



Astrodienst Ephemeris Tables for the year 2191

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 2191
geocentric

JANUARY 2191

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	6 42 48	10°30'37	20°27	4°29	9°45	10°49	12°R56	26°10	17°R31	2°V12	10°R13	1°R52	0°855	24°58	2°R 2	S 1
S 2	6 46 44	11°31'46	4°V 9	6° 3	11° 0	11°26	12°I50	26°16	17°830	2°13	10°I12	1°851	0°52	25° 5	1°I58	S 2
M 3	6 50 41	12°32'54	17°25	7°38	12°14	12° 2	12°44	26°21	17°29	2°14	10°10	1°D51	0°49	25°11	1°54	M 3
T 4	6 54 37	13°34'03	0°819	9°13	13°28	12°38	12°38	26°27	17°28	2°14	10° 9	1°R51	0°45	25°18	1°50	T 4
W 5	6 58 34	14°35'11	12°54	10°48	14°42	13°15	12°32	26°33	17°27	2°15	10° 8	1°50	0°42	25°25	1°46	W 5
T 6	7 2 30	15°36'19	25°14	12°24	15°57	13°51	12°26	26°38	17°26	2°16	10° 7	1°48	0°39	25°32	1°42	T 6
F 7	7 6 27	16°37'28	7°II25	14° 0	17°11	14°27	12°21	26°44	17°25	2°17	10° 6	1°43	0°36	25°38	1°38	F 7
S 8	7 10 24	17°38'36	19°27	15°36	18°25	15° 3	12°15	26°49	17°24	2°18	10° 4	1°35	0°33	25°45	1°34	S 8
S 9	7 14 20	18°39'43	1°825	17°12	19°39	15°40	12°10	26°54	17°23	2°19	10° 3	1°24	0°30	25°52	1°30	S 9
M10	7 18 17	19°40'51	13°20	18°49	20°53	16°16	12° 5	27° 0	17°23	2°20	10° 2	1°10	0°26	25°59	1°26	M10
T 11	7 22 13	20°41'58	25°13	20°27	22° 7	16°52	12° 0	27° 5	17°22	2°21	10° 1	0°56	0°23	26° 5	1°21	T 11
W12	7 26 10	21°43'06	7°II 6	22° 5	23°21	17°28	11°55	27°10	17°21	2°22	9°59	0°41	0°20	26°12	1°17	W12
T 13	7 30 6	22°44'13	18°59	23°43	24°35	18° 4	11°51	27°15	17°20	2°23	9°58	0°27	0°17	26°19	1°13	T 13
F 14	7 34 3	23°45'20	0°II55	25°22	25°49	18°40	11°47	27°20	17°20	2°24	9°57	0°15	0°14	26°25	1° 9	F 14
S 15	7 37 59	24°46'26	12°56	27° 1	27° 2	19°16	11°42	27°25	17°19	2°25	9°55	0° 6	0°10	26°32	1° 4	S 15
S 16	7 41 56	25°47'33	25° 4	28°40	28°16	19°52	11°38	27°30	17°19	2°26	9°54	0° 0	0° 7	26°39	1° 0	S 16
M17	7 45 53	26°48'39	7°II24	0°820	29°30	20°28	11°35	27°35	17°18	2°27	9°53	29°V57	0° 4	26°46	0°56	M17
T 18	7 49 49	27°49'46	19°59	2° 1	0°844	21° 4	11°31	27°39	17°18	2°28	9°51	29°56	0° 1	26°52	0°51	T 18
W19	7 53 46	28°50'52	2°II54	3°42	1°57	21°39	11°28	27°44	17°18	2°29	9°50	29°56	29°V58	26°59	0°47	W19
T 20	7 57 42	29°51'58	16°14	5°23	3°11	22°15	11°24	27°48	17°17	2°31	9°49	29°56	29°55	27° 6	0°42	T 20
F 21	8 1 39	0°53'04	0°8 2	7° 5	4°25	22°51	11°21	27°53	17°17	2°32	9°47	29°54	29°51	27°12	0°38	F 21
S 22	8 5 35	1°54'10	14°18	8°47	5°38	23°26	11°19	27°57	17°17	2°33	9°46	29°49	29°48	27°19	0°34	S 22
S 23	8 9 32	2°55'15	29° 3	10°30	6°52	24° 2	11°16	28° 2	17°17	2°35	9°45	29°42	29°45	27°26	0°29	S 23
M24	8 13 28	3°56'20	14°8 9	12°12	8° 5	24°38	11°14	28° 6	17°17	2°36	9°43	29°32	29°42	27°33	0°25	M24
T 25	8 17 25	4°57'25	29°29	13°55	9°19	25°13	11°11	28°10	17°D17	2°37	9°42	29°20	29°39	27°39	0°21	T 25
W26	8 21 22	5°58'29	14°850	15°38	10°32	25°49	11° 9	28°14	17°17	2°39	9°41	29° 8	29°36	27°46	0°16	W26
T 27	8 25 18	6°59'32	0°8 0	17°21	11°45	26°24	11° 7	28°18	17°17	2°40	9°39	28°58	29°32	27°53	0°12	T 27
F 28	8 29 15	8° 0'34	14°51	19° 4	12°58	27° 0	11° 6	28°22	17°17	2°42	9°38	28°50	29°29	28° 0	0° 8	F 28
S 29	8 33 11	9° 1'35	29°14	20°47	14°12	27°35	11° 4	28°26	17°17	2°43	9°36	28°44	29°26	28° 6	0° 3	S 29
S 30	8 37 8	10° 2'35	13°V 8	22°30	15°25	28°10	11° 3	28°30	17°17	2°45	9°35	28°41	29°23	28°13	29°59	S 30
M31	8 41 4	11° 3'33	26°V32	24°11	16°838	28°45	11°II 2	28°33	17°818	2°V46	9°I34	28°D41	29°V20	28°520	29°555	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
S 1	23s 0	6s52	3s21	24s31	1s11	19s29	1s45	14s 3	1n 3	21n41	0s39	17s16	2n 4	16n43	0s20	0s21	1s20	22n37	5n 9	12n 7	11n47	26n 9	12n15	7s37
S 2	22 55	0 31	2 21	24 33	1 16	19 9	1 46	14 15	1 3	21 41	0 39	17 17	2 4	16 43	0 20	0 21	1 20	22 37	5 9	12 6	11 46	26 8	12 16	7 38
M 3	22 50	5n40	1 16	24 33	1 21	18 48	1 46	14 26	1 3	21 40	0 38	17 18	2 5	16 43	0 20	0 21	1 20	22 38	5 9	12 6	11 45	26 7	12 16	7 38
T 4	22 44	11 27	0 8	24 32	1 26	18 27	1 46	14 38	1 2	21 39	0 38	17 19	2 5	16 42	0 20	0 20	1 20	22 38	5 9	12 6	11 44	26 5	12 17	7 38
W 5	22 37	16 37	0n58	24 29	1 31	18 5	1 46	14 49	1 2	21 39	0 38	17 20	2 5	16 42	0 20	0 20	1 20	22 39	5 9	12 6	11 42	26 4	12 17	7 38
T 6	22 30	21 0	2 1	24 25	1 36	17 43	1 46	15 0	1 2	21 38	0 38	17 22	2 5	16 42	0 20	0 20	1 20	22 39	5 9	12 5	11 41	26 3	12 18	7 39
F 7	22 23	24 25	2 56	24 20	1 40	17 21	1 45	15 11	1 1	21 38	0 38	17 23	2 5	16 42	0 20	0 19	1 20	22 40	5 9	12 4	11 40	26 2	12 19	7 39
S 8	22 15	26 43	3 43	24 13	1 44	16 58	1 45	15 22	1 1	21 37	0 37	17 24	2 5	16 41	0 20	0 19	1 20	22 40	5 10	12 1	11 39	26 1	12 19	7 39
S 9	22 7	27 45	4 20	24 5	1 47	16 34	1 45	15 33	1 1	21 37	0 37	17 25	2 5	16 41	0 20	0 18	1 20	22 41	5 10	11 57	11 38	25 59	12 20	7 39
M10	21 58	27 29	4 45	23 55	1 51	16 10	1 44	15 43	1 0	21 36	0 37	17 26	2 5	16 41	0 20	0 18	1 20	22 41	5 10	11 52	11 37	25 58	12 21	7 39
T 11	21 49	25 57	4 58	23 44	1 54	15 46	1 44	15 54	1 0	21 36	0 37	17 27	2 5	16 41	0 20	0 18	1 20	22 42	5 10	11 47	11 36	25 57	12 21	7 40
W12	21 40	23 16	4 57	23 32	1 57	15 21	1 43	16 4	1 0	21 36	0 37	17 28	2 6	16 41	0 20	0 17	1 20	22 42	5 10	11 42	11 35	25 56	12 22	7 40
T 13	21 30	19 37	4 44	23 18	1 59	14 55	1 42	16 15	0 59	21 35	0 36	17 29	2 6	16 40	0 20	0 17	1 20	22 42	5 10	11 37	11 34	25 54	12 23	7 40
F 14	21 20	15 9	4 18	23 2	2 1	14 30	1 41	16 25	0 59	21 35	0 36	17 30	2 6	16 40	0 20	0 16	1 20	22 43	5 10	11 33	11 32	25 53	12 24	7 40
S 15	21 9	10 6	3 41	22 45	2 3	14 4	1 41	16 35	0 59	21 35	0 36	17 31	2 6	16 40	0 20	0 16	1 20	22 43	5 10	11 30	11 31	25 52	12 25	7 40
S 16	20 58	4 36	2 53	22 26	2 4	13 37	1 40	16 45	0 58	21 34	0 36	17 32	2 6	16 40	0 20	0 15	1 20	22 44	5 11	11 28	11 30	25 51	12 25	7 40
M17	20 46	1s 9	1 56	22 6	2 5	13 10	1 39	16 55	0 58	21 34	0 35	17 33	2 6	16 40	0 20	0 15	1 20	22 44	5 11	11 27	11 29	25 49	12 26	7 40
T 18	20 35	7 0	0 52	21 44	2 6	12 43	1 37	17 5	0 57	21 34	0 35	17 34	2 6	16 40	0 20	0 14	1 20	22 45	5 11	11 26	11 28	25 48	12 27	7 40
W19	20 22	12 43	0s16	21 21	2 6	12 16	1 36	17 15	0 57	21 33	0 35	17 35	2 7	16 40	0 20	0 14	1 20	22 45	5 11	11 26	11 27	25 47	12 28	7 40
T 20	20 10	18 2	1 25	20 57	2 6	11 48	1 35	17 24	0 57	21 33	0 35	17 36	2 7	16 40	0 20	0 13	1 20	22 46	5 11	11 26	11 26	25 45	12 29	7 41
F 21	19 56	22 36	2 32	20 30	2 5	11 20	1 34	17 34	0 56	21 33	0 35	17 36	2 7	16 40	0 20	0 13	1 20	22 46	5 11	11 25	11 25	25 44	12 30	7 41
S 22	19 43	25 59	3 31	20 3	2 4	10 52	1 32	17 43	0 56	21 33	0 34	17 37	2 7	16 40	0 20	0 12	1 20	22 47	5 11	11 24	11 24	25 43	12 30	7 41
S 23	19 29	27 43	4 19	19 34	2 3	10 23	1 31	17 52	0 55	21 33	0 34	17 38	2 7	16 40	0 20	0 12	1 20	22 47	5 11	11 21	11 22	25 42	12 31	7 41
M24	19 15	27 28	4 49	19 3	2 1	9 54	1 29	18 1	0 55	21 33	0 34	17 39	2 7	16 40	0 20	0 11	1 20	22 48	5 11	11 18	11 21	25 40	12 32	7 40
T 25	19 1	25 8	5 0	18 31	1 58	9 25	1 27	18 10	0 54	21 33	0 34	17 40	2 7	16 40	0 20	0 11	1 20	22 48	5 11	11 14	11 20	25 39	12 33	7 40
W26	18 46	20 58	4 49	17 57	1 55	8 56	1 25	18 19	0 54	21 32	0 33	17 40	2 8	16 40	0 20	0 10	1 20	22 49	5 11	11 9	11 19	25 38	12 34	7 40
T 27	18 30	15 28	4 18	17 22	1 51	8 26	1 24	18 28	0 54	21 32	0 33	17 41	2 8	16 40	0 20	0 9	1 20	22 49	5 12	11 6	11 18	25 36	12 35	7 40
F 28	18 15	9 11	3 29	16 46	1 46	7 56	1 22	18 36	0 53	21 32	0 33	17 42	2 8	16 40	0 20	0 9	1 19	22 49	5 12	11 3	11 17	25 35	12 36	7 40
S 29	17 59	2 35	2 29	16 9	1 41	7 26	1 20	18 45	0 53	21 32	0 33	17 43	2 8	16 40	0 20	0 8	1 19	22 50	5 12	11 1	11 16	25 33	12 37	7 40
S 30	17 43	3n56	1 21	15 30	1 35	6 56	1 18	18 53	0 52	21 33	0 33	17 43	2 8	16 40	0 20	0 7	1 19	22 50	5 12	11 0	11 15	25 32	12 38	7 40
M31	17s26	10n 3	0s11	14s50	1s29	6s26	1s15	19s 1	0n52	21n33	0s32	17s44	2n 8	16n40	0s20	0s 7	1s19	22n51	5n12	11n 0	11n13	25n31	12n39	7s40

