 9'	T 21
W22	14 3 18	2°38'43	17°49'	29°29'	15° 1'	17°53'	21°59'	17°52'	25°55'	29°14'	27° 4'	0°24'	0°24'	10° 0'	6°11'	W22
T 23	14 7 15	3°37'16	1°Y14	1°B34	16°15'	17°32'	22°12'	17°56'	25°58'	29°14'	27° 6'	0°16'	0°21'	10° 6'	6°12'	T 23
F 24	14 11 11	4°35'48	14°29'	3°41'	17°29'	17°11'	22°25'	18° 0'	26° 1'	29°13'	27° 7'	0° 5'	0°18'	10°13'	6°14'	F 24
S 25	14 15 8	5°34'17	27°32'	5°48'	18°42'	16°51'	22°37'	18° 4'	26° 3'	29°13'	27° 9'	29°53'	0°15'	10°19'	6°16'	S 25
S 26	14 19 4	6°32'45	10°B21	7°56'	19°56'	16°32'	22°50'	18° 8'	26° 6'	29°12'	27°10'	29°40'	0°12'	10°26'	6°18'	S 26
M27	14 23 1	7°31'11	22°56'	10° 5'	21°10'	16°12'	23° 2'	18°12'	26° 9'	29°12'	27°11'	29°27'	0° 8'	10°33'	6°20'	M27
T 28	14 26 57	8°29'35	5°B17	12°14'	22°24'	15°54'	23°14'	18°16'	26°12'	29°11'	27°13'	29°16'	0° 5'	10°39'	6°22'	T 28
W29	14 30 54	9°27'57	17°25'	14°23'	23°38'	15°36'	23°26'	18°20'	26°14'	29°11'	27°14'	29° 7'	0° 2'	10°46'	6°24'	W29
T 30	14 34 51	10°B26'17	29°B23	16°B31	24°B52	15°B18	23°B38	18°B25	26°B17	29°B11	27°B15	29°B 1	29°B59	10°B53	6°B27	T 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	4n45	17n52	4s 2	5s48	2s24	6n27	1s 5	7s31	2n33	5s53	0s58	22n18	0s 3	2s44	0s44	12n 9
T 2	5 8	19 51	3 18	5 11	2 25	6 56	1 4	7 25	2 32	5 48	0 58	22 18	0 3	2 42	0 44	12 9
F 3	5 31	20 57	2 26	4 33	2 25	7 26	1 2	7 19	2 31	5 43	0 58	22 18	0 3	2 41	0 44	12 10
S 4	5 54	21 7	1 28	3 53	2 24	7 55	1 0	7 12	2 30	5 37	0 58	22 18	0 3	2 40	0 44	12 10
S 5	6 17	20 20	0 27	3 13	2 23	8 24	0 59	7 6	2 28	5 32	0 58	22 18	0 3	2 38	0 44	12 11
M 6	6 40	18 37	0n37	2 31	2 22	8 53	0 57	6 59	2 27	5 27	0 58	22 17	0 3	2 37	0 44	12 11
T 7	7 2	16 3	1 40	1 49	2 20	9 21	0 55	6 53	2 25	5 22	0 59	22 17	0 3	2 36	0 44	12 11
W 8	7 25	12 41	2 39	1 5	2 18	9 50	0 53	6 46	2 23	5 17	0 59	22 17	0 2	2 35	0 44	12 12
T 9	7 47	8 40	3 32	0 21	2 15	10 18	0 51	6 39	2 22	5 11	0 59	22 17	0 2	2 33	0 44	12 12
F 10	8 9	4 7	4 15	0n25	2 11	10 46	0 49	6 33	2 20	5 6	0 59	22 17	0 2	2 32	0 44	12 12
S 11	8 31	0s44	4 46	1 11	2 7	11 14	0 47	6 26	2 18	5 1	0 59	22 16	0 2	2 31	0 44	12 13
S 12	8 53	5 41	5 0	1 59	2 3	11 41	0 45	6 19	2 16	4 56	0 59	22 16	0 2	2 30	0 44	12 13
M13	9 15	10 25	4 56	2 47	1 58	12 8	0 43	6 12	2 14	4 51	0 59	22 16	0 2	2 28	0 44	12 13
T 14	9 36	14 38	4 34	3 36	1 53	12 35	0 41	6 6	2 12	4 46	1 0	22 16	0 2	2 27	0 44	12 13
W15	9 58	18 1	3 55	4 25	1 47	13 1	0 39	5 59	2 10	4 41	1 0	22 15	0 2	2 26	0 44	12 14
T 16	10 19	20 18	3 0	5 16	1 40	13 28	0 37	5 53	2 8	4 36	1 0	22 15	0 2	2 25	0 44	12 14
F 17	10 40	21 15	1 54	6 7	1 34	13 54	0 34	5 46	2 6	4 31	1 0	22 15	0 2	2 24	0 44	12 14
S 18	11 1	20 51	0 42	6 58	1 26	14 19	0 32	5 40	2 4	4 26	1 0	22 14	0 1	2 22	0 44	12 14
S 19	11 22	19 8	0s32	7 50	1 18	14 44	0 30	5 33	2 1	4 21	1 0	22 14	0 1	2 21	0 44	12 15
M20	11 42	16 17	1 43	8 43	1 10	15 9	0 28	5 27	1 59	4 16	1 0	22 14	0 1	2 20	0 44	12 15
T 21	12 3	12 34	2 48	9 35	1 1	15 34	0 25	5 21	1 57	4 11	1 1	22 13	0 1	2 19	0 44	12 15
W22	12 23	8 13	3 42	10 28	0 52	15 58	0 23	5 15	1 54	4 6	1 1	22 13	0 1	2 18	0 44	12 15
T 23	12 43	3 32	4 23	11 21	0 43	16 21	0 21	5 9	1 52	4 1	1 1	22 13	0 1	2 17	0 44	12 16
F 24	13 3	1n15	4 49	12 13	0 33	16 45	0 18	5 4	1 49	3 57	1 1	22 12	0 1	2 16	0 44	12 16
S 25	13 22	5 55	5 0	13 5	0 23	17 8	0 16	4 59	1 47	3 52	1 1	22 12	0 1	2 14	0 44	12 16
S 26	13 42	10 14	4 55	13 57	0 13	17 30	0 13	4 53	1 44	3 47	1 1	22 11	0 1	2 13	0 44	12 16
M27	14 1	14 3	4 36	14 48	0 2	17 52	0 11	4 48	1 42	3 42	1 1	22 11	0 1	2 12	0 44	12 16
T 28	14 20	17 10	4 4	15 38	0n 9	18 13	0 9	4 44	1 39	3 38	1 2	22 10	0 1	2 11	0 44	12 16
W29	14 38	19 30	3 21	16 27	0 19	18 34	0 6	4 39	1 36	3 33	1 2	22 10	0 1	2 10	0 44	12 16
T 30	14n57	20n56	2s30	17n15	0n30	18n55	0s 4	4s35	1n34	3s28	1s 2	22n 9	0s 0	2s 9	0s44	12n16

Julian Day Number = 2485603.5, Delta T = 90.15 sec

Ecliptic obliquity = 23°25'33", Nutation = - 0°00'15", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 26°02'35", Lahiri = 25°09'36"

ASTRODIENST EPHEMERIS for the year 2093

geocentric

MAY 2093

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	14 38 47	11♌24°35	11♌13	18♌39	26♌6	15♌R 2	23♌50	18♌29	26♌20	29♌R10	27♌17	28♌R58	29♌56	10♌59	6♌29	F 1
S 2	14 42 44	12°22'51	23° 1	20°46	27°19	14♌46	24° 2	18°34	26°22	29♌10	27°18	28♌56	29°52	11° 6	6°32	S 2
S 3	14 46 40	13°21'06	4♌50	22°51	28°33	14°30	24°14	18°38	26°25	29°10	27°20	28°D56	29°49	11°13	6°34	S 3
M 4	14 50 37	14°19'18	16°47	24°55	29°47	14°16	24°26	18°43	26°28	29°10	27°21	28°R56	29°46	11°19	6°37	M 4
T 5	14 54 33	15°17'28	28°57	26°58	1♌0	14° 2	24°38	18°48	26°30	29°10	27°22	28°56	29°43	11°26	6°40	T 5
W 6	14 58 30	16°15'36	11♌24	28°58	2°14	13°49	24°49	18°53	26°33	29° 9	27°24	28°53	29°40	11°33	6°43	W 6
T 7	15 2 26	17°13'42	24°15	0♌56	3°28	13°36	25° 1	18°57	26°35	29° 9	27°25	28°48	29°37	11°39	6°46	T 7
F 8	15 6 23	18°11'46	7♌30	2°51	4°41	13°24	25°12	19° 2	26°38	29° 9	27°26	28°41	29°33	11°46	6°49	F 8
S 9	15 10 20	19° 9'48	21°12	4°43	5°55	13°14	25°23	19° 8	26°40	29°D 9	27°28	28°32	29°30	11°53	6°52	S 9
S 10	15 14 16	20° 7'49	5♌19	6°33	7° 8	13° 4	25°35	19°13	26°42	29° 9	27°29	28°21	29°27	11°59	6°56	S 10
M 11	15 18 13	21° 5'48	19°47	8°20	8°22	12°54	25°46	19°18	26°45	29° 9	27°30	28°11	29°24	12° 6	6°59	M 11
T 12	15 22 9	22° 3'45	4♌29	10° 3	9°35	12°46	25°57	19°23	26°47	29° 9	27°32	28° 2	29°21	12°13	7° 2	T 12
W 13	15 26 6	23° 1'41	19°17	11°43	10°49	12°38	26° 8	19°29	26°49	29° 9	27°33	27°55	29°18	12°19	7° 6	W 13
T 14	15 30 2	23°59'36	4♌3	13°19	12° 2	12°31	26°19	19°34	26°51	29°10	27°34	27°50	29°14	12°26	7°10	T 14
F 15	15 33 59	24°57'29	18°42	14°52	13°16	12°25	26°29	19°40	26°54	29°10	27°35	27°48	29°11	12°33	7°13	F 15
S 16	15 37 55	25°55'21	3♌7	16°22	14°29	12°20	26°40	19°45	26°56	29°10	27°37	27°D48	29° 8	12°39	7°17	S 16
S 17	15 41 52	26°53'12	17°16	17°48	15°42	12°15	26°50	19°51	26°58	29°10	27°38	27°49	29° 5	12°46	7°21	S 17
M 18	15 45 49	27°51'02	1♌9	19°10	16°56	12°11	27° 1	19°57	27° 0	29°10	27°39	27°R49	29° 2	12°52	7°25	M 18
T 19	15 49 45	28°48'50	14°46	20°28	18° 9	12° 8	27°11	20° 2	27° 2	29°11	27°40	27°48	28°58	12°59	7°29	T 19
W 20	15 53 42	29°46'37	28° 8	21°43	19°22	12° 6	27°21	20° 8	27° 4	29°11	27°42	27°44	28°55	13° 6	7°33	W 20
T 21	15 57 38	0♌44°23	11♌16	22°54	20°36	12° 5	27°31	20°14	27° 6	29°11	27°43	27°39	28°52	13°12	7°37	T 21
F 22	16 1 35	1°42'08	24°10	24° 1	21°49	12°D 4	27°41	20°20	27° 8	29°12	27°44	27°31	28°49	13°19	7°42	F 22
S 23	16 5 31	2°39'52	6♌53	25° 4	23° 2	12° 5	27°51	20°26	27°10	29°12	27°45	27°22	28°46	13°26	7°46	S 23
S 24	16 9 28	3°37'35	19°23	26° 3	24°15	12° 6	28° 1	20°32	27°12	29°13	27°46	27°12	28°43	13°32	7°51	S 24
M 25	16 13 24	4°35'16	1♌42	26°58	25°29	12° 7	28°11	20°38	27°13	29°13	27°48	27° 2	28°39	13°39	7°55	M 25
T 26	16 17 21	5°32'57	13°51	27°48	26°42	12°10	28°20	20°45	27°15	29°14	27°49	26°54	28°36	13°46	8° 0	T 26
W 27	16 21 18	6°30'36	25°51	28°35	27°55	12°13	28°30	20°51	27°17	29°14	27°50	26°48	28°33	13°52	8° 5	W 27
T 28	16 25 14	7°28'14	7♌44	29°17	29° 8	12°17	28°39	20°57	27°18	29°15	27°51	26°44	28°30	13°59	8° 9	T 28
F 29	16 29 11	8°25'50	19°31	29°55	0♌21	12°22	28°48	21° 4	27°20	29°16	27°52	26°42	28°27	14° 6	8°14	F 29
S 30	16 33 7	9°23'25	1♌18	0♌29	1°34	12°27	28°57	21°10	27°22	29°16	27°53	26°D41	28°24	14°12	8°19	S 30
S 31	16 37 4	10♌20°59	13♌7	0♌57	2♌47	12♌33	29♌6	21♌16	27♌23	29♌17	27♌54	26♌42	28♌20	14♌19	8♌24	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
F 1	15n15	21n25	1s33	18n 1	0n41	19n15	0s 1	4s31	1n31	3s24	1s 2	22n 9	0s 0	2s 8	0s44	12n17	0n33	5s 8	16s44	20n21	20n 9	21n18	12n 6	6s45	
S 2	15 33	20 57	0 31	18 45	0 51	19 34	0n 1	4 27	1 29	3 19	1 2	22 8	0 0	2 7	0 44	12 17	0 33	5 8	16 44	20 22	20 10	21 18	12 6	6 44	
S 3	15 50	19 33	0n31	19 28	1 1	19 53	0 4	4 24	1 26	3 15	1 3	22 8	0 0	2 6	0 44	12 17	0 33	5 8	16 44	20 22	20 11	21 19	12 6	6 44	
M 4	16 8	17 17	1 33	20 8	1 11	20 12	0 7	4 20	1 23	3 10	1 3	22 7	0n 0	2 5	0 44	12 17	0 33	5 7	16 44	20 22	20 11	21 19	12 6	6 43	
T 5	16 25	14 13	2 32	20 46	1 21	20 30	0 9	4 17	1 21	3 6	1 3	22 7	0 0	2 4	0 44	12 17	0 33	5 7	16 44	20 22	20 12	21 19	12 6	6 42	
W 6	16 42	10 27	3 26	21 22	1 30	20 47	0 12	4 15	1 18	3 1	1 3	22 6	0 0	2 3	0 44	12 17	0 33	5 7	16 44	20 22	20 13	21 20	12 6	6 42	
T 7	16 58	6 7	4 10	21 56	1 38	21 4	0 14	4 12	1 15	2 57	1 3	22 5	0 0	2 2	0 44	12 17	0 33	5 6	16 44	20 23	20 13	21 20	12 6	6 41	
F 8	17 14	1 21	4 43	22 27	1 46	21 20	0 17	4 10	1 13	2 53	1 3	22 5	0 0	2 1	0 44	12 17	0 33	5 6	16 44	20 25	20 14	21 20	12 6	6 40	
S 9	17 30	3s37	5 0	22 55	1 53	21 36	0 19	4 8	1 10	2 48	1 4	22 4	0 1	2 0	0 44	12 17	0 33	5 6	16 45	20 27	20 15	21 20	12 6	6 39	
S 10	17 46	8 34	5 1	23 21	2 0	21 51	0 22	4 7	1 8	2 44	1 4	22 4	0 1	1 59	0 44	12 17	0 33	5 5	16 45	20 29	20 15	21 21	12 6	6 39	
M 11	18 1	13 9	4 42	23 45	2 6	22 5	0 24	4 6	1 5	2 40	1 4	22 3	0 1	1 58	0 44	12 17	0 33	5 5	16 45	20 31	20 16	21 21	12 5	6 38	
T 12	18 16	17 1	4 4	24 6	2 11	22 19	0 27	4 5	1 2	2 36	1 4	22 2	0 1	1 58	0 44	12 17	0 33	5 5	16 45	20 33	20 17	21 21	12 5	6 37	
W 13	18 31	19 50	3 10	24 24	2 15	22 32	0 29	4 4	1 0	2 31	1 4	22 2	0 1	1 57	0 44	12 17	0 33	5 4	16 45	20 34	20 17	21 21	12 5	6 37	
T 14	18 46	21 19	2 3	24 40	2 18	22 45	0 32	4 4	0 57	2 27	1 5	22 1	0 1	1 56	0 45	12 17	0 33	5 4	16 45	20 35	20 18	21 22	12 5	6 36	
F 15	19 0	21 19	0 48	24 54	2 21	22 57	0 34	4 4	0 55	2 23	1 5	22 0	0 1	1 55	0 45	12 17	0 33	5 4	16 45	20 35	20 19	21 22	12 5	6 35	
S 16	19 14	19 55	0s28	25 5	2 23	23 8	0 37	4 4	0 52	2 19	1 5	22 0	0 1	1 54	0 45	12 17	0 33	5 3	16 45	20 35	20 19	21 22	12 4	6 35	
S 17	19 27	17 16	1 42	25 15	2 23	23 18	0 39	4 5	0 50	2 15	1 5	21 59	0 1	1 53	0 45	12 17	0 33	5 3	16 46	20 35	20 20	21 22	12 4	6 34	
M 18	19 40	13 41	2 49	25 22	2 23	23 28	0 41	4 5	0 47	2 11	1 5	21 58	0 1	1 53	0 45	12 16	0 33	5 3	16 46	20 35	20 21	21 22	12 4	6 33	
T 19	19 53	9 26	3 44	25 27	2 23	23 38	0 44	4 7	0 45	2 7	1 6	21 57	0 1	1 52	0 45	12 16	0 33	5 3	16 46	20 35	20 21	21 23	12 3	6 33	
W 20	20 5	4 49	4 26	25 30	2 21	23 46	0 46	4 8	0 42	2 3	1 6	21 57	0 2	1 51	0 45	12 16	0 33	5 2	16 46	20 36	20 22	21 23	12 3	6 32	
T 21	20 18	0 3	4 53	25 32	2 18	23 54	0 49	4 10	0 40	2 0	1 6	21 56	0 2	1 50	0 45	12 16	0 33	5 2	16 46	20 37	20 22	21 23	12 3	6 31	
F 22	20 29	4n38	5 5	25 32	2 14	24 1	0 51	4 12	0 38	1 56	1 6	21 55	0 2	1 50	0 45	12 16	0 33	5 2	16 46	20 39	20 23	21 23	12 2	6 31	
S 23	20 41	9 3	5 1	25 30	2 10	24 8	0 53	4 14	0 35	1 52	1 6	21 54	0 2	1 49	0 45	12 16	0 33	5 2	16 47	20 41	20 24	21 23	12 2	6 30	
S 24	20 52	13 1	4 43	25 26	2 4	24 14	0 55	4 16	0 33	1 48	1 7	21 53	0 2	1 48	0 45	12 16	0 33	5 1	16 47	20 42	20 24	21 24	12 1	6 29	
M 25	21 3	16 22	4 12	25 21	1 58	24 19	0 58	4 19	0 31	1 45	1 7	21 52	0 2	1 47	0 45	12 15	0 33	5 1	16 47	20 44	20 25	21 24	12 1	6 29	
T 26	21 13	18 59	3 30	25 15	1 51	24 23	1 0	4 22	0 28	1 41	1 7	21 52	0 2	1 47	0 45	12 15	0 33	5 1	16 47	20 46	20 26	21 24	12 0	6 28	
W 27	21 23	20 43	2 38	25 8	1 43	24 27	1 2	4 25	0 26	1 38	1 7	21 51	0 2	1 46	0 45	12 15	0 33	5 1	16 47	20 47	20 26	21 24	12 0	6 27	
T 28	21 33	21 32	1 41	24 59	1 33	24 30	1 4	4 29	0 24	1 34	1 8	21 50	0 2	1 45	0 45	12 15	0 33	5 1	16 48	20 48	20 27	21 24	11 59	6 27	
F 29	21 42	21 22	0 39	24 49	1 23	24 32	1 6	4 33	0 22	1 31	1 8	21 49	0 2	1 45	0 45	12 15	0 33	5 0	16 48	20 48	20 28	21 25	11 58	6 26	
S 30	21 51	20 16	0n25	24 38	1 13	24 33	1 8	4 37	0 20	1 28	1 8	21 48	0 2	1 44	0 45	12 14	0 33	5 0	16 48	20 48	20 28	21 25	11 58	6 26	
S 31	21n59	18n16	1n28	24n26	1n 1	24n34	1n10	4s41	0n18	1s24	1s 8	21n47	0n 2	1s44	0s45	12n14	0n33	5s 0	16s48	20n48	20n29	21n25	11n57	6s25	

