



Astrodienst Ephemeris Tables for the year 2061

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 2061
geocentric

JANUARY 2061

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	6 44 42	11♈ 4°51	2♋ 1	24♈21	23♈44	9♎ 3	29°R31	11°R54	11♎59	18°R51	21♈ 4	26°R 3	25♈12	15♎24	26♈15	S 1
S 2	6 48 38	12° 5'59	16°23	25°56	24°59	9°28	29♈24	11♈50	12° 1	18♈49	21° 5	26♈ 1	25° 9	15°31	26°18	S 2
M 3	6 52 35	13° 7'07	0♈56	27°31	26°14	9°53	29°16	11°46	12° 4	18°48	21° 6	25°58	25° 6	15°37	26°22	M 3
T 4	6 56 32	14° 8'16	15°36	29° 5	27°29	10°17	29° 8	11°43	12° 6	18°46	21° 7	25°51	25° 3	15°44	26°25	T 4
W 5	7 0 28	15° 9'24	0♈16	0♈38	28°45	10°41	29° 1	11°39	12° 8	18°45	21° 7	25°41	25° 0	15°51	26°28	W 5
T 6	7 4 25	16°10'31	14°49	2°11	29°59	11° 5	28°53	11°35	12°10	18°43	21° 8	25°30	24°57	15°57	26°32	T 6
F 7	7 8 21	17°11'39	29° 8	3°41	1♈15	11°29	28°46	11°32	12°12	18°42	21° 9	25°17	24°53	16° 4	26°35	F 7
S 8	7 12 18	18°12'47	13♎ 6	5°11	2°31	11°52	28°38	11°28	12°14	18°40	21°10	25° 5	24°50	16°11	26°39	S 8
S 9	7 16 14	19°13'54	26°40	6°38	3°46	12°15	28°31	11°25	12°16	18°39	21°10	24°55	24°47	16°17	26°42	S 9
M10	7 20 11	20°15'02	9♎48	8° 3	5° 1	12°38	28°24	11°22	12°18	18°38	21°11	24°47	24°44	16°24	26°46	M10
T 11	7 24 8	21°16'09	22°31	9°25	6°16	13° 0	28°17	11°19	12°20	18°36	21°12	24°42	24°41	16°30	26°49	T 11
W12	7 28 4	22°17'16	4♎53	10°44	7°32	13°22	28°10	11°15	12°22	18°35	21°13	24°39	24°37	16°37	26°53	W12
T 13	7 32 1	23°18'24	16°58	11°59	8°47	13°44	28° 4	11°12	12°24	18°33	21°14	24°39	24°34	16°44	26°57	T 13
F 14	7 35 57	24°19'31	28°51	13° 9	10° 2	14° 5	27°57	11°10	12°26	18°32	21°15	24°39	24°31	16°50	27° 0	F 14
S 15	7 39 54	25°20'38	10♎39	14°14	11°18	14°27	27°51	11° 7	12°27	18°31	21°16	24°38	24°28	16°57	27° 4	S 15
S 16	7 43 50	26°21'45	22°27	15°12	12°33	14°47	27°44	11° 4	12°29	18°30	21°17	24°36	24°25	17° 4	27° 8	S 16
M17	7 47 47	27°22'52	4♎20	16° 4	13°48	15° 8	27°38	11° 1	12°31	18°28	21°18	24°31	24°22	17°10	27°11	M17
T 18	7 51 43	28°23'59	16°21	16°48	15° 4	15°28	27°32	10°59	12°32	18°27	21°19	24°24	24°18	17°17	27°15	T 18
W19	7 55 40	29°25'05	28°36	17°23	16°19	15°47	27°26	10°56	12°34	18°26	21°20	24°14	24°15	17°24	27°19	W19
T 20	7 59 37	0♈26'11	11♈ 6	17°49	17°34	16° 6	27°20	10°54	12°35	18°25	21°21	24° 1	24°12	17°30	27°23	T 20
F 21	8 3 33	1°27'16	23°51	18° 4	18°50	16°25	27°15	10°52	12°37	18°24	21°22	23°48	24° 9	17°37	27°27	F 21
S 22	8 7 30	2°28'21	6♈52	18°R 8	20° 5	16°44	27° 9	10°50	12°38	18°22	21°23	23°34	24° 6	17°44	27°31	S 22
S 23	8 11 26	3°29'25	20° 6	18° 1	21°20	17° 2	27° 4	10°48	12°39	18°21	21°24	23°21	24° 3	17°50	27°34	S 23
M24	8 15 23	4°30'28	3♈33	17°42	22°35	17°19	26°59	10°46	12°41	18°20	21°25	23°11	23°59	17°57	27°38	M24
T 25	8 19 19	5°31'30	17°10	17°12	23°51	17°36	26°54	10°44	12°42	18°19	21°27	23° 3	23°56	18° 4	27°42	T 25
W26	8 23 16	6°32'31	0♈54	16°31	25° 6	17°53	26°49	10°42	12°43	18°18	21°28	22°59	23°53	18°10	27°46	W26
T 27	8 27 12	7°33'31	14°46	15°39	26°21	18°10	26°45	10°41	12°44	18°17	21°29	22°57	23°50	18°17	27°50	T 27
F 28	8 31 9	8°34'30	28°43	14°40	27°37	18°25	26°40	10°39	12°45	18°16	21°30	22°D57	23°47	18°24	27°54	F 28
S 29	8 35 6	9°35'28	12♈46	13°33	28°52	18°41	26°36	10°38	12°46	18°15	21°31	22°R57	23°43	18°30	27°58	S 29
S 30	8 39 2	10°36'24	26°54	12°22	0♈ 7	18°56	26°32	10°36	12°47	18°14	21°33	22°56	23°40	18°37	28° 2	S 30
M31	8 42 59	11°37'20	11♈ 6	11° 8	1♈22	19°10	26♈28	10♈35	12♈48	18♈14	21♈34	22♈53	23♈37	18♈44	28° 6	M31

Day	☉	☽		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	decl	decl	decl	lat	decl	decl	decl	decl	lat
S 1	22s58	12n40	0n32	23s21	2s 8	22s50	0n28	1s29	2n18	23n10	0s16	20n29	1s44	1s 1	0n26	21n31	1s27	17s17	15s 1	10n 3	9n45	18s 9	7s15	5n51									
S 2	22 53	18 25	1 46	23 1	2 6	22 55	0 25	1 38	2 18	23 10	0 16	20 29	1 44	15 2	0 26	21 31	1 27	17 17	15 0	10 3	9 44	18 12	7 14	5 51									
M 3	22 47	23 10	2 53	22 40	2 3	23 0	0 23	1 47	2 19	23 10	0 15	20 29	1 44	15 2	0 26	21 31	1 27	17 16	15 0	10 2	9 43	18 15	7 14	5 50									
T 4	22 41	26 28	3 50	22 18	2 0	23 5	0 20	1 56	2 20	23 11	0 15	20 28	1 44	15 3	0 26	21 31	1 27	17 16	15 0	9 59	9 42	18 17	7 13	5 50									
W 5	22 34	27 58	4 32	21 54	1 56	23 8	0 18	2 4	2 21	23 11	0 15	20 28	1 44	15 4	0 26	21 31	1 27	17 15	14 59	9 56	9 40	18 20	7 12	5 50									
T 6	22 27	27 30	4 55	21 29	1 52	23 11	0 15	2 13	2 22	23 11	0 15	20 28	1 43	15 4	0 26	21 31	1 27	17 15	14 59	9 51	9 39	18 23	7 11	5 50									
F 7	22 20	25 13	5 0	21 3	1 46	23 13	0 12	2 21	2 22	23 11	0 15	20 27	1 43	15 5	0 26	21 31	1 27	17 14	14 59	9 47	9 38	18 25	7 10	5 49									
S 8	22 12	21 27	4 46	20 35	1 40	23 15	0 10	2 30	2 23	23 11	0 15	20 27	1 43	15 6	0 26	21 30	1 27	17 14	14 59	9 42	9 37	18 28	7 9	5 49									
S 9	22 3 16	38 4	4 16	20 7	1 33	23 15	0 7	2 38	2 24	23 11	0 14	20 27	1 43	15 6	0 26	21 30	1 27	17 13	14 58	9 39	9 36	18 31	7 8	5 49									
M10	21 54	11 11	3 34	19 38	1 26	23 15	0 5	2 46	2 25	23 11	0 14	20 27	1 42	15 7	0 26	21 30	1 27	17 12	14 58	9 36	9 35	18 34	7 7	5 49									
T 11	21 45	5 26	2 41	19 8	1 17	23 15	0 2	2 54	2 26	23 11	0 14	20 27	1 42	15 7	0 26	21 30	1 27	17 12	14 58	9 34	9 33	18 36	7 6	5 48									
W12	21 35	0s22	1 43	18 37	1 7	23 13	0s 0	3 1	2 27	23 11	0 14	20 26	1 42	15 8	0 26	21 30	1 27	17 11	14 57	9 33	9 32	18 39	7 5	5 48									
T 13	21 25	6 2	0 41	18 6	0 57	23 11	0 3	3 9	2 28	23 11	0 14	20 26	1 42	15 9	0 26	21 30	1 27	17 11	14 57	9 33	9 31	18 42	7 4	5 48									
F 14	21 15	11 25	0s22	17 35	0 45	23 8	0 5	3 17	2 28	23 11	0 14	20 26	1 42	15 9	0 26	21 30	1 27	17 10	14 57	9 33	9 30	18 44	7 3	5 48									
S 15	21 4	16 20	1 24	17 5	0 33	23 5	0 8	3 24	2 29	23 11	0 14	20 26	1 41	15 10	0 26	21 30	1 27	17 9	14 57	9 32	9 29	18 47	7 2	5 47									
S 16	20 52	20 39	2 21	16 35	0 19	23 1	0 10	3 31	2 30	23 11	0 13	20 26	1 41	15 10	0 26	21 30	1 27	17 9	14 56	9 32	9 28	18 50	7 1	5 47									
M17	20 41	24 10	3 13	16 5	0 5	22 56	0 13	3 38	2 31	23 12	0 13	20 25	1 41	15 11	0 26	21 30	1 27	17 8	14 56	9 30	9 26	18 53	7 0	5 47									
T 18	20 29	26 40	3 57	15 38	0n11	22 50	0 15	3 45	2 32	23 12	0 13	20 25	1 41	15 11	0 26	21 30	1 27	17 7	14 56	9 27	9 25	18 55	6 59	5 47									
W19	20 16	27 57	4 31	15 12	0 27	22 44	0 17	3 52	2 33	23 12	0 13	20 25	1 40	15 11	0 26	21 30	1 26	17 7	14 56	9 24	9 24	18 58	6 58	5 46									
T 20	20 3	27 50	4 53	14 48	0 44	22 37	0 20	3 58	2 34	23 12	0 13	20 25	1 40	15 12	0 26	21 30	1 26	17 6	14 55	9 19	9 23	19 1	6 57	5 46									
F 21	19 50	26 15	5 0	14 26	1 2	22 29	0 22	4 5	2 34	23 12	0 13	20 25	1 40	15 12	0 26	21 30	1 26	17 5	14 55	9 14	9 22	19 3	6 56	5 46									
S 22	19 36	23 16	4 52	14 8	1 19	22 20	0 25	4 11	2 35	23 12	0 12	20 25	1 40	15 13	0 26	21 29	1 26	17 5	14 55	9 9	9 21	19 6	6 55	5 46									
S 23	19 22	19 1	4 28	13 53	1 38	22 11	0 27	4 17	2 36	23 12	0 12	20 25	1 40	15 13	0 26	21 29	1 26	17 4	14 55	9 4	9 19	19 9	6 54	5 46									
M24	19 8	13 46	3 50	13 41	1 56	22 1	0 29	4 23	2 37	23 12	0 12	20 25	1 39	15 13	0 26	21 29	1 26	17 3	14 54	9 0	9 18	19 11	6 53	5 46									
T 25	18 53	7 47	2 57	13 34	2 13	21 51	0 32	4 28	2 38	23 12	0 12	20 25	1 39	15 14	0 26	21 29	1 26	17 3	14 54	8 58	9 17	19 14	6 51	5 45									
W26	18 38	1 23	1 54	13 30	2 30	21 40	0 34	4 34	2 39	23 12	0 12	20 25	1 39	15 14	0 26	21 29	1 26	17 2	14 54	8 56	9 16	19 16	6 50	5 45									
T 27	18 23	5n 9	0 43	13 30	2 46	21 28	0 36	4 39	2 40	23 12	0 12	20 25	1 39	15 14	0 26	21 29	1 26	17 1	14 54	8 55	9 15	19 19	6 49	5 45									
F 28	18 7	11 29	0n31	13 34	3 0	21 15	0 38	4 45	2 41	23 12	0 11	20 25	1 38	15 15	0 26	21 29	1 26	17 1	14 54	8 55	9 14	19 22	6 48	5 45									
S 29	17 51	17 18	1 43	13 41	3 12	21 2	0 40	4 50	2 42	23 12	0 11	20 25	1 38	15 15	0 26	21 29	1 26	17 0	14 53	8 55	9 12	19 24	6 47	5 45									
S 30	17 34	22 13	2 50	13 51	3 22	20 49	0 42	4 54	2 42	23 12	0 11	20 25	1 38	15 15	0 26	21 29	1 26	16 59	14 53	8 55	9 11	19 27	6 45	5 45									
M31	17s18	25n50	3n46	14s 4	3n30	20s34	0s45	4s59	2n43	23n12	0s11	20n25	1s38	15s16	0n26	21n29	1s26	16s59	14s53	8n54	9n10	19s30	6s44	5n44									

ASTRODIENST EPHEMERIS for the year 2061

geocentric

FEBRUARY 2061

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 46 55	12°38'14	25°11'19	9°R53	2°38	19°24	26°R25	10°R34	12°M49	18°R13	21°K35	22°R47	23°Y34	18°M50	28°10	T 1
W 2	8 50 52	13°39'07	9°31	8°40	3°53	19°37	26°II21	10°II33	12°50	18°II12	21°36	22°Y39	23°31	18°57	28°14	W 2
T 3	8 54 48	14°39'58	23°37	7°30	5° 8	19°50	26°18	10°33	12°50	18°11	21°38	22°28	23°28	19° 4	28°19	T 3
F 4	8 58 45	15°40'48	7°32	6°25	6°23	20° 3	26°15	10°32	12°51	18°10	21°39	22°17	23°24	19°10	28°23	F 4
S 5	9 2 41	16°41'38	21°12	5°27	7°39	20°15	26°12	10°31	12°51	18°10	21°40	22° 6	23°21	19°17	28°27	S 5
S 6	9 6 38	17°42'26	4°33	4°36	8°54	20°26	26° 9	10°31	12°52	18° 9	21°42	21°56	23°18	19°24	28°31	S 6
M 7	9 10 35	18°43'12	17°34	3°53	10° 9	20°37	26° 7	10°30	12°53	18° 8	21°43	21°48	23°15	19°30	28°35	M 7
T 8	9 14 31	19°43'58	0°14	3°19	11°24	20°47	26° 4	10°30	12°53	18° 8	21°44	21°44	23°12	19°37	28°39	T 8
W 9	9 18 28	20°44'43	12°35	2°52	12°40	20°57	26° 2	10°30	12°53	18° 7	21°46	21°41	23° 9	19°44	28°43	W 9
T 10	9 22 24	21°45'26	24°42	2°34	13°55	21° 6	26° 0	10°D30	12°54	18° 6	21°47	21°D41	23° 5	19°50	28°47	T 10
F 11	9 26 21	22°46'09	6°37	2°24	15°10	21°14	25°59	10°30	12°54	18° 6	21°48	21°42	23° 2	19°57	28°51	F 11
S 12	9 30 17	23°46'50	18°26	2°D22	16°25	21°22	25°57	10°30	12°54	18° 5	21°50	21°R42	22°59	20° 4	28°56	S 12
S 13	9 34 14	24°47'31	0°15	2°26	17°40	21°29	25°56	10°30	12°54	18° 5	21°51	21°42	22°56	20°10	29° 0	S 13
M14	9 38 10	25°48'10	12° 9	2°38	18°55	21°36	25°55	10°31	12°54	18° 4	21°53	21°41	22°53	20°17	29° 4	M14
T 15	9 42 7	26°48'49	24°13	2°55	20°11	21°42	25°54	10°31	12°R54	18° 4	21°54	21°37	22°49	20°24	29° 8	T 15
W16	9 46 4	27°49'26	6°32	3°19	21°26	21°47	25°53	10°32	12°54	18° 4	21°55	21°31	22°46	20°30	29°12	W16
T 17	9 50 0	28°50'01	19° 8	3°48	22°41	21°51	25°53	10°33	12°54	18° 3	21°57	21°23	22°43	20°37	29°16	T 17
F 18	9 53 57	29°50'36	2°4	4°21	23°56	21°55	25°52	10°34	12°54	18° 3	21°58	21°14	22°40	20°44	29°21	F 18
S 19	9 57 53	0°51'09	15°20	5° 0	25°11	21°59	25°D52	10°35	12°54	18° 3	22° 0	21° 4	22°37	20°50	29°25	S 19
S 20	10 1 50	1°51'41	28°55	5°42	26°26	22° 1	25°52	10°36	12°54	18° 2	22° 1	20°56	22°34	20°57	29°29	S 20
M21	10 5 46	2°52'11	12°47	6°29	27°41	22° 3	25°53	10°37	12°54	18° 2	22° 3	20°49	22°30	21° 4	29°33	M21
T 22	10 9 43	3°52'39	26°50	7°19	28°57	22° 4	25°53	10°38	12°53	18° 2	22° 4	20°44	22°27	21°10	29°37	T 22
W23	10 13 39	4°53'05	11°Y 1	8°12	0°K12	22°R 4	25°54	10°40	12°53	18° 2	22° 6	20°42	22°24	21°17	29°41	W23
T 24	10 17 36	5°53'30	25°16	9° 9	1°27	22° 4	25°55	10°41	12°52	18° 2	22° 7	20°D41	22°21	21°23	29°46	T 24
F 25	10 21 33	6°53'53	9°32	10° 8	2°42	22° 3	25°56	10°43	12°52	18° 2	22° 9	20°42	22°18	21°30	29°50	F 25
S 26	10 25 29	7°54'14	23°45	11°10	3°57	22° 1	25°57	10°45	12°51	18°D 2	22°10	20°44	22°15	21°37	29°54	S 26
S 27	10 29 26	8°54'33	7°II54	12°14	5°12	21°58	25°59	10°47	12°51	18° 2	22°12	20°R44	22°11	21°43	29°58	S 27
M28	10 33 22	9°54'50	21°II57	13°21	6°K27	21°55	26°II 0	10°II49	12°M50	18°II 2	22°K13	20°Y44	22°Y 8	21°M50	0°K 2	M28