ASTRODIENST EPHEMERIS for the year 2191

geocentric

FEBRUARY 2191

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 45 1	12 ²⁸ 4'31	9 ⁸ 29	25 ⁵⁵ 22	17 ⁵¹ 51	29 ¹¹ 21	11°R 2	28 ¹¹ 37	17 ⁸ 18	2 ⁴⁸ 48	9°R32	28°R41	29 ¹⁶ 16	28 ²⁶ 26	29°R50	T 1
W 2	8 48 57	13° 5'27	22° 5	27°32	19° 4	29°56	11 ¹¹ 1	28°40	17°18	2°49	9°Ω31	28°Y40	29°13	28°33	29°Ω46	W 2
T 3	8 52 54	14° 6'23	4 ¹¹ 23	29°10	20°16	0 ³¹ 31	11° 1	28°44	17°19	2°51	9°30	28°39	29°10	28°40	29°42	T 3
F 4	8 56 51	15° 7'17	16°28	0 ⁴⁶ 46	21°29	1° 6	11°D 0	28°47	17°19	2°53	9°28	28°34	29° 7	28°47	29°38	F 4
S 5	9 0 47	16° 8'09	28°26	2°20	22°42	1°41	11° 0	28°50	17°20	2°54	9°27	28°27	29° 4	28°53	29°34	S 5
S 6	9 4 44	17° 9'01	10 ¹⁹ 19	3°52	23°55	2°16	11° 1	28°53	17°20	2°56	9°25	28°17	29° 1	29° 0	29°30	S 6
M 7	9 8 40	18° 9'51	22°10	5°19	25° 7	2°50	11° 1	28°56	17°21	2°58	9°24	28° 5	28°57	29° 7	29°26	M 7
T 8	9 12 37	19°10'40	4 ^Ω 3	6°43	26°20	3°25	11° 2	28°59	17°22	3° 0	9°23	27°52	28°54	29°14	29°22	T 8
W 9	9 16 33	20°11'28	15°58	8° 2	27°32	4° 0	11° 3	29° 2	17°23	3° 1	9°21	27°38	28°51	29°20	29°18	W 9
T 10	9 20 30	21°12'14	27°56	9°16	28°44	4°34	11° 4	29° 5	17°23	3° 3	9°20	27°26	28°48	29°27	29°14	T 10
F 11	9 24 26	22°13'00	10 ¹⁹ 0	10°24	29°56	5° 9	11° 5	29° 8	17°24	3° 5	9°19	27°15	28°45	29°34	29°10	F 11
S 12	9 28 23	23°13'44	22° 9	11°25	1°Y 8	5°44	11° 6	29°10	17°25	3° 7	9°17	27° 7	28°42	29°40	29° 6	S 12
S 13	9 32 20	24°14'27	4 ^Ω 27	12°18	2°21	6°18	11° 8	29°13	17°26	3° 9	9°16	27° 2	28°38	29°47	29° 2	S 13
M14	9 36 16	25°15'08	16°54	13° 3	3°32	6°52	11°10	29°15	17°27	3°10	9°15	26°59	28°35	29°54	28°58	M14
T 15	9 40 13	26°15'49	29°35	13°39	4°44	7°27	11°12	29°17	17°28	3°12	9°13	26°D59	28°32	0°Ω 1	28°55	T 15
W16	9 44 9	27°16'29	12 ¹¹ 32	14° 5	5°56	8° 1	11°14	29°20	17°29	3°14	9°12	26°59	28°29	0° 7	28°51	W16
T 17	9 48 6	28°17'07	25°48	14°21	7° 8	8°35	11°17	29°22	17°30	3°16	9°11	27°R 0	28°26	0°14	28°47	T 17
F 18	9 52 2	29°17'45	9 ²⁷ 27	14°R27	8°19	9° 9	11°19	29°24	17°32	3°18	9° 9	27° 0	28°22	0°21	28°44	F 18
S 19	9 55 59	0 ¹⁸ 21	23°30	14°22	9°31	9°43	11°22	29°25	17°33	3°20	9° 8	26°57	28°19	0°27	28°41	S 19
S 20	9 59 55	1°18'57	7 ³ 56	14° 7	10°42	10°17	11°25	29°27	17°34	3°22	9° 7	26°53	28°16	0°34	28°37	S 20
M21	10 3 52	2°19'31	22°44	13°42	11°53	10°51	11°28	29°29	17°36	3°24	9° 6	26°46	28°13	0°41	28°34	M21
T 22	10 7 49	3°20'03	7 ³ 46	13° 7	13° 5	11°25	11°32	29°31	17°37	3°26	9° 4	26°38	28°10	0°48	28°31	T 22
W23	10 11 45	4°20'35	22°54	12°24	14°16	11°59	11°35	29°32	17°38	3°28	9° 3	26°29	28° 7	0°54	28°27	W23
T 24	10 15 42	5°21'04	7 ⁵ 57	11°33	15°27	12°32	11°39	29°33	17°40	3°30	9° 2	26°21	28° 3	1° 1	28°24	T 24
F 25	10 19 38	6°21'32	22°46	10°36	16°37	13° 6	11°43	29°35	17°42	3°32	9° 1	26°15	28° 0	1° 8	28°21	F 25
S 26	10 23 35	7°21'59	7 ¹⁴ 14	9°35	17°48	13°39	11°47	29°36	17°43	3°34	9° 0	26°11	27°57	1°15	28°18	S 26
S 27	10 27 31	8°22'23	21°14	8°31	18°59	14°12	11°52	29°37	17°45	3°36	8°58	26°D10	27°54	1°21	28°15	S 27
M28	10 31 28	9 ¹⁸ 26	4 ⁸ 46	7 ¹⁸ 26	20°Y 9	14 ²⁷ 46	11 ¹¹ 56	29 ¹¹ 38	17 ⁸ 46	3 ³⁹ 39	8°Ω57	26°Y10	27°Y51	1°Ω28	28°Ω12	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 9	15n32	0n57	14s10	1s21	5s55	1s13	19s10	0n51	21n33	0s32	17s44	2n 9	16n40	0s20	0s 6
W 2	16 52	20 13	2 1	13 28	1 13	5 25	1 11	19 18	0 51	21 33	0 32	17 45	2 9	16 40	0 20	0 6
T 3	16 35	23 54	2 57	12 46	1 5	4 54	1 8	19 25	0 50	21 33	0 32	17 46	2 9	16 40	0 20	0 5
F 4	16 17	26 27	3 44	12 3	0 55	4 23	1 6	19 33	0 49	21 33	0 31	17 46	2 9	16 41	0 19	0 4
S 5	15 59	27 46	4 21	11 20	0 45	3 52	1 3	19 41	0 49	21 33	0 31	17 47	2 9	16 41	0 19	0 3
S 6	15 41	27 47	4 47	10 36	0 34	3 21	1 1	19 48	0 48	21 34	0 31	17 47	2 9	16 41	0 19	0 3
M 7	15 22	26 31	4 59	9 53	0 22	2 49	0 58	19 56	0 48	21 34	0 31	17 48	2 10	16 41	0 19	0 2
T 8	15 3	24 4	4 59	9 11	0 9	2 18	0 55	20 3	0 47	21 34	0 31	17 48	2 10	16 41	0 19	0 1
W 9	14 44	20 35	4 46	8 29	0n 4	1 47	0 52	20 10	0 47	21 35	0 30	17 49	2 10	16 42	0 19	0 1
T 10	14 25	16 15	4 20	7 48	0 18	1 15	0 49	20 17	0 46	21 35	0 30	17 49	2 10	16 42	0 19	0n 0
F 11	14 6	11 15	3 42	7 9	0 33	0 44	0 46	20 24	0 45	21 35	0 30	17 49	2 10	16 42	0 19	0 1
S 12	13 46	5 47	2 54	6 32	0 48	0 13	0 43	20 30	0 45	21 36	0 30	17 50	2 11	16 42	0 19	0 2
S 13	13 26	0 2	1 57	5 57	1 4	0n19	0 40	20 37	0 44	21 36	0 29	17 50	2 11	16 43	0 19	0 2
M14	13 6	5s49	0 53	5 25	1 20	0 50	0 37	20 43	0 43	21 37	0 29	17 50	2 11	16 43	0 19	0 3
T 15	12 45	11 32	0s14	4 57	1 36	1 22	0 34	20 50	0 43	21 37	0 29	17 51	2 11	16 43	0 19	0 4
W16	12 24	16 53	1 22	4 32	1 53	1 53	0 30	20 56	0 42	21 38	0 29	17 51	2 11	16 44	0 19	0 5
T 17	12 4	21 35	2 28	4 11	2 8	2 25	0 27	21 2	0 41	21 38	0 29	17 51	2 11	16 44	0 19	0 5
F 18	11 42	25 15	3 27	3 54	2 24	2 56	0 24	21 8	0 41	21 39	0 28	17 51	2 12	16 44	0 19	0 6
S 19	11 21	27 30	4 15	3 42	2 39	3 27	0 20	21 14	0 40	21 39	0 28	17 52	2 12	16 45	0 19	0 7
S 20	11 0	27 59	4 49	3 35	2 53	3 59	0 17	21 19	0 39	21 40	0 28	17 52	2 12	16 45	0 19	0 8
M21	10 38	26 30	5 5	3 33	3 5	4 30	0 13	21 25	0 39	21 41	0 28	17 52	2 12	16 46	0 19	0 9
T 22	10 16	23 8	5 0	3 36	3 16	5 1	0 9	21 30	0 38	21 41	0 28	17 52	2 12	16 46	0 19	0 9
W23	9 55	18 11	4 34	3 44	3 26	5 32	0 6	21 36	0 37	21 42	0 27	17 52	2 13	16 46	0 19	0 10
T 24	9 32	12 7	3 49	3 56	3 33	6 3	0 2	21 41	0 36	21 43	0 27	17 52	2 13	16 47	0 19	0 11
F 25	9 10	5 28	2 50	4 12	3 39	6 33	0n 2	21 46	0 35	21 43	0 27	17 53	2 13	16 47	0 19	0 12
S 26	8 48	1n20	1 40	4 32	3 42	7 4	0 6	21 51	0 35	21 44	0 27	17 53	2 13	16 48	0 19	0 13
S 27	8 25	7 52	0 27	4 55	3 43	7 34	0 10	21 55	0 34	21 45	0 27	17 53	2 13	16 48	0 19	0 14
M28	8s 3	13n50	0n46	5s21	3n41	8n 5	0n13	22s 0	0n33	21n46	0s26	17s53	2n14	16n49	0s19	0n14

Julian Day Number = 2521337.5, Delta T = 154.54 sec

Ecliptic obliquity = 23°25'00, Nutation = - 0°00'07, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 27°24'38, Lahiri = 26°31'39

ASTRODIENST EPHEMERIS for the year 2191

geocentric

APRIL 2191

00:00 UT

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

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4n28	28n15	4n53	7s58	1s58	21n42	2n28	23s28	0s 3	22n19	0s21	17s42	2n19	17n10	0s18	F 1
S 2	4 51	27 43	5 11	7 35	2 3	22 1	2 31	23 29	0 5	22 20	0 21	17 42	2 19	17 11	0 18	S 2
S 3	5 14	25 54	5 16	7 9	2 8	22 19	2 35	23 30	0 6	22 21	0 20	17 41	2 19	17 12	0 18	S 3
M 4	5 37	22 57	5 7	6 43	2 13	22 37	2 39	23 31	0 8	22 22	0 20	17 41	2 20	17 13	0 18	M 4
T 5	6 0	19 3	4 45	6 15	2 17	22 54	2 43	23 32	0 9	22 23	0 20	17 40	2 20	17 14	0 18	T 5
W 6	6 23	14 21	4 11	5 46	2 20	23 11	2 47	23 33	0 11	22 24	0 20	17 39	2 20	17 14	0 18	W 6
T 7	6 46	9 2	3 24	5 15	2 23	23 27	2 51	23 34	0 13	22 26	0 20	17 38	2 20	17 15	0 18	T 7
F 8	7 8	3 18	2 28	4 44	2 26	23 43	2 54	23 34	0 14	22 27	0 20	17 38	2 20	17 16	0 18	F 8
S 9	7 30	2s42	1 23	4 11	2 28	23 58	2 58	23 35	0 16	22 28	0 19	17 37	2 20	17 17	0 18	S 9
S 10	7 53	8 42	0 13	3 37	2 30	24 13	3 2	23 36	0 18	22 29	0 19	17 36	2 20	17 18	0 18	S 10
M 11	8 15	14 27	1s 0	3 2	2 31	24 27	3 5	23 36	0 20	22 30	0 19	17 35	2 20	17 19	0 18	M 11
T 12	8 37	19 38	2 10	2 26	2 31	24 41	3 8	23 37	0 21	22 31	0 19	17 35	2 21	17 19	0 18	T 12
W 13	8 59	23 54	3 14	1 49	2 31	24 54	3 12	23 37	0 23	22 32	0 19	17 34	2 21	17 20	0 18	W 13
T 14	9 21	26 52	4 8	1 10	2 31	25 7	3 15	23 38	0 25	22 33	0 19	17 33	2 21	17 21	0 18	T 14
F 15	9 42	28 13	4 48	0 31	2 30	25 19	3 18	23 38	0 27	22 35	0 19	17 32	2 21	17 22	0 18	F 15
S 16	10 3	27 46	5 12	0n 9	2 28	25 30	3 21	23 39	0 29	22 36	0 18	17 31	2 21	17 23	0 18	S 16
S 17	10 25	25 31	5 16	0 51	2 26	25 41	3 24	23 39	0 31	22 37	0 18	17 31	2 21	17 24	0 18	S 17
M 18	10 46	21 41	5 2	1 33	2 24	25 51	3 27	23 39	0 33	22 38	0 18	17 30	2 21	17 25	0 18	M 18
T 19	11 7	16 34	4 28	2 16	2 21	26 1	3 30	23 40	0 35	22 39	0 18	17 29	2 21	17 26	0 18	T 19
W 20	11 27	10 34	3 39	3 0	2 17	26 10	3 33	23 40	0 37	22 40	0 18	17 28	2 21	17 27	0 18	W 20
T 21	11 48	4 3	2 36	3 45	2 13	26 19	3 35	23 40	0 39	22 41	0 18	17 27	2 21	17 27	0 18	T 21
F 22	12 8	2n36	1 24	4 30	2 9	26 27	3 38	23 40	0 41	22 42	0 18	17 26	2 22	17 28	0 18	F 22
S 23	12 28	9 3	0 9	5 17	2 4	26 34	3 40	23 41	0 43	22 43	0 17	17 25	2 22	17 29	0 18	S 23
S 24	12 48	14 58	1n 6	6 4	1 58	26 41	3 42	23 41	0 46	22 44	0 17	17 24	2 22	17 30	0 18	S 24
M 25	13 8	20 4	2 16	6 51	1 52	26 47	3 44	23 41	0 48	22 45	0 17	17 23	2 22	17 31	0 18	M 25
T 26	13 28	24 4	3 17	7 40	1 45	26 53	3 46	23 41	0 50	22 46	0 17	17 23	2 22	17 32	0 18	T 26
W 27	13 47	26 48	4 6	8 28	1 38	26 59	3 48	23 42	0 53	22 47	0 17	17 22	2 22	17 33	0 18	W 27
T 28	14 6	28 8	4 43	9 18	1 31	27 3	3 50	23 42	0 55	22 48	0 17	17 21	2 22	17 34	0 18	T 28
F 29	14 25	28 3	5 6	10 7	1 23	27 8	3 51	23 42	0 57	22 49	0 17	17 20	2 22	17 35	0 18	F 29
S 30	14n43	26n38	5n15	10n57	1s15	27n11	3n53	23s43	1s 0	22n50	0s17	17s19	2n22	17n36	0s18	S 30