ASTRODIENST EPHEMERIS for the year 2093

geocentric

JUNE 2093

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	16 41 0	11 ^{II} 18'31	25 ^Ω 4	19 [♂] 22	4 [♂] 0	12 [♂] 40	29 [♂] 15	21 [♂] 23	27 [♂] 25	29 [♂] 18	27 [♂] 55	26 [♂] 44	28 [♂] 17	14 [♂] 26	8 [♂] 29	M 1
T 2	16 44 57	12°16'02	7 [♂] 12	1°42	5°13	12°48	29°23	21°30	27°26	29°18	27°56	26°R45	28°14	14°32	8°34	T 2
W 3	16 48 54	13°13'32	19°38	1°57	6°26	12°56	29°32	21°36	27°27	29°19	27°58	26°45	28°11	14°39	8°39	W 3
T 4	16 52 50	14°11'00	2 [♂] 26	2° 7	7°39	13° 5	29°40	21°43	27°29	29°20	27°59	26°43	28° 8	14°46	8°45	T 4
F 5	16 56 47	15° 8'28	15°40	2°13	8°52	13°14	29°48	21°50	27°30	29°21	28° 0	26°40	28° 4	14°52	8°50	F 5
S 6	17 0 43	16° 5'54	29°22	2°R14	10° 5	13°24	29°56	21°56	27°31	29°22	28° 1	26°35	28° 1	14°59	8°55	S 6
S 7	17 4 40	17° 3'18	13 [♂] 32	2°11	11°17	13°35	0 [♂] 4	22° 3	27°33	29°23	28° 2	26°29	27°58	15° 5	9° 1	S 7
M 8	17 8 36	18° 0'42	28° 6	2° 4	12°30	13°47	0°12	22°10	27°34	29°24	28° 3	26°23	27°55	15°12	9° 6	M 8
T 9	17 12 33	18°58'05	13 [♂] 7	1°52	13°43	13°59	0°20	22°17	27°35	29°24	28° 4	26°18	27°52	15°19	9°12	T 9
W10	17 16 29	19°55'27	28° 4	1°36	14°56	14°11	0°27	22°24	27°36	29°25	28° 4	26°14	27°49	15°25	9°18	W10
T 11	17 20 26	20°52'48	13 [♂] 10	1°16	16° 8	14°24	0°35	22°31	27°37	29°27	28° 5	26°12	27°45	15°32	9°23	T 11
F 12	17 24 23	21°50'09	28° 8	0°53	17°21	14°38	0°42	22°38	27°38	29°28	28° 6	26°D12	27°42	15°39	9°29	F 12
S 13	17 28 19	22°47'29	12 [♂] 52	0°27	18°34	14°52	0°49	22°45	27°39	29°29	28° 7	26°12	27°39	15°45	9°35	S 13
S 14	17 32 16	23°44'49	27°16	29 ^{II} 58	19°46	15° 7	0°56	22°52	27°40	29°30	28° 8	26°14	27°36	15°52	9°41	S 14
M15	17 36 12	24°42'08	11 [♂] 18	29°28	20°59	15°23	1° 3	22°59	27°41	29°31	28° 9	26°15	27°33	15°59	9°47	M15
T 16	17 40 9	25°39'26	24°57	28°55	22°11	15°39	1° 9	23° 7	27°41	29°32	28°10	26°R16	27°30	16° 5	9°53	T 16
W17	17 44 5	26°36'45	8 [♂] 16	28°22	23°24	15°55	1°16	23°14	27°42	29°33	28°11	26°15	27°26	16°12	9°59	W17
T 18	17 48 2	27°34'03	21°15	27°47	24°36	16°12	1°22	23°21	27°43	29°34	28°11	26°13	27°23	16°19	10° 5	T 18
F 19	17 51 58	28°31'20	3 [♂] 57	27°13	25°49	16°30	1°28	23°28	27°43	29°36	28°12	26°10	27°20	16°25	10°11	F 19
S 20	17 55 55	29°28'38	16°25	26°40	27° 1	16°48	1°34	23°36	27°44	29°37	28°13	26° 6	27°17	16°32	10°17	S 20
S 21	17 59 52	0 [♂] 25'55	28°41	26° 8	28°13	17° 6	1°40	23°43	27°45	29°38	28°14	26° 2	27°14	16°39	10°24	S 21
M22	18 3 48	1°23'12	10 ^{II} 47	25°38	29°26	17°25	1°46	23°50	27°45	29°40	28°15	25°58	27°10	16°45	10°30	M22
T 23	18 7 45	2°20'28	22°45	25°10	0 [♂] 38	17°44	1°52	23°58	27°46	29°41	28°15	25°55	27° 7	16°52	10°36	T 23
W24	18 11 41	3°17'45	4 [♂] 37	24°44	1°50	18° 4	1°57	24° 5	27°46	29°42	28°16	25°52	27° 4	16°58	10°43	W24
T 25	18 15 38	4°15'00	16°25	24°22	3° 2	18°24	2° 2	24°13	27°46	29°44	28°17	25°51	27° 1	17° 5	10°49	T 25
F 26	18 19 34	5°12'16	28°12	24° 4	4°15	18°45	2° 7	24°20	27°47	29°45	28°17	25°D50	26°58	17°12	10°56	F 26
S 27	18 23 31	6° 9'31	9 [♂] 59	23°49	5°27	19° 6	2°12	24°28	27°47	29°47	28°18	25°51	26°55	17°18	11° 2	S 27
S 28	18 27 27	7° 6'45	21°51	23°39	6°39	19°28	2°17	24°35	27°47	29°48	28°19	25°52	26°51	17°25	11° 9	S 28
M29	18 31 24	8° 3'59	3 [♂] 50	23°33	7°51	19°50	2°21	24°43	27°47	29°50	28°19	25°54	26°48	17°32	11°16	M29
T 30	18 35 21	9 [♂] 1'13	16 [♂] 1	23°D31	9 [♂] 3	20 [♂] 13	2°25	24 [♂] 50	27 [♂] 47	29 [♂] 51	28 [♂] 20	25 [♂] 55	26 [♂] 45	17 [♂] 38	11 [♂] 22	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
M 1	22n 7	15n29	2n28	24n14	0n48	24n34	1n12	4s46	0n16	1s21	1s 9	21n46	0n 3	1s43	0s45	12n14	0n33	5s 0	16s49	20n48	20n30	21n25	11n56	6s24	0n 5
T 2	22 15	11 59	3 22	24 0	0 35	24 34	1 14	4 51	0 14	1 18	1 9	21 45	0 3	1 43	0 45	12 14	0 33	5 0	16 49	20 48	20 30	21 25	11 56	6 24	0 1
W 3	22 22	7 54	4 8	23 46	0 21	24 32	1 16	4 56	0 12	1 15	1 9	21 44	0 3	1 42	0 45	12 13	0 33	5 0	16 49	20 48	20 31	21 25	11 55	6 23	0 1
T 4	22 29	3 22	2 43	23 31	0 6	24 30	1 18	5 1	0 10	1 11	1 9	21 43	0 3	1 42	0 45	12 13	0 33	4 59	16 49	20 48	20 31	21 25	11 54	6 23	0 1
F 5	22 36	1s28	5 5	23 15	0s 9	24 27	1 20	5 6	0 8	1 8	1 10	21 42	0 3	1 41	0 45	12 13	0 33	4 59	16 49	20 49	20 32	21 26	11 53	6 22	0 1
S 6	22 42	6 24	5 10	23 0	0 25	24 24	1 22	5 12	0 6	1 5	1 10	21 41	0 3	1 41	0 45	12 12	0 33	4 59	16 50	20 50	20 33	21 26	11 52	6 22	0 1
S 7	22 48	11 10	4 57	22 43	0 41	24 20	1 23	5 18	0 4	1 2	1 10	21 40	0 3	1 40	0 45	12 12	0 33	4 59	16 50	20 51	20 33	21 26	11 51	6 21	0 1
M 8	22 53	15 25	4 25	22 27	0 58	24 15	1 25	5 24	0 2	1 0	1 10	21 39	0 3	1 40	0 45	12 12	0 33	4 59	16 50	20 52	20 34	21 26	11 51	6 21	0 1
T 9	22 58	18 49	3 34	22 10	1 15	24 9	1 27	5 31	0 0	0 57	1 11	21 38	0 3	1 39	0 45	12 11	0 33	4 59	16 50	20 53	20 35	21 26	11 50	6 20	0 1
W10	23 3	20 57	2 27	21 53	1 32	24 3	1 28	5 37	0s 2	0 54	1 11	21 37	0 3	1 39	0 45	12 11	0 33	4 59	16 51	20 53	20 35	21 26	11 49	6 20	0 1
T 11	23 7	21 36	1 11	21 36	1 49	23 56	1 30	5 44	0 4	0 51	1 11	21 36	0 3	1 39	0 45	12 11	0 33	4 59	16 51	20 54	20 36	21 26	11 48	6 19	0 1
F 12	23 10	20 42	0s11	21 19	2 6	23 48	1 31	5 51	0 5	0 49	1 11	21 35	0 3	1 38	0 45	12 10	0 33	4 59	16 51	20 54	20 37	21 26	11 47	6 18	0 1
S 13	23 14	18 23	1 30	21 2	2 23	23 40	1 32	5 58	0 7	0 46	1 12	21 34	0 4	1 38	0 46	12 10	0 33	4 59	16 52	20 54	20 37	21 26	11 46	6 18	0 1
S 14	23 17	14 57	2 42	20 46	2 40	23 31	1 34	6 5	0 9	0 44	1 12	21 33	0 4	1 38	0 46	12 9	0 33	4 59	16 52	20 54	20 38	21 27	11 45	6 17	0 1
M15	23 19	10 45	3 42	20 30	2 55	23 21	1 35	6 13	0 10	0 41	1 12	21 32	0 4	1 37	0 46	12 9	0 33	4 59	16 52	20 53	20 38	21 27	11 44	6 17	0 1
T 16	23 21	6 6	4 28	20 15	3 10	23 11	1 36	6 20	0 12	0 39	1 12	21 31	0 4	1 37	0 46	12 9	0 33	4 59	16 52	20 53	20 39	21 27	11 43	6 17	0 1
W17	23 23	1 18	4 58	20 0	3 25	23 0	1 37	6 28	0 14	0 36	1 13	21 30	0 4	1 37	0 46	12 8	0 33	4 59	16 53	20 53	20 40	21 27	11 41	6 16	0 1
T 18	23 24	3n27	5 12	19 47	3 38	22 48	1 38	6 36	0 15	0 34	1 13	21 28	0 4	1 36	0 46	12 8	0 33	4 59	16 53	20 54	20 40	21 27	11 40	6 16	0 1
F 19	23 25	7 57	5 11	19 34	3 50	22 36	1 39	6 44	0 17	0 32	1 13	21 27	0 4	1 36	0 46	12 7	0 33	4 59	16 53	20 54	20 41	21 27	11 39	6 15	0 1
S 20	23 25	12 2	4 54	19 23	4 1	22 23	1 40	6 53	0 19	0 30	1 13	21 26	0 4	1 36	0 46	12 7	0 33	4 59	16 54	20 55	20 42	21 27	11 38	6 15	0 1
S 21	23 25	15 33	4 24	19 12	4 10	22 9	1 41	7 1	0 20	0 28	1 14	21 25	0 4	1 36	0 46	12 6	0 33	4 59	16 54	20 56	20 42	21 27	11 37	6 14	0 1
M22	23 25	18 22	3 43	19 3	4 18	21 55	1 42	7 10	0 22	0 26	1 14	21 24	0 4	1 36	0 46	12 6	0 33	4 59	16 54	20 57	20 43	21 27	11 36	6 14	0 1
T 23	23 24	20 21	2 52	18 56	4 25	21 40	1 42	7 19	0 23	0 24	1 14	21 23	0 4	1 36	0 46	12 5	0 33	4 59	16 54	20 57	20 43	21 27	11 34	6 13	0 1
W24	23 23	21 26	1 54	18 50	4 30	21 25	1 43	7 28	0 25	0 22	1 15	21 21	0 5	1 35	0 46	12 5	0 33	4 59	16 55	20 58	20 44	21 27	11 33	6 13	0 1
T 25	23 21	21 34	0 52	18 45	4 34	21 9	1 43	7 37	0 26	0 20	1 15	21 20	0 5	1 35	0 46	12 5	0 33	4 59	16 55	20 58	20 45	21 27	11 32	6 12	0 1
F 26	23 19	20 43	0n13	18 42	4 36	20 52	1 44	7 46	0 27	0 18	1 15	21 19	0 5	1 35	0 46	12 4	0 33	4 59	16 55	20 58	20 45	21 27	11 30	6 12	0 1
S 27	23 17	18 59	1 17	18 40	4 37	20 35	1 44	7 55	0 29	0 17	1 15	21 18	0 5	1 35	0 46	12 3	0 33	4 59	16 56	20 58	20 46	21 27	11 29	6 12	0 1
S 28	23 14	16 24	2 19	18 40	4 36	20 17	1 45	8 5	0 30	0 15	1 16	21 16	0 5	1 35	0 46	12 3	0 33	4 59	16 56	20 58	20 46	21 27	11 28	6 11	0 1
M29	23 11	13 7	3 15	18 42	4 34	19 59	1 45	8 14	0 31	0 14	1 16	21 15	0 5	1 35	0 46	12 2	0 33	4 59	16 56	20 57	20 47	21 27	11 26	6 11	0 1
T 30	23n 7	9n15	4n 3	18n45	4s31	19n40	1n45	8s24	0s33	0s12	1s16	21n14	0n 5	1s35	0s46	12n 2	0n33	4s59	16s57	20n57	20n48	21n27	11n25	6s11	0n 5