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	17s 1	27n49	4n29	14s19	3n35	20s19	0s47	5s 3	2n44	23n12	0s11	20n25	1s37	15s16	0n26	21n29
W 2	16 43	27 59	4 54	14 35	3 38	20 4	0 49	5 8	2 45	23 12	0 11	20 25	1 37	15 16	0 26	21 29
T 3	16 26	26 20	5 2	14 53	3 38	19 48	0 51	5 12	2 46	23 12	0 10	20 26	1 37	15 16	0 26	21 29
F 4	16 8	23 5	4 52	15 11	3 36	19 31	0 52	5 15	2 47	23 13	0 10	20 26	1 37	15 16	0 26	21 29
S 5	15 50	18 36	4 25	15 29	3 32	19 14	0 54	5 19	2 48	23 13	0 10	20 26	1 36	15 17	0 26	21 29
S 6	15 31	13 18	3 43	15 46	3 26	18 56	0 56	5 23	2 49	23 13	0 10	20 26	1 36	15 17	0 26	21 29
M 7	15 13	7 33	2 51	16 4	3 18	18 38	0 58	5 26	2 49	23 13	0 10	20 26	1 36	15 17	0 26	21 29
T 8	14 54	1 37	1 52	16 20	3 10	18 19	1 0	5 29	2 50	23 13	0 10	20 26	1 36	15 17	0 26	21 29
W 9	14 34	4s14	0 48	16 36	3 0	17 59	1 1	5 32	2 51	23 13	0 9	20 27	1 35	15 17	0 26	21 29
T 10	14 15	9 49	0s16	16 50	2 49	17 39	1 3	5 34	2 52	23 13	0 9	20 27	1 35	15 17	0 26	21 29
F 11	13 55	14 58	1 19	17 3	2 38	17 19	1 5	5 37	2 53	23 13	0 9	20 27	1 35	15 17	0 26	21 29
S 12	13 35	19 32	2 18	17 15	2 26	16 58	1 6	5 39	2 54	23 13	0 9	20 27	1 35	15 17	0 26	21 29
S 13	13 15	23 19	3 12	17 26	2 14	16 36	1 8	5 41	2 54	23 13	0 9	20 28	1 34	15 17	0 26	21 29
M14	12 55	26 9	3 57	17 35	2 2	16 15	1 9	5 42	2 55	23 14	0 9	20 28	1 34	15 17	0 27	21 29
T 15	12 34	27 51	4 32	17 43	1 50	15 52	1 11	5 44	2 56	23 14	0 9	20 28	1 34	15 17	0 27	21 29
W16	12 14	28 12	4 56	17 50	1 37	15 29	1 12	5 45	2 57	23 14	0 8	20 29	1 34	15 17	0 27	21 29
T 17	11 53	27 7	5 6	17 55	1 25	15 6	1 13	5 46	2 58	23 14	0 8	20 29	1 33	15 17	0 27	21 29
F 18	11 31	24 35	5 1	17 59	1 13	14 43	1 14	5 47	2 58	23 14	0 8	20 29	1 33	15 17	0 27	21 29
S 19	11 10	20 41	4 40	18 1	1 1	14 19	1 16	5 47	2 59	23 14	0 8	20 30	1 33	15 17	0 27	21 29
S 20	10 49	15 38	4 2	18 2	0 50	13 54	1 17	5 47	3 0	23 14	0 8	20 30	1 33	15 17	0 27	21 29
M21	10 27	9 41	3 10	18 2	0 38	13 29	1 18	5 48	3 1	23 15	0 8	20 31	1 32	15 17	0 27	21 29
T 22	10 5	3 10	2 5	18 0	0 27	13 4	1 19	5 47	3 1	23 15	0 7	20 31	1 32	15 17	0 27	21 29
W23	9 43	3n34	0 52	17 57	0 16	12 39	1 20	5 47	3 2	23 15	0 7	20 32	1 32	15 17	0 27	21 29
T 24	9 21	10 10	0n25	17 52	0 6	12 13	1 20	5 46	3 3	23 15	0 7	20 32	1 32	15 17	0 27	21 29
F 25	8 59	16 15	1 40	17 46	0s 4	11 46	1 21	5 45	3 3	23 15	0 7	20 32	1 31	15 16	0 27	21 29
S 26	8 36	21 26	2 49	17 39	0 14	11 20	1 22	5 44	3 4	23 15	0 7	20 33	1 31	15 16	0 27	21 29
S 27	8 14	25 22	3 48	17 30	0 24	10 53	1 23	5 42	3 4	23 16	0 7	20 33	1 31	15 16	0 27	21 29
M28	7s51	27n43	4n32	17s20	0s33	10s26	1s23	5s41	3n 5	23n16	0s 7	20n34	1s31	15s16	0n27	21n30

Julian Day Number = 2473856.5, Delta T = 77.99 sec

Ecliptic obliquity = 23°26'01, Nutation = - 0°00'05, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 25°35'37, Lahiri = 24°42'38

ASTRODIENST EPHEMERIS for the year 2061
geocentric

MARCH 2061

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 37 19	10 ^h 55'05"	5 ^h 53'	14 ^h 30'	7 ^h 42'	21°R51	26 ^h 2	10 ^h 51'	12°R49	18 ^h 2	22 ^h 15'	20°R41	22 ^h 5	21 ^h 57'	0 ^h 6'	T 1
W 2	10 41 15	11°55'18"	19°42'	15°40'	8°57'	21 ^h 46'	26° 4'	10°53'	12 ^h 49'	18° 2'	22°16'	20°Y37	22° 2'	22° 3'	0°10'	W 2
T 3	10 45 12	12°55'29"	3 ^h 20'	16°53'	10°12'	21°40'	26° 7'	10°55'	12°48'	18° 2'	22°18'	20°31'	21°59'	22°10'	0°14'	T 3
F 4	10 49 8	13°55'38"	16°48'	18° 8'	11°27'	21°33'	26° 9'	10°58'	12°47'	18° 2'	22°20'	20°25'	21°55'	22°17'	0°18'	F 4
S 5	10 53 5	14°55'45"	0 ^h 2	19°24'	12°42'	21°26'	26°12'	11° 0'	12°46'	18° 2'	22°21'	20°19'	21°52'	22°23'	0°23'	S 5
S 6	10 57 2	15°55'49"	13° 1'	20°42'	13°57'	21°18'	26°15'	11° 3'	12°45'	18° 3'	22°23'	20°14'	21°49'	22°30'	0°27'	S 6
M 7	11 0 58	16°55'52"	25°45'	22° 1'	15°12'	21° 9'	26°18'	11° 5'	12°44'	18° 3'	22°24'	20°10'	21°46'	22°37'	0°31'	M 7
T 8	11 4 55	17°55'54"	8 ^h 14'	23°22'	16°27'	21° 0'	26°21'	11° 8'	12°43'	18° 3'	22°26'	20° 7'	21°43'	22°43'	0°35'	T 8
W 9	11 8 51	18°55'53"	20°29'	24°45'	17°41'	20°49'	26°24'	11°11'	12°42'	18° 4'	22°27'	20°D 7'	21°40'	22°50'	0°39'	W 9
T 10	11 12 48	19°55'51"	2 ^h 33'	26° 9'	18°56'	20°38'	26°28'	11°14'	12°41'	18° 4'	22°29'	20° 7'	21°36'	22°57'	0°43'	T 10
F 11	11 16 44	20°55'47"	14°28'	27°34'	20°11'	20°27'	26°32'	11°17'	12°39'	18° 4'	22°30'	20° 9'	21°33'	23° 3'	0°47'	F 11
S 12	11 20 41	21°55'41"	26°18'	29° 1'	21°26'	20°14'	26°36'	11°20'	12°38'	18° 5'	22°32'	20°11'	21°30'	23°10'	0°51'	S 12
S 13	11 24 37	22°55'34"	8 ^h 7'	0 ^h 28'	22°41'	20° 1'	26°40'	11°24'	12°37'	18° 5'	22°34'	20°12'	21°27'	23°17'	0°54'	S 13
M14	11 28 34	23°55'25"	20° 1'	1°58'	23°56'	19°47'	26°44'	11°27'	12°35'	18° 6'	22°35'	20°R13	21°24'	23°23'	0°58'	M14
T 15	11 32 31	24°55'14"	2 ^h 5	3°28'	25°10'	19°32'	26°49'	11°31'	12°34'	18° 6'	22°37'	20°13'	21°20'	23°30'	1° 2'	T 15
W16	11 36 27	25°55'02"	14°22'	5° 0'	26°25'	19°16'	26°53'	11°34'	12°33'	18° 7'	22°38'	20°12'	21°17'	23°37'	1° 6'	W16
T 17	11 40 24	26°54'48"	26°59'	6°33'	27°40'	19° 0'	26°58'	11°38'	12°31'	18° 8'	22°40'	20° 9'	21°14'	23°43'	1°10'	T 17
F 18	11 44 20	27°54'32"	9 ^h 57'	8° 8'	28°55'	18°43'	27° 3'	11°42'	12°30'	18° 8'	22°41'	20° 6'	21°11'	23°50'	1°14'	F 18
S 19	11 48 17	28°54'15"	23°18'	9°43'	0°Y10'	18°26'	27° 8'	11°46'	12°28'	18° 9'	22°43'	20° 3'	21° 8'	23°57'	1°18'	S 19
S 20	11 52 13	29°53'56"	7 ^h 4	11°20'	1°24'	18° 8'	27°14'	11°50'	12°26'	18°10'	22°44'	20° 0'	21° 5'	24° 3'	1°21'	S 20
M21	11 56 10	0°Y53'34"	21°11'	12°58'	2°39'	17°49'	27°19'	11°54'	12°25'	18°10'	22°46'	19°58'	21° 1'	24°10'	1°25'	M21
T 22	12 0 6	1°53'11"	5°Y36'	14°38'	3°54'	17°30'	27°25'	11°58'	12°23'	18°11'	22°48'	19°56'	20°58'	24°17'	1°29'	T 22
W23	12 4 3	2°52'46"	20°14'	16°18'	5° 8'	17°10'	27°31'	12° 2'	12°21'	18°12'	22°49'	19°D56'	20°55'	24°23'	1°33'	W23
T 24	12 7 59	3°52'18"	4 ^h 56'	18° 0'	6°23'	16°49'	27°37'	12° 7'	12°20'	18°13'	22°51'	19°56'	20°52'	24°30'	1°36'	T 24
F 25	12 11 56	4°51'49"	19°38'	19°43'	7°38'	16°29'	27°43'	12°11'	12°18'	18°14'	22°52'	19°57'	20°49'	24°37'	1°40'	F 25
S 26	12 15 53	5°51'17"	4 ^h 12'	21°28'	8°52'	16° 8'	27°49'	12°16'	12°16'	18°15'	22°54'	19°58'	20°46'	24°43'	1°43'	S 26
S 27	12 19 49	6°50'43"	18°35'	23°14'	10° 7'	15°46'	27°55'	12°20'	12°14'	18°16'	22°55'	19°59'	20°42'	24°50'	1°47'	S 27
M28	12 23 46	7°50'07"	2 ^h 44'	25° 1'	11°21'	15°24'	28° 2'	12°25'	12°12'	18°17'	22°57'	20°R 0'	20°39'	24°57'	1°51'	M28
T 29	12 27 42	8°49'28"	16°37'	26°49'	12°36'	15° 2'	28° 9'	12°30'	12°10'	18°18'	22°58'	20° 0'	20°36'	25° 3'	1°54'	T 29
W30	12 31 39	9°48'47"	0 ^h 13'	28°39'	13°51'	14°39'	28°16'	12°34'	12° 8'	18°19'	23° 0'	19°59'	20°33'	25°10'	1°58'	W30
T 31	12 35 35	10°Y48'03"	13 ^h 33'	0°Y30'	15°Y 5'	14 ^h 17'	28 ^h 23'	12 ^h 39'	12 ^h 6'	18 ^h 20'	23 ^h 1	19°Y58'	20°Y30'	25 ^h 17'	2 ^h 1	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
T 1	7s28	28n18	5n 0	17s 9	0s42	9s59	1s24	5s39	3n 5	23n16	0s 6	20n35	1s30	15s16	0n27	21n30
W 2	7 5	27 6	5 10	16 56	0 50	9 31	1 24	5 36	3 6	23 16	0 6	20 35	1 30	15 15	0 27	21 30
T 3	6 42	24 18	5 3	16 42	0 58	9 3	1 25	5 34	3 6	23 16	0 6	20 36	1 30	15 15	0 27	21 30
F 4	6 19	20 13	4 38	16 26	1 6	8 35	1 25	5 31	3 7	23 17	0 6	20 36	1 30	15 15	0 27	21 30
S 5	5 56	15 11	3 59	16 10	1 13	8 7	1 26	5 28	3 7	23 17	0 6	20 37	1 29	15 14	0 27	21 30
S 6	5 33	9 34	3 9	15 51	1 20	7 38	1 26	5 25	3 7	23 17	0 6	20 37	1 29	15 14	0 27	21 30
M 7	5 10	3 40	2 9	15 32	1 27	7 9	1 26	5 21	3 7	23 17	0 6	20 38	1 29	15 14	0 27	21 30
T 8	4 46	2s17	1 5	15 11	1 33	6 40	1 26	5 18	3 8	23 18	0 5	20 39	1 29	15 13	0 27	21 30
W 9	4 23	8 2	0s 2	14 49	1 39	6 11	1 26	5 14	3 8	23 18	0 5	20 39	1 28	15 13	0 27	21 30
T 10	3 59	13 25	1 8	14 26	1 44	5 42	1 26	5 9	3 8	23 18	0 5	20 40	1 28	15 13	0 27	21 30
F 11	3 36	18 14	2 10	14 2	1 49	5 12	1 26	5 5	3 8	23 18	0 5	20 41	1 28	15 12	0 27	21 30
S 12	3 12	22 20	3 6	13 36	1 54	4 43	1 26	5 0	3 8	23 19	0 5	20 41	1 28	15 12	0 27	21 30
S 13	2 48	25 30	3 54	13 9	1 58	4 13	1 26	4 55	3 8	23 19	0 5	20 42	1 27	15 12	0 27	21 31
M14	2 25	27 35	4 32	12 40	2 2	3 43	1 25	4 50	3 8	23 19	0 5	20 43	1 27	15 11	0 27	21 31
T 15	2 1	28 24	4 59	12 11	2 5	3 13	1 25	4 45	3 8	23 19	0 5	20 43	1 27	15 11	0 27	21 31
W16	1 37	27 51	5 13	11 40	2 8	2 43	1 25	4 39	3 7	23 19	0 4	20 44	1 27	15 10	0 27	21 31
T 17	1 14	25 52	5 12	11 8	2 11	2 13	1 24	4 33	3 7	23 20	0 4	20 45	1 27	15 10	0 27	21 31
F 18	0 50	22 30	4 56	10 35	2 13	1 43	1 24	4 27	3 7	23 20	0 4	20 46	1 26	15 9	0 27	21 31
S 19	0 26	17 53	4 23	10 0	2 15	1 13	1 23	4 21	3 6	23 20	0 4	20 46	1 26	15 9	0 27	21 31
S 20	0 2	12 14	3 35	9 25	2 16	0 42	1 23	4 15	3 6	23 20	0 4	20 47	1 26	15 8	0 27	21 31
M21	0n21	5 49	2 32	8 48	2 17	0 12	1 22	4 8	3 5	23 21	0 4	20 48	1 26	15 8	0 27	21 31
T 22	0 45	1n 2	1 18	8 10	2 18	0n18	1 21	4 2	3 4	23 21	0 4	20 49	1 25	15 7	0 27	21 32
W23	1 9	7 56	0n 2	7 31	2 18	0 49	1 20	3 55	3 4	23 21	0 3	20 49	1 25	15 7	0 27	21 32
T 24	1 32	14 27	1 22	6 51	2 17	1 19	1 19	3 48	3 3	23 21	0 3	20 50	1 25	15 6	0 27	21 32
F 25	1 56	20 9	2 37	6 9	2 16	1 50	1 18	3 41	3 2	23 22	0 3	20 51	1 25	15 6	0 27	21 32
S 26	2 20	24 36	3 41	5 27	2 15	2 20	1 17	3 33	3 1	23 22	0 3	20 52	1 25	15 5	0 27	21 32
S 27	2 43	27 26	4 31	4 43	2 13	2 50	1 16	3 26	3 0	23 22	0 3	20 52	1 24	15 5	0 27	21 32
M28	3 6	28 27	5 3	3 58	2 10	3 20	1 15	3 19	2 59	23 22	0 3	20 53	1 24	15 4	0 27	21 32
T 29	3 30	27 38	5 16	3 13	2 7	3 50	1 14	3 11	2 57	23 23	0 3	20 54	1 24	15 3	0 27	21 32
W30	3 53	25 10	5 12	2 26	2 4	4 20	1 13	3 4	2 56	23 23	0 3	20 55	1 24	15 3	0 27	21 33
T 31	4n16	21n23	4n50	1s38	2s 0	4n50	1s12	2s57	2n55	23n23	0s 2	20n56	1s23	15s 2	0n27	21n33

Julian Day Number = 2473884.5, Delta T = 78.02 sec
Ecliptic obliquity = 23°26'02", Nutation = - 0°00'05", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°35'41", Lahiri = 24°42'42"