Julian Day Number = 2521396.5, Delta T = 154.68 sec

Ecliptic obliquity = 23°25'00", Nutation = - 0°00'08", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 27°24'46", Lahiri = 26°31'47"

ASTRODIENST EPHEMERIS for the year 2191

geocentric

MAY 2191

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 35 54	10♈43'09	4♌55	3♊55	25♊36	14♈0	21♊9	27°R35	20♈39	5♊54	8♌26	25°R 5	24♊34	8♌25	28♈17	S 1
M 2	14 39 51	11°41'29	16°48	5°59	26°27	14°20	21°21	27♌31	20°42	5°56	8°26	25°D 5	24°30	8°31	28°20	M 2
T 3	14 43 47	12°39'47	28°43	8° 4	27°16	14°40	21°34	27°27	20°46	5°58	8°27	25°Y 6	24°27	8°38	28°23	T 3
W 4	14 47 44	13°38'03	10♍45	10°10	28° 5	14°59	21°46	27°23	20°49	6° 0	8°27	25° 7	24°24	8°45	28°27	W 4
T 5	14 51 40	14°36'17	22°59	12°17	28°53	15°18	21°58	27°18	20°52	6° 2	8°27	25° 9	24°21	8°52	28°30	T 5
F 6	14 55 37	15°34'29	5♋28	14°26	29°41	15°37	22°10	27°14	20°56	6° 4	8°28	25°10	24°18	8°58	28°33	F 6
S 7	14 59 34	16°32'39	18°15	16°35	0♉27	15°55	22°23	27°10	20°59	6° 6	8°28	25°11	24°15	9° 5	28°37	S 7
S 8	15 3 30	17°30'47	1♌22	18°45	1°13	16°12	22°35	27° 5	21° 3	6° 7	8°29	25°R11	24°11	9°12	28°40	S 8
M 9	15 7 27	18°28'54	14°50	20°55	1°57	16°30	22°48	27° 1	21° 6	6° 9	8°29	25°10	24° 8	9°18	28°44	M 9
T 10	15 11 23	19°26'59	28°36	23° 5	2°41	16°46	23° 1	26°56	21°10	6°11	8°30	25° 8	24° 5	9°25	28°48	T 10
W11	15 15 20	20°25'02	12♊38	25°15	3°24	17° 3	23°13	26°52	21°13	6°13	8°30	25° 5	24° 2	9°32	28°51	W11
T 12	15 19 16	21°23'04	26°52	27°24	4° 5	17°18	23°26	26°47	21°17	6°14	8°31	25° 1	23°59	9°39	28°55	T 12
F 13	15 23 13	22°21'05	11♈12	29°33	4°46	17°34	23°39	26°43	21°20	6°16	8°31	24°57	23°56	9°45	28°59	F 13
S 14	15 27 9	23°19'04	25°35	1♊40	5°25	17°48	23°51	26°38	21°24	6°18	8°32	24°54	23°52	9°52	29° 3	S 14
S 15	15 31 6	24°17'01	9♋55	3°47	6° 3	18° 3	24° 4	26°34	21°27	6°20	8°32	24°52	23°49	9°59	29° 7	S 15
M16	15 35 3	25°14'58	24°10	5°51	6°40	18°16	24°17	26°29	21°31	6°21	8°33	24°D52	23°46	10° 6	29°12	M16
T 17	15 38 59	26°12'53	8♊16	7°54	7°16	18°30	24°30	26°25	21°34	6°23	8°34	24°52	23°43	10°12	29°16	T 17
W18	15 42 56	27°10'47	22°13	9°55	7°51	18°42	24°43	26°20	21°38	6°24	8°34	24°53	23°40	10°19	29°20	W18
T 19	15 46 52	28° 8'40	6♊0	11°54	8°24	18°54	24°56	26°16	21°41	6°26	8°35	24°55	23°36	10°26	29°25	T 19
F 20	15 50 49	29° 6'31	19°35	13°50	8°56	19° 6	25° 9	26°11	21°44	6°28	8°36	24°R56	23°33	10°32	29°29	F 20
S 21	15 54 45	0♊4'22	2♊59	15°43	9°26	19°16	25°22	26° 7	21°48	6°29	8°37	24°56	23°30	10°39	29°34	S 21
S 22	15 58 42	1° 2'11	16°11	17°33	9°55	19°27	25°35	26° 2	21°51	6°31	8°37	24°54	23°27	10°46	29°38	S 22
M23	16 2 38	1°59'58	29°10	19°21	10°22	19°36	25°49	25°58	21°55	6°32	8°38	24°50	23°24	10°53	29°43	M23
T 24	16 6 35	2°57'45	11♊56	21° 6	10°48	19°45	26° 2	25°54	21°58	6°34	8°39	24°45	23°21	10°59	29°48	T 24
W25	16 10 32	3°55'30	24°29	22°48	11°12	19°53	26°15	25°49	22° 2	6°35	8°40	24°38	23°17	11° 6	29°53	W25
T 26	16 14 28	4°53'14	6♋50	24°26	11°34	20° 1	26°28	25°45	22° 5	6°36	8°41	24°31	23°14	11°13	29°57	T 26
F 27	16 18 25	5°50'56	18°59	26° 2	11°55	20° 8	26°42	25°40	22° 9	6°38	8°42	24°24	23°11	11°19	0♌2	F 27
S 28	16 22 21	6°48'37	0♌59	27°34	12°14	20°14	26°55	25°36	22°12	6°39	8°43	24°18	23° 8	11°26	0° 7	S 28
S 29	16 26 18	7°46'16	12°53	29° 3	12°30	20°20	27° 8	25°32	22°15	6°40	8°44	24°13	23° 5	11°33	0°13	S 29
M30	16 30 14	8°43'54	24°44	0♉29	12°45	20°25	27°22	25°27	22°19	6°42	8°45	24°10	23° 2	11°40	0°18	M30
T 31	16 34 11	9♊41'30	6♍38	1♉51	12♉58	20♈29	27♊35	25♌23	22♈22	6♊43	8♌46	24°D 9	22♊58	11♌46	0♌23	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	15n 2	24n 3	5n11	11n47	1s 6	27n14	3n54	23s43	1s 2	22n51	0s16	17s18	2n22	17n37	0s18	1n 8
M 2	15 20	20 27	4 53	12 36	0 57	27 17	3 55	23 43	1 5	22 52	0 16	17 17	2 22	17 38	0 18	1 8
T 3	15 37	16 1	4 23	13 26	0 47	27 19	3 56	23 44	1 8	22 53	0 16	17 16	2 22	17 38	0 18	1 9
W 4	15 55	10 56	3 41	14 15	0 38	27 21	3 57	23 44	1 10	22 54	0 16	17 15	2 22	17 39	0 18	1 10
T 5	16 12	5 21	2 48	15 4	0 28	27 22	3 57	23 45	1 13	22 55	0 16	17 14	2 22	17 40	0 18	1 11
F 6	16 29	0s32	1 47	15 53	0 17	27 23	3 58	23 45	1 16	22 55	0 16	17 13	2 22	17 41	0 18	1 11
S 7	16 46	6 34	0 38	16 40	0 7	27 23	3 58	23 46	1 19	22 56	0 16	17 12	2 22	17 42	0 18	1 12
S 8	17 3	12 28	0s34	17 27	0n 4	27 23	3 58	23 47	1 21	22 57	0 16	17 11	2 22	17 43	0 18	1 13
M 9	17 19	17 57	1 46	18 12	0 14	27 22	3 58	23 48	1 24	22 58	0 15	17 10	2 22	17 44	0 18	1 13
T 10	17 35	22 39	2 53	18 56	0 25	27 21	3 57	23 48	1 27	22 59	0 15	17 9	2 22	17 45	0 18	1 14
W11	17 50	26 7	3 51	19 38	0 35	27 19	3 57	23 49	1 30	22 59	0 15	17 8	2 22	17 46	0 18	1 15
T 12	18 5	27 59	4 36	20 18	0 46	27 17	3 56	23 50	1 33	23 0	0 15	17 7	2 22	17 47	0 18	1 15
F 13	18 20	27 59	5 4	20 56	0 56	27 15	3 55	23 51	1 36	23 1	0 15	17 6	2 22	17 48	0 18	1 16
S 14	18 35	26 8	5 13	21 32	1 5	27 12	3 54	23 53	1 39	23 2	0 15	17 5	2 22	17 49	0 18	1 17
S 15	18 49	22 35	5 2	22 6	1 15	27 8	3 52	23 54	1 43	23 2	0 15	17 4	2 22	17 49	0 18	1 17
M16	19 4	17 44	4 33	23 7	1 23	27 5	3 50	23 55	1 46	23 3	0 15	17 3	2 22	17 50	0 18	1 18
T 17	19 17	11 59	3 48	23 8	1 32	27 1	3 48	23 57	1 49	23 4	0 14	17 2	2 22	17 51	0 18	1 18
W18	19 31	5 40	2 49	23 33	1 39	26 56	3 46	23 58	1 53	23 4	0 14	17 1	2 22	17 52	0 18	1 19
T 19	19 44	0n49	1 42	23 57	1 46	26 52	3 43	24 0	1 56	23 5	0 14	17 0	2 22	17 53	0 18	1 20
F 20	19 56	7 12	0 29	24 18	1 53	26 47	3 40	24 2	1 59	23 6	0 14	16 59	2 22	17 54	0 18	1 20
S 21	20 9	13 11	0n44	24 37	1 58	26 41	3 37	24 4	2 3	23 6	0 14	16 58	2 22	17 55	0 18	1 21
S 22	20 21	18 28	1 53	24 53	2 3	26 36	3 34	24 6	2 6	23 7	0 14	16 57	2 22	17 56	0 18	1 21
M23	20 33	22 48	2 55	25 6	2 7	26 30	3 30	24 8	2 10	23 7	0 14	16 56	2 22	17 57	0 18	1 22
T 24	20 44	25 57	3 47	25 18	2 11	26 24	3 26	24 10	2 14	23 8	0 14	16 55	2 22	17 58	0 18	1 22
W25	20 55	27 45	4 28	25 26	2 13	26 17	3 21	24 13	2 17	23 8	0 14	16 54	2 21	17 58	0 18	1 23
T 26	21 5	28 8	4 54	25 33	2 15	26 10	3 16	24 15	2 21	23 9	0 13	16 53	2 21	17 59	0 18	1 23
F 27	21 16	27 9	5 7	25 37	2 16	26 3	3 11	24 18	2 25	23 9	0 13	16 52	2 21	18 0	0 18	1 24
S 28	21 26	24 54	5 7	25 39	2 16	25 56	3 5	24 21	2 29	23 10	0 13	16 51	2 21	18 1	0 18	1 24
S 29	21 35	21 36	4 53	25 40	2 15	25 48	2 59	24 24	2 33	23 10	0 13	16 50	2 21	18 2	0 18	1 25
M30	21 44	17 27	4 26	25 38	2 13	25 41	2 53	24 27	2 37	23 10	0 13	16 49	2 21	18 3	0 18	1 25
T 31	21n53	12n36	3n48	25n35	2n11	25n33	2n46	24s30	2s41	23n11	0s13	16s49	2n21	18n 4	0s18	1n26

Julian Day Number = 2521426.5, Delta T = 154.76 sec

Ecliptic obliquity = 23°25'00, Nutation = - 0°00'08, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 27°24'50, Lahiri = 26°31'51