ASTRODIENST EPHEMERIS for the year 2093

geocentric

JULY 2093

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	18 39 17	9 ⁵⁸ 26	28 ¹⁷ 27	23 ¹¹ 35	10 ¹⁰ 15	20 ²⁵ 35	2 ¹⁷ 29	24 ⁵⁸ 58	27 ⁴⁷ 47	29 ⁵³ 53	28 ¹⁷ 20	25 ⁵⁶ 56	26 ⁴² 42	17 ⁵² 52	11 ²⁹ 29	W 1
T 2	18 43 14	10 ⁵⁵ 39	11 ¹³ 13	23 ⁴³ 43	11 ²⁷ 27	20 ⁵⁹ 59	2 ³³ 33	25 ⁶ 6	27 ⁴⁸ 48	29 ⁵⁴ 54	28 ²¹ 21	25 ⁵⁶ 56	26 ³⁹ 39	17 ⁵² 52	11 ³⁶ 36	T 2
F 3	18 47 10	11 ⁵² 51	24 ²² 22	23 ⁵⁶ 56	12 ³⁹ 39	21 ²² 22	2 ³⁷ 37	25 ¹³ 13	27 ⁴⁷ 47	29 ⁵⁶ 56	28 ²¹ 21	25 ⁵⁶ 56	26 ³⁵ 35	17 ⁵⁸ 58	11 ⁴³ 43	F 3
S 4	18 51 7	12 ⁵⁰ 03	7 ¹⁵ 58	24 ¹⁴ 14	13 ⁵¹ 51	21 ⁴⁶ 46	2 ⁴¹ 41	25 ²¹ 21	27 ⁴⁷ 47	29 ⁵⁷ 57	28 ²² 22	25 ⁵⁵ 55	26 ³² 32	18 ⁵ 5	11 ⁵⁰ 50	S 4
S 5	18 55 3	13 ⁴⁷ 15	22 ⁰ 0	24 ³⁷ 37	15 ³ 3	22 ¹¹ 11	2 ⁴⁴ 44	25 ²⁹ 29	27 ⁴⁷ 47	29 ⁵⁹ 59	28 ²² 22	25 ⁵⁴ 54	26 ²⁹ 29	18 ¹² 12	11 ⁵⁶ 56	S 5
M 6	18 59 0	14 ⁴⁴ 26	6 ²⁸ 28	25 ⁵ 5	16 ¹⁴ 14	22 ³⁵ 35	2 ⁴⁷ 47	25 ³⁶ 36	27 ⁴⁷ 47	0 ¹ 1	28 ²³ 23	25 ⁵² 52	26 ²⁶ 26	18 ¹⁸ 18	12 ³ 3	M 6
T 7	19 2 56	15 ⁴¹ 37	21 ¹⁹ 19	25 ³⁸ 38	17 ²⁶ 26	23 ¹ 1	2 ⁵⁰ 50	25 ⁴⁴ 44	27 ⁴⁷ 47	0 ² 2	28 ²³ 23	25 ⁵¹ 51	26 ²³ 23	18 ²⁵ 25	12 ¹⁰ 10	T 7
W 8	19 6 53	16 ³⁸ 49	6 ³² 32	26 ¹⁵ 15	18 ³⁸ 38	23 ²⁶ 26	2 ⁵³ 53	25 ⁵² 52	27 ⁴⁷ 47	0 ⁴ 4	28 ²⁴ 24	25 ⁵⁰ 50	26 ²⁰ 20	18 ³² 32	12 ¹⁷ 17	W 8
T 9	19 10 50	17 ³⁶ 00	21 ³⁷ 37	26 ⁵⁸ 58	19 ⁴⁹ 49	23 ⁵² 52	2 ⁵⁶ 56	25 ⁵⁹ 59	27 ⁴⁶ 46	0 ⁶ 6	28 ²⁴ 24	25 ⁵⁰ 50	26 ¹⁶ 16	18 ³⁸ 38	12 ²⁴ 24	T 9
F 10	19 14 46	18 ³³ 11	6 ⁴⁶ 46	27 ⁴⁶ 46	21 ¹ 1	24 ¹⁸ 18	2 ⁵⁹ 59	26 ⁷ 7	27 ⁴⁶ 46	0 ⁸ 8	28 ²⁵ 25	25 ⁵⁰ 50	26 ¹³ 13	18 ⁴⁵ 45	12 ³¹ 31	F 10
S 11	19 18 43	19 ³⁰ 23	21 ⁴⁴ 44	28 ³⁸ 38	22 ¹² 12	24 ⁴⁴ 44	3 ¹ 1	26 ¹⁵ 15	27 ⁴⁶ 46	0 ⁹ 9	28 ²⁵ 25	25 ⁵¹ 51	26 ¹⁰ 10	18 ⁵¹ 51	12 ³⁸ 38	S 11
S 12	19 22 39	20 ²⁷ 34	6 ²² 22	29 ³⁵ 35	23 ²⁴ 24	25 ¹¹ 11	3 ³ 3	26 ²³ 23	27 ⁴⁵ 45	0 ¹¹ 11	28 ²⁵ 25	25 ⁵¹ 51	26 ⁷ 7	18 ⁵⁸ 58	12 ⁴⁶ 46	S 12
M13	19 26 36	21 ²⁴ 47	20 ³⁷ 37	0 ³⁶ 36	24 ³⁵ 35	25 ³⁸ 38	3 ⁵ 5	26 ³⁰ 30	27 ⁴⁵ 45	0 ¹³ 13	28 ²⁶ 26	25 ⁵² 52	26 ⁴ 4	19 ⁵ 5	12 ⁵³ 53	M13
T 14	19 30 32	22 ²¹ 59	4 ¹⁵ 25	1 ⁴³ 43	25 ⁴⁷ 47	26 ⁶ 6	3 ⁷ 7	26 ³⁸ 38	27 ⁴⁴ 44	0 ¹⁵ 15	28 ²⁶ 26	25 ⁵² 52	26 ¹ 1	19 ¹¹ 11	13 ⁰ 0	T 14
W15	19 34 29	23 ¹⁹ 13	17 ⁴⁸ 48	2 ⁵³ 53	26 ⁵⁸ 58	26 ³³ 33	3 ⁸ 8	26 ⁴⁶ 46	27 ⁴³ 43	0 ¹⁷ 17	28 ²⁶ 26	25 ⁵² 52	25 ⁵⁷ 57	19 ¹⁸ 18	13 ⁷ 7	W15
T 16	19 38 25	24 ¹⁶ 26	0 ⁴⁷ 47	4 ⁸ 8	28 ⁹ 9	27 ¹ 1	3 ⁹ 9	26 ⁵⁴ 54	27 ⁴³ 43	0 ¹⁹ 19	28 ²⁷ 27	25 ⁵² 52	25 ⁵⁴ 54	19 ²⁵ 25	13 ¹⁴ 14	T 16
F 17	19 42 22	25 ¹³ 41	13 ²⁴ 24	5 ²⁸ 28	29 ²¹ 21	27 ³⁰ 30	3 ¹¹ 11	27 ¹ 1	27 ⁴² 42	0 ²⁰ 20	28 ²⁷ 27	25 ⁵² 52	25 ⁵¹ 51	19 ³¹ 31	13 ²² 22	F 17
S 18	19 46 19	26 ¹⁰ 56	25 ⁴⁵ 45	6 ⁵² 52	0 ³² 32	27 ⁵⁸ 58	3 ¹² 12	27 ⁹ 9	27 ⁴¹ 41	0 ²² 22	28 ²⁷ 27	25 ⁵² 52	25 ⁴⁸ 48	19 ³⁸ 38	13 ²⁹ 29	S 18
S 19	19 50 15	27 ⁸ 12	7 ¹¹ 52	8 ²⁰ 20	1 ⁴³ 43	28 ²⁷ 27	3 ¹² 12	27 ¹⁷ 17	27 ⁴¹ 41	0 ²⁴ 24	28 ²⁷ 27	25 ⁵² 52	25 ⁴⁵ 45	19 ⁴⁵ 45	13 ³⁶ 36	S 19
M20	19 54 12	28 ⁵ 28	19 ⁵⁰ 50	9 ⁵² 52	2 ⁵⁴ 54	28 ⁵⁶ 56	3 ¹³ 13	27 ²⁵ 25	27 ⁴⁰ 40	0 ²⁶ 26	28 ²⁷ 27	25 ⁵² 52	25 ⁴¹ 41	19 ⁵¹ 51	13 ⁴⁴ 44	M20
T 21	19 58 8	29 ² 45	1 ⁴¹ 41	11 ²⁸ 28	4 ⁵ 5	29 ²⁶ 26	3 ¹³ 13	27 ³³ 33	27 ³⁹ 39	0 ²⁸ 28	28 ²⁸ 28	25 ⁵³ 53	25 ³⁸ 38	19 ⁵⁸ 58	13 ⁵¹ 51	T 21
W22	20 2 5	0 ⁰ 03	13 ²⁸ 28	13 ⁸ 8	5 ¹⁶ 16	29 ⁵⁵ 55	3 ¹³ 13	27 ⁴⁰ 40	27 ³⁸ 38	0 ³⁰ 30	28 ²⁸ 28	25 ⁵³ 53	25 ³⁵ 35	20 ⁵ 5	13 ⁵⁸ 58	W22
T 23	20 6 1	0 ⁵⁷ 21	25 ¹⁵ 15	14 ⁵² 52	6 ²⁷ 27	0 ¹² 25	3 ¹³ 13	27 ⁴⁸ 48	27 ³⁷ 37	0 ³² 32	28 ²⁸ 28	25 ⁵³ 53	25 ³² 32	20 ¹¹ 11	14 ⁶ 6	T 23
F 24	20 9 58	1 ⁵⁴ 40	7 ¹⁰ 4	16 ³⁹ 39	7 ³⁸ 38	0 ⁵⁶ 56	3 ¹³ 13	27 ⁵⁶ 56	27 ³⁶ 36	0 ³⁴ 34	28 ²⁸ 28	25 ⁵³ 53	25 ²⁹ 29	20 ¹⁸ 18	14 ¹³ 13	F 24
S 25	20 13 54	2 ⁵¹ 59	18 ⁵⁶ 56	18 ²⁹ 29	8 ⁴⁹ 49	1 ²⁶ 26	3 ¹³ 13	28 ⁴ 4	27 ³⁵ 35	0 ³⁶ 36	28 ²⁸ 28	25 ⁵² 52	25 ²⁶ 26	20 ²⁵ 25	14 ²¹ 21	S 25
S 26	20 17 51	3 ⁴⁹ 19	0 ¹⁵ 55	20 ²² 22	9 ⁵⁹ 59	1 ⁵⁷ 57	3 ¹² 12	28 ¹¹ 11	27 ³⁴ 34	0 ³⁸ 38	28 ²⁸ 28	25 ⁵¹ 51	25 ²² 22	20 ³¹ 31	14 ²⁸ 28	S 26
M27	20 21 48	4 ⁴⁶ 40	13 ³ 3	22 ¹⁸ 18	11 ¹⁰ 10	2 ²⁸ 28	3 ¹¹ 11	28 ¹⁹ 19	27 ³³ 33	0 ⁴⁰ 40	28 ²⁸ 28	25 ⁵⁰ 50	25 ¹⁹ 19	20 ³⁸ 38	14 ³⁵ 35	M27
T 28	20 25 44	5 ⁴⁴ 00	25 ²¹ 21	24 ¹⁶ 16	12 ²¹ 21	2 ⁵⁹ 59	3 ¹⁰ 10	28 ²⁷ 27	27 ³² 32	0 ⁴² 42	28 ²⁸ 28	25 ⁴⁹ 49	25 ¹⁶ 16	20 ⁴⁴ 44	14 ⁴³ 43	T 28
W29	20 29 41	6 ⁴¹ 22	7 ¹⁵ 33	26 ¹⁶ 16	13 ³¹ 31	3 ³¹ 31	3 ⁹ 9	28 ³⁵ 35	27 ³⁰ 30	0 ⁴⁴ 44	28 ²⁸ 28	25 ⁴⁸ 48	25 ¹³ 13	20 ⁵¹ 51	14 ⁵⁰ 50	W29
T 30	20 33 37	7 ³⁸ 43	20 ⁴² 42	28 ¹⁸ 18	14 ⁴² 42	4 ² 2	3 ⁸ 8	28 ⁴² 42	27 ²⁹ 29	0 ⁴⁶ 46	28 ²⁸ 28	25 ⁴⁷ 47	25 ¹⁰ 10	20 ⁵⁸ 58	14 ⁵⁸ 58	T 30
F 31	20 37 34	8 ³⁶ 06	3 ¹¹ 49	0 ¹² 22	15 ¹⁵ 52	4 ¹¹ 34	3 ¹⁷ 6	28 ⁵⁰ 50	27 ²⁸ 28	0 ⁴⁸ 48	28 ¹⁷ 28	25 ⁴⁶ 46	25 ⁷ 7	21 ⁵ 5	15 ¹⁰ 10	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	decl	lat
W 1	23n 3	4n55	4n41	18n50	4s27	19n21	1n45	8s34	0s34	0s11	1s17	21n13	0n 5	1s35	0s46	12n 1	0n33	4s59	16s57	20n57	20n48	21n27	11n23	6s10					
T 2	22 59	0 16	5 7	18 55	4 21	19 1	1 45	8 44	0 35	0 10	1 17	21 11	0 5	1 35	0 46	12 1	0 33	4 59	16 57	20 57	20 49	21 27	11 22	6 10					
F 3	22 54	4s32	5 17	19 3	4 15	18 41	1 45	8 54	0 37	0 8	1 17	21 10	0 5	1 35	0 46	12 0	0 33	5 0	16 58	20 57	20 49	21 27	11 20	6 9					
S 4	22 48	9 16	5 10	19 11	4 7	18 20	1 45	9 4	0 38	0 7	1 17	21 9	0 5	1 35	0 46	12 0	0 33	5 0	16 58	20 57	20 50	21 27	11 19	6 9					
S 5	22 43	13 40	4 45	19 20	3 59	17 59	1 44	9 14	0 39	0 6	1 18	21 7	0 5	1 35	0 46	11 59	0 33	5 0	16 58	20 57	20 51	21 27	11 17	6 9					
M 6	22 37	17 25	4 1	19 30	3 50	17 37	1 44	9 25	0 40	0 5	1 18	21 6	0 6	1 35	0 46	11 58	0 33	5 0	16 59	20 58	20 51	21 27	11 16	6 8					
T 7	22 30	20 9	3 0	19 41	3 40	17 15	1 44	9 35	0 42	0 4	1 18	21 5	0 6	1 35	0 46	11 58	0 33	5 0	16 59	20 58	20 52	21 27	11 14	6 8					
W 8	22 23	21 31	1 46	19 53	3 29	16 52	1 43	9 46	0 43	0 3	1 19	21 3	0 6	1 36	0 46	11 57	0 33	5 0	16 59	20 58	20 52	21 27	11 13	6 8					
T 9	22 16	21 18	0 23	20 5	3 18	16 29	1 43	9 56	0 44	0 2	1 19	21 2	0 6	1 36	0 46	11 57	0 33	5 1	17 0	20 58	20 53	21 27	11 11	6 7					
F 10	22 9	19 33	1s 0	20 18	3 6	16 6	1 42	10 7	0 45	0 2	1 19	21 1	0 6	1 36	0 47	11 56	0 33	5 1	17 0	20 58	20 54	21 27	11 9	6 7					
S 11	22 1	16 27	2 19	20 31	2 54	15 42	1 41	10 18	0 46	0 1	1 20	20 59	0 6	1 36	0 47	11 55	0 33	5 1	17 0	20 58	20 54	21 27	11 8	6 7					
S 12	21 52	12 22	3 27	20 44	2 42	15 17	1 40	10 28	0 47	0 1	1 20	20 58	0 6	1 36	0 47	11 55	0 33	5 1	17 1	20 58	20 55	21 27	11 6	6 7					
M13	21 43	7 42	4 20	20 57	2 29	14 53	1 39	10 39	0 48	0 0	1 20	20 56	0 6	1 37	0 47	11 54	0 33	5 1	17 1	20 58	20 55	21 27	11 4	6 6					
T 14	21 34	2 46	4 56	21 10	2 15	14 28	1 38	10 50	0 49	0n 0	1 20	20 55	0 6	1 37	0 47	11 54	0 33	5 2	17 1	20 58	20 56	21 27	11 3	6 6					
W15	21 25	2n 8	5 15	21 22	2 2	14 2	1 37	11 1	0 50	0 1	1 21	20 54	0 6	1 37	0 47	11 53	0 33	5 2	17 2	20 58	20 57	21 27	11 1	6 6					
T 16	21 15	6 47	5 17	21 33	1 48	13 37	1 36	11 12	0 51	0 1	1 21	20 52	0 6	1 37	0 47	11 52	0 33	5 2	17 2	20 58	20 57	21 27	10 59	6 6					
F 17	21 5	1 1	5 3	21 44	1 35	13 11	1 35	11 23	0 52	0 1	1 21	20 51	0 6	1 38	0 47	11 52	0 33	5 2	17 2	20 58	20 58	21 27	10 58	6 5					
S 18	20 54	14 43	4 36	21 54	1 21	12 44	1 34	11 35	0 53	0 1	1 22	20 49	0 7	1 38	0 47	11 51	0 33	5 2	17 3	20 58	20 58	21 27	10 56	6 5					
S 19	20 43	17 43	3 57	22 3	1 7	12 18	1 32	11 46	0 54	0 1	1 22	20 48	0 7	1 38	0 47	11 50	0 33	5 3	17 3	20 58	20 59	21 26	10 54	6 5					
M20	20 32	19 55	3 7	22 10	0 54	11 51	1 31	11 57	0 55	0 1	1 22	20 47	0 7	1 39	0 47	11 50	0 33	5 3	17 3	20 58	21 0	21 26	10 52	6 5					
T 21	20 20	21 14	2 11	22 16	0 40	11 23	1 29	12 9	0 56	0 1	1 23	20 45	0 7	1 39	0 47	11 49	0 33	5 3	17 4	20 58	21 0	21 26	10 50	6 4					
W22	20 8	21 37	1 8	22 20	0 27	10 56	1 27	12 20	0 57	0 1	1 23	20 44	0 7	1 40	0 47	11 48	0 33	5 4	17 4	20 58	21 1	21 26	10 48	6 4					
T 23	19 56	21 1	0 3	22 22	0 14	10 28	1 26	12 31	0 58	0 1	1 23	20 42	0 7	1 40	0 47	11 47	0 33	5 4	17 4	20 57	21 1	21 26	10 47	6 4					
F 24	19 43	19 30	1n 2	22 21	0 2	10 0	1 24	12 43	0 59	0 0	1 23	20 41	0 7	1 40	0 47	11 47	0 33	5 4	17 5	20 58	21 2	21 26	10 45	6 4					
S 25	19 30	17 7	2 5	22 19	0n10	9 31	1 22	12 54	1 0	0s 0	1 24	20 39	0 7	1 41	0 47	11 46	0 33	5 4	17 5	20 58	21 3	21 26	10 43	6 4					
S 26	19 17	13 59	3 3	22 14	0 22	9 3	1 20	13 6	1 1	0 1	1 24	20 38	0 7	1 41	0 47	11 45	0 33	5 5	17 5	20 58	21 3	21 26	10 41	6 3					
M27	19 4	10 15	3 53	22 7	0 32	8 34	1 18	13 17	1 2	0 1	1 24	20 36	0 7	1 42	0 47	11 45	0 33	5 5	17 6	20 58	21 4	21 26	10 39	6 3					
T 28	18 50	6 2	4 33	21 57	0 43	8 5	1 15	13 29	1 3	0 2	1 25	20 35	0 7	1 42	0 47	11 44	0 33	5 5	17 6	20 58	21 4	21 25	10 37	6 3					
W29	18 35	1 30	5 2	21 44	0 52	7 36	1 13	13 40	1 3	0 3	1 25	20 33	0 8	1 43	0 47	11 43	0 33	5 6	17 6	20 58	21 5	21 25	10 35	6 3					
T 30	18 21	3s12	5 16	21 29	1 1	7 7	1 11	13 52	1 4	0 4	1 25	20 32	0 8	1 43	0 47	11 42	0 33	5 6	17 7	20 59	21 5	21 25	10 33	6 3					
F 31	18n 6	7s51	5n14	21n11	1n 9	6n37	1n 8	14s 4	1s 5	0s 4	1s25	20n30	0n 8	1s44	0s47	11n42	0n33	5s 6	17s 7	20n59	21n 6	21n25	10n31	6s 3					