ASTRODIENST EPHEMERIS for the year 2061

geocentric

APRIL 2061

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 39 32	11°47'18	26°02'38	2°47'23	16°47'20	13°R54	28°II30	12°II44	12°R 4	18°II21	23°H 3	19°R57	20°V26	25°M23	2°H 4	F 1	
S 2	12 43 28	12°46'30	9°02'29	4°17	17°34	13°A31	28°37	12°50	12°M 2	18°22	23° 4	19°V56	20°23	25°30	2° 8	S 2	
S 3	12 47 25	13°45'39	22° 6	6°12	18°48	13° 8	28°45	12°55	12° 0	18°23	23° 6	19°55	20°20	25°37	2°11	S 3	
M 4	12 51 22	14°44'47	4°A31	8° 9	20° 3	12°44	28°52	13° 0	11°58	18°24	23° 7	19°55	20°17	25°44	2°14	M 4	
T 5	12 55 18	15°43'53	16°45	10° 7	21°17	12°21	29° 0	13° 5	11°56	18°25	23° 9	19°D55	20°14	25°50	2°18	T 5	
W 6	12 59 15	16°42'56	28°51	12° 6	22°32	11°58	29° 8	13°11	11°53	18°27	23°10	19°55	20°11	25°57	2°21	W 6	
T 7	13 3 11	17°41'58	10°M48	14° 6	23°46	11°35	29°16	13°16	11°51	18°28	23°12	19°55	20° 7	26° 4	2°24	T 7	
F 8	13 7 8	18°40'57	22°40	16° 8	25° 0	11°12	29°24	13°22	11°49	18°29	23°13	19°55	20° 4	26°10	2°27	F 8	
S 9	13 11 4	19°39'55	4°A30	18°11	26°15	10°49	29°33	13°27	11°47	18°30	23°14	19°R55	20° 1	26°17	2°30	S 9	
S 10	13 15 1	20°38'51	16°20	20°14	27°29	10°27	29°41	13°33	11°44	18°32	23°16	19°55	19°58	26°24	2°34	S 10	
M11	13 18 57	21°37'46	28°15	22°19	28°43	10° 4	29°49	13°39	11°42	18°33	23°17	19°55	19°55	26°30	2°37	M11	
T 12	13 22 54	22°36'38	10°B18	24°24	29°58	9°42	29°58	13°44	11°40	18°35	23°19	19°55	19°52	26°37	2°40	T 12	
W13	13 26 51	23°35'29	22°34	26°30	1°B12	9°20	0°B 7	13°50	11°37	18°36	23°20	19°D55	19°48	26°44	2°43	W13	
T 14	13 30 47	24°34'18	5°A 6	28°36	2°26	8°59	0°16	13°56	11°35	18°38	23°21	19°55	19°45	26°50	2°46	T 14	
F 15	13 34 44	25°33'05	18° 0	0°B43	3°40	8°38	0°25	14° 2	11°33	18°39	23°23	19°55	19°42	26°57	2°48	F 15	
S 16	13 38 40	26°31'51	1°H18	2°49	4°54	8°18	0°34	14° 8	11°30	18°40	23°24	19°56	19°39	27° 4	2°51	S 16	
S 17	13 42 37	27°30'35	15° 3	4°55	6° 9	7°58	0°43	14°14	11°28	18°42	23°26	19°56	19°36	27°10	2°54	S 17	
M18	13 46 33	28°29'17	29°13	7° 0	7°23	7°38	0°53	14°21	11°25	18°44	23°27	19°57	19°32	27°17	2°57	M18	
T 19	13 50 30	29°27'57	13°V47	9° 4	8°37	7°19	1° 2	14°27	11°23	18°45	23°28	19°R57	19°29	27°24	2°59	T 19	
W20	13 54 26	0°B26'36	28°39	11° 6	9°51	7° 1	1°12	14°33	11°20	18°47	23°29	19°57	19°26	27°30	3° 2	W20	
T 21	13 58 23	1°25'12	13°B41	13° 7	11° 5	6°43	1°21	14°40	11°18	18°48	23°31	19°57	19°23	27°37	3° 5	T 21	
F 22	14 2 20	2°23'47	28°46	15° 6	12°19	6°26	1°31	14°46	11°15	18°50	23°32	19°56	19°20	27°44	3° 7	F 22	
S 23	14 6 16	3°22'20	13°II44	17° 2	13°33	6°10	1°41	14°52	11°13	18°52	23°33	19°54	19°17	27°50	3°10	S 23	
S 24	14 10 13	4°20'50	28°27	18°56	14°47	5°54	1°51	14°59	11°10	18°53	23°35	19°52	19°13	27°57	3°12	S 24	
M25	14 14 9	5°19'19	12°B50	20°47	16° 1	5°39	2° 1	15° 6	11° 8	18°55	23°36	19°51	19°10	28° 4	3°15	M25	
T 26	14 18 6	6°17'45	26°50	22°35	17°15	5°24	2°11	15°12	11° 5	18°57	23°37	19°50	19° 7	28°10	3°17	T 26	
W27	14 22 2	7°16'09	10°B26	24°19	18°29	5°11	2°22	15°19	11° 3	18°59	23°38	19°D50	19° 4	28°17	3°19	W27	
T 28	14 25 59	8°14'31	23°39	26° 0	19°43	4°58	2°32	15°26	11° 0	19° 0	23°39	19°50	19° 1	28°24	3°22	T 28	
F 29	14 29 55	9°12'51	6°B32	27°36	20°57	4°46	2°43	15°32	10°58	19° 2	23°41	19°52	18°58	28°30	3°24	F 29	
S 30	14 33 52	10°B11'09	19°B 7	29°B 9	22°B11	4°A35	2°B53	15°II39	10°M55	19°II 4	23°H42	19°V53	18°V54	28°M37	3°H26	S 30	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4n40	16n37	4n14	0s49	1s56	5n20	1s10	2s49	2n53	23n23	0s 2	20n57	1s23	1s 1	0n27	21n33	F 1
S 2	5 3	11 12	3 26	0n 1	1 51	5 50	1 9	2 42	2 52	23 23	0 2	20 57	1 23	15 1	0 27	21 33	S 2
S 3	5 26	5 24	2 28	0 51	1 45	6 20	1 7	2 34	2 50	23 24	0 2	20 58	1 23	15 0	0 27	21 33	S 3
M 4	5 49	0s30	1 24	1 43	1 39	6 49	1 6	2 27	2 48	23 24	0 2	20 59	1 23	15 0	0 27	21 33	M 4
T 5	6 11	6 19	0 17	2 35	1 33	7 18	1 4	2 19	2 47	23 24	0 2	21 0	1 22	14 59	0 27	21 34	T 5
W 6	6 34	11 50	0s49	3 28	1 26	7 48	1 3	2 12	2 45	23 24	0 2	21 1	1 22	14 58	0 27	21 34	W 6
T 7	6 57	16 51	1 53	4 22	1 18	8 17	1 1	2 5	2 43	23 24	0 2	21 2	1 22	14 57	0 27	21 34	T 7
F 8	7 19	21 12	2 52	5 16	1 10	8 45	0 59	1 58	2 41	23 24	0 2	21 3	1 22	14 57	0 27	21 34	F 8
S 9	7 41	24 41	3 43	6 10	1 2	9 14	0 58	1 51	2 39	23 25	0 1	21 3	1 22	14 56	0 27	21 34	S 9
S 10	8 4	27 7	4 25	7 5	0 53	9 42	0 56	1 44	2 37	23 25	0 1	21 4	1 22	14 55	0 27	21 34	S 10
M 11	8 26	28 20	4 55	8 1	0 44	10 11	0 54	1 37	2 35	23 25	0 1	21 5	1 21	14 55	0 27	21 34	M 11
T 12	8 48	28 14	5 13	8 56	0 34	10 39	0 52	1 30	2 33	23 25	0 1	21 6	1 21	14 54	0 27	21 35	T 12
W 13	9 9	26 45	5 17	9 51	0 24	11 6	0 50	1 24	2 30	23 25	0 1	21 7	1 21	14 53	0 27	21 35	W 13
T 14	9 31	23 56	5 6	10 46	0 14	11 34	0 48	1 18	2 28	23 25	0 1	21 8	1 21	14 53	0 27	21 35	T 14
F 15	9 53	19 52	4 40	11 40	0 3	12 1	0 46	1 11	2 26	23 25	0 1	21 9	1 21	14 52	0 27	21 35	F 15
S 16	10 14	14 43	3 58	12 34	0n 8	12 28	0 44	1 6	2 23	23 25	0 1	21 10	1 20	14 51	0 27	21 35	S 16
S 17	10 35	8 41	3 2	13 27	0 19	12 54	0 42	1 0	2 21	23 25	0 1	21 11	1 20	14 50	0 27	21 35	S 17
M 18	10 56	2 2	1 53	14 19	0 30	13 20	0 40	0 55	2 18	23 25	0 0	21 11	1 20	14 50	0 27	21 36	M 18
T 19	11 17	4n54	0 34	15 9	0 41	13 46	0 38	0 49	2 16	23 25	0 0	21 12	1 20	14 49	0 27	21 36	T 19
W 20	11 37	11 44	0n48	15 58	0 52	14 12	0 36	0 44	2 13	23 25	0 0	21 13	1 20	14 48	0 27	21 36	W 20
T 21	11 58	17 59	2 8	16 46	1 2	14 37	0 33	0 40	2 11	23 25	0 0	21 14	1 20	14 47	0 27	21 36	T 21
F 22	12 18	23 7	3 19	17 31	1 13	15 2	0 31	0 35	2 8	23 25	0 0	21 15	1 19	14 46	0 27	21 36	F 22
S 23	12 38	26 40	4 16	18 15	1 23	15 27	0 29	0 31	2 6	23 25	0n 0	21 16	1 19	14 46	0 27	21 37	S 23
S 24	12 58	28 20	4 55	18 56	1 33	15 51	0 27	0 27	2 3	23 25	0 0	21 17	1 19	14 45	0 27	21 37	S 24
M 25	13 18	28 1	5 14	19 35	1 42	16 14	0 24	0 24	2 0	23 25	0 0	21 18	1 19	14 44	0 27	21 37	M 25
T 26	13 37	25 55	5 14	20 12	1 51	16 38	0 22	0 21	1 58	23 25	0 0	21 18	1 19	14 43	0 27	21 37	T 26
W 27	13 56	22 22	4 56	20 46	1 59	17 1	0 20	0 18	1 55	23 25	0 1	21 19	1 19	14 43	0 27	21 37	W 27
T 28	14 15	17 46	4 23	21 17	2 6	17 23	0 17	0 15	1 53	23 25	0 1	21 20	1 18	14 42	0 27	21 37	T 28
F 29	14 34	12 28	3 37	21 47	2 13	17 45	0 15	0 13	1 50	23 25	0 1	21 21	1 18	14 41	0 27	21 38	F 29
S 30	14n52	6n47	2n42	22n13	2n19	18n 7	0s12	0s11	1n47	23n25	0n 1	21n22	1s18	14s40	0n27	21n38	S 30

Julian Day Number = 2473915.5, Delta T = 78.05 sec

Ecliptic obliquity = 23°26'02", Nutation = - 0°00'06", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 25°35'45", Lahiri = 24°42'46"

ASTRODIENST EPHEMERIS for the year 2061
geocentric

MAY 2061

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day	
S 1	14 37 49	11°8' 9'25	1°28	0°II38	23°8'25	4°R24	3°54	4	15°II46	10°R52	19°II 6	23°43	19°Y54	18°Y51	28°M44	3°48	S 1
M 2	14 41 45	12° 7'38	13°39	2° 3	24°39	4°14	3°15	15°53	10°M50	19° 8	23°44	19°55	18°48	28°50	3°30	M 2	
T 3	14 45 42	13° 5'50	25°40	3°24	25°52	4° 5	3°25	16° 0	10°47	19°10	23°45	19°R55	18°45	28°57	3°32	T 3	
W 4	14 49 38	14° 4'00	7°M36	4°40	27° 6	3°57	3°36	16° 7	10°45	19°11	23°46	19°54	18°42	29° 4	3°34	W 4	
T 5	14 53 35	15° 2'09	19°28	5°51	28°20	3°50	3°47	16°14	10°42	19°13	23°47	19°52	18°38	29°10	3°36	T 5	
F 6	14 57 31	16° 0'16	1°28'18	6°59	29°34	3°43	3°59	16°21	10°40	19°15	23°48	19°48	18°35	29°17	3°38	F 6	
S 7	15 1 28	16°58'21	13° 9	8° 1	0°II47	3°38	4°10	16°28	10°37	19°17	23°49	19°44	18°32	29°24	3°40	S 7	
S 8	15 5 24	17°56'25	25° 1	8°59	2° 1	3°33	4°21	16°35	10°35	19°19	23°50	19°39	18°29	29°30	3°42	S 8	
M 9	15 9 21	18°54'27	6°359	9°52	3°15	3°28	4°32	16°43	10°32	19°21	23°51	19°34	18°26	29°37	3°43	M 9	
T 10	15 13 18	19°52'28	19° 4	10°41	4°29	3°25	4°44	16°50	10°30	19°23	23°52	19°30	18°23	29°44	3°45	T 10	
W11	15 17 14	20°50'27	1°20	11°24	5°42	3°22	4°55	16°57	10°27	19°25	23°53	19°27	18°19	29°50	3°47	W11	
T 12	15 21 11	21°48'25	13°51	12° 3	6°56	3°21	5° 7	17° 4	10°25	19°27	23°54	19°26	18°16	29°57	3°48	T 12	
F 13	15 25 7	22°46'22	26°40	12°37	8° 9	3°19	5°18	17°12	10°22	19°29	23°55	19°D25	18°13	0°27 4	3°50	F 13	
S 14	15 29 4	23°44'17	9°52	13° 6	9°23	3°D19	5°30	17°19	10°20	19°31	23°56	19°26	18°10	0°11	3°51	S 14	
S 15	15 33 0	24°42'12	23°28	13°30	10°37	3°20	5°42	17°26	10°17	19°33	23°57	19°28	18° 7	0°17	3°52	S 15	
M16	15 36 57	25°40'05	7°Y31	13°49	11°50	3°21	5°54	17°34	10°15	19°35	23°58	19°29	18° 4	0°24	3°54	M16	
T 17	15 40 53	26°37'56	22° 0	14° 3	13° 4	3°23	6° 6	17°41	10°12	19°38	23°59	19°R29	18° 0	0°31	3°55	T 17	
W18	15 44 50	27°35'47	6°B51	14°12	14°17	3°25	6°18	17°49	10°10	19°40	24° 0	19°28	17°57	0°37	3°56	W18	
T 19	15 48 47	28°33'36	21°59	14°R16	15°31	3°29	6°30	17°56	10° 8	19°42	24° 0	19°25	17°54	0°44	3°57	T 19	
F 20	15 52 43	29°31'24	7°II14	14°15	16°44	3°33	6°42	18° 4	10° 5	19°44	24° 1	19°21	17°51	0°51	3°58	F 20	
S 21	15 56 40	0°II29'11	22°26	14°10	17°58	3°38	6°54	18°11	10° 3	19°46	24° 2	19°15	17°48	0°57	3°59	S 21	
S 22	16 0 36	1°26'56	7°B25	14° 0	19°11	3°44	7° 6	18°19	10° 1	19°48	24° 3	19° 9	17°44	1° 4	4° 0	S 22	
M23	16 4 33	2°24'40	22° 3	13°46	20°24	3°50	7°18	18°27	9°58	19°50	24° 3	19° 3	17°41	1°11	4° 1	M23	
T 24	16 8 29	3°22'22	6°D14	13°28	21°38	3°57	7°31	18°34	9°56	19°52	24° 4	18°59	17°38	1°17	4° 2	T 24	
W25	16 12 26	4°20'02	19°56	13° 6	22°51	4° 4	7°43	18°42	9°54	19°55	24° 5	18°56	17°35	1°24	4° 3	W25	
T 26	16 16 23	5°17'41	3°M11	12°41	24° 4	4°13	7°56	18°50	9°52	19°57	24° 5	18°D55	17°32	1°31	4° 4	T 26	
F 27	16 20 19	6°15'19	16° 1	12°14	25°18	4°22	8° 8	18°57	9°49	19°59	24° 6	18°55	17°29	1°37	4° 4	F 27	
S 28	16 24 16	7°12'55	28°31	11°44	26°31	4°31	8°21	19° 5	9°47	20° 1	24° 7	18°56	17°25	1°44	4° 5	S 28	
S 29	16 28 12	8°10'29	10°244	11°12	27°44	4°42	8°33	19°13	9°45	20° 3	24° 7	18°58	17°22	1°51	4° 5	S 29	
M30	16 32 9	9° 8'02	22°46	10°39	28°57	4°52	8°46	19°20	9°43	20° 6	24° 8	18°R58	17°19	1°57	4° 6	M30	
T 31	16 36 5	10°II 5'34	4°M40	10°II 5	0°B11	5°24	8°58	19°II28	9°M41	20°II 8	24°II 8	18°Y56	17°Y16	2°27 4	4°II 6	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	15n10	0n57	1n40	22n37	2n24	18n28	0s10	0s 9	1n45	23n25	0n 1	21n23	1s18	14s39	0n27	21n38
M 2	15 28	4s51	0 35	22 59	2 28	18 48	0 8	0 8	1 42	23 25	0 1	21 24	1 18	14 39	0 27	21 38
T 3	15 46	10 25	0s32	23 18	2 31	19 8	0 5	0 6	1 39	23 24	0 1	21 25	1 18	14 38	0 27	21 38
W 4	16 3	15 33	1 36	23 35	2 34	19 28	0 3	0 6	1 37	23 24	0 1	21 25	1 18	14 37	0 27	21 39
T 5	16 21	20 5	2 35	23 50	2 35	19 47	0 0	0 5	1 34	23 24	0 1	21 26	1 17	14 36	0 27	21 39
F 6	16 37	23 49	3 28	24 2	2 36	20 5	0n 2	0 5	1 31	23 24	0 1	21 27	1 17	14 36	0 27	21 39
S 7	16 54	26 32	4 12	24 12	2 35	20 23	0 5	0 5	1 29	23 24	0 2	21 28	1 17	14 35	0 27	21 39
S 8	17 10	28 5	4 44	24 20	2 34	20 41	0 7	0 5	1 26	23 23	0 2	21 29	1 17	14 34	0 27	21 39
M 9	17 26	28 20	5 5	24 25	2 31	20 58	0 10	0 6	1 24	23 23	0 2	21 30	1 17	14 33	0 27	21 39
T 10	17 42	27 14	5 13	24 29	2 28	21 14	0 12	0 7	1 21	23 23	0 2	21 31	1 17	14 32	0 27	21 40
W11	17 58	24 49	5 6	24 31	2 23	21 30	0 15	0 8	1 19	23 22	0 2	21 31	1 17	14 32	0 27	21 40
T 12	18 13	21 12	4 45	24 30	2 18	21 45	0 17	0 10	1 16	23 22	0 2	21 32	1 16	14 31	0 27	21 40
F 13	18 28	16 31	4 9	24 28	2 11	21 59	0 20	0 12	1 14	23 22	0 2	21 33	1 16	14 30	0 27	21 40
S 14	18 42	10 57	3 19	24 24	2 3	22 13	0 22	0 14	1 11	23 21	0 2	21 34	1 16	14 29	0 27	21 40
S 15	18 56	4 42	2 17	24 18	1 54	22 26	0 25	0 16	1 9	23 21	0 2	21 35	1 16	14 29	0 27	21 41
M16	19 10	1n59	1 5	24 11	1 44	22 39	0 27	0 19	1 6	23 21	0 2	21 36	1 16	14 28	0 27	21 41
T 17	19 24	8 47	0n54	24 2	1 33	22 51	0 30	0 22	1 4	23 20	0 2	21 36	1 16	14 27	0 27	21 41
W18	19 37	15 16	1 33	23 51	1 22	23 2	0 32	0 25	1 1	23 20	0 3	21 37	1 16	14 26	0 27	21 41
T 19	19 50	20 57	2 47	23 39	1 9	23 13	0 35	0 29	0 59	23 19	0 3	21 38	1 16	14 26	0 27	21 41
F 20	20 3	25 18	3 50	23 25	0 55	23 23	0 37	0 33	0 57	23 19	0 3	21 39	1 15	14 25	0 27	21 41
S 21	20 15	27 49	4 36	23 10	0 40	23 33	0 39	0 37	0 55	23 18	0 3	21 39	1 15	14 24	0 27	21 42
S 22	20 27	28 16	5 3	23 53	0 25	23 41	0 42	0 41	0 52	23 18	0 3	21 40	1 15	14 24	0 27	21 42
M23	20 38	26 43	5 9	22 36	0 9	23 49	0 44	0 45	0 50	23 17	0 3	21 41	1 15	14 23	0 27	21 42
T 24	20 49	23 29	4 56	22 17	0s 8	23 57	0 46	0 50	0 48	23 16	0 3	21 42	1 15	14 22	0 27	21 42
W25	21 0	19 1	4 25	21 57	0 25	24 3	0 49	0 55	0 46	23 16	0 3	21 42	1 15	14 21	0 27	21 42
T 26	21 11	13 47	3 42	21 37	0 42	24 9	0 51	1 0	0 44	23 15	0 3	21 43	1 15	14 21	0 27	21 43
F 27	21 21	8 6	2 48	21 16	1 0	24 14	0 53	1 6	0 41	23 14	0 3	21 44	1 15	14 20	0 27	21 43
S 28	21 31	2 15	1 48	20 55	1 17	24 19	0 55	1 12	0 39	23 14	0 4	21 45	1 15	14 19	0 27	21 43
S 29	21 40	3s34	0 44	20 33	1 35	24 23	0 58	1 18	0 37	23 13	0 4	21 45	1 15	14 19	0 27	21 43
M30	21 49	9 10	0s20	20 12	1 52	24 26	1 0	1 24	0 35	23 12	0 4	21 46	1 14	14 18	0 27	21 43
T 31	21n57	14s23	1s24	19n50	2s 9	24n28	1n 2	1s30	0n33	23n12	0n 4	21n47	1s14	14s17	0n27	21n43

Julian Day Number = 2473945.5, Delta T = 78.07 sec
Ecliptic obliquity = 23°26'02, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°35'50, Lahiri = 24°42'50