ASTRODIENST EPHEMERIS for the year 2191
geocentric

JUNE 2191

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	16 38 8	10 ^{II} 39'05	18 ^{III} 39	3 ^{IV} 10	13 ^V 8	20 ^{VI} 33	27 ^{VII} 49	25°R19	22 ^{VIII} 25	6 ^{IX} 44	8 ^X 47	24 ^{XI} 9	22 ^{XII} 55	11 ^I 53	0 ^{II} 28	W 1
T 2	16 42 4	11°36'39	0 ^{III} 52	4°26	13°17	20°36	28° 2	25 ^{III} 14	22°29	6°46	8°48	24°10	22°52	12° 0	0°34	T 2
F 3	16 46 1	12°34'11	13°22	5°38	13°23	20°38	28°16	25°10	22°32	6°47	8°49	24°12	22°49	12° 6	0°39	F 3
S 4	16 49 57	13°31'41	26°13	6°47	13°27	20°39	28°29	25° 6	22°35	6°48	8°50	24°R12	22°46	12°13	0°44	S 4
S 5	16 53 54	14°29'11	9 ^{III} 28	7°52	13°R29	20°R40	28°43	25° 2	22°39	6°49	8°51	24°11	22°42	12°20	0°50	S 5
M 6	16 57 50	15°26'39	23° 8	8°53	13°28	20°40	28°56	24°58	22°42	6°50	8°52	24° 8	22°39	12°27	0°55	M 6
T 7	17 1 47	16°24'07	7 ^{III} 13	9°51	13°25	20°39	29°10	24°54	22°45	6°51	8°53	24° 3	22°36	12°33	1° 1	T 7
W 8	17 5 43	17°21'33	21°39	10°45	13°19	20°37	29°24	24°50	22°48	6°52	8°54	23°56	22°33	12°40	1° 7	W 8
T 9	17 9 40	18°18'59	6 ^{III} 20	11°35	13°12	20°35	29°37	24°46	22°52	6°53	8°55	23°47	22°30	12°47	1°13	T 9
F 10	17 13 37	19°16'23	21° 7	12°21	13° 1	20°32	29°51	24°42	22°55	6°54	8°57	23°39	22°27	12°53	1°18	F 10
S 11	17 17 33	20°13'47	5 ^{III} 54	13° 3	12°48	20°28	0 ^{III} 5	24°38	22°58	6°55	8°58	23°32	22°23	13° 0	1°24	S 11
S 12	17 21 30	21°11'11	20°32	13°41	12°33	20°24	0°18	24°34	23° 1	6°56	8°59	23°26	22°20	13° 7	1°30	S 12
M13	17 25 26	22° 8'33	4 ^{III} 57	14°15	12°16	20°18	0°32	24°31	23° 4	6°57	9° 0	23°23	22°17	13°14	1°36	M13
T 14	17 29 23	23° 5'55	19° 5	14°45	11°56	20°12	0°46	24°27	23° 8	6°58	9° 2	23°D22	22°14	13°20	1°42	T 14
W15	17 33 19	24° 3'17	2 ^{III} 56	15°10	11°34	20° 5	0°59	24°23	23°11	6°59	9° 3	23°22	22°11	13°27	1°48	W15
T 16	17 37 16	25° 0'38	16°29	15°30	11°10	19°58	1°13	24°20	23°14	6°59	9° 4	23°R23	22° 8	13°34	1°54	T 16
F 17	17 41 12	25°57'59	29°46	15°47	10°44	19°49	1°27	24°16	23°17	7° 0	9° 6	23°23	22° 4	13°40	2° 0	F 17
S 18	17 45 9	26°55'19	12 ^{III} 50	15°58	10°16	19°40	1°40	24°13	23°20	7° 1	9° 7	23°21	22° 1	13°47	2° 6	S 18
S 19	17 49 6	27°52'39	25°41	16° 5	9°46	19°31	1°54	24°10	23°23	7° 2	9° 8	23°17	21°58	13°54	2°13	S 19
M20	17 53 2	28°49'59	8 ^{III} 20	16°R 8	9°14	19°20	2° 8	24° 6	23°26	7° 2	9°10	23°10	21°55	14° 1	2°19	M20
T 21	17 56 59	29°47'18	20°50	16° 6	8°41	19° 9	2°22	24° 3	23°29	7° 3	9°11	23° 1	21°52	14° 7	2°25	T 21
W22	18 0 55	0 ^{III} 44'37	3 ^{III} 9	16° 0	8° 7	18°57	2°35	24° 0	23°32	7° 4	9°12	22°50	21°48	14°14	2°31	W22
T 23	18 4 52	1°41'55	15°20	15°49	7°31	18°45	2°49	23°57	23°35	7° 4	9°14	22°37	21°45	14°21	2°38	T 23
F 24	18 8 48	2°39'13	27°23	15°34	6°55	18°32	3° 3	23°54	23°38	7° 5	9°15	22°25	21°42	14°27	2°44	F 24
S 25	18 12 45	3°36'29	9 ^{III} 19	15°15	6°18	18°18	3°17	23°51	23°40	7° 5	9°17	22°14	21°39	14°34	2°51	S 25
S 26	18 16 41	4°33'46	21°10	14°53	5°41	18° 4	3°30	23°48	23°43	7° 6	9°18	22° 5	21°36	14°41	2°57	S 26
M27	18 20 38	5°31'01	3 ^{III} 0	14°27	5° 3	17°50	3°44	23°45	23°46	7° 6	9°20	21°58	21°33	14°48	3° 4	M27
T 28	18 24 35	6°28'17	14°52	13°58	4°26	17°35	3°58	23°42	23°49	7° 7	9°21	21°54	21°29	14°54	3°10	T 28
W29	18 28 31	7°25'31	26°51	13°27	3°49	17°19	4°12	23°40	23°52	7° 7	9°23	21°52	21°26	15° 1	3°17	W29
T 30	18 32 28	8°22'45	9 ^{III} 1	12°54	3°52	17°3	4°25	23 ^{III} 37	23°54	7 ^{III} 7	9°24	21°D51	21°Y23	15°L 8	3°L23	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 1	7n15	3n 0	25n30	2n 8	25n24	2n39	24s34	2s45	23n11	0s13	16s48	2n21	18n 5	0s18	1n26	1s21	23n 0	5n 8	9n22	8n54	21n53	13n39	6s32										
T 2	22 9	1 32	2 2	25 24	2 3	25 16	2 32	24 37	2 49	23 11	0 13	16 47	2 21	18 5	0 18	1 27	1 21	23 0	5 8	9 22	8 53	21 51	13 38	6 32										
F 3	22 17	4s23	0 58	25 16	1 58	25 7	2 24	24 41	2 53	23 12	0 13	16 46	2 21	18 6	0 18	1 27	1 21	22 59	5 8	9 22	8 52	21 48	13 37	6 31										
S 4	22 24	10 17	0s11	25 7	1 53	24 59	2 15	24 45	2 57	23 12	0 12	16 45	2 20	18 7	0 18	1 28	1 21	22 59	5 8	9 23	8 51	21 46	13 37	6 31										
S 5	22 31	15 55	1 21	24 57	1 46	24 50	2 6	24 49	3 1	23 12	0 12	16 44	2 20	18 8	0 18	1 28	1 21	22 59	5 8	9 22	8 49	21 44	13 36	6 30										
M 6	22 37	20 57	2 29	24 46	1 39	24 41	1 57	24 53	3 5	23 12	0 12	16 43	2 20	18 9	0 18	1 28	1 21	22 58	5 8	9 21	8 48	21 42	13 35	6 30										
T 7	22 43	24 56	3 30	24 33	1 30	24 31	1 47	24 57	3 9	23 13	0 12	16 42	2 20	18 10	0 18	1 29	1 21	22 58	5 8	9 19	8 47	21 40	13 35	6 29										
W 8	22 49	27 27	4 19	24 20	1 21	24 22	1 37	25 2	3 14	23 13	0 12	16 42	2 20	18 10	0 18	1 29	1 21	22 58	5 8	9 16	8 46	21 37	13 34	6 29										
T 9	22 54	28 7	4 51	24 6	1 12	24 12	1 26	25 6	3 18	23 13	0 12	16 41	2 20	18 11	0 18	1 29	1 21	22 57	5 8	9 13	8 45	21 35	13 33	6 28										
F 10	22 59	26 47	5 5	23 51	1 1	24 2	1 15	25 11	3 22	23 13	0 12	16 40	2 20	18 12	0 18	1 30	1 21	22 57	5 8	9 10	8 44	21 33	13 32	6 28										
S 11	23 3	23 35	4 58	23 36	0 50	23 52	1 4	25 16	3 27	23 13	0 12	16 39	2 19	18 13	0 18	1 30	1 21	22 56	5 8	9 8	8 42	21 31	13 31	6 28										
S 12	23 7	18 55	4 32	23 20	0 38	23 41	0 52	25 21	3 31	23 13	0 12	16 39	2 19	18 14	0 18	1 30	1 21	22 56	5 8	9 6	8 41	21 28	13 30	6 27										
M13	23 11	13 14	3 49	23 4	0 25	23 31	0 40	25 26	3 35	23 13	0 12	16 38	2 19	18 14	0 18	1 31	1 21	22 56	5 8	9 5	8 40	21 26	13 30	6 27										
T 14	23 14	6 57	2 52	22 48	0 11	23 20	0 27	25 31	3 40	23 13	0 11	16 37	2 19	18 15	0 18	1 31	1 21	22 55	5 8	9 4	8 39	21 24	13 29	6 26										
W15	23 17	0 28	1 47	22 31	0s 3	23 9	0 14	25 36	3 44	23 13	0 11	16 36	2 19	18 16	0 18	1 31	1 21	22 55	5 8	9 4	8 38	21 22	13 28	6 26										
T 16	23 19	5n54	0 37	22 14	0 17	22 58	0 1	25 42	3 48	23 13	0 11	16 36	2 19	18 17	0 18	1 32	1 21	22 55	5 8	9 4	8 37	21 19	13 27	6 26										
F 17	23 21	11 55	0n34	21 57	0 32	22 47	0s12	25 47	3 53	23 13	0 11	16 35	2 18	18 18	0 18	1 32	1 21	22 54	5 7	9 4	8 35	21 17	13 26	6 25										
S 18	23 23	17 17	1 42	21 40	0 48	22 35	0 26	25 53	3 57	23 13	0 11	16 34	2 18	18 18	0 18	1 32	1 21	22 54	5 7	9 4	8 34	21 15	13 25	6 25										
S 19	23 24	21 48	2 43	21 23	1 4	22 24	0 40	25 59	4 1	23 13	0 11	16 34	2 18	18 19	0 18	1 32	1 22	22 53	5 7	9 2	8 33	21 12	13 24	6 25										
M20	23 25	25 13	3 35	21 7	1 20	22 12	0 54	26 5	4 6	23 13	0 11	16 33	2 18	18 20	0 18	1 33	1 22	22 53	5 7	9 0	8 32	21 10	13 23	6 24										
T 21	23 25	27 21	4 16	20 51	1 37	22 0	1 8	26 10	4 10	23 13	0 11	16 32	2 18	18 21	0 18	1 33	1 22	22 53	5 7	8 56	8 31	21 8	13 22	6 24										
W22	23 25	28 7	4 44	20 35	1 53	21 48	1 22	26 16	4 14	23 13	0 11	16 32	2 18	18 21	0 18	1 33	1 22	22 52	5 7	8 52	8 29	21 6	13 21	6 24										
T 23	23 24	27 29	4 59	20 20	2 10	21 36	1 37	26 22	4 18	23 13	0 11	16 31	2 17	18 22	0 18	1 33	1 22	22 52	5 7	8 48	8 28	21 3	13 20	6 23										
F 24	23 23	25 34	5 0	20 5	2 27	21 23	1 51	26 28	4 22	23 12	0 10	16 31	2 17	18 23	0 18	1 33	1 22	22 51	5 7	8 43	8 27	21 1	13 19	6 23										
S 25	23 22	22 32	4 48	19 51	2 43	21 11	2 5	26 34	4 26	23 12	0 10	16 30	2 17	18 23	0 18	1 33	1 22	22 51	5 7	8 39	8 26	20 59	13 18	6 23										
S 26	23 20	18 36	4 24	19 38	2 59	20 59	2 19	26 40	4 30	23 12	0 10	16 30	2 17	18 24	0 18	1 34	1 22	22 51	5 7	8 35	8 25	20 56	13 16	6 22										
M27	23 18	13 56	3 48	19 25	3 14	20 47	2 32	26 46	4 34	23 12	0 10	16 29	2 17	18 25	0 18	1 34	1 22	22 50	5 7	8 33	8 23	20 54	13 15	6 22										
T 28	23 16	8 46	3 3	19 13	3 29	20 35	2 46	26 52	4 38	23 11	0 10	16 29	2 16	18 25	0 18	1 34	1 22	22 50	5 7	8 31	8 22	20 52	13 14	6 22										
W29	23 13	3 13	2 8	19 3	3 43	20 23	2 59	26 57	4 42	23 11	0 10	16 28	2 16	18 26	0 18	1 34	1 22	22 49	5 7	8 31	8 21	20 49	13 13	6 21										
T 30	23n 9	2s32	1n 7	18n53	3s55	20n12	3s11	27s 3	4s46	23n11	0s10	16s28	2n16	18n27	0s18	1n34	1s22	22n49	5n 7	8n30	8n20	20n47	13n12	6s21										