ASTRODIENST EPHEMERIS for the year 2093

geocentric

AUGUST 2093

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 41 30	9♂33'29	17♂18	2♂26	17♂ 3	5♂ 7	3°R 4	28♂58	27°R26	0♂50	28°R28	25♂46	25♂ 3	21♂11	15♂13	S 1
S 2	20 45 27	10°30'52	1♂10	4°31	18°13	5°39	3°Y 2	29° 5	27♂25	0°53	28°Y28	25°47	25° 0	21°18	15°20	S 2
M 3	20 49 23	11°28'16	15°25	6°37	19°23	6°12	3° 0	29°13	27°24	0°55	28°28	25°48	24°57	21°24	15°28	M 3
T 4	20 53 20	12°25'41	0♂ 1	8°42	20°33	6°45	2°58	29°21	27°22	0°57	28°28	25°49	24°54	21°31	15°36	T 4
W 5	20 57 17	13°23'06	14°54	10°48	21°43	7°18	2°55	29°28	27°21	0°59	28°27	25°50	24°51	21°38	15°43	W 5
T 6	21 1 13	14°20'33	29°57	12°52	22°53	7°51	2°52	29°36	27°19	1° 1	28°27	25°R50	24°47	21°44	15°51	T 6
F 7	21 5 10	15°18'00	15♂ 3	14°57	24° 3	8°25	2°50	29°44	27°18	1° 3	28°27	25°50	24°44	21°51	15°58	F 7
S 8	21 9 6	16°15'28	0♂ 3	17° 0	25°13	8°58	2°46	29°51	27°16	1° 5	28°27	25°48	24°41	21°58	16° 6	S 8
S 9	21 13 3	17°12'57	14°47	19° 3	26°23	9°32	2°43	29°59	27°14	1° 7	28°27	25°45	24°38	22° 4	16°13	S 9
M10	21 16 59	18°10'27	29°10	21° 4	27°32	10° 7	2°40	0♂ 6	27°13	1°10	28°26	25°42	24°35	22°11	16°21	M10
T 11	21 20 56	19° 7'58	13°Y 7	23° 5	28°42	10°41	2°36	0°14	27°11	1°12	28°26	25°39	24°32	22°17	16°28	T 11
W12	21 24 52	20° 5'31	26°36	25° 4	29°51	11°15	2°32	0°21	27° 9	1°14	28°26	25°37	24°28	22°24	16°36	W12
T 13	21 28 49	21° 3'05	9♂39	27° 2	1♂ 1	11°50	2°28	0°29	27° 7	1°16	28°25	25°35	24°25	22°31	16°44	T 13
F 14	21 32 46	22° 0'41	22°18	28°58	2°10	12°25	2°24	0°36	27° 6	1°18	28°25	25°D35	24°22	22°37	16°51	F 14
S 15	21 36 42	22°58'18	4♂37	0♂53	3°19	13° 0	2°19	0°44	27° 4	1°21	28°25	25°35	24°19	22°44	16°59	S 15
S 16	21 40 39	23°55'57	16°41	2°46	4°29	13°35	2°15	0°51	27° 2	1°23	28°24	25°37	24°16	22°51	17° 6	S 16
M17	21 44 35	24°53'37	28°35	4°39	5°38	14°11	2°10	0°58	27° 0	1°25	28°24	25°38	24°13	22°57	17°14	M17
T 18	21 48 32	25°51'19	10♂23	6°29	6°47	14°47	2° 5	1° 6	26°58	1°27	28°24	25°40	24° 9	23° 4	17°21	T 18
W19	21 52 28	26°49'02	22°10	8°19	7°56	15°22	2° 0	1°13	26°56	1°29	28°23	25°R41	24° 6	23°11	17°29	W19
T 20	21 56 25	27°46'47	3♂58	10° 6	9° 4	15°58	1°55	1°20	26°54	1°32	28°23	25°41	24° 3	23°17	17°36	T 20
F 21	22 0 21	28°44'33	15°52	11°53	10°13	16°35	1°50	1°28	26°52	1°34	28°22	25°39	24° 0	23°24	17°44	F 21
S 22	22 4 18	29°42'21	27°53	13°38	11°22	17°11	1°44	1°35	26°50	1°36	28°22	25°35	23°57	23°31	17°51	S 22
S 23	22 8 15	0♂40'09	10♂ 4	15°21	12°30	17°48	1°38	1°42	26°48	1°38	28°21	25°30	23°53	23°37	17°59	S 23
M24	22 12 11	1°38'00	22°25	17° 4	13°39	18°24	1°33	1°49	26°46	1°41	28°21	25°25	23°50	23°44	18° 6	M24
T 25	22 16 8	2°35'51	4♂58	18°44	14°47	19° 1	1°27	1°56	26°44	1°43	28°20	25°18	23°47	23°50	18°14	T 25
W26	22 20 4	3°33'44	17°44	20°24	15°55	19°38	1°20	2° 3	26°42	1°45	28°19	25°12	23°44	23°57	18°21	W26
T 27	22 24 1	4°31'38	0♂43	22° 2	17° 3	20°16	1°14	2°10	26°40	1°47	28°19	25° 7	23°41	24° 4	18°29	T 27
F 28	22 27 57	5°29'34	13°57	23°39	18°11	20°53	1° 8	2°17	26°37	1°49	28°18	25° 3	23°38	24°10	18°36	F 28
S 29	22 31 54	6°27'31	27°26	25°14	19°19	21°30	1° 1	2°24	26°35	1°52	28°18	25° 1	23°34	24°17	18°44	S 29
S 30	22 35 50	7°25'29	11♂11	26°48	20°27	22° 8	0°55	2°31	26°33	1°54	28°17	25°D 1	23°31	24°24	18°51	S 30
M31	22 39 47	8♂23'28	25♂13	28♂21	21♂34	22♂46	0°Y48	2♂38	26♂31	1♂56	28°Y16	25♂ 2	23♂28	24♂30	18♂58	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	decl	lat
S 1	17n51	12s16	4n55	20n51	1n16	6n 7	1n 6	14s15	1s 6	0s 5	1s26	20n29	0n 8	1s44	0s47	11n41	0n33	5s 7	17s 8	20n59	21n 7	21n25	10n29	6s 3			
S 2	17 36	16 10	4 19	20 28	1 23	5 38	1 3	14 27	1 7	0 7	1 26	20 27	0 8	1 45	0 47	11 40	0 33	5 7	17 8	20 59	21 7	21 25	10 27	6 2			
M 3	17 20	19 13	3 26	20 2	1 29	5 8	1 1	14 38	1 7	0 8	1 26	20 26	0 8	1 46	0 47	11 39	0 33	5 7	17 8	20 58	21 8	21 25	10 25	6 2			
T 4	17 4	21 7	2 18	19 35	1 33	4 38	0 58	14 50	1 8	0 9	1 27	20 24	0 8	1 46	0 47	11 39	0 33	5 8	17 9	20 58	21 8	21 24	10 23	6 2			
W 5	16 48	21 36	1 0	19 5	1 37	4 7	0 55	15 2	1 9	0 10	1 27	20 23	0 8	1 47	0 47	11 38	0 33	5 8	17 9	20 58	21 9	21 24	10 21	6 2			
T 6	16 31	20 31	0s23	18 33	1 41	3 37	0 52	15 13	1 10	0 11	1 27	20 21	0 8	1 47	0 47	11 37	0 33	5 9	17 9	20 58	21 9	21 24	10 19	6 2			
F 7	16 14	17 58	1 44	17 59	1 43	3 7	0 49	15 25	1 10	0 13	1 27	20 20	0 8	1 48	0 47	11 36	0 33	5 9	17 10	20 58	21 10	21 24	10 16	6 2			
S 8	15 57	14 13	2 58	17 24	1 45	2 36	0 46	15 36	1 11	0 14	1 28	20 18	0 8	1 49	0 47	11 36	0 33	5 9	17 10	20 58	21 11	21 24	10 14	6 2			
S 9	15 40	9 39	3 58	16 47	1 46	2 6	0 43	15 48	1 12	0 16	1 28	20 17	0 9	1 49	0 47	11 35	0 33	5 10	17 10	20 59	21 11	21 23	10 12	6 2			
M10	15 22	4 39	4 42	16 8	1 46	1 35	0 40	15 59	1 12	0 18	1 28	20 15	0 9	1 50	0 47	11 34	0 33	5 10	17 11	20 59	21 12	21 23	10 10	6 2			
T 11	15 5	0n27	5 8	15 29	1 45	1 4	0 36	16 11	1 13	0 19	1 29	20 14	0 9	1 51	0 47	11 33	0 33	5 10	17 11	21 0	21 12	21 23	10 8	6 2			
W12	14 47	5 21	5 15	14 48	1 44	0 34	0 33	16 22	1 14	0 21	1 29	20 12	0 9	1 51	0 47	11 33	0 33	5 11	17 11	21 0	21 13	21 23	10 6	6 2			
T 13	14 28	9 51	5 6	14 6	1 43	0 3	0 30	16 33	1 14	0 23	1 29	20 11	0 9	1 52	0 48	11 32	0 33	5 11	17 12	21 1	21 13	21 23	10 4	6 2			
F 14	14 10	13 48	4 42	13 24	1 40	0s28	0 26	16 45	1 15	0 25	1 29	20 9	0 9	1 53	0 48	11 31	0 33	5 12	17 12	21 1	21 14	21 22	10 1	6 2			
S 15	13 51	17 2	4 5	12 41	1 38	0 59	0 23	16 56	1 16	0 27	1 30	20 8	0 9	1 54	0 48	11 30	0 33	5 12	17 12	21 1	21 14	21 22	9 59	6 2			
S 16	13 32	19 28	3 18	11 57	1 34	1 29	0 19	17 7	1 16	0 29	1 30	20 6	0 9	1 54	0 48	11 30	0 33	5 13	17 12	21 1	21 15	21 22	9 57	6 2			
M17	13 13	21 2	2 23	11 13	1 31	2 0	0 15	17 19	1 17	0 31	1 30	20 5	0 9	1 55	0 48	11 29	0 33	5 13	17 13	21 0	21 16	21 22	9 55	6 2			
T 18	12 54	21 38	1 23	10 28	1 26	2 31	0 11	17 30	1 17	0 33	1 30	20 3	0 9	1 56	0 48	11 28	0 33	5 13	17 13	21 0	21 16	21 22	9 52	6 2			
W19	12 34	21 17	0 19	9 43	1 22	3 2	0 8	17 41	1 18	0 35	1 31	20 2	0 9	1 57	0 48	11 27	0 33	5 14	17 13	21 0	21 17	21 21	9 50	6 2			
T 20	12 14	19 59	0n45	8 58	1 17	3 32	0 4	17 52	1 19	0 38	1 31	20 0	0 10	1 58	0 48	11 26	0 33	5 14	17 14	21 0	21 17	21 21	9 48	6 2			
F 21	11 54	17 48	1 48	8 12	1 11	4 3	0s 0	18 3	1 19	0 40	1 31	19 59	0 10	1 58	0 48	11 26	0 33	5 15	17 14	21 0	21 18	21 21	9 46	6 2			
S 22	11 34	14 49	2 47	7 27	1 6	4 33	0 4	18 14	1 20	0 42	1 31	19 57	0 10	1 59	0 48	11 25	0 33	5 15	17 14	21 1	21 18	21 21	9 43	6 2			
S 23	11 14	11 10	3 39	6 41	1 0	5 4	0 8	18 25	1 20	0 45	1 31	19 56	0 10	2 0	0 48	11 24	0 33	5 16	17 15	21 2	21 19	21 20	9 41	6 2			
M24	10 53	7 0	4 21	5 56	0 53	5 34	0 12	18 35	1 21	0 47	1 32	19 54	0 10	2 1	0 48	11 23	0 33	5 16	17 15	21 3	21 19	21 20	9 39	6 2			
T 25	10 33	2 29	4 51	5 10	0 47	6 4	0 16	18 46	1 21	0 50	1 32	19 53	0 10	2 2	0 48	11 22	0 33	5 17	17 15	21 4	21 20	21 20	9 37	6 2			