ASTRODIENST EPHEMERIS for the year 2061
geocentric

JUNE 2061

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	16 40 2	11 ^{II} 3'05	16 ^{III} 30	9°R32	1 [☾] 24	5 [♈] 16	9 [☾] 11	19 ^{II} 36	9°R39	20 ^{II} 10	24 [♋] 9	18°R53	17 ^{VI} 13	2 [♈] 11	4 [♈] 7	W 1
T 2	16 43 58	12° 0'34	28°19	8 ^{II} 58	2°37	5°28	9°24	19°44	9 ^{III} 37	20°12	24° 9	18 ^{VI} 47	17° 9	2°17	4° 7	T 2
F 3	16 47 55	12°58'02	10 [♊] 10	8°26	3°50	5°42	9°37	19°51	9°35	20°14	24°10	18°39	17° 6	2°24	4° 7	F 3
S 4	16 51 52	13°55'30	22° 4	7°56	5° 3	5°55	9°50	19°59	9°33	20°17	24°10	18°29	17° 3	2°31	4° 7	S 4
S 5	16 55 48	14°52'56	4 [☾] 2	7°27	6°16	6°10	10° 2	20° 7	9°31	20°19	24°11	18°19	17° 0	2°38	4° 7	S 5
M 6	16 59 45	15°50'22	16° 7	7° 2	7°29	6°24	10°15	20°15	9°29	20°21	24°11	18° 8	16°57	2°44	4° 8	M 6
T 7	17 3 41	16°47'47	28°19	6°39	8°42	6°40	10°28	20°22	9°27	20°23	24°12	17°59	16°54	2°51	4°R 8	T 7
W 8	17 7 38	17°45'11	10 [♋] 42	6°20	9°55	6°56	10°41	20°30	9°25	20°26	24°12	17°52	16°50	2°58	4° 8	W 8
T 9	17 11 34	18°42'35	23°16	6° 4	11° 8	7°12	10°54	20°38	9°24	20°28	24°12	17°46	16°47	3° 4	4° 7	T 9
F 10	17 15 31	19°39'57	6 [♈] 6	5°52	12°21	7°29	11° 7	20°46	9°22	20°30	24°13	17°43	16°44	3°11	4° 7	F 10
S 11	17 19 27	20°37'20	19°14	5°45	13°34	7°46	11°21	20°54	9°20	20°32	24°13	17°D43	16°41	3°18	4° 7	S 11
S 12	17 23 24	21°34'42	2 ^{VI} 43	5°D42	14°47	8° 4	11°34	21° 1	9°18	20°35	24°13	17°43	16°38	3°24	4° 7	S 12
M13	17 27 21	22°32'03	16°35	5°43	16° 0	8°22	11°47	21° 9	9°17	20°37	24°14	17°R43	16°35	3°31	4° 6	M13
T 14	17 31 17	23°29'24	0 [♈] 52	5°49	17°13	8°41	12° 0	21°17	9°15	20°39	24°14	17°43	16°31	3°38	4° 6	T 14
W15	17 35 14	24°26'44	15°31	5°59	18°26	9° 0	12°13	21°25	9°14	20°41	24°14	17°40	16°28	3°44	4° 6	W15
T 16	17 39 10	25°24'05	0 ^{II} 29	6°14	19°38	9°20	12°27	21°33	9°12	20°44	24°14	17°35	16°25	3°51	4° 5	T 16
F 17	17 43 7	26°21'25	15°39	6°33	20°51	9°40	12°40	21°40	9°11	20°46	24°14	17°28	16°22	3°58	4° 4	F 17
S 18	17 47 3	27°18'44	0 [☾] 50	6°57	22° 4	10° 0	12°53	21°48	9° 9	20°48	24°15	17°18	16°19	4° 4	4° 4	S 18
S 19	17 51 0	28°16'03	15°51	7°26	23°17	10°21	13° 6	21°56	9° 8	20°50	24°15	17° 8	16°16	4°11	4° 3	S 19
M20	17 54 56	29°13'21	0 [♈] 34	7°59	24°29	10°43	13°20	22° 4	9° 7	20°52	24°15	16°58	16°12	4°18	4° 2	M20
T 21	17 58 53	0 [☾] 10'38	14°52	8°36	25°42	11° 5	13°33	22°11	9° 5	20°55	24°15	16°50	16° 9	4°25	4° 2	T 21
W22	18 2 50	1° 7'55	28°41	9°18	26°55	11°27	13°47	22°19	9° 4	20°57	24°15	16°44	16° 6	4°31	4° 1	W22
T 23	18 6 46	2° 5'11	12 [♈] 0	10° 3	28° 7	11°49	14° 0	22°27	9° 3	20°59	24°15	16°41	16° 3	4°38	4° 0	T 23
F 24	18 10 43	3° 2'26	2 [☾] 53	10°53	29°20	12°12	14°13	22°35	9° 2	21° 1	24°R15	16°39	16° 0	4°45	3°59	F 24
S 25	18 14 39	3°59'41	7 [♈] 22	11°47	0 [♈] 32	12°36	14°27	22°42	9° 1	21° 4	24°15	16°D39	15°56	4°51	3°58	S 25
S 26	18 18 36	4°56'55	19°34	12°45	1°45	12°59	14°40	22°50	8°59	21° 6	24°15	16°R39	15°53	4°58	3°57	S 26
M27	18 22 32	5°54'08	1 ^{III} 34	13°47	2°57	13°23	14°54	22°58	8°58	21° 8	24°15	16°38	15°50	5° 5	3°55	M27
T 28	18 26 29	6°51'21	13°26	14°53	4°10	13°48	15° 7	23° 5	8°57	21°10	24°15	16°36	15°47	5°11	3°54	T 28
W29	18 30 25	7°48'33	25°15	16° 3	5°22	14°12	15°21	23°13	8°57	21°12	24°15	16°31	15°44	5°18	3°53	W29
T 30	18 34 22	8° [☾] 45'46	7 [♈] 5	17 ^{II} 17	6 [♈] 35	14 [♈] 38	15 [☾] 34	23 ^{II} 21	8 ^{III} 56	21 ^{II} 14	24 [♈] 14	16°V23	15°V41	5 [♈] 25	3 [♈] 52	T 30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl
W 1	22n 6	19s 3	2s23	19n29	2s25	24n30	1n 4	1s37	0n31	23n11	0n 4	21n48	1s14	14s17	0n27	21n44	1s21	16s10	15s 7	7n24	6n45	24s10	4s22	6n 2										
T 2	22 13	22 57	3 15	19 9	2 40	24 31	1 6	1 44	0 29	23 10	0 4	21 48	1 14	14 16	0 26	21 44	1 21	16 10	15 7	7 21	6 44	24 12	4 22	6 2										
F 3	22 21	25 55	3 59	18 50	2 54	24 31	1 8	1 51	0 27	23 9	0 4	21 49	1 14	14 16	0 26	21 44	1 21	16 10	15 7	7 18	6 43	24 14	4 21	6 3										
S 4	22 28	27 44	4 33	18 32	3 8	24 30	1 10	1 58	0 25	23 8	0 4	21 50	1 14	14 15	0 26	21 44	1 21	16 10	15 8	7 15	6 42	24 15	4 21	6 3										
S 5	22 35	28 17	4 55	18 16	3 20	24 29	1 12	2 5	0 23	23 7	0 4	21 50	1 14	14 14	0 26	21 44	1 21	16 10	15 8	7 11	6 41	24 17	4 21	6 3										
M 6	22 41	27 30	5 4	18 0	3 31	24 27	1 14	2 13	0 22	23 7	0 4	21 51	1 14	14 14	0 26	21 45	1 21	16 10	15 8	7 7	6 39	24 19	4 20	6 4										
T 7	22 47	25 23	4 59	17 47	3 41	24 24	1 16	2 21	0 20	23 6	0 4	21 51	1 14	14 13	0 26	21 45	1 21	16 11	15 9	7 3	6 38	24 21	4 20	6 4										
W 8	22 52	22 3	4 41	17 35	3 50	24 21	1 17	2 28	0 18	23 5	0 5	21 52	1 14	14 13	0 26	21 45	1 21	16 11	15 9	7 0	6 37	24 23	4 20	6 4										
T 9	22 57	17 40	4 8	17 25	3 57	24 17	1 19	2 37	0 16	23 4	0 5	21 53	1 14	14 12	0 26	21 45	1 21	16 11	15 10	6 58	6 36	24 25	4 20	6 5										
F 10	23 2	12 25	3 23	17 17	4 3	24 12	1 21	2 45	0 14	23 3	0 5	21 53	1 14	14 12	0 26	21 45	1 21	16 11	15 10	6 57	6 35	24 27	4 19	6 5										
S 11	23 6	6 30	2 26	17 11	4 8	24 7	1 22	2 53	0 13	23 2	0 5	21 54	1 13	14 11	0 26	21 45	1 21	16 11	15 10	6 57	6 33	24 29	4 19	6 5										
S 12	23 10	0 8	1 19	17 7	4 11	24 0	1 24	3 2	0 11	23 1	0 5	21 55	1 13	14 11	0 26	21 46	1 21	16 12	15 11	6 57	6 32	24 31	4 19	6 6										
M13	23 13	6n25	0 6	17 5	4 14	23 53	1 26	3 11	0 9	23 0	0 5	21 55	1 13	14 10	0 26	21 46	1 21	16 12	15 11	6 57	6 31	24 33	4 19	6 6										
T 14	23 16	12 51	1n 9	17 5	4 15	23 46	1 27	3 19	0 8	22 59	0 5	21 56	1 13	14 10	0 26	21 46	1 21	16 12	15 11	6 57	6 30	24 35	4 19	6 6										
W15	23 19	18 45	2 22	17 7	4 15	23 38	1 28	3 29	0 6	22 57	0 5	21 56	1 13	14 9	0 26	21 46	1 21	16 12	15 12	6 56	6 28	24 37	4 19	6 7										
T 16	23 21	23 37	3 27	17 11	4 13	23 29	1 30	3 38	0 4	22 56	0 5	21 57	1 13	14 9	0 26	21 46	1 21	16 13	15 12	6 54	6 27	24 38	4 18	6 7										
F 17	23 23	26 55	4 17	17 16	4 11	23 19	1 31	3 47	0 3	22 55	0 5	21 57	1 13	14 8	0 26	21 46	1 21	16 13	15 13	6 51	6 26	24 40	4 18	6 7										
S 18	23 24	28 16	4 50	17 23	4 8	23 9	1 32	3 57	0 1	22 54	0 5	21 58	1 13	14 8	0 26	21 46	1 21	16 13	15 13	6 48	6 25	24 42	4 18	6 7										
S 19	23 25	27 29	5 2	17 32	4 4	22 58	1 33	4 6	0s 0	22 53	0 6	21 59	1 13	14 7	0 26	21 47	1 21	16 13	15 13	6 44	6 24	24 44	4 18	6 8										
M20	23 26	24 48	4 54	17 42	3 59	22 46	1 35	4 16	0 2	22 52	0 6	21 59	1 13	14 7	0 26	21 47	1 21	16 14	15 14	6 40	6 22	24 46	4 18	6 8										
T 21	23 26	20 37	4 27	17 54	3 53	22 34	1 36	4 26	0 3	22 50	0 6	22 0	1 13	14 7	0 26	21 47	1 21	16 14	15 14	6 37	6 21	24 48	4 18	6 8										
W22	23 26	15 27	3 45	18 7	3 46	22 21	1 37	4 36	0 5	22 49	0 6	22 0	1 13	14 6	0 26	21 47	1 21	16 14	15 14	6 35	6 20	24 50	4 18	6 9										
T 23	23 25	9 43	2 53	18 21	3 39	22 7	1 37	4 46	0 6	22 48	0 6	22 1	1 13	14 6	0 26	21 47	1 21	16 15	15 15	6 33	6 19	24 51	4 18	6 9										
F 24	23 24	3 46	1 53	18 36	3 31	21 53	1 38	4 56	0 8	22 46	0 6	22 1	1 13	14 6	0 26	21 47	1 21	16 15	15 15	6 33	6 17	24 53	4 18	6 9										
S 25	23 22	2s10	0 49	18 52	3 22	21 39	1 39	5 7	0 9	22 45	0 6	22 2	1 13	14 5	0 26	21 48	1 21	16 15	15 15	6 33	6 16	24 55	4 19	6 10										
S 26	23 20	7 54	0s16	19 8	3 13	21 23	1 40	5 17	0 11	22 44	0 6	22 2	1 13	14 5	0 26	21 48	1 21	16 16	15 16	6 33	6 15	24 57	4 19	6 10										
M27	23 18	13 14	1 18	19 26	3 3	21 7	1 40	5 28	0 12	22 42	0 6	22 2	1 12	14 5	0 26	21 48	1 21	16 16	15 16	6 32	6 14	24 59	4 19	6 10										
T 28	23 15	18 2	2 17	19 43	2 52	20 51	1 41	5 39	0 13	22 41	0 6	22 3	1 12	14 4	0 26	21 48	1 21	16 16	15 17	6 31	6 13	25 0	4 19	6 10										
W29	23 12	22 8	3 9	20 2	2 41	20 34	1 41	5 50	0 15	22 39	0 6	22 3	1 12	14 4	0 26	21 48	1 21	16 17	15 17	6 29	6 11	25 2	4 19	6 11										
T 30	23n 9	25s19	3s53	20n20	2s30	20n16	1n42	6s 1	0s16	22n38	0n 7	22n 4	1s12	14s 4	0n26	21n48	1s21	16s17	15s17	6n26	6n10	25s 4	4s19	6n11										