ASTRODIENST EPHEMERIS for the year 2191

geocentric

JULY 2191

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18 36 24	9♉19°58	21♊29	12♈R19	2♈R36	16♈R47	4♉39	23♈R35	23♉57	7♉ 8	9♉26	21♈R51	21♉20	15♉14	3♉30	F 1
S 2	18 40 21	10°17'11	4♊18	11♉43	2♉ 1	16♉30	4°53	23♊32	24° 0	7° 8	9°27	21♉51	21°17	15°21	3°37	S 2
S 3	18 44 17	11°14'24	17°33	11° 7	1°27	16°13	5° 7	23°30	24° 2	7° 8	9°29	21°49	21°14	15°28	3°44	S 3
M 4	18 48 14	12°11'36	1♈16	10°32	0°55	15°56	5°20	23°28	24° 5	7° 8	9°30	21°45	21°10	15°35	3°50	M 4
T 5	18 52 10	13° 8'48	15°29	9°57	0°24	15°38	5°34	23°26	24° 7	7° 9	9°32	21°38	21° 7	15°41	3°57	T 5
W 6	18 56 7	14° 6'00	0♈ 7	9°24	29♊55	15°21	5°48	23°24	24°10	7° 9	9°33	21°29	21° 4	15°48	4° 4	W 6
T 7	19 0 4	15° 3'11	15° 5	8°53	29°28	15° 3	6° 1	23°22	24°12	7° 9	9°35	21°18	21° 1	15°55	4°11	T 7
F 8	19 4 0	16° 0'23	0♈13	8°25	29° 3	14°45	6°15	23°20	24°15	7° 9	9°37	21° 7	20°58	16° 1	4°18	F 8
S 9	19 7 57	16°57'34	15°22	8° 0	28°40	14°27	6°28	23°18	24°17	7° 9	9°38	20°58	20°54	16° 8	4°24	S 9
S 10	19 11 53	17°54'46	0♈20	7°38	28°19	14° 9	6°42	23°16	24°20	7°R 9	9°40	20°50	20°51	16°15	4°31	S 10
M 11	19 15 50	18°51'58	15° 0	7°21	28° 0	13°51	6°56	23°15	24°22	7° 9	9°42	20°45	20°48	16°22	4°38	M 11
T 12	19 19 46	19°49'10	29°19	7° 8	27°44	13°33	7° 9	23°13	24°24	7° 9	9°43	20°42	20°45	16°28	4°45	T 12
W 13	19 23 43	20°46'22	13♉Y13	6°59	27°30	13°16	7°23	23°12	24°27	7° 9	9°45	20°42	20°42	16°35	4°52	W 13
T 14	19 27 40	21°43'35	26°44	6°D56	27°19	12°58	7°36	23°11	24°29	7° 9	9°46	20°42	20°39	16°42	4°59	T 14
F 15	19 31 36	22°40'49	9♈54	6°57	27°10	12°41	7°50	23° 9	24°31	7° 9	9°48	20°41	20°35	16°48	5° 6	F 15
S 16	19 35 33	23°38'03	22°46	7° 4	27° 3	12°24	8° 3	23° 8	24°33	7° 8	9°50	20°39	20°32	16°55	5°13	S 16
S 17	19 39 29	24°35'18	5♊23	7°16	26°59	12° 7	8°17	23° 7	24°35	7° 8	9°52	20°34	20°29	17° 2	5°20	S 17
M 18	19 43 26	25°32'33	17°48	7°34	26°D57	11°51	8°30	23° 6	24°37	7° 8	9°53	20°26	20°26	17° 8	5°27	M 18
T 19	19 47 22	26°29'48	0♈ 4	7°57	26°58	11°35	8°43	23° 5	24°39	7° 8	9°55	20°16	20°23	17°15	5°34	T 19
W 20	19 51 19	27°27'04	12°12	8°25	27° 1	11°19	8°57	23° 5	24°41	7° 7	9°57	20° 4	20°20	17°22	5°41	W 20
T 21	19 55 15	28°24'21	24°13	8°59	27° 6	11° 4	9°10	23° 4	24°43	7° 7	9°58	19°50	20°16	17°29	5°48	T 21
F 22	19 59 12	29°21'38	6♉ 9	9°38	27°13	10°50	9°23	23° 3	24°45	7° 7	10° 0	19°37	20°13	17°35	5°56	F 22
S 23	20 3 9	0♉18°55	18° 1	10°23	27°22	10°36	9°37	23° 3	24°47	7° 6	10° 2	19°24	20°10	17°42	6° 3	S 23
S 24	20 7 5	1°16'13	29°51	11°13	27°34	10°22	9°50	23° 2	24°49	7° 6	10° 3	19°14	20° 7	17°49	6°10	S 24
M 25	20 11 2	2°13'31	11♊41	12° 8	27°47	10° 9	10° 3	23° 2	24°51	7° 6	10° 5	19° 6	20° 4	17°55	6°17	M 25
T 26	20 14 58	3°10'49	23°33	13° 9	28° 2	9°57	10°16	23° 2	24°53	7° 5	10° 7	19° 1	20° 0	18° 2	6°24	T 26
W 27	20 18 55	4° 8'08	5♊32	14°14	28°20	9°46	10°29	23°D 2	24°54	7° 4	10° 9	18°58	19°57	18° 9	6°31	W 27
T 28	20 22 51	5° 5'27	17°42	15°25	28°39	9°35	10°42	23° 2	24°56	7° 4	10°10	18°D58	19°54	18°16	6°38	T 28
F 29	20 26 48	6° 2'46	0♊ 7	16°40	29° 0	9°25	10°55	23° 2	24°58	7° 3	10°12	18°R58	19°51	18°22	6°45	F 29
S 30	20 30 44	7° 0'06	12°53	18° 1	29°22	9°16	11° 8	23° 2	24°59	7° 3	10°14	18°58	19°48	18°29	6°53	S 30
S 31	20 34 41	7♉57°26	26♊ 4	19♉26	29♊47	9♉ 8	11♉21	23♊ 3	25♉ 1	7♉ 2	10♉16	18♉Y56	19♉45	18♉36	7♉ 0	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
F 1	23n 5	8s20	0n 2	18n45	4s 7	20n 0	3s23	27s 9	4s49	23n10	0s10	16s28	2n16	18n27	0s18	F 1
S 2	23 1	13 58	1s 5	18 38	4 17	19 49	3 35	27 15	4 53	23 10	0 10	16 27	2 15	18 28	0 18	S 2
S 3	22 56	19 9	2 11	18 31	4 27	19 38	3 46	27 20	4 56	23 9	0 10	16 27	2 15	18 29	0 18	S 3
M 4	22 51	23 32	3 12	18 27	4 34	19 28	3 57	27 25	5 0	23 9	0 10	16 26	2 15	18 29	0 18	M 4
T 5	22 46	26 39	4 3	18 23	4 40	19 18	4 7	27 31	5 3	23 9	0 9	16 26	2 15	18 30	0 18	T 5
W 6	22 40	28 5	4 40	18 21	4 45	19 9	4 16	27 36	5 6	23 8	0 9	16 26	2 15	18 31	0 18	W 6
T 7	22 34	27 30	4 59	18 20	4 48	19 0	4 25	27 41	5 9	23 8	0 9	16 26	2 14	18 31	0 18	T 7
F 8	22 27	24 55	4 57	18 20	4 49	18 51	4 34	27 46	5 12	23 7	0 9	16 25	2 14	18 32	0 18	F 8
S 9	22 20	20 34	4 34	18 22	4 49	18 43	4 41	27 50	5 14	23 6	0 9	16 25	2 14	18 32	0 18	S 9
S 10	22 13	14 58	3 53	18 25	4 47	18 36	4 48	27 55	5 17	23 6	0 9	16 25	2 14	18 33	0 18	S 10
M 11	22 5	8 37	2 56	18 29	4 44	18 29	4 55	27 59	5 19	23 5	0 9	16 25	2 13	18 34	0 18	M 11
T 12	21 57	1 58	1 50	18 34	4 40	18 23	5 1	28 3	5 21	23 5	0 9	16 25	2 13	18 34	0 18	T 12
W 13	21 49	4n36	0 39	18 40	4 34	18 17	5 6	28 7	5 23	23 4	0 9	16 25	2 13	18 35	0 18	W 13
T 14	21 40	10 47	0n32	18 48	4 27	18 12	5 11	28 11	5 25	23 3	0 9	16 24	2 13	18 35	0 18	T 14
F 15	21 31	16 20	1 40	18 56	4 19	18 8	5 15	28 14	5 27	23 3	0 9	16 24	2 12	18 36	0 18	F 15
S 16	21 21	21 2	2 41	19 4	4 10	18 4	5 19	28 18	5 29	23 2	0 8	16 24	2 12	18 36	0 18	S 16
S 17	21 11	24 40	3 32	19 14	3 59	18 1	5 22	28 21	5 30	23 1	0 8	16 24	2 12	18 37	0 18	S 17
M 18	21 1	27 4	4 13	19 24	3 48	17 58	5 25	28 24	5 32	23 0	0 8	16 24	2 12	18 37	0 18	M 18
T 19	20 50	28 7	4 42	19 34	3 37	17 56	5 27	28 26	5 33	23 0	0 8	16 24	2 11	18 38	0 18	T 19
W 20	20 39	27 47	4 57	19 45	3 24	17 54	5 29	28 29	5 34	22 59	0 8	16 24	2 11	18 38	0 18	W 20
T 21	20 28	26 9	4 59	19 56	3 11	17 53	5 30	28 31	5 35	22 58	0 8	16 25	2 11	18 39	0 18	T 21
F 22	20 16	23 21	4 48	20 7	2 58	17 52	5 31	28 33	5 36	22 57	0 8	16 25	2 11	18 39	0 18	F 22
S 23	20 4	19 36	4 24	20 17	2 44	17 52	5 32	28 35	5 36	22 56	0 8	16 25	2 10	18 40	0 18	S 23
S 24	19 51	15 5	3 49	20 27	2 30	17 52	5 32	28 36	5 37	22 55	0 8	16 25	2 10	18 40	0 18	S 24
M 25	19 39	10 0	3 4	20 37	2 16	17 52	5 32	28 38	5 37	22 55	0 8	16 25	2 10	18 41	0 18	M 25
T 26	19 26	4 33	2 10	20 46	2 1	17 53	5 31	28 39	5 37	22 54	0 8	16 25	2 10	18 41	0 18	T 26
W 27	19 12	1s 7	1 11	20 54	1 46	17 54	5 30	28 40	5 37	22 53	0 7	16 26	2 9	18 41	0 18	W 27
T 28	18 59	6 50	0 7	21 0	1 32	17 55	5 29	28 40	5 37	22 52	0 7	16 26	2 9	18 42	0 18	T 28
F 29	18 45	12 25	0s59	21 6	1 17	17 57	5 28	28 41	5 37	22 51	0 7	16 26	2 9	18 42	0 18	F 29
S 30	18 30	17 39	2 3	21 10	1 3	17 59	5 26	28 41	5 36	22 50	0 7	16 26	2 9	18 43	0 18	S 30
S 31	18n16	22s13	3s 4	21n13	0s49	18n 1	5s24	28s41	5s36	22n49	0s 7	16s27	2n 8	18n43	0s18	S 31

Julian Day Number = 2521487.5, Delta T = 154.91 sec
 Ecliptic obliquity = 23°25'00, Nutation = - 0°00'06, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°24'59, Lahiri = 26°31'59