W26	10 12	2s13	5 8	4 25	0 40	6 35	0 21	18 57	1 22	0 53	1 32	19 51	0 10	2 3	0 48	11 22	0 33	5 17	17 16	21 5	21 21	21 19	9 34	6 2			
T 27	9 51	6 53	5 9	3 40	0 33	7 5	0 25	19 7	1 22	0 55	1 32	19 50	0 10	2 4	0 48	11 21	0 33	5 18	17 16	21 6	21 21	21 19	9 32	6 2			
F 28	9 30	11 20	4 54	2 55	0 26	7 35	0 29	19 18	1 23	0 58	1 32	19 48	0 10	2 4	0 48	11 20	0 33	5 18	17 16	21 7	21 22	21 19	9 30	6 2			
S 29	9 8	15 19	4 22	2 10	0 11	8 4	0 33	19 28	1 23	1 1	1 33	19 47	0 10	2 5	0 48	11 19	0 33	5 18	17 16	21 7	21 22	21 19	9 27	6 2			
S 30	8 47	18 33	3 35	1 26	0 18	8 34	0 38	19 38	1 24	1 3	1 33	19 45	0 10	2 6	0 48	11 19	0 33	5 19	17 17	21 7	21 23	21 18	9 25	6 2			
M31	8n25	20s46	2n35	0n42	0n 3	9s 3	0s42	19s48	1s24	1s 6	1s33	19n44	0n11	2s 7	0s48	11n18	0n33	5s19	17s17	21n 7	21n23	21n18	9n23	6s 3			

ASTRODIENST EPHEMERIS for the year 2093

geocentric

SEPTEMBER 2093

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 43 44	9♍21'29	9♋32	29♍53	22♎42	23♍24	0°R41	2♎45	26°R28	1♍58	28°R16	25♋3	23♋25	24♋37	19♎6	T 1
W 2	22 47 40	10°19'31	24° 5	1♎23	23°49	24° 2	0°Y34	2°51	26°R26	2° 1	28°Y15	25°R 3	23°22	24°44	19°13	W 2
T 3	22 51 37	11°17'34	8♎48	2°52	24°56	24°40	0°27	2°58	26°24	2° 3	28°14	25° 3	23°19	24°50	19°20	T 3
F 4	22 55 33	12°15'39	23°36	4°19	26° 3	25°19	0°20	3° 5	26°22	2° 5	28°13	25° 0	23°15	24°57	19°28	F 4
S 5	22 59 30	13°13'46	8♋23	5°46	27°10	25°58	0°13	3°11	26°19	2° 7	28°13	24°55	23°12	25° 4	19°35	S 5
S 6	23 3 26	14°11'54	22°59	7°11	28°17	26°36	0° 5	3°18	26°17	2° 9	28°12	24°48	23° 9	25°10	19°42	S 6
M 7	23 7 23	15°10'03	7°Y19	8°34	29°23	27°15	29°R58	3°24	26°15	2°11	28°11	24°40	23° 6	25°17	19°49	M 7
T 8	23 11 19	16° 8'15	21°16	9°56	0♍30	27°54	29°50	3°31	26°12	2°14	28°10	24°32	23° 3	25°24	19°56	T 8
W 9	23 15 16	17° 6'29	4♋48	11°17	1°36	28°33	29°43	3°37	26°10	2°16	28°10	24°25	22°59	25°30	20° 3	W 9
T 10	23 19 12	18° 4'44	17°54	12°36	2°42	29°12	29°35	3°43	26° 8	2°18	28° 9	24°19	22°56	25°37	20°11	T 10
F 11	23 23 9	19° 3'02	0♎35	13°53	3°48	29°52	29°27	3°50	26° 5	2°20	28° 8	24°15	22°53	25°43	20°18	F 11
S 12	23 27 6	20° 1'21	12°56	15° 9	4°54	0♎31	29°20	3°56	26° 3	2°22	28° 7	24°13	22°50	25°50	20°25	S 12
S 13	23 31 2	20°59'43	25° 0	16°24	6° 0	1°11	29°12	4° 2	26° 0	2°24	28° 6	24°D13	22°47	25°57	20°32	S 13
M14	23 34 59	21°58'07	6♋54	17°37	7° 5	1°51	29° 4	4° 8	25°58	2°27	28° 5	24°14	22°44	26° 3	20°39	M14
T 15	23 38 55	22°56'33	18°42	18°47	8°10	2°31	28°56	4°14	25°56	2°29	28° 4	24°R15	22°40	26°10	20°46	T 15
W16	23 42 52	23°55'01	0♎29	19°56	9°15	3°11	28°48	4°20	25°53	2°31	28° 4	24°14	22°37	26°17	20°52	W16
T 17	23 46 48	24°53'32	12°21	21° 3	10°20	3°51	28°40	4°26	25°51	2°33	28° 3	24°13	22°34	26°23	20°59	T 17
F 18	23 50 45	25°52'04	24°21	22° 8	11°25	4°31	28°32	4°32	25°48	2°35	28° 2	24° 9	22°31	26°30	21° 6	F 18
S 19	23 54 41	26°50'38	6♍32	23°11	12°30	5°12	28°24	4°38	25°46	2°37	28° 1	24° 2	22°28	26°37	21°13	S 19
S 20	23 58 38	27°49'14	18°57	24°11	13°34	5°52	28°16	4°43	25°44	2°39	28° 0	23°53	22°24	26°43	21°20	S 20
M21	0 2 35	28°47'52	1♎35	25° 9	14°38	6°33	28° 8	4°49	25°41	2°41	27°59	23°42	22°21	26°50	21°26	M21
T 22	0 6 31	29°46'32	14°28	26° 4	15°42	7°14	28° 0	4°54	25°39	2°43	27°58	23°30	22°18	26°57	21°33	T 22
W23	0 10 28	0♎45'14	27°35	26°56	16°46	7°55	27°52	5° 0	25°36	2°45	27°57	23°19	22°15	27° 3	21°39	W23
T 24	0 14 24	1°43'58	10♍54	27°45	17°49	8°36	27°44	5° 5	25°34	2°47	27°56	23° 9	22°12	27°10	21°46	T 24
F 25	0 18 21	2°42'44	24°23	28°30	18°52	9°17	27°36	5°11	25°32	2°49	27°55	23° 1	22° 9	27°16	21°52	F 25
S 26	0 22 17	3°41'31	8♎3	29°11	19°55	9°58	27°28	5°16	25°29	2°51	27°54	22°56	22° 5	27°23	21°59	S 26
S 27	0 26 14	4°40'20	21°52	29°49	20°58	10°40	27°20	5°21	25°27	2°53	27°53	22°54	22° 2	27°30	22° 5	S 27
M28	0 30 10	5°39'11	5♋50	0♍22	22° 0	11°21	27°12	5°26	25°25	2°55	27°52	22°D53	21°59	27°36	22°12	M28
T 29	0 34 7	6°38'03	19°56	0°50	23° 2	12° 3	27° 5	5°31	25°22	2°57	27°51	22°R54	21°56	27°43	22°18	T 29
W30	0 38 4	7♎36'58	4♎10	1♍13	24♍4	12♎45	26♋57	5♎36	25♋20	2♍59	27°Y50	22♋53	21♋53	27♋50	22♎24	W30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	8n 3	21s42	1n23	0s 2	0s 5	9s33	0s47	19s58	1s24	1s 9	1s33	19n43	0n11	2s 8	0s48	T 1
W 2	7 42	21 12	0 5	0 45	0 13	10 2	0 51	20 8	1 25	1 12	1 33	19 41	0 11	2 9	0 48	W 2
T 3	7 20	19 14	1s14	1 28	0 21	10 31	0 56	20 18	1 25	1 15	1 33	19 40	0 11	2 10	0 48	T 3
F 4	6 57	15 58	2 28	2 10	0 29	10 59	1 0	20 28	1 26	1 18	1 34	19 38	0 11	2 11	0 48	F 4
S 5	6 35	11 42	3 32	2 52	0 37	11 28	1 5	20 38	1 26	1 21	1 34	19 37	0 11	2 12	0 48	S 5
S 6	6 13	6 47	4 21	3 33	0 46	11 56	1 9	20 47	1 26	1 24	1 34	19 35	0 11	2 13	0 48	S 6
M 7	5 50	1 35	4 53	4 14	0 54	12 24	1 14	20 57	1 27	1 27	1 34	19 34	0 11	2 13	0 48	M 7
T 8	5 28	3n33	5 7	4 54	1 3	12 52	1 19	21 6	1 27	1 30	1 34	19 33	0 11	2 14	0 48	T 8
W 9	5 5	8 22	5 2	5 33	1 11	13 20	1 23	21 15	1 27	1 33	1 34	19 31	0 11	2 15	0 48	W 9
T 10	4 43	12 39	4 42	6 12	1 19	13 47	1 28	21 24	1 28	1 37	1 34	19 30	0 12	2 16	0 48	T 10
F 11	4 20	16 13	4 8	6 50	1 28	14 14	1 33	21 33	1 28	1 40	1 35	19 28	0 12	2 17	0 48	F 11
S 12	3 57	18 59	3 23	7 27	1 36	14 41	1 37	21 41	1 28	1 43	1 35	19 27	0 12	2 18	0 48	S 12
S 13	3 34	20 50	2 30	8 3	1 45	15 7	1 42	21 50	1 29	1 46	1 35	19 26	0 12	2 19	0 48	S 13
M14	3 11	21 43	1 32	8 39	1 53	15 33	1 47	21 58	1 29	1 49	1 35	19 24	0 12	2 20	0 48	M14
T 15	2 48	21 38	0 30	9 13	2 1	15 59	1 52	22 7	1 29	1 53	1 35	19 23	0 12	2 21	0 48	T 15
W16	2 25	20 35	0n33	9 47	2 9	16 25	1 56	22 15	1 30	1 56	1 35	19 22	0 12	2 22	0 48	W16
T 17	2 2	18 37	1 35	10 20	2 17	16 50	2 1	22 23	1 30	1 59	1 35	19 21	0 12	2 23	0 48	T 17
F 18	1 39	15 49	2 34	10 51	2 25	17 15	2 6	22 31	1 30	2 2	1 35	19 19	0 12	2 24	0 48	F 18
S 19	1 15	12 18	3 26	11 22	2 33	17 39	2 11	22 38	1 30	2 5	1 35	19 18	0 13	2 25	0 48	S 19
S 20	0 52	8 11	4 9	11 51	2 40	18 3	2 15	22 46	1 31	2 9	1 35	19 17	0 13	2 26	0 48	S 20
M21	0 29	3 40	4 41	12 19	2 47	18 27	2 20	22 53	1 31	2 12	1 35	19 15	0 13	2 27	0 48	M21
T 22	0 5	1s 6	4 59	12 46	2 54	18 50	2 25	23 0	1 31	2 15	1 35	19 14	0 13	2 28	0 48	T 22
W23	0s18	5 54	5 2	13 11	3 1	19 13	2 29	23 7	1 31	2 18	1 35	19 13	0 13	2 29	0 48	W23
T 24	0 41	10 31	4 48	13 34	3 7	19 36	2 34	23 14	1 31	2 21	1 35	19 12	0 13	2 30	0 48	T 24
F 25	1 5	14 40	4 19	13 56	3 13	19 58	2 39	23 20	1 32	2 25	1 35	19 11	0 13	2 31	0 48	F 25
S 26	1 28	18 7	3 34	14 16	3 18	20 20	2 43	23 27	1 32	2 28	1 35	19 9	0 13	2 31	0 48	S 26
S 27	1 51	20 34	2 37	14 34	3 23	20 41	2 48	23 33	1 32	2 31	1 35	19 8	0 13	2 32	0 48	S 27
M28	2 15	21 49	1 29	14 50	3 28	21 2	2 52	23 39	1 32	2 34	1 35	19 7	0 14	2 33	0 48	M28
T 29	2 38	21 41	0 16	15 4	3 32	21 22	2 57	23 45	1 32	2 37	1 35	19 6	0 14	2 34	0 48	T 29
W30	3s 1	20s10	0s59	15s15	3s35	21s42	3s 1	23s50	1s32	2s40	1s35	19n 5	0n14	2s35	0s48	W30