ASTRODIENST EPHEMERIS for the year 2061
geocentric

JULY 2061

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	18 38 19	9 ⁵² 42'58	18 ⁵⁷ 58	18 ¹¹ 34	7 ⁰ 47	15 ⁵ 3	15 ⁵² 48	23 ¹¹ 28	8 ⁰ R55	21 ¹¹ 17	24 ⁰ R14	16 ⁰ R13	15 ⁰ Y37	5 ⁵⁷ 31	3 ⁰ R50	F 1
S 2	18 42 15	10 ⁰ 40'09	0 ⁰ 358	19 ⁰ 56	8 ⁰ 59	15 ⁰ 29	16 ⁰ 1	23 ⁰ 36	8 ⁰ M54	21 ⁰ 19	24 ⁰ K14	16 ⁰ Y 0	15 ⁰ 34	5 ⁰ 38	3 ⁰ K49	S 2
S 3	18 46 12	11 ⁰ 37'21	13 ⁰ 5	21 ⁰ 21	10 ⁰ 12	15 ⁰ 55	16 ⁰ 15	23 ⁰ 44	8 ⁰ 53	21 ⁰ 21	24 ⁰ 14	15 ⁰ 47	15 ⁰ 31	5 ⁰ 45	3 ⁰ 47	S 3
M 4	18 50 8	12 ⁰ 34'32	25 ⁰ 21	22 ⁰ 49	11 ⁰ 24	16 ⁰ 21	16 ⁰ 28	23 ⁰ 51	8 ⁰ 53	21 ⁰ 23	24 ⁰ 14	15 ⁰ 34	15 ⁰ 28	5 ⁰ 52	3 ⁰ 46	M 4
T 5	18 54 5	13 ⁰ 31'44	7 ⁰ 46	24 ⁰ 21	12 ⁰ 36	16 ⁰ 48	16 ⁰ 42	23 ⁰ 59	8 ⁰ 52	21 ⁰ 25	24 ⁰ 13	15 ⁰ 21	15 ⁰ 25	5 ⁰ 58	3 ⁰ 44	T 5
W 6	18 58 1	14 ⁰ 28'55	20 ⁰ 21	25 ⁰ 57	13 ⁰ 48	17 ⁰ 15	16 ⁰ 55	24 ⁰ 6	8 ⁰ 51	21 ⁰ 27	24 ⁰ 13	15 ⁰ 12	15 ⁰ 22	6 ⁰ 5	3 ⁰ 43	W 6
T 7	19 1 58	15 ⁰ 26'07	3 ⁰ K 7	27 ⁰ 36	15 ⁰ 0	17 ⁰ 42	17 ⁰ 9	24 ⁰ 14	8 ⁰ 51	21 ⁰ 29	24 ⁰ 13	15 ⁰ 4	15 ⁰ 18	6 ⁰ 12	3 ⁰ 41	T 7
F 8	19 5 55	16 ⁰ 23'19	16 ⁰ 6	29 ⁰ 18	16 ⁰ 12	18 ⁰ 10	17 ⁰ 22	24 ⁰ 21	8 ⁰ 50	21 ⁰ 31	24 ⁰ 13	15 ⁰ 0	15 ⁰ 15	6 ⁰ 18	3 ⁰ 39	F 8
S 9	19 9 51	17 ⁰ 20'31	29 ⁰ 18	1 ⁰ 5	17 ⁰ 24	18 ⁰ 37	17 ⁰ 36	24 ⁰ 28	8 ⁰ 50	21 ⁰ 33	24 ⁰ 12	14 ⁰ 58	15 ⁰ 12	6 ⁰ 25	3 ⁰ 38	S 9
S 10	19 13 48	18 ⁰ 17'44	12 ⁰ Y47	2 ⁰ 53	18 ⁰ 36	19 ⁰ 6	17 ⁰ 49	24 ⁰ 36	8 ⁰ 50	21 ⁰ 35	24 ⁰ 12	14 ⁰ 57	15 ⁰ 9	6 ⁰ 32	3 ⁰ 36	S 10
M 11	19 17 44	19 ⁰ 14'57	26 ⁰ 33	4 ⁰ 44	19 ⁰ 48	19 ⁰ 34	18 ⁰ 3	24 ⁰ 43	8 ⁰ 49	21 ⁰ 38	24 ⁰ 12	14 ⁰ 57	15 ⁰ 6	6 ⁰ 38	3 ⁰ 34	M 11
T 12	19 21 41	20 ⁰ 12'10	10 ⁰ 39	6 ⁰ 39	21 ⁰ 0	20 ⁰ 3	18 ⁰ 16	24 ⁰ 50	8 ⁰ 49	21 ⁰ 40	24 ⁰ 11	14 ⁰ 56	15 ⁰ 2	6 ⁰ 45	3 ⁰ 32	T 12
W 13	19 25 37	21 ⁰ 9'24	25 ⁰ 3	8 ⁰ 36	22 ⁰ 12	20 ⁰ 32	18 ⁰ 30	24 ⁰ 58	8 ⁰ 49	21 ⁰ 42	24 ⁰ 11	14 ⁰ 54	14 ⁰ 59	6 ⁰ 52	3 ⁰ 30	W 13
T 14	19 29 34	22 ⁰ 6'39	9 ⁰ II44	10 ⁰ 36	23 ⁰ 24	21 ⁰ 1	18 ⁰ 43	25 ⁰ 5	8 ⁰ 49	21 ⁰ 44	24 ⁰ 10	14 ⁰ 48	14 ⁰ 56	6 ⁰ 58	3 ⁰ 28	T 14
F 15	19 33 30	23 ⁰ 3'54	24 ⁰ 35	12 ⁰ 37	24 ⁰ 36	21 ⁰ 30	18 ⁰ 57	25 ⁰ 12	8 ⁰ 48	21 ⁰ 46	24 ⁰ 10	14 ⁰ 40	14 ⁰ 53	7 ⁰ 5	3 ⁰ 26	F 15
S 16	19 37 27	24 ⁰ 1'10	9 ⁰ 529	14 ⁰ 41	25 ⁰ 48	22 ⁰ 0	19 ⁰ 10	25 ⁰ 19	8 ⁰ 48	21 ⁰ 48	24 ⁰ 9	14 ⁰ 30	14 ⁰ 50	7 ⁰ 12	3 ⁰ 24	S 16
S 17	19 41 24	24 ⁰ 58'26	24 ⁰ 18	16 ⁰ 46	27 ⁰ 0	22 ⁰ 30	19 ⁰ 24	25 ⁰ 27	8 ⁰ D48	21 ⁰ 49	24 ⁰ 9	14 ⁰ 19	14 ⁰ 47	7 ⁰ 19	3 ⁰ 22	S 17
M 18	19 45 20	25 ⁰ 55'43	8 ⁰ 52	18 ⁰ 52	28 ⁰ 11	23 ⁰ 0	19 ⁰ 37	25 ⁰ 34	8 ⁰ 48	21 ⁰ 51	24 ⁰ 8	14 ⁰ 9	14 ⁰ 43	7 ⁰ 25	3 ⁰ 20	M 18
T 19	19 49 17	26 ⁰ 53'00	23 ⁰ 6	21 ⁰ 0	29 ⁰ 23	23 ⁰ 31	19 ⁰ 51	25 ⁰ 41	8 ⁰ 49	21 ⁰ 53	24 ⁰ 8	13 ⁰ 59	14 ⁰ 40	7 ⁰ 32	3 ⁰ 18	T 19
W 20	19 53 13	27 ⁰ 50'16	6 ⁰ II54	23 ⁰ 7	0 ⁰ III35	24 ⁰ 1	20 ⁰ 4	25 ⁰ 48	8 ⁰ 49	21 ⁰ 55	24 ⁰ 7	13 ⁰ 52	14 ⁰ 37	7 ⁰ 39	3 ⁰ 15	W 20
T 21	19 57 10	28 ⁰ 47'34	20 ⁰ 14	25 ⁰ 16	1 ⁰ 46	24 ⁰ 32	20 ⁰ 18	25 ⁰ 55	8 ⁰ 49	21 ⁰ 57	24 ⁰ 7	13 ⁰ 48	14 ⁰ 34	7 ⁰ 45	3 ⁰ 13	T 21
F 22	20 1 6	29 ⁰ 44'51	3 ⁰ 5	27 ⁰ 24	2 ⁰ 58	25 ⁰ 4	20 ⁰ 31	26 ⁰ 2	8 ⁰ 49	21 ⁰ 59	24 ⁰ 6	13 ⁰ 46	14 ⁰ 31	7 ⁰ 52	3 ⁰ 11	F 22
S 23	20 5 3	0 ⁰ 42'09	15 ⁰ 41	29 ⁰ 32	4 ⁰ 9	25 ⁰ 35	20 ⁰ 45	26 ⁰ 9	8 ⁰ 49	22 ⁰ 1	24 ⁰ 5	13 ⁰ D46	14 ⁰ 28	7 ⁰ 59	3 ⁰ 8	S 23
S 24	20 8 59	1 ⁰ 39'27	27 ⁰ 55	1 ⁰ 39	5 ⁰ 21	26 ⁰ 7	20 ⁰ 58	26 ⁰ 16	8 ⁰ 50	22 ⁰ 3	24 ⁰ 5	13 ⁰ R46	14 ⁰ 24	8 ⁰ 5	3 ⁰ 6	S 24
M 25	20 12 56	2 ⁰ 36'45	9 ⁰ M55	3 ⁰ 46	6 ⁰ 32	26 ⁰ 39	21 ⁰ 11	26 ⁰ 23	8 ⁰ 50	22 ⁰ 4	24 ⁰ 4	13 ⁰ 46	14 ⁰ 21	8 ⁰ 12	3 ⁰ 4	M 25
T 26	20 16 53	3 ⁰ 34'04	21 ⁰ 48	5 ⁰ 51	7 ⁰ 43	27 ⁰ 11	21 ⁰ 25	26 ⁰ 29	8 ⁰ 51	22 ⁰ 6	24 ⁰ 3	13 ⁰ 44	14 ⁰ 18	8 ⁰ 19	3 ⁰ 1	T 26
W 27	20 20 49	4 ⁰ 31'23	3 ⁰ 38	7 ⁰ 56	8 ⁰ 55	27 ⁰ 43	21 ⁰ 38	26 ⁰ 36	8 ⁰ 51	22 ⁰ 8	24 ⁰ 3	13 ⁰ 41	14 ⁰ 15	8 ⁰ 26	2 ⁰ 59	W 27
T 28	20 24 46	5 ⁰ 28'43	15 ⁰ 31	10 ⁰ 0	10 ⁰ 6	28 ⁰ 16	21 ⁰ 52	26 ⁰ 43	8 ⁰ 52	22 ⁰ 10	24 ⁰ 2	13 ⁰ 34	14 ⁰ 12	8 ⁰ 32	2 ⁰ 56	T 28
F 29	20 28 42	6 ⁰ 26'03	27 ⁰ 28	12 ⁰ 2	11 ⁰ 17	28 ⁰ 48	22 ⁰ 5	26 ⁰ 49	8 ⁰ 52	22 ⁰ 11	24 ⁰ 1	13 ⁰ 26	14 ⁰ 8	8 ⁰ 39	2 ⁰ 53	F 29
S 30	20 32 39	7 ⁰ 23'24	9 ⁰ 35	14 ⁰ 3	12 ⁰ 28	29 ⁰ 21	22 ⁰ 18	26 ⁰ 56	8 ⁰ 53	22 ⁰ 13	24 ⁰ 0	13 ⁰ 16	14 ⁰ 5	8 ⁰ 46	2 ⁰ 51	S 30
S 31	20 36 35	8 ⁰ 20'46	21 ⁰ 52	16 ⁰ 2	13 ⁰ III39	29 ⁰ 54	22 ⁰ 31	27 ⁰ II 3	8 ⁰ M54	22 ⁰ II15	24 ⁰ K 0	13 ⁰ Y 4	14 ⁰ Y 2	8 ⁰ 52	2 ⁰ K48	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
F 1	23n 5	27s25	4s27	20n38	2s19	19n58	1n42	6s12	0s17	22n37	0n 7	22n 4	1s12	14s 4	0n26	21n48	1s21	16s18	15s18	6n22	6n 9	25s 6	4s20	6n11
S 2	23 0	28 15	4 50	20 57	2 7	19 39	1 42	6 23	0 19	22 35	0 7	22 5	1 12	14 3	0 26	21 49	1 21	16 18	15 18	6 18	6 8	25 8	4 20	6 11
S 3	22 56	27 45	4 59	21 15	1 55	19 20	1 43	6 34	0 20	22 34	0 7	22 5	1 12	14 3	0 26	21 49	1 21	16 18	15 18	6 13	6 6	25 9	4 20	6 12
M 4	22 50	25 54	4 55	21 32	1 42	19 0	1 43	6 45	0 21	22 32	0 7	22 5	1 12	14 3	0 26	21 49	1 21	16 19	15 19	6 7	6 5	25 11	4 20	6 12
T 5	22 45	22 47	4 38	21 49	1 30	18 40	1 43	6 57	0 22	22 30	0 7	22 6	1 12	14 3	0 26	21 49	1 21	16 19	15 19	6 3	6 4	25 13	4 21	6 12
W 6	22 39	18 35	4 6	22 5	1 17	18 19	1 43	7 8	0 24	22 29	0 7	22 6	1 12	14 3	0 26	21 49	1 21	16 20	15 20	5 59	6 3	25 15	4 21	6 12
T 7	22 32	13 29	3 22	22 20	1 5	17 58	1 42	7 20	0 25	22 27	0 7	22 6	1 12	14 3	0 26	21 49	1 21	16 20	15 20	5 56	6 2	25 16	4 21	6 13
F 8	22 26	7 44	2 26	22 34	0 52	17 36	1 42	7 31	0 26	22 26	0 7	22 7	1 12	14 2	0 26	21 49	1 21	16 21	15 20	5 54	6 0	25 18	4 22	6 13
S 9	22 19	1 32	1 22	22 46	0 39	17 14	1 42	7 43	0 27	22 24	0 7	22 7	1 12	14 2	0 25	21 49	1 21	16 21	15 21	5 54	5 59	25 20	4 22	6 13
S 10	22 11	4n52	0 12	22 57	0 27	16 51	1 42	7 55	0 28	22 22	0 7	22 7	1 12	14 2	0 25	21 49	1 21	16 21	15 21	5 53	5 58	25 21	4 23	6 13
M 11	22 3	11 11	1n 1	23 6	0 15	16 28	1 41	8 6	0 29	22 21	0 8	22 8	1 12	14 2	0 25	21 50	1 21	16 22	15 21	5 53	5 57	25 23	4 23	6 14
T 12	21 55	17 6	2 11	23 13	0 3	16 5	1 41	8 18	0 31	22 19	0 8	22 8	1 12	14 2	0 25	21 50	1 21	16 22	15 22	5 53	5 55	25 25	4 24	6 14
W 13	21 46	22 10	3 15	23 18	0n 9	15 41	1 40	8 30	0 32	22 17	0 8	22 8	1 12	14 2	0 25	21 50	1 21	16 23	15 22	5 52	5 54	25 27	4 24	6 14
T 14	21 37	25 58	4 7	23 20	0 20	15 17	1 39	8 42	0 33	22 15	0 8	22 9	1 12	14 2	0 25	21 50	1 21	16 23	15 22	5 50	5 53	25 28	4 25	6 14
F 15	21 28	28 2	4 43	23 20	0 30	14 52	1 38	8 54	0 34	22 14	0 8	22 9	1 12	14 2	0 25	21 50	1 21	16 24	15 23	5 47	5 52	25 30	4 25	6 15
S 16	21 18	28 4	5 0	23 18	0 41	14 27	1 38	9 6	0 35	22 12	0 8	22 9	1 12	14 2	0 25	21 50	1 21	16 24	15 23	5 43	5 51	25 32	4 26	6 15
S 17	21 8	26 6	4 56	23 13	0 50	14 1	1 37	9 19	0 36	22 10	0 8	22 10	1 12	14 2	0 25	21 50	1 21	16 25	15 23	5 39	5 49	25 33	4 26	6 15
M 18	20 57	22 26	4 33	23 5	0 59	13 36	1 36	9 31	0 37	22 8	0 8	22 10	1 12	14 2	0 25	21 50	1 21	16 25	15 24	5 35	5 48	25 35	4 27	6 15
T 19	20 47	17 30	3 54	22 54	1 7	13 10	1 34	9 43	0 38	22 6	0 8	22 10	1 12	14 2	0 25	21 50	1 21	16 26	15 24	5 31	5 47	25 37	4 27	6 15
W 20	20 35	11 48	3 2	22 41	1 15	12 43	1 33	9 55	0 39	22 4	0 8	22 10	1 12	14 2	0 25	21 51	1 21	16 26	15 24	5 28	5 46	25 38	4 28	6 15
T 21	20 24	5 44	2 1	22 25	1 21	12 16	1 32	10 8	0 40	22 2	0 9	22 11	1 12	14 2	0 25	21 51	1 21	16 27	15 25	5 27	5 44	25 40	4 29	6 16
F 22	20 12	0s24	0 56	22 6	1 27	11 49	1 31	10 20	0 41	22 1	0 9	22 11	1 12	14 2	0 25	21 51	1 21	16 27	15 25	5 26	5 43	25 42	4 29	6 16
S 23	20 0	6 20	0s10	21 45	1 32	11 22	1 29	10 32	0 42	21 59	0 9	22 11	1 12	14 2	0 25	21 51	1 21	16 28	15 25	5 26	5 42	25 43	4 30	6 16
S 24	19 47	11 53	1 14	21 21	1 37	10 54	1 28	10 45	0 43	21 57	0 9	22 11	1 12	14 3	0 25	21 51	1 21	16 29	15 26	5 26	5 41	25 45	4 31	6 16
M 25	19 34	16 55	2 14	20 56	1 40	10 27	1 26	10 57	0 44	21 55	0 9	22 11	1 12	14 3	0 25	21 51	1 21	16 29	15 26	5 26	5 39	25 46	4 31	6 16
T 26	19 21	21 14	3 8	20 28	1 43	9 58	1 24	11 10	0 45	21 53	0 9	22 12	1 12	14 3	0 25	21 51	1 21	16 30	15 26	5 25	5 38	25 48	4 32	6 16
W 27	19 8	24 41	3 52	19 58	1 45	9 30	1 23	11 22	0 46	21 51	0 9	22 12	1 12	14 3	0 25	21 51	1 21	16 30	15 26	5 24	5 37	25 50	4 33	6 17
T 28	18 54	27 5	4 27	19 27	1 46	9 1	1 21	11 35	0 47	21 49	0 9	22 12	1 12	14 3	0 25	21 51	1 21	16 31	15 27	5 21	5 36	25 51	4 34	6 17
F 29	18 40	28 16	4 51	18 54	1 47	8 33	1 19	11 47	0 48	21 47	0 9	22 12	1 12	14 4	0 25	21 51	1 21	16 31	15 27	5 18	5 35	25 53	4 34	6 17
S 30	18 25	28 6	5 2	18 19	1 47	8 4	1 17	12 0	0 48	21 45	0 9	22 12	1 12	14 4	0 25	21 51	1 21	16 32	15 27	5 14	5 33	25 54	4 35	6 17
S 31	18n10	26s35	4s59	17n43	1n46	7n34	1n15	12s12	0s49	21n43	0n10	22n12	1s12	14s 4	0n25	21n51	1s21	16s32	15s28	5n10	5n32	25s56	4s36	6n17