ASTRODIENST EPHEMERIS for the year 2191

geocentric

AUGUST 2191

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 38 38	8♂54'47	9♂43	20♂55	0♂13	9°R 0	11♂34	23♂3	25♂2	7°R 1	10♂17	18°R53	19°Y41	18♂42	7♂7	M 1
T 2	20 42 34	9°52'08	23°51	22°29	0°40	8♂53	11°47	23°4	25°4	7°Y 1	10°19	18°Y47	19°38	18°49	7°14	T 2
W 3	20 46 31	10°49'30	8♂38	24°7	1°9	8°47	12°0	23°4	25°5	7°0	10°21	18°40	19°35	18°56	7°21	W 3
T 4	20 50 27	11°46'53	23°29	25°49	1°40	8°42	12°13	23°5	25°6	6°59	10°22	18°30	19°32	19°3	7°28	T 4
F 5	20 54 24	12°44'16	8♂44	27°34	2°12	8°37	12°25	23°6	25°8	6°58	10°24	18°21	19°29	19°9	7°35	F 5
S 6	20 58 20	13°41'40	24°2	29°23	2°45	8°34	12°38	23°7	25°9	6°58	10°26	18°12	19°26	19°16	7°43	S 6
S 7	21 2 17	14°39'05	9♂14	1♂15	3°20	8°31	12°51	23°8	25°10	6°57	10°28	18°6	19°22	19°23	7°50	S 7
M 8	21 6 13	15°36'31	24°8	3°10	3°55	8°29	13°3	23°9	25°11	6°56	10°29	18°1	19°19	19°29	7°57	M 8
T 9	21 10 10	16°33'58	8°Y39	5°7	4°33	8°28	13°16	23°10	25°12	6°55	10°31	17°59	19°16	19°36	8°4	T 9
W10	21 14 7	17°31'26	22°43	7°5	5°11	8°D27	13°28	23°11	25°13	6°54	10°33	17°D59	19°13	19°43	8°11	W10
T 11	21 18 3	18°28'55	6♂19	9°6	5°50	8°28	13°41	23°12	25°15	6°53	10°35	17°59	19°10	19°49	8°18	T 11
F 12	21 22 0	19°26'26	19°31	11°7	6°31	8°29	13°53	23°14	25°15	6°52	10°36	18°R 0	19°6	19°56	8°25	F 12
S 13	21 25 56	20°23'59	2♂21	13°10	7°12	8°31	14°5	23°15	25°16	6°51	10°38	17°59	19°3	20°3	8°32	S 13
S 14	21 29 53	21°21'33	14°53	15°13	7°55	8°34	14°17	23°17	25°17	6°50	10°40	17°56	19°0	20°10	8°40	S 14
M15	21 33 49	22°19'08	27°11	17°16	8°38	8°38	14°30	23°19	25°18	6°49	10°41	17°52	18°57	20°16	8°47	M15
T 16	21 37 46	23°16'44	9♂18	19°20	9°23	8°43	14°42	23°21	25°19	6°48	10°43	17°44	18°54	20°23	8°54	T 16
W17	21 41 42	24°14'22	21°18	21°23	10°8	8°48	14°54	23°23	25°20	6°47	10°45	17°36	18°51	20°30	9°1	W17
T 18	21 45 39	25°12'01	3♂12	23°25	10°54	8°55	15°6	23°25	25°20	6°46	10°47	17°26	18°47	20°36	9°8	T 18
F 19	21 49 36	26°9'42	15°4	25°27	11°41	9°2	15°17	23°27	25°21	6°45	10°48	17°16	18°44	20°43	9°15	F 19
S 20	21 53 32	27°7'23	26°55	27°28	12°29	9°10	15°29	23°29	25°22	6°44	10°50	17°7	18°41	20°50	9°22	S 20
S 21	21 57 29	28°5'06	8♂46	29°29	13°17	9°18	15°41	23°31	25°22	6°42	10°52	16°59	18°38	20°56	9°29	S 21
M22	22 1 25	29°2'51	20°39	1♂28	14°7	9°28	15°53	23°34	25°23	6°41	10°53	16°54	18°35	21°3	9°36	M22
T 23	22 5 22	0♂36	2♂37	3°26	14°57	9°38	16°4	23°36	25°23	6°40	10°55	16°50	18°32	21°10	9°43	T 23
W24	22 9 18	0°58'23	14°41	5°22	15°47	9°49	16°16	23°39	25°23	6°39	10°57	16°D49	18°28	21°17	9°49	W24
T 25	22 13 15	1°56'10	26°56	7°18	16°39	10°1	16°27	23°42	25°24	6°37	10°58	16°50	18°25	21°23	9°56	T 25
F 26	22 17 11	2°53'59	9♂25	9°12	17°31	10°13	16°39	23°44	25°24	6°36	11°0	16°51	18°22	21°30	10°3	F 26
S 27	22 21 8	3°51'50	22°11	11°5	18°24	10°26	16°50	23°47	25°24	6°35	11°2	16°52	18°19	21°37	10°10	S 27
S 28	22 25 5	4°49'41	5♂19	12°56	19°17	10°40	17°1	23°50	25°24	6°33	11°3	16°R53	18°16	21°43	10°17	S 28
M29	22 29 1	5°47'34	18°51	14°46	20°11	10°55	17°12	23°53	25°25	6°32	11°5	16°52	18°12	21°50	10°24	M29
T 30	22 32 58	6°45'28	2♂50	16°35	21°5	11°10	17°23	23°56	25°25	6°31	11°6	16°50	18°9	21°57	10°30	T 30
W31	22 36 54	7♂43'23	17♂16	18♂23	22♂0	11♂26	17♂34	23♂59	25°R25	6°Y29	11♂8	16°Y46	18°Y6	22♂3	10♂37	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	18n 1	25s46	3s55	21n13	0s35	18n 3	5s22	28s41	5s35	22n48	0s 7	16s27	2n 8	18n43	0s18	1n30
T 2	17 46	27 51	4 35	21 12	0 21	18 5	5 20	28 41	5 35	22 47	0 7	16 27	2 8	18 44	0 18	1 30
W 3	17 30	28 6	4 58	21 8	0 8	18 8	5 17	28 41	5 34	22 46	0 7	16 28	2 8	18 44	0 18	1 30
T 4	17 14	26 20	5 2	21 2	0n 5	18 10	5 14	28 40	5 33	22 45	0 7	16 28	2 7	18 44	0 18	1 29
F 5	16 58	22 38	4 44	20 54	0 17	18 13	5 11	28 39	5 32	22 44	0 7	16 29	2 7	18 45	0 18	1 29
S 6	16 42	17 22	4 6	20 43	0 28	18 16	5 8	28 38	5 31	22 42	0 7	16 29	2 7	18 45	0 18	1 28
S 7	16 25	11 3	3 11	20 30	0 39	18 18	5 4	28 37	5 29	22 41	0 6	16 30	2 7	18 45	0 18	1 28
M 8	16 9	4 13	2 4	20 14	0 49	18 21	5 1	28 36	5 28	22 40	0 6	16 30	2 6	18 45	0 18	1 28
T 9	15 51	2n40	0 50	19 55	0 58	18 23	4 57	28 35	5 27	22 39	0 6	16 31	2 6	18 46	0 18	1 27
W10	15 34	9 13	0n25	19 34	1 7	18 26	4 53	28 33	5 25	22 38	0 6	16 31	2 6	18 46	0 18	1 27
T 11	15 16	15 8	1 36	19 10	1 14	18 28	4 49	28 32	5 24	22 37	0 6	16 32	2 6	18 46	0 18	1 26
F 12	14 59	20 10	2 40	18 43	1 21	18 30	4 45	28 30	5 22	22 36	0 6	16 32	2 5	18 46	0 18	1 26
S 13	14 40	24 7	3 34	18 15	1 27	18 33	4 41	28 28	5 20	22 34	0 6	16 33	2 5	18 47	0 18	1 26
S 14	14 22	26 48	4 16	17 44	1 32	18 35	4 37	28 26	5 19	22 33	0 6	16 34	2 5	18 47	0 18	1 25
M15	14 4	28 9	4 46	17 10	1 36	18 36	4 32	28 24	5 17	22 32	0 6	16 34	2 5	18 47	0 18	1 25
T 16	13 45	28 7	5 2	16 35	1 40	18 38	4 28	28 22	5 15	22 31	0 6	16 35	2 4	18 47	0 18	1 24
W17	13 26	26 45	5 5	15 59	1 42	18 39	4 23	28 20	5 13	22 30	0 6	16 36	2 4	18 47	0 18	1 24
T 18	13 7	24 11	4 54	15 20	1 44	18 41	4 19	28 17	5 11	22 28	0 6	16 37	2 4	18 48	0 18	1 23
F 19	12 47	20 36	4 31	14 41	1 45	18 41	4 14	28 15	5 9	22 27	0 5	16 37	2 4	18 48	0 18	1 23
S 20	12 28	16 13	3 56	13 59	1 46	18 42	4 9	28 12	5 7	22 26	0 5	16 38	2 3	18 48	0 18	1 22
S 21	12 8	11 13	3 10	13 17	1 45	18 42	4 4	28 10	5 5	22 25	0 5	16 39	2 3	18 48	0 18	1 22
M22	11 48	5 48	2 16	12 34	1 44	18 43	3 59	28 7	5 3	22 23	0 5	16 40	2 3	18 48	0 18	1 21
T 23	11 27	0 8	1 16	11 50	1 43	18 42	3 54	28 4	5 1	22 22	0 5	16 41	2 3	18 48	0 18	1 21
W24	11 7	5s36	0 12	11 6	1 41	18 42	3 49	28 1	4 58	22 21	0 5	16 42	2 2	18 48	0 18	1 20
T 25	10 47	11 13	0s54	10 20	1 38	18 41	3 44	27 58	4 56	22 19	0 5	16 42	2 2	18 48	0 18	1 20
F 26	10 26	16 30	1 59	9 35	1 35	18 40	3 38	27 54	4 54	22 18	0 5	16 43	2 2	18 48	0 18	1 19
S 27	10 5	21 11	3 0	8 48	1 31	18 38	3 33	27 51	4 52	22 17	0 5	16 44	2 2	18 48	0 18	1 19
S 28	9 44	24 59	3 53	8 2	1 27	18 36	3 28	27 48	4 49	22 16	0 5	16 45	2 1	18 48	0 18	1 18
M29	9 23	27 30	4 34	7 15	1 22	18 34	3 23	27 44	4 47	22 14	0 4	16 46	2 1	18 48	0 18	1 18
T 30	9 1	28 24	5 1	6 29	1 17	18 31	3 17	27 40	4 44	22 13	0 4	16 47	2 1	18 48	0 18	1 17
W31	8n40	27s26	5s10	5n42	1n12	18n28	3s12	27s37	4s42	22n12	0s 4	16s48	2n 1	18n48	0s18	1n16

Julian Day Number = 2521518.5, Delta T = 154.99 sec
 Ecliptic obliquity = 23°25'00, Nutation = - 0°00'05, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°25'03, Lahiri = 26°32'04

ASTRODIENST EPHEMERIS for the year 2191

geocentric

SEPTEMBER 2191

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 40 51	8 ^h 41'20	2 ^h 4 4	20 ^h 9 9	22 ^h 55 5	11 ^h 3 43	17 ^h 5 45	24 ^h 11 3	25 ^h 25 25	6 ^h 28 28	11 ^h 10 10	16 ^h 41 16	18 ^h 3 3	22 ^h 10 10	10 ^h 10 44	T 1
F 2	22 44 47	9 ^h 39'17	17 ^h 9 9	21 ^h 54 5	23 ^h 51 1	12 ^h 0 0	17 ^h 56 6	24 ^h 6 6	25 ^h 25 25	6 ^h 26 26	11 ^h 11 11	16 ^h 35 16	18 ^h 0 0	22 ^h 17 17	10 ^h 50 50	F 2
S 3	22 48 44	10 ^h 37'17	2 ^h 22 22	23 ^h 37 7	24 ^h 48 8	12 ^h 18 18	18 ^h 6 6	24 ^h 10 10	25 ^h 24 24	6 ^h 25 25	11 ^h 13 13	16 ^h 30 16	17 ^h 57 17	22 ^h 24 24	10 ^h 57 57	S 3
S 4	22 52 40	11 ^h 35'17	17 ^h 32 2	25 ^h 20 2	25 ^h 45 5	12 ^h 36 36	18 ^h 17 17	24 ^h 13 13	25 ^h 24 24	6 ^h 24 24	11 ^h 14 14	16 ^h 26 16	17 ^h 53 17	22 ^h 30 30	11 ^h 4 4	S 4
M 5	22 56 37	12 ^h 33'19	2 ^h 30 0	27 ^h 1 1	26 ^h 42 2	12 ^h 55 5	18 ^h 28 28	24 ^h 17 17	25 ^h 24 24	6 ^h 22 22	11 ^h 16 16	16 ^h 24 16	17 ^h 50 17	22 ^h 37 37	11 ^h 10 10	M 5
T 6	23 0 34	13 ^h 31'23	17 ^h 8 8	28 ^h 41 1	27 ^h 40 0	13 ^h 15 15	18 ^h 38 38	24 ^h 20 20	25 ^h 24 24	6 ^h 21 21	11 ^h 17 17	16 ^h 23 16	17 ^h 47 17	22 ^h 44 44	11 ^h 17 17	T 6
W 7	23 4 30	14 ^h 29'29	1 ^h 21 1	0 ^h 19 19	28 ^h 39 9	13 ^h 35 35	18 ^h 48 48	24 ^h 24 24	25 ^h 23 23	6 ^h 19 19	11 ^h 19 19	16 ^h 24 16	17 ^h 44 17	22 ^h 50 50	11 ^h 23 23	W 7
T 8	23 8 27	15 ^h 27'37	15 ^h 6 6	1 ^h 57 7	29 ^h 37 7	13 ^h 56 56	18 ^h 58 58	24 ^h 28 28	25 ^h 23 23	6 ^h 18 18	11 ^h 20 20	16 ^h 25 16	17 ^h 41 17	22 ^h 57 57	11 ^h 30 30	T 8
F 9	23 12 23	16 ^h 25'47	28 ^h 24 2	3 ^h 33 3	0 ^h 137 7	14 ^h 17 17	19 ^h 9 9	24 ^h 32 32	25 ^h 23 23	6 ^h 16 16	11 ^h 22 22	16 ^h 27 16	17 ^h 38 17	23 ^h 4 4	11 ^h 36 36	F 9
S 10	23 16 20	17 ^h 23'59	11 ^h 18 18	5 ^h 8 8	1 ^h 36 6	14 ^h 39 39	19 ^h 19 19	24 ^h 36 36	25 ^h 22 22	6 ^h 14 14	11 ^h 23 23	16 ^h 28 16	17 ^h 34 17	23 ^h 10 10	11 ^h 42 42	S 10
S 11	23 20 16	18 ^h 22'13	23 ^h 52 2	6 ^h 42 2	2 ^h 36 6	15 ^h 2 2	19 ^h 28 28	24 ^h 40 40	25 ^h 22 22	6 ^h 13 13	11 ^h 25 25	16 ^h 28 16	17 ^h 31 17	23 ^h 17 17	11 ^h 49 49	S 11
M12	23 24 13	19 ^h 20'29	6 ^h 8 8	8 ^h 14 14	3 ^h 37 7	15 ^h 25 25	19 ^h 38 38	24 ^h 44 44	25 ^h 21 21	6 ^h 11 11	11 ^h 26 26	16 ^h 27 16	17 ^h 28 17	23 ^h 24 24	11 ^h 55 55	M12
T 13	23 28 9	20 ^h 18'47	18 ^h 13 13	9 ^h 46 6	4 ^h 38 8	15 ^h 48 48	19 ^h 48 48	24 ^h 48 48	25 ^h 21 21	6 ^h 10 10	11 ^h 28 28	16 ^h 24 16	17 ^h 25 17	23 ^h 31 31	12 ^h 1 1	T 13
W14	23 32 6	21 ^h 17'07	0 ^h 19 9	11 ^h 16 16	5 ^h 39 9	16 ^h 12 12	19 ^h 58 58	24 ^h 53 53	25 ^h 20 20	6 ^h 8 8	11 ^h 29 29	16 ^h 21 16	17 ^h 22 17	23 ^h 37 37	12 ^h 8 8	W14
T 15	23 36 3	22 ^h 15'29	12 ^h 1 1	12 ^h 45 5	6 ^h 40 0	16 ^h 37 37	20 ^h 7 7	24 ^h 57 57	25 ^h 19 19	6 ^h 7 7	11 ^h 30 30	16 ^h 17 16	17 ^h 18 17	23 ^h 44 44	12 ^h 14 14	T 15
F 16	23 39 59	23 ^h 13'53	23 ^h 51 1	14 ^h 13 13	7 ^h 42 2	17 ^h 1 1	20 ^h 16 16	25 ^h 2 2	25 ^h 18 18	6 ^h 5 5	11 ^h 32 32	16 ^h 13 16	17 ^h 15 17	23 ^h 51 51	12 ^h 20 20	F 16
S 17	23 43 56	24 ^h 12'19	5 ^h 43 3	15 ^h 40 40	8 ^h 44 4	17 ^h 27 27	20 ^h 26 26	25 ^h 6 6	25 ^h 18 18	6 ^h 3 3	11 ^h 33 33	16 ^h 9 16	17 ^h 12 17	23 ^h 57 57	12 ^h 26 26	S 17
S 18	23 47 52	25 ^h 10'46	17 ^h 38 8	17 ^h 6 6	9 ^h 47 7	17 ^h 53 53	20 ^h 35 35	25 ^h 11 25	25 ^h 17 17	6 ^h 2 2	11 ^h 34 34	16 ^h 6 16	17 ^h 9 17	24 ^h 4 4	12 ^h 32 32	S 18
M19	23 51 49	26 ^h 9'16	29 ^h 38 8	18 ^h 30 30	10 ^h 50 10	18 ^h 19 19	20 ^h 44 44	25 ^h 16 25	25 ^h 16 16	6 ^h 0 0	11 ^h 36 36	16 ^h 5 16	17 ^h 6 17	24 ^h 11 11	12 ^h 38 38	M19
T 20	23 55 45	27 ^h 7'47	11 ^h 46 6	19 ^h 53 53	11 ^h 53 53	18 ^h 46 46	20 ^h 53 53	25 ^h 20 25	25 ^h 15 15	5 ^h 58 58	11 ^h 37 37	16 ^h 4 16	17 ^h 3 17	24 ^h 17 17	12 ^h 44 44	T 20
W21	23 59 42	28 ^h 6'21	24 ^h 3 3	21 ^h 15 15	12 ^h 56 56	19 ^h 13 13	21 ^h 1 1	25 ^h 25 25	25 ^h 14 14	5 ^h 57 57	11 ^h 38 38	16 ^h 4 16	16 ^h 59 16	24 ^h 24 24	12 ^h 50 50	W21
T 22	0 3 38	29 ^h 4'56	6 ^h 130 30	22 ^h 35 35	14 ^h 0 0	19 ^h 41 41	21 ^h 10 10	25 ^h 30 25	25 ^h 13 13	5 ^h 55 55	11 ^h 40 40	16 ^h 5 16	16 ^h 56 16	24 ^h 31 24	12 ^h 55 55	T 22
F 23	0 7 35	0 ^h 3'33	19 ^h 11 11	23 ^h 55 55	15 ^h 4 4	20 ^h 9 9	21 ^h 18 18	25 ^h 35 25	25 ^h 12 12	5 ^h 53 53	11 ^h 41 41	16 ^h 6 16	16 ^h 53 16	24 ^h 37 24	13 ^h 1 1	F 23
S 24	0 11 31	1 ^h 2'11	2 ^h 7 7	25 ^h 12 12	16 ^h 8 8	20 ^h 37 37	21 ^h 27 21	25 ^h 40 25	25 ^h 11 11	5 ^h 52 52	11 ^h 42 42	16 ^h 7 16	16 ^h 50 16	24 ^h 44 24	13 ^h 7 7	S 24
S 25	0 15 28	2 ^h 0'52	15 ^h 19 19	26 ^h 29 26	17 ^h 13 13	21 ^h 6 6	21 ^h 35 21	25 ^h 45 25	25 ^h 9 9	5 ^h 50 50	11 ^h 43 43	16 ^h 8 16	16 ^h 47 16	24 ^h 51 24	13 ^h 12 12	S 25
M26	0 19 25	2 ^h 59'34	28 ^h 50 28	27 ^h 43 27	18 ^h 17 18	21 ^h 35 21	21 ^h 43 21	25 ^h 50 25	25 ^h 8 8	5 ^h 49 49	11 ^h 45 45	16 ^h 9 16	16 ^h 43 16	24 ^h 58 24	13 ^h 18 18	M26
T 27	0 23 21	3 ^h 58'18	12 ^h 342 42	28 ^h 57 28	19 ^h 22 19	22 ^h 5 22	21 ^h 51 21	25 ^h 55 25	25 ^h 7 7	5 ^h 47 47	11 ^h 46 46	16 ^h 9 16	16 ^h 40 16	25 ^h 4 25	13 ^h 24 24	T 27
W28	0 27 18	4 ^h 57'03	26 ^h 53 26	0 ^h 18 18	20 ^h 28 20	22 ^h 35 22	21 ^h 59 21	26 ^h 1 25	25 ^h 6 25	5 ^h 45 45	11 ^h 47 47	16 ^h 8 16	16 ^h 37 16	25 ^h 11 25	13 ^h 29 29	W28
T 29	0 31 14	5 ^h 55'50	11 ^h 23 11	1 ^h 18 1	21 ^h 33 21	23 ^h 5 23	22 ^h 7 22	26 ^h 6 25	25 ^h 4 25	5 ^h 44 44	11 ^h 48 48	16 ^h 7 16	16 ^h 34 16	25 ^h 18 25	13 ^h 34 34	T 29
F 30	0 35 11	6 ^h 54'39	26 ^h 7 26	2 ^h 18 2	22 ^h 139 39	23 ^h 36 23	22 ^h 14 22	26 ^h 11 25	25 ^h 3 25	5 ^h 42 42	11 ^h 49 49	16 ^h 7 16	16 ^h 31 16	25 ^h 124 25	13 ^h 40 40	F 30