Julian Day Number = 2485756.5, Delta T = 90.33 sec

Ecliptic obliquity = 23°25'34, Nutation = - 0°00'15, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 26°02'56, Lahiri = 25°09'57

ASTRODIENST EPHEMERIS for the year 2093
geocentric

OCTOBER 2093

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	0 42 0	8♌35'53	18♋31	1♊31	25♋6	13♌27	26°R49	5♎41	25°R18	3♏1	27°R49	22°R51	21♑50	27♒56	22♌30	T 1
F 2	0 45 57	9°34'51	2♋54	1°42	26°7	14°9	26♋41	5°46	25♋15	3°3	27°Y48	22♒47	21°46	28°3	22°36	F 2
S 3	0 49 53	10°33'50	17°17	1°R48	27°8	14°51	26°34	5°51	25°13	3°5	27°46	22°39	21°43	28°10	22°42	S 3
S 4	0 53 50	11°32'52	1°Y33	1°46	28°8	15°33	26°26	5°56	25°11	3°6	27°45	22°29	21°40	28°16	22°48	S 4
M 5	0 57 46	12°31'55	15°36	1°37	29°8	16°15	26°19	6°0	25°8	3°8	27°44	22°17	21°37	28°23	22°54	M 5
T 6	1 1 43	13°31'00	29°22	1°20	0♌8	16°57	26°12	6°5	25°6	3°10	27°43	22°5	21°34	28°30	23°0	T 6
W 7	1 5 39	14°30'07	12♌47	0°56	1°8	17°40	26°5	6°9	25°4	3°12	27°42	21°54	21°30	28°36	23°6	W 7
T 8	1 9 36	15°29'17	25°50	0°24	2°7	18°22	25°57	6°13	25°2	3°14	27°41	21°44	21°27	28°43	23°12	T 8
F 9	1 13 33	16°28'29	8♌30	29♌43	3°6	19°5	25°50	6°18	24°59	3°15	27°40	21°37	21°24	28°49	23°18	F 9
S 10	1 17 29	17°27'43	20°51	28°55	4°4	19°48	25°43	6°22	24°57	3°17	27°39	21°32	21°21	28°56	23°23	S 10
S 11	1 21 26	18°26'59	2♒56	28°0	5°2	20°31	25°37	6°26	24°55	3°19	27°38	21°30	21°18	29°3	23°29	S 11
M12	1 25 22	19°26'18	14°50	26°59	5°59	21°13	25°30	6°30	24°53	3°20	27°37	21°29	21°15	29°9	23°34	M12
T 13	1 29 19	20°25'39	26°39	25°52	6°56	21°56	25°23	6°34	24°51	3°22	27°35	21°29	21°11	29°16	23°40	T 13
W14	1 33 15	21°25'02	8♌27	24°41	7°53	22°40	25°17	6°37	24°49	3°24	27°34	21°29	21°8	29°23	23°45	W14
T 15	1 37 12	22°24'28	20°21	23°29	8°49	23°23	25°11	6°41	24°47	3°25	27°33	21°26	21°5	29°29	23°50	T 15
F 16	1 41 8	23°23'56	2♏25	22°16	9°45	24°6	25°5	6°45	24°45	3°27	27°32	21°22	21°2	29°36	23°56	F 16
S 17	1 45 5	24°23'26	14°44	21°6	10°40	24°49	24°58	6°48	24°43	3°28	27°31	21°14	20°59	29°43	24°1	S 17
S 18	1 49 1	25°22'58	27°19	20°0	11°34	25°33	24°53	6°51	24°41	3°30	27°30	21°4	20°55	29°49	24°6	S 18
M19	1 52 58	26°22'32	10♌14	18°59	12°28	26°17	24°47	6°55	24°39	3°31	27°29	20°52	20°52	29°56	24°11	M19
T 20	1 56 55	27°22'08	23°27	18°7	13°22	27°0	24°41	6°58	24°37	3°33	27°27	20°39	20°49	0♌3	24°16	T 20
W21	2 0 51	28°21'47	6♏57	17°24	14°15	27°44	24°36	7°1	24°35	3°34	27°26	20°26	20°46	0°9	24°21	W21
T 22	2 4 48	29°21'27	20°41	16°51	15°7	28°28	24°31	7°4	24°33	3°36	27°25	20°15	20°43	0°16	24°25	T 22
F 23	2 8 44	0♏21'10	4♌35	16°29	15°58	29°12	24°26	7°7	24°31	3°37	27°24	20°6	20°40	0°23	24°30	F 23
S 24	2 12 41	1°20'54	18°36	16°D19	16°49	29°56	24°21	7°10	24°30	3°39	27°23	20°0	20°36	0°29	24°35	S 24
S 25	2 16 37	2°20'40	2♌41	16°20	17°40	0♌40	24°16	7°13	24°28	3°40	27°22	19°57	20°33	0°36	24°39	S 25
M26	2 20 34	3°20'28	16°47	16°31	18°29	1°24	24°11	7°15	24°26	3°41	27°21	19°D56	20°30	0°42	24°44	M26
T 27	2 24 30	4°20'17	0♌53	16°53	19°18	2°8	24°7	7°18	24°24	3°43	27°19	19°R56	20°27	0°49	24°48	T 27
W28	2 28 27	5°20'08	14°59	17°25	20°5	2°53	24°3	7°20	24°23	3°44	27°18	19°56	20°24	0°56	24°52	W28
T 29	2 32 24	6°20'00	29°2	18°6	20°52	3°37	23°59	7°22	24°21	3°45	27°17	19°54	20°21	1°2	24°57	T 29
F 30	2 36 20	7°19'54	13♌3	18°55	21°39	4°21	23°55	7°24	24°20	3°46	27°16	19°50	20°17	1°9	25°1	F 30
S 31	2 40 17	8♏19'50	27♌0	19♌51	22♌24	5♌6	23♌51	7♌27	24♌18	3♏47	27°Y15	19♒43	20♒14	1♌16	25♌5	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
T 1	3s24	17s21	2s11	15s23	3s37	22s 2	3s 6	23s56	1s33	2s43	1s35	19n 4	0n14	2s36	0s48	10n55	0n34	5s34	17s23	21n29	21n40	21n 6	8n10	6s10	
F 2	3 48	13 28	3 15	15 28	3 38	22 21	3 10	24 1	1 33	2 46	1 35	19 3	0 14	2 37	0 48	10 54	0 34	5 35	17 23	21 30	21 40	21 6	8 8	6 10	
S 3	4 11	8 48	4 6	15 30	3 38	22 40	3 14	24 6	1 33	2 49	1 35	19 2	0 14	2 38	0 48	10 54	0 34	5 35	17 23	21 31	21 41	21 5	8 5	6 11	
S 4	4 34	3 41	4 41	15 29	3 38	22 58	3 19	24 11	1 33	2 52	1 35	19 1	0 14	2 39	0 48	10 53	0 34	5 36	17 23	21 33	21 41	21 5	8 3	6 11	
M 5	4 57	1n32	4 59	15 24	3 35	23 15	3 23	24 15	1 33	2 55	1 35	19 0	0 14	2 40	0 48	10 52	0 34	5 36	17 23	21 35	21 42	21 4	8 1	6 12	
T 6	5 20	6 35	4 58	15 15	3 32	23 32	3 27	24 20	1 33	2 58	1 35	18 59	0 14	2 41	0 48	10 52	0 34	5 37	17 24	21 37	21 42	21 4	7 59	6 12	
W 7	5 43	11 12	4 41	15 1	3 27	23 49	3 31	24 24	1 33	3 0	1 35	18 58	0 15	2 41	0 48	10 51	0 34	5 37	17 24	21 39	21 43	21 3	7 56	6 12	
T 8	6 6	15 9	4 10	14 44	3 20	24 5	3 35	24 28	1 33	3 3	1 34	18 57	0 15	2 42	0 48	10 51	0 34	5 38	17 24	21 40	21 43	21 3	7 54	6 13	
F 9	6 28	18 18	3 27	14 21	3 12	24 21	3 39	24 32	1 33	3 6	1 34	18 56	0 15	2 43	0 48	10 50	0 34	5 38	17 24	21 42	21 44	21 2	7 52	6 13	
S 10	6 51	20 32	2 35	13 55	3 1	24 36	3 43	24 35	1 33	3 8	1 34	18 55	0 15	2 44	0 48	10 49	0 34	5 38	17 24	21 42	21 44	21 2	7 50	6 14	
S 11	7 14	21 47	1 37	13 23	2 49	24 50	3 47	24 38	1 33	3 11	1 34	18 54	0 15	2 45	0 48	10 49	0 34	5 38	17 24	21 43	21 44	21 1	7 47	6 14	
M12	7 36	22 1	0 35	12 48	2 35	25 4	3 50	24 41	1 33	3 14	1 34	18 53	0 15	2 46	0 48	10 48	0 34	5 39	17 24	21 43	21 45	21 1	7 45	6 14	
T 13	7 59	21 16	0n27	12 9	2 20	25 18	3 54	24 44	1 33	3 16	1 34	18 52	0 15	2 46	0 48	10 48	0 34	5 40	17 24	21 43	21 45	21 0	7 43	6 15	
W14	8 21	19 34	1 29	11 27	2 2	25 31	3 57	24 47	1 33	3 19	1 34	18 51	0 15	2 47	0 48	10 47	0 34	5 40	17 24	21 43	21 46	21 0	7 41	6 15	
T 15	8 43	17 1	2 27	10 43	1 44	25 43	4 1	24 49	1 33	3 21	1 34	18 51	0 16	2 48	0 48	10 46	0 34	5 41	17 24	21 43	21 46	20 59	7 39	6 16	
F 16	9 5	13 42	3 19	9 58	1 24	25 55	4 4	24 51	1 33	3 23	1 34	18 50	0 16	2 49	0 48	10 46	0 34	5 41	17 24	21 44	21 47	20 59	7 37	6 16	
S 17	9 27	9 44	4 2	9 13	1 4	26 6	4 7	24 53	1 33	3 25	1 33	18 49	0 16	2 50	0 48	10 45	0 34	5 41	17 24	21 45	21 47	20 58	7 35	6 17	
S 18	9 49	5 17	4 35	8 29	0 43	26 17	4 10	24 54	1 33	3 28	1 33	18 48	0 16	2 50	0 47	10 45	0 34	5 42	17 24	21 47	21 48	20 57	7 33	6 17	
M19	10 10	0 29	4 55	7 47	0 22	26 27	4 13	24 56	1 33	3 30	1 33	18 48	0 16	2 51	0 47	10 44	0 34	5 42	17 24	21 48	21 48	20 57	7 31	6 18	
T 20	10 32	4s27	5 0	7 8	0 2	26 37	4 16	24 57	1 33	3 32	1 33	18 47	0 16	2 52	0 47	10 44	0 34	5 43	17 24	21 50	21 49	20 56	7 28	6 18	
W21	10 53	9 17	4 48	6 34	0n17	26 46	4 18	24 57	1 33	3 34	1 33	18 46	0 16	2 53	0 47	10 43	0 34	5 43	17 24	21 52	21 49	20 56	7 26	6 19	
T 22	11 14	13 44	4 20	6 5	0 35	26 55	4 21	24 58	1 33	3 36	1 33	18 46	0 16	2 53	0 47	10 43	0 34	5 43	17 24	21 54	21 50	20 55	7 24	6 19	
F 23	11 35	17 31	3 35	5 41	0 51	27 3	4 23	24 58	1 33	3 38	1 32	18 45	0 16	2 54	0 47	10 42	0 34	5 44	17 24	21 55	21 50	20 55	7 22	6 20	
S 24	11 56	20 19	2 38	5 23	1 7	27 11	4 25	24 58	1 33	3 39	1 32	18 44	0 17	2 55	0 47	10 42	0 34	5 44	17 24	21 56	21 51	20 54	7 20	6 20	
S 25	12 17	21 54	1 30	5 11	1 20	27 18	4 28	24 58	1 33	3 41	1 32	18 44	0 17	2 55	0 47	10 41	0 34	5 44	17 24	21 57	21 51	20 53	7 18	6 21	
M26	12 37	22 6	0 17	5 5	1 32	27 24	4 29	24 58	1 33	3 43	1 32	18 43	0 17	2 56	0 47	10 41	0 34	5 45	17 24	21 57	21 52	20 53	7 17	6 21	
T 27	12 58	20 53	0s58	5 4	1 42	27 30	4 31	24 57	1 32	3 44	1 32	18 43	0 17	2 57	0 47	10 41	0 34	5 45	17 24	21 57	21 52	20 52	7 15	6 22	
W28	13 18	18 23	2 9	5 8	1 50	27 35	4 33	24 56	1 32	3 46	1 31	18 42	0 17	2 57	0 47	10 40	0 34	5 45	17 24	21 57	21 53	20 52	7 13	6 22	
T 29	13 37	14 48	3 12	5 18	1 57	27 40	4 34	24 55	1 32	3 47	1 31	18 42	0 17	2 58	0 47	10 40	0 34	5 46	17 24	21 57	21 53	20 51	7 11	6 23	
F 30	13 57	10 23	4 3	5 31	2 2	27 44	4 35	24 53	1 32	3 48	1 31	18 41	0 17	2 58	0 47	10 39	0 34	5 46	17 24	21 58	21 54	20 50	7 9	6 23	
S 31	14s16	5s28	4s39	5s49	2n 6	27s48	4s36	24s52	1s32	3s50	1s31	18n41	0n18	2s59	0s47	10n39	0n34	5s46	17s24	21n59	21n54	20n50	7n 7	6s24	