ASTRODIENST EPHEMERIS for the year 2061
geocentric

AUGUST 2061

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 40 32	9♌18°08'	4♋21	18♌0	14♍50	0♍28	22♎45	27♏9	8♍54	22♏17	23♏59	12♏53	13♏59	8♏59	2♏46	M 1	
T 2	20 44 28	10°15'31"	17°2'	19°56'	16°1'	1°1'	22°58'	27°15'	8°55'	22°18'	23♏58	12♏43	13°56'	9°6'	2♏43	T 2	
W 3	20 48 25	11°12'54"	29°55'	21°51'	17°12'	1°35'	23°11'	27°22'	8°56'	22°20'	23°57'	12°34'	13°53'	9°12'	2°40'	W 3	
T 4	20 52 22	12°10'19"	13♋0	23°44'	18°23'	2°9'	23°24'	27°28'	8°57'	22°21'	23°56'	12°28'	13°49'	9°19'	2°38'	T 4	
F 5	20 56 18	13°7'45"	26°16'	25°36'	19°34'	2°43'	23°37'	27°34'	8°58'	22°23'	23°56'	12°25'	13°46'	9°26'	2°35'	F 5	
S 6	21 0 15	14°5'12"	9♏44	27°26'	20°45'	3°17'	23°50'	27°41'	8°59'	22°25'	23°55'	12°D24	13°43'	9°33'	2°32'	S 6	
S 7	21 4 11	15°2'40"	23°22'	29°14'	21°55'	3°52'	24°3'	27°47'	9°0'	22°26'	23°54'	12°24'	13°40'	9°39'	2°29'	S 7	
M 8	21 8 8	16°0'09"	7♏13	1♏1	23°6'	4°26'	24°16'	27°53'	9°1'	22°28'	23°53'	12°25'	13°37'	9°46'	2°26'	M 8	
T 9	21 12 4	16°57'40"	21°15'	2°46'	24°16'	5°1'	24°29'	27°59'	9°2'	22°29'	23°52'	12°R25	13°33'	9°53'	2°24'	T 9	
W10	21 16 1	17°55'13"	5♏28	4°30'	25°27'	5°36'	24°42'	28°5'	9°4'	22°30'	23°51'	12°24'	13°30'	9°59'	2°21'	W10	
T 11	21 19 57	18°52'46"	19°51'	6°12'	26°37'	6°11'	24°55'	28°11'	9°5'	22°32'	23°50'	12°20'	13°27'	10°6'	2°18'	T 11	
F 12	21 23 54	19°50'22"	4♏20	7°52'	27°48'	6°47'	25°8'	28°17'	9°6'	22°33'	23°49'	12°15'	13°24'	10°13'	2°15'	F 12	
S 13	21 27 51	20°47'58"	18°49'	9°31'	28°58'	7°22'	25°21'	28°22'	9°8'	22°35'	23°48'	12°8'	13°21'	10°19'	2°12'	S 13	
S 14	21 31 47	21°45'36"	3♏14	11°9'	0♏8	7°58'	25°34'	28°28'	9°9'	22°36'	23°47'	12°0'	13°18'	10°26'	2°9'	S 14	
M15	21 35 44	22°43'15"	17°27'	12°45'	1°18'	8°34'	25°46'	28°34'	9°10'	22°37'	23°46'	11°52'	13°14'	10°33'	2°6'	M15	
T 16	21 39 40	23°40'55"	1♏24	14°20'	2°28'	9°10'	25°59'	28°39'	9°12'	22°39'	23°45'	11°45'	13°11'	10°40'	2°3'	T 16	
W17	21 43 37	24°38'37"	15°1'	15°52'	3°38'	9°46'	26°12'	28°45'	9°14'	22°40'	23°44'	11°41'	13°8'	10°46'	2°0'	W17	
T 18	21 47 33	25°36'19"	28°15'	17°24'	4°48'	10°23'	26°24'	28°50'	9°15'	22°41'	23°43'	11°38'	13°5'	10°53'	1°57'	T 18	
F 19	21 51 30	26°34'03"	11♏7	18°54'	5°58'	10°59'	26°37'	28°56'	9°17'	22°42'	23°42'	11°D37	13°2'	11°0'	1°54'	F 19	
S 20	21 55 26	27°31'48"	23°38'	20°22'	7°8'	11°36'	26°49'	29°1'	9°19'	22°44'	23°41'	11°37'	12°59'	11°6'	1°51'	S 20	
S 21	21 59 23	28°29'34"	5♏53	21°49'	8°18'	12°13'	27°2'	29°6'	9°20'	22°45'	23°40'	11°39'	12°55'	11°13'	1°48'	S 21	
M22	22 3 20	29°27'21"	17°55'	23°14'	9°27'	12°50'	27°14'	29°11'	9°22'	22°46'	23°39'	11°40'	12°52'	11°20'	1°45'	M22	
T 23	22 7 16	0♏25'09"	29°49'	24°38'	10°37'	13°27'	27°26'	29°17'	9°24'	22°47'	23°38'	11°R41	12°49'	11°26'	1°42'	T 23	
W24	22 11 13	1°22'59"	11♏41	26°0'	11°46'	14°4'	27°39'	29°22'	9°26'	22°48'	23°37'	11°40'	12°46'	11°33'	1°40'	W24	
T 25	22 15 9	2°20'49"	23°35'	27°21'	12°56'	14°42'	27°51'	29°26'	9°28'	22°49'	23°35'	11°38'	12°43'	11°40'	1°37'	T 25	
F 26	22 19 6	3°18'41"	5♏35	28°40'	14°5'	15°19'	28°3'	29°31'	9°30'	22°50'	23°34'	11°34'	12°39'	11°47'	1°34'	F 26	
S 27	22 23 2	4°16'35"	17°47'	29°57'	15°14'	15°57'	28°15'	29°36'	9°32'	22°51'	23°33'	11°29'	12°36'	11°53'	1°31'	S 27	
S 28	22 26 59	5°14'29"	0♏11	1♏12	16°23'	16°35'	28°27'	29°41'	9°34'	22°52'	23°32'	11°23'	12°33'	12°0'	1°28'	S 28	
M29	22 30 55	6°12'25"	12°51'	2°25'	17°32'	17°13'	28°39'	29°45'	9°36'	22°53'	23°31'	11°17'	12°30'	12°7'	1°25'	M29	
T 30	22 34 52	7°10'22"	25°48'	3°37'	18°41'	17°51'	28°51'	29°50'	9°38'	22°54'	23°30'	11°11'	12°27'	12°13'	1°22'	T 30	
W31	22 38 49	8♏8'21"	9♏1	4♏46	19♏50	18♏29	29°3'	29♏54	9♏40	22♏55	23♏29	11♏7	12♏24	12♏20	1♏19	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	decl lat	decl lat	decl lat
M 1	17n55	23s44	4s42	17n 6	1n45	7n 5	1n12	12s25	0s50	21n40	0n10	22n12	1s12	14s 4	0n25	21n52	1s21
T 2	17 40	19 42	4 11	16 27	1 43	6 35	1 10	12 37	0 51	21 38	0 10	22 13	1 12	14 5	0 25	21 52	1 21
W 3	17 24	14 43	3 26	15 48	1 40	6 6	1 8	12 50	0 52	21 36	0 10	22 13	1 12	14 5	0 25	21 52	1 21
T 4	17 9	8 59	2 30	15 8	1 37	5 36	1 5	13 2	0 53	21 34	0 10	22 13	1 12	14 5	0 25	21 52	1 21
F 5	16 52	2 47	1 25	14 27	1 34	5 6	1 3	13 15	0 53	21 32	0 10	22 13	1 12	14 6	0 25	21 52	1 21
S 6	16 36	3n38	0 14	13 46	1 30	4 36	1 0	13 27	0 54	21 30	0 10	22 13	1 12	14 6	0 25	21 52	1 21
S 7	16 19	9 59	0n58	13 4	1 25	4 5	0 58	13 40	0 55	21 28	0 10	22 13	1 12	14 6	0 25	21 52	1 21
M 8	16 2	15 57	2 9	12 22	1 20	3 35	0 55	13 52	0 56	21 26	0 10	22 13	1 12	14 7	0 25	21 52	1 21
T 9	15 45	21 10	3 13	11 39	1 15	3 4	0 52	14 5	0 57	21 23	0 10	22 13	1 12	14 7	0 25	21 52	1 21
W10	15 27	25 14	4 5	10 56	1 9	2 34	0 49	14 17	0 57	21 21	0 11	22 13	1 12	14 8	0 24	21 52	1 21
T 11	15 10	27 45	4 43	10 13	1 3	2 3	0 46	14 30	0 58	21 19	0 11	22 13	1 12	14 8	0 24	21 52	1 21
F 12	14 52	28 25	5 3	9 29	0 57	1 33	0 43	14 42	0 59	21 17	0 11	22 14	1 12	14 8	0 24	21 52	1 21
S 13	14 33	27 8	5 4	8 46	0 50	1 2	0 40	14 54	0 59	21 15	0 11	22 14	1 12	14 9	0 24	21 52	1 21
S 14	14 15	24 4	4 46	8 3	0 43	0 31	0 37	15 7	1 0	21 12	0 11	22 14	1 12	14 9	0 24	21 52	1 21
M15	13 56	19 34	4 10	7 19	0 36	0 0	0 34	15 19	1 1	21 10	0 11	22 14	1 12	14 10	0 24	21 52	1 22
T 16	13 37	14 5	3 19	6 36	0 28	0s31	0 31	15 31	1 2	21 8	0 11	22 14	1 12	14 10	0 24	21 52	1 22
W17	13 18	8 2	2 19	5 53	0 20	1 2	0 27	15 43	1 2	21 6	0 11	22 14	1 12	14 11	0 24	21 52	1 22
T 18	12 59	1 48	1 12	5 10	0 12	1 33	0 24	15 56	1 3	21 3	0 11	22 14	1 12	14 11	0 24	21 52	1 22
F 19	12 39	4s21	0 3	4 27	0 4	2 3	0 21	16 8	1 4	21 1	0 12	22 14	1 12	14 12	0 24	21 52	1 22
S 20	12 20	10 11	1s 5	3 45	0s 4	2 34	0 17	16 20	1 4	20 59	0 12	22 14	1 12	14 13	0 24	21 52	1 22
S 21	12 0	15 29	2 8	3 3	0 13	3 5	0 13	16 32	1 5	20 56	0 12	22 14	1 12	14 13	0 24	21 52	1 22
M22	11 40	20 6	3 4	2 21	0 21	3 36	0 10	16 44	1 5	20 54	0 12	22 14	1 12	14 14	0 24	21 53	1 22
T 23	11 19	23 53	3 52	1 40	0 30	4 6	0 6	16 55	1 6	20 52	0 12	22 14	1 12	14 14	0 24	21 53	1 22
W24	10 59	26 37	4 29	0 59	0 39	4 37	0 2	17 7	1 7	20 50	0 12	22 14	1 12	14 15	0 24	21 53	1 22
T 25	10 38	28 12	4 55	0 19	0 48	5 8	0s 1	17 19	1 7	20 47	0 12	22 14	1 12	14 16	0 24	21 53	1 22
F 26	10 17	28 27	5 9	0s20	0 57	5 38	0 5	17 30	1 8	20 45	0 12	22 14	1 12	14 16	0 24	21 53	1 22
S 27	9 56	27 21	5 8	0 59	1 6	6 8	0 9	17 42	1 8	20 43	0 12	22 14	1 12	14 17	0 24	21 53	1 22
S 28	9 35	24 53	4 54	1 38	1 16	6 39	0 13	17 54	1 9	20 40	0 13	22 14	1 12	14 18	0 24	21 53	1 22
M29	9 14	21 11	4 25	2 16	1 25	7 9	0 17	18 5	1 10	20 38	0 13	22 14	1 12	14 18	0 24	21 53	1 22
T 30	8 53	16 23	3 42	2 52	1 34	7 39	0 21	18 16	1 10	20 36	0 13	22 14	1 12	14 19	0 24	21 53	1 22
W31	8n31	10s45	2s46	3s29	1s43	8s 9	0s25	18s27	1s11	20n33	0n13	22n14	1s12	14s20	0n24	21n53	1s22

Julian Day Number = 2474037.5, Delta T = 78.15 sec
Ecliptic obliquity = 23°26'01, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°36'02, Lahiri = 24°43'03

ASTRODIENST EPHEMERIS for the year 2061
geocentric

SEPTEMBER 2061

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	22 42 45	9 ^h 6'21	22 ^h 28'	5 ^h 54'	20 ^h 59'	19 ^h 8'	29 ^h 15'	29 ^h 59'	9 ^h 43'	22 ^h 55'	23 ^h 27'	11 ^h 4'	12 ^h 20'	12 ^h 27'	1 ^h 16'	T 1
F 2	22 46 42	10° 4'23	6 ^h 9'	6° 59'	22° 7'	19° 46'	29° 26'	0 ^h 3'	9° 45'	22° 56'	23 ^h 26'	11° D 3'	12° 17'	12° 33'	1 ^h 13'	F 2
S 3	22 50 38	11° 2'27	20° 0'	8° 2'	23° 16'	20° 25'	29° 38'	0° 7'	9° 47'	22° 57'	23° 25'	11° 3'	12° 14'	12° 40'	1° 10'	S 3
S 4	22 54 35	12° 0'33	4 ^h 0'	9° 2'	24° 24'	21° 4'	29° 50'	0° 11'	9° 50'	22° 58'	23° 24'	11° 4'	12° 11'	12° 47'	1° 7'	S 4
M 5	22 58 31	12° 58'40	18° 5'	10° 0'	25° 32'	21° 43'	0 ^h 1'	0° 15'	9° 52'	22° 58'	23° 23'	11° 5'	12° 8'	12° 54'	1° 4'	M 5
T 6	23 2 28	13° 56'50	2 ^h 15'	10° 55'	26° 41'	22° 22'	0° 13'	0° 19'	9° 55'	22° 59'	23° 21'	11° 7'	12° 5'	13° 0'	1° 1'	T 6
W 7	23 6 24	14° 55'02	16° 27'	11° 47'	27° 49'	23° 1'	0° 24'	0° 23'	9° 57'	23° 0'	23° 20'	11° R 7'	12° 1'	13° 7'	0° 58'	W 7
T 8	23 10 21	15° 53'16	0 ^h 39'	12° 36'	28° 57'	23° 40'	0° 35'	0° 27'	10° 0'	23° 0'	23° 19'	11° 6'	11° 58'	13° 14'	0° 56'	T 8
F 9	23 14 18	16° 51'32	14° 49'	13° 22'	0 ^h 5'	24° 20'	0° 46'	0° 30'	10° 2'	23° 1'	23° 18'	11° 5'	11° 55'	13° 20'	0° 53'	F 9
S 10	23 18 14	17° 49'50	28° 54'	14° 4'	1° 12'	25° 0'	0° 58'	0° 34'	10° 5'	23° 1'	23° 17'	11° 2'	11° 52'	13° 27'	0° 50'	S 10
S 11	23 22 11	18° 48'09	12 ^h 51'	14° 42'	2° 20'	25° 39'	1° 9'	0° 37'	10° 7'	23° 2'	23° 15'	10° 59'	11° 49'	13° 34'	0° 47'	S 11
M12	23 26 7	19° 46'31	26° 37'	15° 17'	3° 27'	26° 19'	1° 20'	0° 41'	10° 10'	23° 2'	23° 14'	10° 56'	11° 45'	13° 41'	0° 44'	M12
T 13	23 30 4	20° 44'55	10 ^h 9'	15° 47'	4° 35'	26° 59'	1° 30'	0° 44'	10° 13'	23° 3'	23° 13'	10° 53'	11° 42'	13° 47'	0° 42'	T 13
W14	23 34 0	21° 43'20	23° 26'	16° 12'	5° 42'	27° 39'	1° 41'	0° 47'	10° 16'	23° 3'	23° 12'	10° 51'	11° 39'	13° 54'	0° 39'	W14
T 15	23 37 57	22° 41'48	6 ^h 25'	16° 32'	6° 49'	28° 19'	1° 52'	0° 50'	10° 18'	23° 4'	23° 10'	10° D50	11° 36'	14° 1'	0° 36'	T 15
F 16	23 41 53	23° 40'17	19° 8'	16° 47'	7° 56'	29° 0'	2° 2'	0° 53'	10° 21'	23° 4'	23° 9'	10° 51'	11° 33'	14° 7'	0° 33'	F 16
S 17	23 45 50	24° 38'48	1 ^h 34'	16° 56'	9° 3'	29° 40'	2° 13'	0° 56'	10° 24'	23° 4'	23° 8'	10° 51'	11° 30'	14° 14'	0° 31'	S 17
S 18	23 49 47	25° 37'21	13° 46'	16° R59	10° 10'	0 ^h 21'	2° 23'	0° 59'	10° 27'	23° 5'	23° 7'	10° 53'	11° 26'	14° 21'	0° 28'	S 18
M19	23 53 43	26° 35'55	25° 48'	16° 56'	11° 16'	1° 2'	2° 34'	1° 2'	10° 30'	23° 5'	23° 6'	10° 54'	11° 23'	14° 27'	0° 26'	M19
T 20	23 57 40	27° 34'31	7 ^h 42'	16° 46'	12° 23'	1° 42'	2° 44'	1° 4'	10° 33'	23° 5'	23° 4'	10° 55'	11° 20'	14° 34'	0° 23'	T 20
W21	0 1 36	28° 33'09	19° 34'	16° 29'	13° 29'	2° 23'	2° 54'	1° 7'	10° 36'	23° 5'	23° 3'	10° 56'	11° 17'	14° 41'	0° 21'	W21
T 22	0 5 33	29° 31'49	1 ^h 28'	16° 5'	14° 35'	3° 4'	3° 4'	1° 9'	10° 39'	23° 5'	23° 2'	10° R56	11° 14'	14° 48'	0° 18'	T 22
F 23	0 9 29	0 ^h 30'30	13° 28'	15° 34'	15° 41'	3° 45'	3° 14'	1° 11'	10° 42'	23° 5'	23° 1'	10° 56'	11° 11'	14° 54'	0° 16'	F 23
S 24	0 13 26	1° 29'13	25° 40'	14° 55'	16° 46'	4° 27'	3° 24'	1° 13'	10° 45'	23° 5'	23° 0'	10° 55'	11° 7'	15° 1'	0° 13'	S 24
S 25	0 17 22	2° 27'57	8 ^h 7'	14° 10'	17° 52'	5° 8'	3° 34'	1° 15'	10° 48'	23° 5'	22° 58'	10° 54'	11° 4'	15° 8'	0° 11'	S 25
M26	0 21 19	3° 26'44	20° 52'	13° 19'	18° 57'	5° 50'	3° 43'	1° 17'	10° 51'	23° R 5'	22° 57'	10° 53'	11° 1'	15° 14'	0° 9'	M26
T 27	0 25 16	4° 25'32	3 ^h 58'	12° 21'	20° 2'	6° 31'	3° 53'	1° 19'	10° 55'	23° 5'	22° 56'	10° 52'	10° 58'	15° 21'	0° 6'	T 27
W28	0 29 12	5° 24'22	17° 25'	11° 20'	21° 7'	7° 13'	4° 2'	1° 21'	10° 58'	23° 5'	22° 55'	10° 51'	10° 55'	15° 28'	0° 4'	W28
T 29	0 33 9	6° 23'13	1 ^h 12'	10° 14'	22° 12'	7° 54'	4° 11'	1° 23'	11° 1'	23° 5'	22° 54'	10° 51'	10° 51'	15° 35'	0° 2'	T 29
F 30	0 37 5	7 ^h 22'07	15° 18'	9 ^h 7'	23 ^h 17'	8 ^h 36'	4 ^h 21'	1 ^h 24'	11 ^h 4'	23 ^h 5'	22 ^h 52'	10° D51	10° 48'	15 ^h 41'	29 ^h 59'	F 30

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
T 1	8n 9	4s31	1s40	4s 4	1s53	8s38	0s29	18s39	1s11	20n31	0n13	22n14	1s12	14s21	0n24	21n53	1s22	16s51	15s34	4n23	4n53	26s42	5s 8	6n17
F 2	7 47	2n 2	0 27	4 38	2 2	9 8	0 34	18 50	1 12	20 29	0 13	22 14	1 12	14 21	0 24	21 53	1 22	16 52	15 34	4 22	4 51	26 44	5 9	6 17
S 3	7 25	8 34	0n49	5 11	2 11	9 37	0 38	19 0	1 12	20 26	0 13	22 14	1 13	14 22	0 24	21 53	1 22	16 52	15 34	4 22	4 50	26 45	5 11	6 17
S 4	7 3	14 46	2 2	5 43	2 20	10 6	0 42	19 11	1 13	20 24	0 13	22 13	1 13	14 23	0 24	21 53	1 22	16 53	15 34	4 23	4 49	26 46	5 12	6 17
M 5	6 41	20 14	3 9	6 14	2 29	10 35	0 46	19 22	1 13	20 22	0 14	22 13	1 13	14 24	0 24	21 53	1 22	16 53	15 34	4 23	4 48	26 48	5 13	6 17
T 6	6 19	24 36	4 5	6 44	2 38	11 4	0 50	19 33	1 14	20 19	0 14	22 13	1 13	14 24	0 24	21 53	1 22	16 54	15 35	4 24	4 46	26 49	5 14	6 17
W 7	5 56	27 29	4 45	7 13	2 46	11 33	0 55	19 43	1 14	20 17	0 14	22 13	1 13	14 25	0 24	21 53	1 22	16 55	15 35	4 24	4 45	26 50	5 15	6 16
T 8	5 34	28 35	5 9	7 39	2 55	12 1	0 59	19 53	1 15	20 15	0 14	22 13	1 13	14 26	0 24	21 53	1 22	16 55	15 35	4 24	4 44	26 52	5 16	6 16
F 9	5 11	27 48	5 13	8 5	3 3	12 29	1 3	20 4	1 15	20 12	0 14	22 13	1 13	14 27	0 24	21 53	1 22	16 56	15 35	4 23	4 43	26 53	5 17	6 16
S 10	4 49	25 15	4 59	8 29	3 11	12 57	1 8	20 14	1 15	20 10	0 14	22 13	1 13	14 28	0 24	21 53	1 22	16 56	15 35	4 22	4 41	26 54	5 19	6 16
S 11	4 26	21 13	4 27	8 50	3 18	13 25	1 12	20 24	1 16	20 8	0 14	22 13	1 13	14 29	0 24	21 53	1 23	16 57	15 35	4 21	4 40	26 55	5 20	6 16
M12	4 3	16 5	3 40	9 10	3 25	13 52	1 17	20 34	1 16	20 6	0 14	22 13	1 13	14 29	0 24	21 53	1 23	16 57	15 35	4 19	4 39	26 57	5 21	6 16
T 13	3 40	10 15	2 41	9 28	3 32	14 19	1 21	20 43	1 17	20 3	0 15	22 13	1 13	14 30	0 24	21 53	1 23	16 58	15 35	4 18	4 38	26 58	5 22	6 15
W14	3 17	4 3	1 35	9 43	3 38	14 46	1 25	20 53	1 17	20 1	0 15	22 13	1 13	14 31	0 24	21 53	1 23	16 58	15 35	4 18	4 36	26 59	5 23	6 15
T 15	2 54	2s11	0 24	9 56	3 44	15 12	1 30	21 3	1 18	19 59	0 15	22 13	1 13	14 32	0 24	21 53	1 23	16 59	15 35	4 17	4 35	27 0	5 24	6 15
F 16	2 31	8 12	0s46	10 7	3 48	15 38	1 34	21 12	1 18	19 57	0 15	22 13	1 13	14 33	0 23	21 53	1 23	16 59	15 35	4 17	4 34	27 2	5 25	6 15
S 17	2 8	13 46	1 52	10 14	3 53	16 4	1 39	21 21	1 18	19 54	0 15	22 13	1 13	14 34	0 23	21 53	1 23	17 0	15 35	4 18	4 33	27 3	5 26	6 15
S 18	1 44	18 42	2 52	10 18	3 56	16 30	1 43	21 30	1 19	19 52	0 15	22 13	1 13	14 35	0 23	21 52	1 23	17 0	15 35	4 18	4 31	27 4	5 28	6 14
M19	1 21	22 49	3 44	10 19	3 58	16 55	1 48	21 39	1 19	19 50	0 15	22 13	1 13	14 36	0 23	21 52	1 23	17 1	15 35	4 19	4 30	27 5	5 29	6 14
T 20	0 58	25 57	4 25	10 16	3 59	17 20	1 52	21 48	1 19	19 48	0 15	22 13	1 13	14 37	0 23	21 52	1 23	17 1	15 35	4 19	4 29	27 6	5 30	6 14
W21	0 35	27 55	4 55	10 9	3 58	17 44	1 57	21 56	1 20	19 45	0 16	22 12	1 13	14 38	0 23	21 52	1 23	17 2	15 35	4 19	4 28	27 8	5 31	6 14
T 22	0 11	28 38	5 12	9 58	3 57	18 8	2 1	22 5	1 20	19 43	0 16	22 12	1 13	14 39	0 23	21 52	1 23	17 2	15 35	4 20	4 26	27 9	5 32	6 13
F 23	0s12	28 0	5 16	9 43	3 53	18 32	2 5	22 13	1 20	19 41	0 16	22 12	1 13	14 40	0 23	21 52	1 23	17 3	15 35	4 19	4 25	27 10	5 33	6 13
S 24	0 35	26 1	5 6	9 23	3 49	18 55	2 10	22 21	1 21	19 39	0 16	22 12	1 13	14 41	0 23	21 52	1 23	17 3	15 35	4 19	4 24	27 11	5 34	6 13
S 25	0 59	22 46	4 42	9 0	3 42	19 18	2 14	22 29	1 21	19 37	0 16	22 12	1 14	14 42	0 23	21 52	1 23	17 4	15 35	4 19	4 23	27 12	5 35	6 13
M26	1 22	18 22	4 3	8 32	3 33	19 40	2 19	22 36	1 21	19 35	0 16	22 12	1 14	14 43	0 23	21 52	1 23	17 4	15 35	4 18	4 22	27 13	5 36	6 12
T 27	1 46	13 1	3 10	7 59	3 23	20 2	2 23	22 44	1 22	19 33	0 16	22 12	1 14	14 44	0 23	21 52	1 23	17 4	15 35	4 18	4 20	27 15	5 37	6 12
W28	2 9	6 55	2 6	7 24	3 10	20 24	2 27	22 51	1 22	19 31	0 17	22 12	1 14	14 45	0 23	21 52	1 23	17 5	15 35	4 18	4 19	27 16	5 38	6 12
T 29	2 32	0 20	0 53	6 45	2 56	20 45	2 31	22 58	1 22	19 29	0 17	22 12	1 14	14 46	0 23	21 52	1 23	17 5	15 35	4 18	4 18	27 17	5 39	6 12
F 30	2s55	6n24	0n25	6s 4	2s40	21s 6	2s36	23s 5	1s22	19n26	0n17	22n12	1s14	14s47	0n23	21n52	1s23	17s 6	15s35	4n18	4n17	27s18	5s40	6n11