Day	☉	☽		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	8n18	24s32	4s59	4n55	1n 7	18n24	3s 7	27s33	4s40	22n10	0s 4	16s49	2n 0	18n48	0s18	1n16	1s25	22n24	5n11	6n33	7n 4	18n 8	11n25	6s21					
F 2	7 57	19 56	4 28	4 9	1 1	18 20	3 1	27 29	4 37	22 9	0 4	16 50	2 0	18 48	0 18	1 15	1 25	22 23	5 12	6 31	7 3	18 6	11 23	6 21					
S 3	7 35	14 0	3 37	3 22	0 55	18 16	2 56	27 25	4 35	22 8	0 4	16 51	2 0	18 48	0 18	1 15	1 25	22 23	5 12	6 29	7 2	18 3	11 21	6 21					
S 4	7 13	7 14	2 31	2 36	0 48	18 11	2 50	27 20	4 32	22 6	0 4	16 52	2 0	18 48	0 18	1 14	1 25	22 23	5 12	6 27	7 1	18 0	11 19	6 21					
M 5	6 51	0 9	1 15	1 50	0 42	18 6	2 45	27 16	4 30	22 5	0 4	16 53	2 0	18 48	0 18	1 13	1 25	22 22	5 12	6 27	7 0	17 57	11 17	6 22					
T 6	6 28	6n47	0n 4	1 4	0 35	18 0	2 39	27 12	4 28	22 4	0 4	16 55	1 59	18 48	0 18	1 13	1 25	22 22	5 12	6 26	6 58	17 55	11 15	6 22					
W 7	6 6	13 12	1 21	0 18	0 28	17 54	2 34	27 7	4 25	22 2	0 4	16 56	1 59	18 48	0 18	1 12	1 25	22 22	5 12	6 27	6 57	17 52	11 13	6 22					
T 8	5 44	18 45	2 31	0s27	0 21	17 48	2 28	27 2	4 23	22 1	0 4	16 57	1 59	18 48	0 18	1 12	1 25	22 22	5 12	6 27	6 56	17 49	11 11	6 22					
F 9	5 21	23 12	3 30	1 12	0 13	17 40	2 23	26 58	4 20	22 0	0 3	16 58	1 59	18 48	0 18	1 11	1 25	22 21	5 13	6 28	6 55	17 47	11 9	6 23					
S 10	4 58	26 21	4 17	1 57	0 6	17 33	2 17	26 53	4 18	21 58	0 3	16 59	1 58	18 48	0 18	1 10	1 25	22 21	5 13	6 28	6 53	17 44	11 7	6 23					
S 11	4 36	28 6	4 50	2 41	0s 2	17 25	2 12	26 48	4 15	21 57	0 3	17 0	1 58	18 48	0 18	1 10	1 25	22 21	5 13	6 28	6 52	17 41	11 5	6 23					
M12	4 13	28 25	5 8	3 24	0 9	17 17	2 7	26 43	4 13	21 56	0 3	17 2	1 58	18 48	0 18	1 9	1 25	22 21	5 13	6 28	6 51	17 39	11 3	6 24					
T 13	3 50	27 21	5 13	4 7	0 17	17 8	2 1	26 37	4 10	21 54	0 3	17 3	1 58	18 47	0 18	1 8	1 25	22 20	5 13	6 27	6 50	17 36	11 1	6 24					
W14	3 27	25 3	5 5	4 50	0 25	16 58	1 56	26 32	4 8	21 53	0 3	17 4	1 58	18 47	0 18	1 8	1 25	22 20	5 13	6 25	6 49	17 33	10 59	6 24					
T 15	3 4	21 42	4 43	5 32	0 33	16 48	1 50	26 26	4 5	21 52	0 3	17 5	1 57	18 47	0 18	1 7	1 25	22 20	5 13	6 24	6 47	17 30	10 57	6 25					
F 16	2 41	17 28	4 9	6 14	0 41	16 38	1 45	26 21	4 3	21 51	0 3	17 7	1 57	18 47	0 18	1 6	1 25	22 20	5 14	6 22	6 46	17 28	10 55	6 25					
S 17	2 18	12 34	3 24	6 55	0 49	16 27	1 40	26 15	4 0	21 49	0 3	17 8	1 57	18 47	0 18	1 6	1 25	22 19	5 14	6 21	6 45	17 25	10 53	6 25					
S 18	1 55	7 11	2 30	7 35	0 57	16 16	1 34	26 9	3 58	21 48	0 3	17 9	1 57	18 46	0 18	1 5	1 25	22 19	5 14	6 20	6 44	17 22	10 51	6 26					
M19	1 32	1 31	1 29	8 14	1 5	16 4	1 29	26 3	3 55	21 47	0 2	17 10	1 57	18 46	0 18	1 4	1 25	22 19	5 14	6 19	6 43	17 19	10 49	6 26					
T 20	1 8	4s17	0 24	8 53	1 13	15 52	1 24	25 57	3 53	21 46	0 2	17 12	1 56	18 46	0 18	1 4	1 25	22 19	5 14	6 19	6 41	17 17	10 47	6 27					
W21	0 45	10 0	0s44	9 31	1 20	15 40	1 18	25 50	3 50	21 44	0 2	17 13	1 56	18 46	0 18	1 3	1 25	22 18	5 14	6 19	6 40	17 14	10 45	6 27					
T 22	0 22	15 25	1 51	10 9	1 28	15 27	1 13	25 44	3 48	21 43	0 2	17 14	1 56	18 46	0 18	1 2	1 25	22 18	5 15	6 19	6 39	17 11	10 43	6 27					
F 23	0s 1	20 17	2 53	10 46	1 36	15 13	1 8	25 37	3 45	21 42	0 2	17 16	1 56	18 45	0 18	1 2	1 25	22 18	5 15	6 20	6 38	17 8	10 41	6 28					
S 24	0 25	24 17	3 48	11 21	1 44	14 59	1 3	25 30	3 43	21 41	0 2	17 17	1 56	18 45	0 18	1 1	1 25	22 18	5 15	6 20	6 36	17 6	10 39	6 28					
S 25	0 48	27 7	4 32	11 56	1 52	14 45	0 58	25 23	3 40	21 39	0 2	17 19	1 55	18 45	0 18	1 0	1 25	22 18	5 15	6 21	6 35	17 3	10 37	6 29					
M26	1 11	28 27	5 2	12 30	1 59	14 30	0 53	25 16	3 38	21 38	0 2	17 20	1 55	18 44	0 18	1 0	1 26	22 18	5 15	6 21	6 34	17 0	10 35	6 29					
T 27	1 35	28 3	5 16	13 4	2 7	14 14	0 48	25 9	3 36	21 37	0 2	17 21	1 55	18 44	0 18	0 59	1 26	22 17	5 16	6 21	6 33	16 57	10 33	6 30					
W28	1 58	25 51	5 11	13 36	2 14	13 59	0 43	25 2	3 33	21 36	0 2	17 23	1 55	18 44	0 18	0 58	1 26	22 17	5 16	6 20	6 32	16 54	10 31	6 30					
T 29	2 21	21 56	4 46	14 7	2 21	13 42	0 38	24 54	3 31	21 35	0 1	17 24	1 55	18 43	0 18	0 58	1 26	22 17	5 16	6 20	6 30	16 52	10 29	6 30					
F 30	2s44	16s36	4s 3	14s37	2s28	13n26	0s33	24s46	3s28	21n34	0s 1	17s26	1n54	18n43	0s18	0n57	1s26	22n17	5n16	6n20	6n29	16n49	10n28	6s31					