ASTRODIENST EPHEMERIS for the year 2093

geocentric

NOVEMBER 2093

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 44 13	9♉19'47	10♊49	20♈54	23♏ 8	5♉50	23°R48	7♉28	24°R17	3♊49	27°R14	19°R33	20♉11	1♉22	25♉ 9	S 1
M 2	2 48 10	10°19'47	24°27	22° 2	23°51	6°35	23°K44	7°30	24°K15	3°50	27°Y13	19°D22	20° 8	1°29	25°12	M 2
T 3	2 52 6	11°19'47	7♉52	23°15	24°34	7°20	23°41	7°32	24°14	3°51	27°12	19°10	20° 5	1°36	25°16	T 3
W 4	2 56 3	12°19'50	21° 1	24°32	25°15	8° 5	23°38	7°34	24°12	3°52	27°11	18°59	20° 1	1°42	25°20	W 4
T 5	2 59 59	13°19'55	3♊52	25°53	25°55	8°50	23°36	7°35	24°11	3°53	27° 9	18°50	19°58	1°49	25°23	T 5
F 6	3 3 56	14°20'02	16°25	27°17	26°34	9°34	23°33	7°37	24°10	3°54	27° 8	18°42	19°55	1°56	25°27	F 6
S 7	3 7 53	15°20'10	28°42	28°43	27°11	10°19	23°31	7°38	24° 8	3°55	27° 7	18°38	19°52	2° 2	25°30	S 7
S 8	3 11 49	16°20'21	10♉45	0♉12	27°48	11° 5	23°29	7°39	24° 7	3°56	27° 6	18°36	19°49	2° 9	25°34	S 8
M 9	3 15 46	17°20'34	22°39	1°42	28°23	11°50	23°27	7°40	24° 6	3°57	27° 5	18°D35	19°46	2°16	25°37	M 9
T 10	3 19 42	18°20'48	4♉27	3°13	28°57	12°35	23°25	7°41	24° 5	3°58	27° 4	18°36	19°42	2°22	25°40	T 10
W11	3 23 39	19°21'05	16°15	4°46	29°29	13°20	23°24	7°42	24° 4	3°59	27° 3	18°R37	19°39	2°29	25°43	W11
T 12	3 27 35	20°21'23	28° 9	6°19	29°59	14° 5	23°23	7°43	24° 3	3°59	27° 2	18°37	19°36	2°35	25°46	T 12
F 13	3 31 32	21°21'44	10♊13	7°53	0♉29	14°51	23°21	7°44	24° 2	4° 0	27° 1	18°34	19°33	2°42	25°49	F 13
S 14	3 35 28	22°22'06	22°34	9°28	0°57	15°36	23°21	7°44	24° 1	4° 1	27° 0	18°30	19°30	2°49	25°51	S 14
S 15	3 39 25	23°22'30	5♉14	11° 3	1°23	16°22	23°20	7°44	24° 0	4° 2	26°59	18°24	19°27	2°55	25°54	S 15
M16	3 43 22	24°22'56	18°16	12°39	1°48	17° 7	23°19	7°45	23°59	4° 2	26°58	18°15	19°23	3° 2	25°56	M16
T 17	3 47 18	25°23'24	1♉42	14°14	2°10	17°53	23°19	7°45	23°58	4° 3	26°57	18° 6	19°20	3° 9	25°59	T 17
W18	3 51 15	26°23'54	15°30	15°50	2°31	18°38	23°D19	7°R45	23°58	4° 4	26°56	17°57	19°17	3°15	26° 1	W18
T 19	3 55 11	27°24'25	29°37	17°26	2°50	19°24	23°19	7°45	23°57	4° 4	26°55	17°49	19°14	3°22	26° 3	T 19
F 20	3 59 8	28°24'58	13♏58	19° 1	3° 7	20°10	23°20	7°45	23°56	4° 5	26°54	17°42	19°11	3°29	26° 5	F 20
S 21	4 3 4	29°25'32	28°26	20°37	3°22	20°56	23°20	7°45	23°56	4° 5	26°53	17°39	19° 7	3°35	26° 7	S 21
S 22	4 7 1	0♏26'08	12♉56	22°13	3°35	21°42	23°21	7°44	23°55	4° 6	26°52	17°D37	19° 4	3°42	26° 9	S 22
M23	4 10 57	1°26'45	27°23	23°48	3°46	22°28	23°22	7°44	23°55	4° 6	26°51	17°37	19° 1	3°49	26°11	M23
T 24	4 14 54	2°27'23	11♏43	25°23	3°54	23°14	23°23	7°43	23°54	4° 7	26°50	17°38	18°58	3°55	26°13	T 24
W25	4 18 51	3°28'02	25°54	26°59	4° 0	24° 0	23°25	7°42	23°54	4° 7	26°49	17°39	18°55	4° 2	26°14	W25
T 26	4 22 47	4°28'42	9♉54	28°34	4° 4	24°46	23°26	7°42	23°54	4° 7	26°49	17°R40	18°52	4° 9	26°16	T 26
F 27	4 26 44	5°29'24	23°43	0♏ 9	4°R 6	25°32	23°28	7°41	23°53	4° 8	26°48	17°38	18°48	4°15	26°17	F 27
S 28	4 30 40	6°30'06	7♊20	1°44	4° 5	26°18	23°30	7°40	23°53	4° 8	26°47	17°34	18°45	4°22	26°18	S 28
S 29	4 34 37	7°30'49	20°45	3°18	4° 1	27° 4	23°32	7°38	23°53	4° 8	26°46	17°29	18°42	4°29	26°19	S 29
M30	4 38 33	8♏31'33	3♉58	4♏53	3♉55	27°D50	23°K35	7♉37	23°K53	4♊ 8	26°Y45	17°D23	18°D39	4♉35	26♉20	M30

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
S 1	14s36	0s18	4s59	6s10	2n 9	27s51	4s37	24s50	1s32	3s51	1s31	18n41	0n18	3s 0	0s47	10n38	0n34	5s47	17s23	22n 0	21n55	20n49	7n 5	6s24
M 2	14 55	4n48	5 1	6 34	2 10	27 54	4 38	24 47	1 32	3 52	1 30	18 40	0 18	3 0	0 47	10 38	0 34	5 47	17 23	22 2	21 55	20 49	7 4	6 25
T 3	15 13	9 36	4 47	7 0	2 11	27 56	4 38	24 45	1 31	3 53	1 30	18 40	0 18	3 1	0 47	10 38	0 35	5 47	17 23	22 3	21 56	20 48	7 2	6 25
W 4	15 32	13 52	4 17	7 29	2 10	27 58	4 38	24 42	1 31	3 54	1 30	18 40	0 18	3 1	0 47	10 37	0 35	5 47	17 23	22 5	21 56	20 47	7 0	6 26
T 5	15 50	17 24	3 35	8 0	2 9	27 59	4 38	24 39	1 31	3 55	1 30	18 39	0 18	3 2	0 47	10 37	0 35	5 48	17 23	22 6	21 56	20 47	6 58	6 27
F 6	16 8	20 2	2 43	8 32	2 6	28 0	4 37	24 35	1 31	3 56	1 29	18 39	0 18	3 2	0 47	10 37	0 35	5 48	17 23	22 7	21 57	20 46	6 57	6 27
S 7	16 26	21 41	1 44	9 5	2 3	28 0	4 37	24 32	1 31	3 56	1 29	18 39	0 18	3 3	0 47	10 36	0 35	5 48	17 23	22 8	21 57	20 45	6 55	6 28
S 8	16 43	22 18	0 42	9 40	2 0	28 0	4 36	24 28	1 30	3 57	1 29	18 39	0 19	3 3	0 47	10 36	0 35	5 48	17 23	22 8	21 58	20 45	6 53	6 28
M 9	17 0	21 53	0n22	10 15	1 56	27 59	4 34	24 24	1 30	3 57	1 29	18 39	0 19	3 3	0 47	10 36	0 35	5 49	17 23	22 8	21 58	20 44	6 52	6 29
T 10	17 17	20 30	1 24	10 50	1 51	27 58	4 33	24 19	1 30	3 58	1 28	18 38	0 19	3 4	0 47	10 35	0 35	5 49	17 22	22 8	21 59	20 43	6 50	6 30
W11	17 33	18 14	2 23	11 26	1 46	27 57	4 31	24 15	1 30	3 58	1 28	18 38	0 19	3 4	0 47	10 35	0 35	5 49	17 22	22 8	21 59	20 43	6 49	6 30
T 12	17 50	15 10	3 16	12 2	1 41	27 54	4 29	24 10	1 29	3 58	1 28	18 38	0 19	3 5	0 47	10 35	0 35	5 49	17 22	22 8	22 0	20 42	6 47	6 31
F 13	18 6	11 27	4 1	12 37	1 36	27 52	4 26	24 5	1 29	3 59	1 28	18 38	0 19	3 5	0 47	10 35	0 35	5 50	17 22	22 8	22 0	20 41	6 46	6 31
S 14	18 21	7 10	4 36	13 13	1 30	27 49	4 24	23 59	1 29	3 59	1 27	18 38	0 19	3 5	0 47	10 34	0 35	5 50	17 22	22 9	22 1	20 41	6 44	6 32
S 15	18 36	2 29	4 58	13 49	1 24	27 45	4 20	23 53	1 29	3 59	1 27	18 38	0 19	3 6	0 47	10 34	0 35	5 50	17 22	22 10	22 1	20 40	6 43	6 32
M16	18 51	2s26	5 6	14 24	1 17	27 42	4 17	23 47	1 28	3 59	1 27	18 38	0 20	3 6	0 47	10 34	0 35	5 50	17 21	22 11	22 2	20 39	6 41	6 33
T 17	19 6	7 24	4 58	14 58	1 11	27 37	4 13	23 41	1 28	3 59	1 27	18 38	0 20	3 6	0 47	10 34	0 35	5 50	17 21	22 12	22 2	20 38	6 40	6 34
W18	19 20	12 8	4 32	15 33	1 4	27 32	4 8	23 35	1 28	3 58	1 26	18 39	0 20	3 7	0 47	10 33	0 35	5 50	17 21	22 13	22 2	20 38	6 39	6 34
T 19	19 34	16 19	3 49	16 6	0 58	27 27	4 4	23 28	1 27	3 58	1 26	18 39	0 20	3 7	0 46	10 33	0 35	5 51	17 21	22 14	22 3	20 37	6 37	6 35
F 20	19 48	19 38	2 51	16 39	0 51	27 22	3 58	23 21	1 27	3 58	1 26	18 39	0 20	3 7	0 46	10 33	0 35	5 51	17 21	22 15	22 3	20 36	6 36	6 36
S 21	20 1	21 43	1 42	17 11	0 44	27 16	3 53	23 14	1 27	3 57	1 26	18 39	0 20	3 7	0 46	10 33	0 35	5 51	17 20	22 16	22 4	20 36	6 35	6 36
S 22	20 14	22 23	0 25	17 43	0 37	27 9	3 47	23 6	1 27	3 57	1 25	18 39	0 20	3 7	0 46	10 33	0 35	5 51	17 20	22 16	22 4	20 35	6 34	6 37
M23	20 26	21 32	0s53	18 14	0 30	27 2	3 40	22 58	1 26	3 56	1 25	18 40	0 21	3 8	0 46	10 33	0 35	5 51	17 20	22 16	22 5	20 34	6 33	6 37
T 24	20 38	19 17	2 7	18 43	0 23	26 55	3 33	22 50	1 26	3 55	1 25	18 40	0 21	3 8	0 46	10 33	0 35	5 51	17 20	22 16	22 5	20 33	6 31	6 38
W25	20 50	15 54	3 12	19 13	0 16	26 47	3 26	22 42	1 25	3 55	1 25	18 40	0 21	3 8	0 46	10 32	0 35	5 51	17 20	22 16	22 6	20 33	6 30	6 39
T 26	21 2	11 38	4 6	19 41	0 9	26 39	3 18	22 33	1 25	3 54	1 24	18 40	0 21	3 8	0 46	10 32	0 35	5 51	17 19	22 16	22 6	20 32	6 29	6 39
F 27	21 12	6 50	4 44	20 8	0 2	26 31	3 9	22 25	1 25	3 53	1 24	18 41	0 21	3 8	0 46	10 32	0 35	5 51	17 19	22 16	22 6	20 31	6 28	6 40
S 28	21 23	1 46	5 5	20 34	0s 4	26 22	3 0	22 16	1 24	3 52	1 24	18 41	0 21	3 8	0 46	10 32	0 35	5 52	17 19	22 16	22 7	20 30	6 27	6 41
S 29	21 33	3n19	5 10	20 59	0 11	26 12	2 50	22 6	1 24	3 51	1 24	18 42	0 21	3 8	0 46	10 32	0 35	5 52	17 19	22 17	22 7	20 30	6 26	6 41
M30	21s43	8n10	4s57	21s23	0s18	26s 2	2s40	21s57	1s24	3s49	1s23	18n42	0n22	3s 8	0s46	10n32	0n35	5s52	17s18	22n18	22n 8	20n29	6m25	6s42