ASTRODIENST EPHEMERIS for the year 2061
geocentric

OCTOBER 2061

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	0 41 2	8♌21'03	29♊36	7°R59	24♋21	9♌18	4♎30	1♏25	11♐ 8	23°R 5	22°R51	10♊51	10♊45	15♌48	29°R57	S 1
S 2	0 44 58	9°20'01	14♋ 4	6♌53	25°25	10° 0	4°39	1°27	11°11	23♋ 5	22♋50	10°51	10°42	15°55	29♌55	S 2
M 3	0 48 55	10°19'01	28°35	5°49	26°29	10°43	4°47	1°28	11°14	23° 5	22°49	10°51	10°39	16° 1	29°53	M 3
T 4	0 52 51	11°18'04	13♋ 4	4°51	27°33	11°25	4°56	1°29	11°18	23° 4	22°48	10°R51	10°36	16° 8	29°51	T 4
W 5	0 56 48	12°17'08	27°26	3°59	28°36	12° 7	5° 5	1°30	11°21	23° 4	22°47	10°51	10°32	16°15	29°49	W 5
T 6	1 0 44	13°16'16	11♌39	3°15	29°39	12°50	5°13	1°31	11°24	23° 4	22°45	10°D51	10°29	16°22	29°47	T 6
F 7	1 4 41	14°15'25	25°40	2°40	0♌42	13°32	5°22	1°32	11°28	23° 3	22°44	10°51	10°26	16°28	29°46	F 7
S 8	1 8 38	15°14'37	9♎28	2°15	1°45	14°15	5°30	1°32	11°31	23° 3	22°43	10°52	10°23	16°35	29°44	S 8
S 9	1 12 34	16°13'51	23° 2	2° 1	2°47	14°58	5°38	1°33	11°35	23° 2	22°42	10°52	10°20	16°42	29°42	S 9
M10	1 16 31	17°13'08	6♎23	1°D57	3°49	15°40	5°46	1°33	11°38	23° 2	22°41	10°53	10°16	16°48	29°40	M10
T 11	1 20 27	18°12'26	19°29	2° 4	4°51	16°23	5°54	1°34	11°42	23° 2	22°40	10°53	10°13	16°55	29°39	T 11
W12	1 24 24	19°11'47	2♌22	2°22	5°52	17° 6	6° 1	1°34	11°45	23° 1	22°39	10°54	10°10	17° 2	29°37	W12
T 13	1 28 20	20°11'10	15° 3	2°50	6°54	17°49	6° 9	1°R34	11°49	23° 0	22°38	10°R54	10° 7	17° 8	29°35	T 13
F 14	1 32 17	21°10'34	27°31	3°27	7°55	18°33	6°16	1°34	11°52	23° 0	22°37	10°53	10° 4	17°15	29°34	F 14
S 15	1 36 13	22°10'01	9♎47	4°13	8°55	19°16	6°23	1°34	11°56	22°59	22°36	10°52	10° 1	17°22	29°32	S 15
S 16	1 40 10	23° 9'30	21°54	5° 7	9°55	19°59	6°31	1°34	12° 0	22°59	22°35	10°51	9°57	17°29	29°31	S 16
M17	1 44 7	24° 9'01	3♌53	6° 8	10°55	20°43	6°38	1°33	12° 3	22°58	22°34	10°49	9°54	17°35	29°30	M17
T 18	1 48 3	25° 8'34	15°46	7°15	11°55	21°26	6°44	1°33	12° 7	22°57	22°33	10°47	9°51	17°42	29°28	T 18
W19	1 52 0	26° 8'08	27°37	8°29	12°54	22°10	6°51	1°32	12°10	22°56	22°32	10°45	9°48	17°49	29°27	W19
T 20	1 55 56	27° 7'45	9♌39	9°47	13°52	22°54	6°58	1°32	12°14	22°56	22°31	10°43	9°45	17°55	29°26	T 20
F 21	1 59 53	28° 7'23	21°27	11° 9	14°51	23°38	7° 4	1°31	12°18	22°55	22°30	10°42	9°42	18° 2	29°25	F 21
S 22	2 3 49	29° 7'03	3♌36	12°35	15°49	24°22	7°10	1°30	12°21	22°54	22°29	10°D42	9°38	18° 9	29°24	S 22
S 23	2 7 46	0♎ 6'44	15°59	14° 4	16°46	25° 5	7°16	1°29	12°25	22°53	22°28	10°43	9°35	18°16	29°23	S 23
M24	2 11 42	1° 6'27	28°41	15°35	17°43	25°50	7°22	1°28	12°29	22°52	22°27	10°44	9°32	18°22	29°22	M24
T 25	2 15 39	2° 6'12	11♋47	17° 8	18°39	26°34	7°28	1°26	12°32	22°51	22°26	10°46	9°29	18°29	29°21	T 25
W26	2 19 36	3° 5'58	25°18	18°43	19°35	27°18	7°33	1°25	12°36	22°50	22°25	10°47	9°26	18°36	29°20	W26
T 27	2 23 32	4° 5'47	9♊14	20°20	20°31	28° 2	7°39	1°24	12°40	22°49	22°24	10°R48	9°22	18°42	29°19	T 27
F 28	2 27 29	5° 5'37	23°35	21°57	21°25	28°46	7°44	1°22	12°44	22°48	22°23	10°47	9°19	18°49	29°18	F 28
S 29	2 31 25	6° 5'29	8♋16	23°35	22°20	29°31	7°49	1°20	12°47	22°47	22°23	10°45	9°16	18°56	29°18	S 29
S 30	2 35 22	7° 5'23	23°10	25°14	23°13	0♌15	7°54	1°19	12°51	22°46	22°22	10°42	9°13	19° 3	29°17	S 30
M31	2 39 18	8♎ 5'19	8♋ 9	26°53	24°♌ 6	1♌ 0	7♎59	1♏17	12♐55	22♋45	22♋21	10♊39	9♊10	19♌ 9	29♌17	M31

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	decl	decl	decl	decl	lat	decl	decl	decl	decl	lat
S 1	3s19	12n55	1n42	5s21	2s23	21s26	2s40	23s12	1s23	19n24	0n17	22n12	1s14	14s48	0n23	21n52	1s23	17s 6	15s35	4n18	4n15	27s19	5s41	6n11										
S 2	3 42	18 49	2 54	4 37	2 4	21 46	2 44	23 19	1 23	19 22	0 17	22 12	1 14	14 49	0 23	21 52	1 23	17 6	15 35	4 18	4 14	27 20	5 42	6 11										
M 3	4 5	23 39	3 55	3 54	1 44	22 5	2 48	23 25	1 23	19 21	0 17	22 12	1 14	14 50	0 23	21 52	1 23	17 7	15 34	4 18	4 13	27 21	5 43	6 10										
T 4	4 28	27 0	4 41	3 13	1 24	22 24	2 52	23 31	1 23	19 19	0 17	22 12	1 14	14 51	0 23	21 52	1 23	17 7	15 34	4 18	4 12	27 22	5 44	6 10										
W 5	4 51	28 33	5 8	2 33	1 3	22 42	2 56	23 37	1 23	19 17	0 18	22 12	1 14	14 52	0 23	21 52	1 23	17 8	15 34	4 18	4 10	27 23	5 45	6 10										
T 6	5 14	28 11	5 17	1 57	0 43	23 0	3 0	23 43	1 24	19 15	0 18	22 11	1 14	14 53	0 23	21 52	1 24	17 8	15 34	4 18	4 9	27 24	5 46	6 9										
F 7	5 37	26 1	5 7	1 25	0 23	23 17	3 4	23 48	1 24	19 13	0 18	22 11	1 14	14 54	0 23	21 52	1 24	17 8	15 34	4 18	4 8	27 26	5 47	6 9										
S 8	6 0	22 21	4 38	0 58	0 4	23 34	3 8	23 54	1 24	19 11	0 18	22 11	1 14	14 55	0 23	21 52	1 24	17 9	15 34	4 18	4 7	27 27	5 48	6 9										
S 9	6 23	17 32	3 55	0 35	0n14	23 51	3 12	23 59	1 24	19 9	0 18	22 11	1 14	14 56	0 23	21 52	1 24	17 9	15 34	4 18	4 5	27 28	5 49	6 8										
M10	6 46	11 57	3 0	0 18	0 31	24 6	3 15	24 4	1 24	19 7	0 18	22 11	1 14	14 57	0 23	21 51	1 24	17 9	15 34	4 18	4 4	27 29	5 50	6 8										
T 11	7 8	5 56	1 56	0 7	0 47	24 22	3 19	24 8	1 25	19 6	0 18	22 11	1 14	14 58	0 23	21 51	1 24	17 10	15 34	4 18	4 3	27 30	5 51	6 8										
W12	7 31	0s13	0 47	0 1	1 1	24 36	3 23	24 13	1 25	19 4	0 19	22 11	1 14	15 0	0 23	21 51	1 24	17 10	15 33	4 19	4 2	27 31	5 52	6 7										
T 13	7 53	6 17	0s23	0 0	1 13	24 50	3 26	24 17	1 25	19 2	0 19	22 11	1 14	15 1	0 23	21 51	1 24	17 10	15 33	4 19	4 0	27 32	5 53	6 7										
F 14	8 16	12 0	1 31	0 5	1 24	25 4	3 29	24 21	1 25	19 0	0 19	22 11	1 14	15 2	0 23	21 51	1 24	17 10	15 33	4 19	3 59	27 33	5 54	6 7										
S 15	8 38	17 10	2 33	0 14	1 34	25 17	3 33	24 25	1 25	18 59	0 19	22 11	1 14	15 3	0 23	21 51	1 24	17 11	15 33	4 18	3 58	27 34	5 54	6 6										
S 16	9 0	21 35	3 28	0 28	1 42	25 29	3 36	24 28	1 25	18 57	0 19	22 11	1 15	15 4	0 23	21 51	1 24	17 11	15 33	4 17	3 57	27 35	5 55	6 6										
M17	9 22	25 3	4 13	0 46	1 48	25 41	3 39	24 32	1 25	18 56	0 19	22 11	1 15	15 5	0 23	21 51	1 24	17 11	15 33	4 17	3 55	27 36	5 56	6 6										
T 18	9 44	27 25	4 46	1 8	1 54	25 53	3 42	24 35	1 25	18 54	0 20	22 11	1 15	15 6	0 23	21 51	1 24	17 11	15 32	4 16	3 54	27 37	5 57	6 5										
W19	10 5	28 32	5 7	1 33	1 58	26 3	3 45	24 37	1 25	18 52	0 20	22 11	1 15	15 7	0 23	21 51	1 24	17 12	15 32	4 15	3 53	27 38	5 58	6 5										
T 20	10 27	28 20	5 15	2 1	2 1	26 14	3 48	24 40	1 26	18 51	0 20	22 11	1 15	15 8	0 23	21 51	1 24	17 12	15 32	4 14	3 52	27 39	5 58	6 4										
F 21	10 48	26 49	5 10	2 32	2 2	26 23	3 50	24 42	1 26	18 50	0 20	22 11	1 15	15 10	0 23	21 51	1 24	17 12	15 32	4 14	3 50	27 40	5 59	6 4										
S 22	11 9	24 3	4 51	3 5	2 3	26 32	3 53	24 44	1 26	18 48	0 20	22 11	1 15	15 11	0 23	21 51	1 24	17 12	15 32	4 14	3 49	27 41	6 0	6 4										
S 23	11 31	20 8	4 18	3 39	2 3	26 41	3 55	24 46	1 26	18 47	0 20	22 11	1 15	15 12	0 23	21 51	1 24	17 13	15 32	4 14	3 48	27 41	6 0	6 3										
M24	11 51	15 14	3 31	4 15	2 2	26 49	3 58	24 48	1 26	18 45	0 21	22 11	1 15	15 13	0 23	21 50	1 24	17 13	15 31	4 15	3 47	27 42	6 1	6 3										
T 25	12 12	9 30	2 33	4 53	2 0	26 56	4 0	24 49	1 26	18 44	0 21	22 11	1 15	15 14	0 23	21 50	1 24	17 13	15 31	4 15	3 45	27 43	6 2	6 3										
W26	12 33	3 10	1 24	5 31	1 58	27 3	4 2	24 50	1 26	18 43	0 21	22 11	1 15	15 15	0 23	21 50	1 24	17 13	15 31	4 16	3 44	27 44	6 3	6 2										
T 27	12 53	3n32	0 9	6 10	1 55	27 9	4 4	24 51	1 26	18 42	0 21	22 11	1 15	15 16	0 23	21 50	1 24	17 13	15 31	4 16	3 43	27 45	6 3	6 2										
F 28	13 13	10 14	1n10	6 50	1 51	27 15	4 6	24 51	1 26	18 40	0 21	22 11	1 15	15 18	0 23	21 50	1 24	17 13	15 30	4 16	3 42	27 46	6 4	6 1										
S 29	13 33	16 33	2 25	7 30	1 47	27 20	4 7	24 52	1 26	18 39	0 21	22 11	1 15	15 19	0 23	21 50	1 24	17 13	15 30	4 15	3 40	27 47	6 4	6 1										
S 30	13 53	21 59	3 32	8 10	1 43	27 24	4 9	24 52	1 26	18 38	0 22	22 11	1 15	15 20	0 23	21 50	1 24	17 14	15 30	4 14	3 39	27 48	6 5	6 1										
M31	14s12	26n 0	4n24	8s50	1n38	27s28	4s10	24s52	1s26	18n37	0n22	22n11	1s15	15s21	0n23	21n50	1s24	17s14	15s30	4n13	3n38	27s49	6s 6	6n 0										