ASTRODIENST EPHEMERIS for the year 2093
geocentric

DECEMBER 2093

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 42 30	9♂32'19	16♂59	6♂28	3°R47	28♂36	23♂37	7°R36	23°R53	4♂9	26°R44	17°R16	18♂36	4♂42	26♂21	T 1
W 2	4 46 26	10°33'05	29°45	8° 2	3♂36	29°23	23°40	7♂34	23°D52	4° 9	26°Y44	17♂9	18°33	4°48	26°22	W 2
T 3	4 50 23	11°33'53	12♂19	9°36	3°23	0♂9	23°43	7°33	23♂52	4° 9	26°43	17° 4	18°29	4°55	26°23	T 3
F 4	4 54 20	12°34'42	24°40	11°11	3° 7	0°55	23°46	7°31	23°53	4° 9	26°42	17° 0	18°26	5° 2	26°23	F 4
S 5	4 58 16	13°35'32	6♂48	12°45	2°49	1°42	23°50	7°29	23°53	4° 9	26°41	16°57	18°23	5° 8	26°24	S 5
S 6	5 2 13	14°36'23	18°47	14°19	2°28	2°28	23°53	7°27	23°53	4°R 9	26°41	16°D57	18°20	5°15	26°24	S 6
M 7	5 6 9	15°37'16	0♂38	15°53	2° 5	3°15	23°57	7°25	23°53	4° 9	26°40	16°58	18°17	5°22	26°24	M 7
T 8	5 10 6	16°38'09	12°26	17°28	1°41	4° 1	24° 1	7°23	23°53	4° 9	26°39	16°59	18°13	5°28	26°25	T 8
W 9	5 14 2	17°39'04	24°14	19° 2	1°14	4°48	24° 5	7°21	23°54	4° 9	26°39	17° 1	18°10	5°35	26°R25	W 9
T 10	5 17 59	18°40'00	6♂7	20°36	0°45	5°34	24°10	7°19	23°54	4° 9	26°38	17° 3	18° 7	5°42	26°25	T 10
F 11	5 21 56	19°40'57	18° 9	22°10	0°14	6°21	24°14	7°16	23°54	4° 8	26°37	17°R 4	18° 4	5°48	26°24	F 11
S 12	5 25 52	20°41'56	0♂27	23°45	29♂42	7° 7	24°19	7°14	23°55	4° 8	26°37	17° 3	18° 1	5°55	26°24	S 12
S 13	5 29 49	21°42'55	13° 4	25°19	29° 9	7°54	24°24	7°11	23°55	4° 8	26°36	17° 1	17°58	6° 2	26°24	S 13
M14	5 33 45	22°43'56	26° 5	26°54	28°35	8°41	24°29	7° 8	23°56	4° 8	26°36	16°59	17°54	6° 8	26°23	M14
T 15	5 37 42	23°44'57	9♂31	28°28	28° 0	9°27	24°34	7° 5	23°57	4° 7	26°35	16°55	17°51	6°15	26°23	T 15
W16	5 41 38	24°46'00	23°24	0♂3	27°24	10°14	24°40	7° 3	23°57	4° 7	26°34	16°52	17°48	6°22	26°22	W16
T 17	5 45 35	25°47'04	7♂42	1°38	26°47	11° 1	24°46	7° 0	23°58	4° 7	26°34	16°49	17°45	6°28	26°21	T 17
F 18	5 49 31	26°48'08	22°19	3°13	26°11	11°48	24°51	6°56	23°59	4° 6	26°33	16°47	17°42	6°35	26°20	F 18
S 19	5 53 28	27°49'13	7♂10	4°48	25°35	12°34	24°57	6°53	24° 0	4° 6	26°33	16°45	17°39	6°42	26°19	S 19
S 20	5 57 25	28°50'19	22° 6	6°23	24°59	13°21	25° 4	6°50	24° 0	4° 5	26°33	16°D45	17°35	6°48	26°18	S 20
M21	6 1 21	29°51'25	7♂0	7°58	24°23	14° 8	25°10	6°47	24° 1	4° 5	26°32	16°46	17°32	6°55	26°17	M21
T 22	6 5 18	0♂52'32	21°44	9°34	23°49	14°55	25°17	6°43	24° 2	4° 4	26°32	16°47	17°29	7° 2	26°15	T 22
W23	6 9 14	1°53'38	6♂13	11° 9	23°15	15°42	25°23	6°40	24° 3	4° 4	26°31	16°48	17°26	7° 8	26°14	W23
T 24	6 13 11	2°54'45	20°23	12°45	22°43	16°29	25°30	6°36	24° 4	4° 3	26°31	16°49	17°23	7°15	26°12	T 24
F 25	6 17 7	3°55'52	4♂14	14°20	22°12	17°15	25°37	6°32	24° 6	4° 3	26°31	16°R50	17°19	7°21	26°10	F 25
S 26	6 21 4	4°56'59	17°44	15°56	21°43	18° 2	25°44	6°29	24° 7	4° 2	26°30	16°49	17°16	7°28	26° 9	S 26
S 27	6 25 0	5°58'06	0♂56	17°31	21°16	18°49	25°52	6°25	24° 8	4° 1	26°30	16°48	17°13	7°35	26° 7	S 27
M28	6 28 57	6°59'13	13°51	19° 7	20°51	19°36	25°59	6°21	24° 9	4° 0	26°30	16°47	17°10	7°41	26° 5	M28
T 29	6 32 54	8° 0'20	26°31	20°42	20°28	20°23	26° 7	6°17	24°11	4° 0	26°29	16°46	17° 7	7°48	26° 3	T 29
W30	6 36 50	9° 1'27	8♂58	22°17	20° 7	21°10	26°15	6°13	24°12	3°59	26°29	16°45	17° 4	7°55	26° 1	W30
T 31	6 40 47	10♂2'35	21♂14	23♂52	19♂48	21♂57	26♂23	6♂9	24♂13	3♂58	26°Y29	16♂44	17♂0	8♂1	25♂58	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	21s52	12n35	4s30	21s47	0s24	25s52	2s30	21s47	1s23	3s48	1s23	18n43	0n22	3s 8	0s46	10n32	0n35	5s52	17s18	22n19	22n 8	20n28	6n24	6s42					
W 2	22 1	16 21	3 49	22 9	0 31	25 41	2 18	21 37	1 23	3 47	1 23	18 43	0 22	3 8	0 46	10 32	0 35	5 52	17 18	22 20	22 9	20 27	6 24	6 43					
T 3	22 9	19 19	2 58	22 30	0 37	25 30	2 7	21 27	1 22	3 45	1 22	18 44	0 22	3 8	0 46	10 32	0 35	5 52	17 18	22 20	22 9	20 26	6 23	6 44					
F 4	22 18	21 20	1 59	22 49	0 44	25 18	1 55	21 16	1 22	3 44	1 22	18 44	0 22	3 8	0 46	10 32	0 35	5 52	17 17	22 21	22 9	20 26	6 22	6 44					
S 5	22 25	22 20	0 55	23 8	0 50	25 6	1 42	21 6	1 22	3 42	1 22	18 45	0 22	3 8	0 46	10 32	0 35	5 52	17 17	22 21	22 10	20 25	6 21	6 45					
S 6	22 32	22 17	0n10	23 26	0 56	24 53	1 29	20 55	1 21	3 40	1 22	18 45	0 22	3 8	0 46	10 32	0 35	5 52	17 17	22 21	22 10	20 24	6 21	6 45					
M 7	22 39	21 13	1 14	23 42	1 2	24 40	1 15	20 44	1 21	3 39	1 21	18 46	0 22	3 8	0 46	10 32	0 36	5 52	17 17	22 21	22 11	20 23	6 20	6 46					
T 8	22 45	19 14	2 15	23 57	1 7	24 26	1 1	20 32	1 20	3 37	1 21	18 47	0 23	3 8	0 46	10 32	0 36	5 52	17 16	22 21	22 11	20 22	6 19	6 47					
W 9	22 51	16 26	3 11	24 11	1 13	24 12	0 47	20 21	1 20	3 35	1 21	18 47	0 23	3 7	0 46	10 32	0 36	5 52	17 16	22 21	22 12	20 22	6 19	6 47					
T 10	22 57	12 57	3 58	24 24	1 18	23 57	0 32	20 9	1 19	3 33	1 21	18 48	0 23	3 7	0 46	10 32	0 36	5 52	17 16	22 20	22 12	20 21	6 18	6 48					
F 11	23 2	8 55	4 36	24 35	1 24	23 42	0 17	19 57	1 19	3 31	1 20	18 49	0 23	3 7	0 46	10 32	0 36	5 51	17 15	22 20	22 12	20 20	6 18	6 49					
S 12	23 6	4 26	5 2	24 45	1 29	23 27	0 2	19 45	1 18	3 29	1 20	18 50	0 23	3 7	0 46	10 32	0 36	5 51	17 15	22 20	22 13	20 19	6 17	6 49					
S 13	23 10	0s20	5 14	24 54	1 33	23 11	0n14	19 32	1 18	3 27	1 20	18 51	0 23	3 7	0 45	10 33	0 36	5 51	17 15	22 21	22 13	20 18	6 17	6 50					
M14	23 14	5 14	5 11	25 1	1 38	22 56	0 30	19 20	1 17	3 24	1 20	18 51	0 23	3 6	0 45	10 33	0 36	5 51	17 14	22 21	22 14	20 17	6 16	6 50					
T 15	23 17	10 3	4 51	25 7	1 42	22 40	0 45	19 7	1 17	3 22	1 19	18 52	0 24	3 6	0 45	10 33	0 36	5 51	17 14	22 21	22 14	20 17	6 16	6 51					
W16	23 19	14 31	4 13	25 12	1 46	22 23	1 1	18 54	1 16	3 20	1 19	18 53	0 24	3 6	0 45	10 33	0 36	5 51	17 14	22 22	22 15	20 16	6 16	6 52					
T 17	23 22	18 18	3 19	25 15	1 50	22 7	1 16	18 40	1 16	3 17	1 19	18 54	0 24	3 5	0 45	10 33	0 36	5 51	17 13	22 22	22 15	20 15	6 15	6 52					
F 18	23 23	21 1	2 11	25 17	1 54	21 50	1 32	18 27	1 15	3 15	1 19	18 55	0 24	3 5	0 45	10 33	0 36	5 51	17 13	22 22	22 15	20 14	6 15	6 53					
S 19	23 24	22 21	0 53	25 17	1 57	21 34	1 47	18 13	1 15	3 12	1 18	18 56	0 24	3 5	0 45	10 34	0 36	5 51	17 13	22 23	22 16	20 13	6 15	6 53					
S 20	23 25	22 6	0s30	25 16	2 0	21 18	2 2	17 59	1 14	3 9	1 18	18 57	0 24	3 4	0 45	10 34	0 36	5 50	17 12	22 23	22 16	20 12	6 15	6 54					
M21	23 26	20 17	1 50	25 14	2 3	21 2	2 17	17 45	1 14	3 7	1 18	18 58	0 24	3 4	0 45	10 34	0 36	5 50	17 12	22 22	22 17	20 11	6 15	6 54					
T 22	23 25	17 7	3 2	25 10	2 5	20 46	2 31	17 31	1 13	3 4	1 18	18 59	0 25	3 3	0 45	10 34	0 36	5 50	17 12	22 22	22 17	20 10	6 15	6 55					
W23	23 25	12 57	4 1	25 4	2 7	20 30	2 45	17 17	1 13	3 1	1 17	19 0	0 25	3 3	0 45	10 34	0 36	5 50	17 11	22 22	22 17	20 10	6 15	6 55					
T 24	23 24	8 10	4 44	24 57	2 9	20 15	2 58	17 2	1 12	2 58	1 17	19 1	0 25	3 3	0 45	10 35	0 36	5 50	17 11	22 22	22 18	20 9	6 15	6 56					
F 25	23 22	3 3	5 10	24 49	2 10	20 1	3 11	16 47	1 12	2 55	1 17	19 2	0 25	3 2	0 45	10 35	0 36	5 50	17 11	22 22	22 18	20 8	6 15	6 57					
S 26	23 20	2n 4	5 17	24 39	2 11	19 47	3 24	16 33	1 11	2 52	1 17	19 3	0 25	3 2	0 45	10 35	0 36	5 49	17 10	22 22	22 19	20 7	6 15	6 57					
S 27	23 18	6 59	5 8	24 27	2 12	19 33	3 35	16 18	1 10	2 49	1 17	19 4	0 25	3 1	0 45	10 35	0 36	5 49	17 10	22 22	22 19	20 6	6 15	6 58					
M28	23 15	11 29	4 43	24 14	2 11	19 20	3 47	16 2	1 10	2 46	1 16	19 5	0 25	3 0	0 45	10 36	0 36	5 49	17 10	22 22	22 19	20 5	6 15	6 58					
T 29	23 11	15 24	4 4	23 59	2 11	19 8	3 57	15 47	1 9	2 42	1 16	19 6	0 25	3 0	0 45	10 36	0 36	5 49	17 9	22 23	22 20	20 4	6 15	6 59					
W30	23 7	18 34	3 15	23 43	2 10	18 57	4 7	15 31	1 9	2 39	1 16	19 7	0 26	2 59	0 45	10 36	0 36	5 48	17 9	22 23	22 20	20 3	6 16	6 59					
T 31	23s 3	20n51	2s17	23s26	2s 8	18s46	4n17	15s16	1s 8	2s36	1s16	19n 8	0n26	2s59	0s45	10n37	0n36	5s48	17s 9	22n23	22n21	20n 2	6n16	7s 0					

Julian Day Number = 2485847.5, Delta T = 90.44 sec
Ecliptic obliquity = 23°25'34", Nutation = - 0°00'18", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°03'09, Lahiri = 25°10'09