ASTRODIENST EPHEMERIS for the year 2061
geocentric

NOVEMBER 2061

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 43 15	9♉ 5'17	23♊ 4	28♋ 32	24♌ 59	1♍ 44	8♎ 4	1°R15	12♏ 59	22°R44	22°R20	10°R35	9♐ 7	19♑ 16	29°R16	T 1
W 2	2 47 11	10° 5'17	7♋ 47	0♌ 11	25°51	2°29	8° 8	1♎ 13	13° 2	22♐ 43	22♐ 19	10°Y31	9° 3	19°23	29°R16	W 2
T 3	2 51 8	11° 5'20	22°12	1°51	26°42	3°14	8°12	1°11	13° 6	22°42	22°19	10°28	9° 0	19°29	29°15	T 3
F 4	2 55 5	12° 5'24	6♌ 17	3°30	27°32	3°59	8°16	1° 8	13°10	22°41	22°18	10°D27	8°57	19°36	29°15	F 4
S 5	2 59 1	13° 5'31	20° 0	5° 9	28°22	4°44	8°20	1° 6	13°14	22°39	22°17	10°27	8°54	19°43	29°15	S 5
S 6	3 2 58	14° 5'40	3♍ 22	6°48	29°11	5°29	8°24	1° 3	13°17	22°38	22°17	10°28	8°51	19°50	29°14	S 6
M 7	3 6 54	15° 5'51	16°25	8°27	29°59	6°14	8°27	1° 1	13°21	22°37	22°16	10°30	8°48	19°56	29°14	M 7
T 8	3 10 51	16° 6'03	29°12	10° 5	0♎ 46	6°59	8°31	0°58	13°25	22°36	22°15	10°31	8°44	20° 3	29°14	T 8
W 9	3 14 47	17° 6'18	11♏ 45	11°43	1°32	7°44	8°34	0°55	13°29	22°34	22°15	10°R32	8°41	20°10	29°D14	W 9
T 10	3 18 44	18° 6'35	24° 7	13°21	2°18	8°29	8°37	0°52	13°32	22°33	22°14	10°31	8°38	20°16	29°14	T 10
F 11	3 22 40	19° 6'53	6♐ 20	14°59	3° 2	9°14	8°40	0°50	13°36	22°32	22°13	10°28	8°35	20°23	29°14	F 11
S 12	3 26 37	20° 7'14	18°26	16°36	3°46	10° 0	8°42	0°46	13°40	22°30	22°13	10°23	8°32	20°30	29°15	S 12
S 13	3 30 34	21° 7'36	0♐ 25	18°13	4°28	10°45	8°45	0°43	13°44	22°29	22°12	10°16	8°28	20°37	29°15	S 13
M14	3 34 30	22° 7'59	12°20	19°49	5°10	11°31	8°47	0°40	13°47	22°28	22°12	10° 8	8°25	20°43	29°15	M14
T 15	3 38 27	23° 8'25	24°12	21°26	5°50	12°16	8°49	0°37	13°51	22°26	22°11	9°59	8°22	20°50	29°16	T 15
W16	3 42 23	24° 8'52	6♑ 3	23° 2	6°29	13° 2	8°51	0°33	13°55	22°25	22°11	9°51	8°19	20°57	29°16	W16
T 17	3 46 20	25° 9'20	17°55	24°37	7° 7	13°48	8°53	0°30	13°59	22°23	22°10	9°44	8°16	21° 4	29°16	T 17
F 18	3 50 16	26° 9'50	29°52	26°13	7°44	14°33	8°54	0°26	14° 2	22°22	22°10	9°38	8°13	21°10	29°17	F 18
S 19	3 54 13	27°10'21	11♑ 57	27°48	8°20	15°19	8°55	0°23	14° 6	22°20	22°10	9°35	8° 9	21°17	29°18	S 19
S 20	3 58 9	28°10'53	24°16	29°23	8°54	16° 5	8°56	0°19	14°10	22°19	22° 9	9°D33	8° 6	21°24	29°18	S 20
M21	4 2 6	29°11'26	6♒ 51	0♐ 57	9°26	16°51	8°57	0°15	14°13	22°17	22° 9	9°34	8° 3	21°30	29°19	M21
T 22	4 6 3	0♐ 12'01	19°49	2°32	9°57	17°37	8°58	0°11	14°17	22°16	22° 9	9°35	8° 0	21°37	29°20	T 22
W23	4 9 59	1°12'36	3♑ 13	4° 6	10°27	18°23	8°58	0° 7	14°21	22°14	22° 8	9°R36	7°57	21°44	29°21	W23
T 24	4 13 56	2°13'13	17° 6	5°40	10°55	19° 9	8°59	0° 3	14°24	22°13	22° 8	9°36	7°54	21°51	29°22	T 24
F 25	4 17 52	3°13'51	1♒ 27	7°14	11°21	19°55	8°R59	29°II59	14°28	22°11	22° 8	9°34	7°50	21°57	29°23	F 25
S 26	4 21 49	4°14'30	16°15	8°48	11°46	20°41	8°59	29°55	14°31	22° 9	22° 7	9°29	7°47	22° 4	29°24	S 26
S 27	4 25 45	5°15'11	1♒ 22	10°22	12° 8	21°27	8°58	29°51	14°35	22° 8	22° 7	9°22	7°44	22°11	29°25	S 27
M28	4 29 42	6°15'53	16°40	11°55	12°29	22°13	8°58	29°47	14°39	22° 6	22° 7	9°14	7°41	22°17	29°26	M28
T 29	4 33 39	7°16'37	1♑ 56	13°29	12°48	22°59	8°57	29°42	14°42	22° 5	22° 7	9° 5	7°38	22°24	29°27	T 29
W30	4 37 35	8°17'21	17♑ 1	15° 2	13♑ 5	23♑ 45	8°L56	29°II38	14°M46	22°II 3	22°II 7	8°Y56	7°Y34	22°X31	29°X28	W30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s31	28n13	4n58	9s30	1n33	27s31	4s11	24s51	1s26	18n36	0n22	22n11	1s15	15s22	0n23	21n50	1s24	17s14	15s30	4n11	3n37	27s50	6s 6	6n 0	
W 2	14 50	28 24	5 12	10 10	1 27	27 34	4 12	24 50	1 26	18 35	0 22	22 11	1 15	15 23	0 23	21 50	1 24	17 14	15 29	4 10	3 35	27 50	6 7	5 59	
T 3	15 9	26 38	5 6	10 50	1 22	27 36	4 13	24 49	1 26	18 34	0 22	22 11	1 15	15 24	0 23	21 50	1 24	17 14	15 29	4 9	3 34	27 51	6 7	5 59	
F 4	15 28	23 14	4 42	11 29	1 16	27 38	4 14	24 48	1 26	18 33	0 23	22 11	1 15	15 26	0 23	21 50	1 24	17 14	15 29	4 8	3 33	27 52	6 8	5 59	
S 5	15 46	18 38	4 1	12 8	1 10	27 39	4 14	24 46	1 26	18 32	0 23	22 11	1 15	15 27	0 23	21 49	1 24	17 14	15 29	4 8	3 32	27 53	6 8	5 58	
S 6	16 4	13 12	3 9	12 47	1 3	27 40	4 14	24 45	1 25	18 32	0 23	22 11	1 15	15 28	0 23	21 49	1 25	17 14	15 28	4 9	3 30	27 54	6 9	5 58	
M 7	16 22	7 19	2 8	13 25	0 57	27 40	4 14	24 43	1 25	18 31	0 23	22 11	1 15	15 29	0 23	21 49	1 25	17 14	15 28	4 9	3 29	27 55	6 9	5 57	
T 8	16 39	1 16	1 1	14 2	0 50	27 40	4 14	24 40	1 25	18 30	0 23	22 11	1 15	15 30	0 23	21 49	1 25	17 14	15 28	4 10	3 28	27 55	6 9	5 57	
W 9	16 56	4s45	0s 7	14 39	0 44	27 39	4 13	24 38	1 25	18 30	0 23	22 11	1 15	15 31	0 23	21 49	1 25	17 14	15 27	4 10	3 27	27 56	6 10	5 56	
T 10	17 13	10 29	1 13	15 15	0 37	27 38	4 13	24 35	1 25	18 29	0 24	22 11	1 15	15 32	0 23	21 49	1 25	17 14	15 27	4 10	3 25	27 57	6 10	5 56	
F 11	17 30	15 46	2 16	15 50	0 30	27 36	4 12	24 32	1 25	18 28	0 24	22 11	1 15	15 33	0 23	21 49	1 25	17 14	15 27	4 9	3 24	27 58	6 10	5 56	
S 12	17 46	20 22	3 11	16 25	0 24	27 33	4 11	24 28	1 25	18 28	0 24	22 11	1 15	15 35	0 23	21 49	1 25	17 14	15 27	4 7	3 23	27 58	6 11	5 55	
S 13	18 2	24 6	3 57	16 59	0 17	27 31	4 9	24 24	1 25	18 27	0 24	22 11	1 15	15 36	0 23	21 49	1 25	17 14	15 26	4 4	3 22	27 59	6 11	5 55	
M14	18 18	26 46	4 33	17 32	0 10	27 27	4 8	24 20	1 25	18 27	0 24	22 11	1 15	15 37	0 23	21 49	1 25	17 14	15 26	4 1	3 20	28 0	6 11	5 54	
T 15	18 33	28 14	4 56	18 4	0 3	27 24	4 6	24 16	1 24	18 27	0 25	22 11	1 15	15 38	0 23	21 49	1 25	17 14	15 26	3 57	3 19	28 1	6 12	5 54	
W16	18 48	28 24	5 7	18 35	0s 4	27 19	4 3	24 12	1 24	18 26	0 25	22 11	1 15	15 39	0 23	21 48	1 25	17 14	15 25	3 54	3 18	28 1	6 12	5 54	
T 17	19 3	27 16	5 5	19 5	0 10	27 15	4 1	24 7	1 24	18 26	0 25	22 11	1 15	15 40	0 23	21 48	1 25	17 14	15 25	3 51	3 17	28 2	6 12	5 53	
F 18	19 17	24 53	4 49	19 34	0 17	27 10	3 58	24 2	1 24	18 26	0 25	22 11	1 15	15 41	0 23	21 48	1 25	17 14	15 25	3 49	3 15	28 3	6 12	5 53	
S 19	19 31	21 22	4 20	20 3	0 23	27 5	3 55	23 57	1 24	18 26	0 25	22 11	1 15	15 42	0 23	21 48	1 25	17 13	15 25	3 48	3 14	28 4	6 12	5 52	
S 20	19 45	16 53	3 39	20 30	0 30	26 59	3 51	23 51	1 24	18 26	0 26	22 11	1 15	15 43	0 23	21 48	1 25	17 13	15 24	3 47	3 13	28 4	6 13	5 52	
M21	19 58	11 34	2 47	20 56	0 36	26 53	3 47	23 45	1 23	18 26	0 26	22 11	1 15	15 45	0 23	21 48	1 25	17 13	15 24	3 47	3 12	28 5	6 13	5 52	
T 22	20 11	5 38	1 44	21 22	0 43	26 46	3 43	23 39	1 23	18 26	0 26	22 11	1 15	15 46	0 23	21 48	1 25	17 13	15 24	3 48	3 10	28 6	6 13	5 51	
W23	20 24	0n45	0 34	21 46	0 49	26 39	3 39	23 33	1 23	18 26	0 26	22 11	1 15	15 47	0 23	21 48	1 25	17 13	15 23	3 48	3 9	28 6	6 13	5 51	
T 24	20 36	7 20	0n40	22 9	0 55	26 32	3 34	23 26	1 23	18 26	0 26	22 11	1 15	15 48	0 23	21 48	1 25	17 13	15 23	3 48	3 8	28 7	6 13	5 50	
F 25	20 48	13 46	1 54	22 31	1 1	26 25	3 29	23 19	1 23	18 26	0 26	22 11	1 15	15 49	0 23	21 48	1 25	17 12	15 23	3 47	3 7	28 8	6 13	5 50	
S 26	20 59	19 37	3 3	22 52	1 7	26 17	3 23	23 12	1 22	18 26	0 27	22 11	1 15	15 50	0 23	21 47	1 25	17 12	15 22	3 45	3 5	28 8	6 13	5 50	
S 27	21 10	24 21	4 1	23 12	1 13	26 9	3 17	23 5	1 22	18 27	0 27	22 11	1 15	15 51	0 23	21 47	1 25	17 12	15 22	3 43	3 4	28 9	6 13	5 49	
M28	21 21	27 26	4 41	23 30	1 18	26 0	3 10	22 57	1 22	18 27	0 27	22 11	1 15	15 52	0 23	21 47	1 25	17 12	15 22	3 39	3 3	28 10	6 13	5 49	
T 29	21 31	28 27	5 2	23 48	1 24	25 52	3 4	22 49	1 22	18 27	0 27	22 11	1 15	15 53	0 23	21 47	1 25	17 12	15 21	3 36	3 2	28 10	6 13	5 48	
W30	21s41	27n20	5n 1	24s 4	1s29	25s43	2s56	22s41	1s21	18n28	0n27	22n11	1s15	15s54	0n23	21n47	1s25	17s11	15s21	3n32	3n 0	28s11	6s13	5n48	

ASTRODIENST EPHEMERIS for the year 2061
geocentric

DECEMBER 2061

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	4 41 32	9♈18'08	1♏45	16♊35	13♋20	24♌32	8♍55	29♎R33	14♏49	22♐R 1	22♑R 7	8♒R49	7♓31	22♈38	29♉30	T 1
F 2	4 45 28	10♈18'55	16° 3	18° 9	13°33	25°18	8♍54	29♎II29	14°53	22♐II 0	22♑II 6	8♒Y44	7°28	22°44	29°31	F 2
S 3	4 49 25	11°19'44	29°53	19°42	13°43	26° 4	8°52	29°24	14°56	21°58	22° 6	8°41	7°25	22°51	29°33	S 3
S 4	4 53 21	12°20'35	13♏15	21°15	13°51	26°51	8°51	29°20	15° 0	21°56	22° 6	8°D41	7°22	22°58	29°34	S 4
M 5	4 57 18	13°21'26	26°13	22°48	13°57	27°37	8°49	29°15	15° 3	21°55	22° 6	8°41	7°19	23° 4	29°36	M 5
T 6	5 1 14	14°22'20	8♋51	24°21	14° 1	28°24	8°47	29°10	15° 6	21°53	22°D 6	8°R42	7°15	23°11	29°37	T 6
W 7	5 5 11	15°23'14	21°13	25°54	14°R 3	29°10	8°44	29° 6	15°10	21°51	22° 6	8°41	7°12	23°18	29°39	W 7
T 8	5 9 8	16°24'10	3♏23	27°26	14° 2	29°57	8°42	29° 1	15°13	21°50	22° 6	8°38	7° 9	23°25	29°41	T 8
F 9	5 13 4	17°25'07	15°25	28°59	13°58	0♋43	8°39	28°56	15°17	21°48	22° 6	8°32	7° 6	23°31	29°42	F 9
S 10	5 17 1	18°26'05	27°22	0♋32	13°52	1°30	8°36	28°51	15°20	21°46	22° 7	8°23	7° 3	23°38	29°44	S 10
S 11	5 20 57	19°27'04	9♈15	2° 4	13°44	2°17	8°33	28°47	15°23	21°45	22° 7	8°12	7° 0	23°45	29°46	S 11
M12	5 24 54	20°28'04	21° 7	3°36	13°33	3° 3	8°30	28°42	15°26	21°43	22° 7	7°58	6°56	23°51	29°48	M12
T 13	5 28 50	21°29'05	2♋59	5° 8	13°19	3°50	8°26	28°37	15°30	21°41	22° 7	7°44	6°53	23°58	29°50	T 13
W14	5 32 47	22°30'07	14°52	6°40	13° 4	4°37	8°23	28°32	15°33	21°39	22° 7	7°30	6°50	24° 5	29°52	W14
T 15	5 36 43	23°31'09	26°48	8°11	12°45	5°24	8°19	28°27	15°36	21°38	22° 7	7°17	6°47	24°12	29°54	T 15
F 16	5 40 40	24°32'12	8♋48	9°42	12°25	6°11	8°15	28°22	15°39	21°36	22° 8	7° 6	6°44	24°18	29°57	F 16
S 17	5 44 37	25°33'16	20°56	11°13	12° 2	6°57	8°11	28°17	15°42	21°34	22° 8	6°59	6°40	24°25	29°59	S 17
S 18	5 48 33	26°34'20	3♏14	12°43	11°37	7°44	8° 7	28°12	15°45	21°33	22° 8	6°54	6°37	24°32	0♈ 1	S 18
M19	5 52 30	27°35'24	15°46	14°12	11°10	8°31	8° 2	28° 7	15°48	21°31	22° 8	6°52	6°34	24°39	0° 3	M19
T 20	5 56 26	28°36'28	28°37	15°40	10°41	9°18	7°57	28° 2	15°51	21°29	22° 9	6°52	6°31	24°45	0° 6	T 20
W21	6 0 23	29°37'33	11♏51	17° 7	10°11	10° 5	7°52	27°57	15°54	21°28	22° 9	6°52	6°28	24°52	0° 8	W21
T 22	6 4 19	0♋38'38	25°32	18°32	9°38	10°52	7°47	27°52	15°57	21°26	22°10	6°51	6°25	24°59	0°11	T 22
F 23	6 8 16	1°39'43	9♋41	19°56	9° 5	11°39	7°42	27°47	16° 0	21°24	22°10	6°48	6°21	25° 5	0°13	F 23
S 24	6 12 12	2°40'49	24°19	21°18	8°30	12°26	7°37	27°43	16° 3	21°23	22°10	6°42	6°18	25°12	0°16	S 24
S 25	6 16 9	3°41'55	9♏20	22°38	7°55	13°13	7°31	27°38	16° 6	21°21	22°11	6°34	6°15	25°19	0°18	S 25
M26	6 20 6	4°43'01	24°37	23°55	7°19	14° 0	7°26	27°33	16° 9	21°19	22°11	6°23	6°12	25°26	0°21	M26
T 27	6 24 2	5°44'07	9♋59	25° 9	6°42	14°47	7°20	27°28	16°12	21°18	22°12	6°11	6° 9	25°32	0°24	T 27
W28	6 27 59	6°45'14	25°14	26°19	6° 5	15°34	7°14	27°23	16°14	21°16	22°12	6° 0	6° 6	25°39	0°26	W28
T 29	6 31 55	7°46'21	10♏12	27°25	5°29	16°21	7° 8	27°18	16°17	21°14	22°13	5°50	6° 2	25°46	0°29	T 29
F 30	6 35 52	8°47'29	24°43	28°26	4°52	17° 8	7° 2	27°13	16°20	21°13	22°14	5°43	5°59	25°52	0°32	F 30
S 31	6 39 48	9♋48'36	8♏45	29♋22	4♋17	17°55	6♏55	27♏ 9	16♏22	21♏11	22♏14	5♏Y38	5♏Y56	25♏59	0♈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
T 1	21s50	24n19	4n40	24s19	1s34	25s34	2s49	22s32	1s21	18n28	0n28	22n11	1s15	15s55
F 2	21 59	19 53	4 3	24 33	1 39	25 24	2 40	22 24	1 21	18 29	0 28	22 11	1 15	15 56
S 3	22 8	14 30	3 11	24 45	1 43	25 14	2 32	22 15	1 20	18 29	0 28	22 11	1 15	15 57
S 4	22 16	8 36	2 11	24 56	1 48	25 5	2 23	22 6	1 20	18 30	0 28	22 11	1 15	15 58
M 5	22 24	2 31	1 6	25 6	1 52	24 54	2 13	21 56	1 20	18 31	0 28	22 11	1 15	15 59
T 6	22 31	3s31	0s 1	25 14	1 56	24 44	2 3	21 47	1 20	18 31	0 29	22 11	1 15	16 0
W 7	22 38	9 18	1 6	25 21	1 59	24 33	1 52	21 37	1 19	18 32	0 29	22 11	1 15	16 1
T 8	22 44	14 38	2 7	25 27	2 3	24 22	1 41	21 27	1 19	18 33	0 29	22 11	1 14	16 2
F 9	22 50	19 21	3 2	25 31	2 6	24 11	1 30	21 16	1 19	18 34	0 29	22 11	1 14	16 3
S 10	22 56	23 16	3 48	25 34	2 8	24 0	1 18	21 6	1 18	18 35	0 29	22 11	1 14	16 4
S 11	23 1	26 10	4 23	25 36	2 11	23 48	1 5	20 55	1 18	18 36	0 30	22 11	1 14	16 5
M12	23 5	27 55	4 47	25 36	2 13	23 37	0 52	20 44	1 18	18 37	0 30	22 11	1 14	16 6
T 13	23 10	28 23	4 59	25 34	2 14	23 25	0 39	20 32	1 17	18 38	0 30	22 11	1 14	16 7
W14	23 13	27 32	4 58	25 31	2 15	23 13	0 25	20 21	1 17	18 39	0 30	22 11	1 14	16 8
T 15	23 17	25 25	4 43	25 27	2 16	23 0	0 11	20 9	1 16	18 40	0 30	22 12	1 14	16 9
F 16	23 19	22 10	4 16	25 21	2 16	22 48	0n 3	19 57	1 16	18 41	0 31	22 12	1 14	16 10
S 17	23 22	17 57	3 37	25 13	2 16	22 35	0 18	19 45	1 16	18 43	0 31	22 12	1 14	16 11
S 18	23 23	12 55	2 48	25 4	2 15	22 22	0 33	19 33	1 15	18 44	0 31	22 12	1 14	16 11
M19	23 25	7 17	1 49	24 54	2 14	22 9	0 49	19 20	1 15	18 45	0 31	22 12	1 14	16 12
T 20	23 26	1 13	0 43	24 42	2 12	21 56	1 4	19 7	1 14	18 47	0 31	22 12	1 14	16 13
W21	23 26	5n 5	0n26	24 29	2 10	21 43	1 20	18 54	1 14	18 48	0 32	22 12	1 13	16 14
T 22	23 26	11 22	1 37	24 14	2 7	21 30	1 36	18 41	1 14	18 50	0 32	22 12	1 13	16 15
F 23	23 25	17 18	2 44	23 59	2 3	21 16	1 51	18 28	1 13	18 51	0 32	22 12	1 13	16 16
S 24	23 24	22 26	3 42	23 41	1 58	21 3	2 7	18 14	1 13	18 53	0 32	22 12	1 13	16 17
S 25	23 23	26 14	4 27	23 23	1 53	20 50	2 22	18 0	1 12	18 54	0 32	22 12	1 13	16 17
M26	23 21	28 13	4 54	23 4	1 46	20 36	2 38	17 46	1 12	18 56	0 33	22 12	1 13	16 18
T 27	23 19	28 2	4 59	22 43	1 39	20 23	2 53	17 32	1 11	18 58	0 33	22 12	1 13	16 19
W28	23 16	25 43	4 43	22 22	1 31	20 10	3 8	17 18	1 11	18 59	0 33	22 12	1 13	16 20
T 29	23 12	21 40	4 8	22 0	1 22	19 57	3 22	17 3	1 10	19 1	0 33	22 12	1 12	16 21
F 30	23 9	16 23	3 18	21 38	1 11	19 45	3 36	16 49	1 10	19 3	0 33	22 12	1 12	16 21
S 31	23s 4	10n24	2n17	21s15	1s 0	19s33	3n49	16s34	1s10	19n 5	0n34	22n12	1s12	16s22

Julian Day Number = 2474159.5, Delta T = 78.26 sec
Ecliptic obliquity = 23°26'01, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°36'19, Lahiri = 24°43'20