ASTRODIENST EPHEMERIS for the year 2191
geocentric

OCTOBER 2191

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 39 7	7♂53'29	10♂59	3♂31	23♂45	24♂7	22♂22	26♂17	25°R 1	5°R40	11♂50	16°R 5	16°V28	25♂31	13♂45	S 1
S 2	0 43 4	8°52'21	25°52	4°35	24°51	24°38	22°29	26°22	25♂0	5°V39	11°51	16°V 4	16°24	25°38	13°50	S 2
M 3	0 47 0	9°51'15	10°V38	5°36	25°58	25°10	22°36	26°28	24°58	5°37	11°52	16°D 4	16°21	25°44	13°55	M 3
T 4	0 50 57	10°50'11	25°11	6°35	27° 4	25°42	22°43	26°34	24°57	5°35	11°53	16° 4	16°18	25°51	14° 1	T 4
W 5	0 54 54	11°49'10	9♂23	7°30	28°11	26°14	22°50	26°39	24°55	5°34	11°54	16° 4	16°15	25°58	14° 6	W 5
T 6	0 58 50	12°48'10	23°12	8°23	29°18	26°47	22°57	26°45	24°54	5°32	11°55	16° 5	16°12	26° 4	14°11	T 6
F 7	1 2 47	13°47'13	6♂36	9°13	0♂26	27°20	23° 3	26°51	24°52	5°30	11°56	16° 5	16° 9	26°11	14°15	F 7
S 8	1 6 43	14°46'18	19°35	9°59	1°33	27°53	23°10	26°57	24°50	5°29	11°57	16° 5	16° 5	26°18	14°20	S 8
S 9	1 10 40	15°45'26	2♂13	10°42	2°41	28°26	23°16	27° 3	24°49	5°27	11°58	16°R 5	16° 2	26°25	14°25	S 9
M10	1 14 36	16°44'35	14°32	11°20	3°49	29° 0	23°22	27° 9	24°47	5°25	11°59	16°D 5	15°59	26°31	14°30	M10
T 11	1 18 33	17°43'47	26°38	11°53	4°57	29°34	23°28	27°15	24°45	5°24	12° 0	16° 5	15°56	26°38	14°34	T 11
W12	1 22 29	18°43'01	8♂34	12°22	6° 5	0♂8	23°34	27°21	24°43	5°22	12° 1	16° 5	15°53	26°45	14°39	W12
T 13	1 26 26	19°42'18	20°25	12°45	7°14	0°43	23°40	27°27	24°41	5°21	12° 2	16° 6	15°49	26°51	14°43	T 13
F 14	1 30 23	20°41'36	2♂15	13° 3	8°22	1°17	23°45	27°33	24°39	5°19	12° 2	16° 6	15°46	26°58	14°48	F 14
S 15	1 34 19	21°40'57	14° 9	13°13	9°31	1°52	23°50	27°39	24°37	5°17	12° 3	16° 7	15°43	27° 5	14°52	S 15
S 16	1 38 16	22°40'20	2♂ 9	13°R17	10°40	2°27	23°55	27°45	24°35	5°16	12° 4	16° 7	15°40	27°11	14°56	S 16
M17	1 42 12	23°39'45	8♂19	13°14	11°49	3° 3	24° 0	27°52	24°33	5°14	12° 5	16° 8	15°37	27°18	15° 0	M17
T 18	1 46 9	24°39'13	20°40	13° 3	12°59	3°39	24° 5	27°58	24°31	5°13	12° 5	16°R 8	15°34	27°25	15° 4	T 18
W19	1 50 5	25°38'42	3♂14	12°43	14° 8	4°14	24°10	28° 4	24°29	5°11	12° 6	16° 7	15°30	27°31	15° 8	W19
T 20	1 54 2	26°38'14	16° 2	12°15	15°18	4°51	24°14	28°11	24°27	5°10	12° 7	16° 6	15°27	27°38	15°12	T 20
F 21	1 57 58	27°37'47	29° 3	11°39	16°27	5°27	24°18	28°17	24°25	5° 8	12° 7	16° 5	15°24	27°45	15°16	F 21
S 22	2 1 55	28°37'22	12♂18	10°54	17°37	6° 3	24°23	28°24	24°23	5° 7	12° 8	16° 3	15°21	27°51	15°20	S 22
S 23	2 5 52	29°36'59	25°46	10° 1	18°47	6°40	24°26	28°30	24°21	5° 5	12° 9	16° 2	15°18	27°58	15°23	S 23
M24	2 9 48	0♂36'38	9♂27	9° 0	19°58	7°17	24°30	28°37	24°19	5° 4	12° 9	16° 0	15°15	28° 5	15°27	M24
T 25	2 13 45	1°36'19	23°20	7°53	21° 8	7°54	24°34	28°43	24°16	5° 2	12°10	15°59	15°11	28°12	15°30	T 25
W26	2 17 41	2°36'01	7♂24	6°42	22°18	8°31	24°37	28°50	24°14	5° 1	12°10	15°D59	15° 8	28°18	15°34	W26
T 27	2 21 38	3°35'45	21°37	5°27	23°29	9° 9	24°40	28°57	24°12	4°59	12°11	16° 0	15° 5	28°25	15°37	T 27
F 28	2 25 34	4°35'31	5♂58	4°11	24°40	9°47	24°43	29° 3	24° 9	4°58	12°11	16° 1	15° 2	28°32	15°40	F 28
S 29	2 29 31	5°35'18	20°24	2°57	25°50	10°24	24°46	29°10	24° 7	4°57	12°11	16° 2	14°59	28°38	15°44	S 29
S 30	2 33 27	6°35'06	4°V50	1°46	27° 1	11° 2	24°49	29°17	24° 5	4°55	12°12	16° 3	14°55	28°45	15°47	S 30
M31	2 37 24	7♂34'57	19°V12	0♂40	28♂12	11♂40	24♂51	29♂23	24♂2	4°V54	12♂12	16°R 4	14°V52	28♂52	15♂49	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	3s 8	10s15	3s 3	15s 6	2s35	13n 9	0s28	24s39	3s26	21n33	0s 1	17s27	1n54	18n43	0s18	0n56
S 2	3 31	3 19	1 50	15 34	2 41	12 51	0 24	24 31	3 23	21 32	0 1	17 28	1 54	18 42	0 18	0 56
M 3	3 54	3n45	0 30	16 0	2 47	12 33	0 19	24 22	3 21	21 30	0 1	17 30	1 54	18 42	0 18	0 55
T 4	4 17	10 31	0n50	16 25	2 53	12 15	0 14	24 14	3 19	21 29	0 1	17 31	1 54	18 42	0 18	0 54
W 5	4 40	16 36	2 6	16 49	2 59	11 56	0 10	24 6	3 16	21 28	0 1	17 33	1 54	18 41	0 18	0 54
T 6	5 3	21 39	3 12	17 11	3 4	11 37	0 5	23 57	3 14	21 27	0 1	17 34	1 53	18 41	0 18	0 53
F 7	5 26	25 25	4 5	17 32	3 9	11 18	0 1	23 48	3 11	21 26	0 1	17 36	1 53	18 40	0 18	0 53
S 8	5 49	27 44	4 44	17 51	3 13	10 58	0n 3	23 39	3 9	21 25	0 0	17 37	1 53	18 40	0 18	0 52
S 9	6 12	28 32	5 8	18 8	3 17	10 38	0 8	23 30	3 7	21 24	0 0	17 39	1 53	18 40	0 18	0 51
M10	6 34	27 53	5 17	18 23	3 20	10 17	0 12	23 21	3 4	21 24	0 0	17 40	1 53	18 39	0 18	0 51
T 11	6 57	25 55	5 12	18 35	3 22	9 56	0 16	23 11	3 2	21 23	0 0	17 42	1 53	18 39	0 18	0 50
W12	7 20	22 49	4 53	18 46	3 24	9 35	0 20	23 2	3 0	21 22	0 0	17 43	1 52	18 38	0 18	0 49
T 13	7 42	18 49	4 22	18 54	3 25	9 13	0 24	22 52	2 58	21 21	0n 0	17 45	1 52	18 38	0 18	0 49
F 14	8 4	14 5	3 40	18 59	3 24	8 51	0 28	22 42	2 55	21 20	0 0	17 46	1 52	18 37	0 18	0 48
S 15	8 27	8 49	2 48	19 1	3 23	8 29	0 32	22 32	2 53	21 19	0 0	17 48	1 52	18 37	0 18	0 47
S 16	8 49	3 11	1 49	19 0	3 21	8 6	0 36	22 22	2 51	21 19	0 0	17 49	1 52	18 36	0 18	0 47
M17	9 11	2s38	0 43	18 56	3 17	7 44	0 39	22 11	2 48	21 18	0 1	17 51	1 52	18 36	0 18	0 46
T 18	9 33	8 27	0s25	18 48	3 12	7 20	0 43	22 1	2 46	21 17	0 1	17 52	1 52	18 35	0 18	0 46
W19	9 54	14 3	1 33	18 36	3 6	6 57	0 46	21 50	2 44	21 16	0 1	17 54	1 51	18 35	0 18	0 45
T 20	10 16	19 8	2 38	18 19	2 58	6 33	0 50	21 39	2 42	21 16	0 1	17 56	1 51	18 34	0 18	0 44
F 21	10 37	23 26	3 36	17 59	2 48	6 9	0 53	21 28	2 39	21 15	0 1	17 57	1 51	18 34	0 18	0 44
S 22	10 59	26 35	4 23	17 34	2 37	5 45	0 56	21 17	2 37	21 15	0 1	17 59	1 51	18 33	0 18	0 43
S 23	11 20	28 17	4 57	17 4	2 23	5 21	1 0	21 5	2 35	21 14	0 1	18 0	1 51	18 33	0 18	0 43
M24	11 41	28 18	5 14	16 30	2 8	4 56	1 3	20 54	2 33	21 13	0 1	18 2	1 51	18 32	0 18	0 42
T 25	12 1	26 33	5 13	15 53	1 51	4 31	1 6	20 42	2 31	21 13	0 2	18 3	1 51	18 32	0 18	0 42
W26	12 22	23 9	4 54	15 12	1 33	4 6	1 9	20 30	2 29	21 12	0 2	18 5	1 51	18 31	0 18	0 41
T 27	12 42	18 20	4 17	14 29	1 14	3 41	1 11	20 18	2 26	21 12	0 2	18 6	1 50	18 31	0 18	0 40
F 28	13 2	12 28	3 24	13 44	0 53	3 15	1 14	20 6	2 24	21 12	0 2	18 8	1 50	18 30	0 18	0 40
S 29	13 22	5 54	2 17	13 0	0 33	2 50	1 17	19 54	2 22	21 11	0 2	18 9	1 50	18 30	0 18	0 39
S 30	13 42	0n59	1 2	12 16	0 12	2 24	1 19	19 41	2 20	21 11	0 2	18 11	1 50	18 29	0 18	0 39
M31	14s 2	7n47	0n17	11s34	0n 8	1n58	1n22	19s29	2s18	21n11	0n 2	18s13	1n50	18n28	0s18	0n38

Julian Day Number = 2521579.5, Delta T = 155.15 sec
Ecliptic obliquity = 23°25'01, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°25'12, Lahiri = 26°32'12

ASTRODIENST EPHEMERIS for the year 2191
geocentric

NOVEMBER 2191

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 41 21	8♉34°49	3♈25	29♍R43	29♍24	12♉19	24♈53	29♉30	24♍R 0	4♍R52	12♉13	16♍R 3	14♍R49	28♉58	15♉52	T 1
W 2	2 45 17	9°34'44	17°24	28♈55	0♈35	12°57	24°55	29°37	23♈58	4♍R51	12°13	16♍R 1	14°46	29° 5	15°55	W 2
T 3	2 49 14	10°34'40	1♈6	28°17	1°46	13°36	24°57	29°44	23°55	4°50	12°13	15°58	14°43	29°12	15°58	T 3
F 4	2 53 10	11°34'39	14°27	27°51	2°58	14°14	24°59	29°51	23°53	4°49	12°13	15°54	14°40	29°18	16° 0	F 4
S 5	2 57 7	12°34'39	27°27	27°36	4°10	14°53	25° 0	29°58	23°50	4°47	12°14	15°49	14°36	29°25	16° 3	S 5
S 6	3 1 3	13°34'42	10♈7	27°D33	5°21	15°32	25° 2	0♍R 5	23°48	4°46	12°14	15°45	14°33	29°32	16° 5	S 6
M 7	3 5 0	14°34'46	22°29	27°41	6°33	16°11	25° 3	0°12	23°46	4°45	12°14	15°42	14°30	29°38	16° 7	M 7
T 8	3 8 56	15°34'53	4♈36	27°59	7°45	16°51	25° 4	0°19	23°43	4°44	12°14	15°40	14°27	29°45	16°10	T 8
W 9	3 12 53	16°35'02	16°32	28°27	8°57	17°30	25° 4	0°26	23°41	4°43	12°14	15°D39	14°24	29°52	16°12	W 9
T 10	3 16 50	17°35'12	28°23	29° 5	10° 9	18° 9	25° 5	0°33	23°38	4°42	12°14	15°40	14°21	29°59	16°14	T 10
F 11	3 20 46	18°35'25	10♍13	29°50	11°22	18°49	25° 5	0°40	23°36	4°40	12°14	15°42	14°17	0♍R 5	16°16	F 11
S 12	3 24 43	19°35'40	22° 8	0♉43	12°34	19°29	25°R 5	0°47	23°33	4°39	12°15	15°43	14°14	0°12	16°17	S 12
S 13	3 28 39	20°35'56	4♈12	1°42	13°46	20° 8	25° 5	0°54	23°31	4°38	12°R15	15°45	14°11	0°19	16°19	S 13
M14	3 32 36	21°36'15	16°29	2°46	14°59	20°48	25° 5	1° 1	23°28	4°37	12°15	15°R46	14° 8	0°25	16°21	M14
T 15	3 36 32	22°36'36	29° 2	3°56	16°12	21°28	25° 4	1° 8	23°26	4°36	12°14	15°45	14° 5	0°32	16°22	T 15
W16	3 40 29	23°36'58	11♉53	5° 9	17°24	22° 9	25° 3	1°15	23°23	4°35	12°14	15°42	14° 1	0°39	16°24	W16
T 17	3 44 25	24°37'22	25° 2	6°26	18°37	22°49	25° 3	1°22	23°21	4°34	12°14	15°37	13°58	0°45	16°25	T 17
F 18	3 48 22	25°37'48	8♍R19	7°46	19°50	23°29	25° 1	1°29	23°18	4°33	12°14	15°31	13°55	0°52	16°26	F 18
S 19	3 52 19	26°38'15	22°11	9° 9	21° 3	24°10	25° 0	1°36	23°16	4°33	12°14	15°24	13°52	0°59	16°27	S 19
S 20	3 56 15	27°38'44	6♈5	10°34	22°16	24°50	24°59	1°43	23°13	4°32	12°14	15°17	13°49	1° 5	16°28	S 20
M21	4 0 12	28°39'15	20° 7	12° 0	23°29	25°31	24°57	1°50	23°11	4°31	12°14	15°11	13°46	1°12	16°29	M21
T 22	4 4 8	29°39'46	4♉15	13°28	24°42	26°12	24°55	1°58	23° 8	4°30	12°13	15° 6	13°42	1°19	16°30	T 22
W23	4 8 5	0♍R40'19	18°24	14°58	25°55	26°52	24°53	2° 5	23° 6	4°29	12°13	15° 4	13°39	1°25	16°30	W23
T 24	4 12 1	1°40'53	2♈33	16°28	27° 9	27°33	24°51	2°12	23° 3	4°29	12°13	15°D 3	13°36	1°32	16°31	T 24
F 25	4 15 58	2°41'28	16°39	17°59	28°22	28°14	24°48	2°19	23° 1	4°28	12°13	15° 4	13°33	1°39	16°31	F 25
S 26	4 19 55	3°42'04	0♍R43	19°31	29°35	28°55	24°45	2°26	22°58	4°27	12°12	15° 5	13°30	1°45	16°32	S 26
S 27	4 23 51	4°42'41	14°42	21° 3	0♉49	29°36	24°42	2°33	22°56	4°27	12°12	15°R 5	13°27	1°52	16°32	S 27
M28	4 27 48	5°43'20	28°36	22°36	2° 2	0♈18	24°39	2°40	22°54	4°26	12°12	15° 5	13°23	1°59	16°32	M28
T 29	4 31 44	6°43'59	12♈22	24° 9	3°16	0°59	24°36	2°47	22°51	4°25	12°11	15° 1	13°20	2° 5	16°R32	T 29
W30	4 35 41	7♍R44'40	25♈58	25♉42	4♉29	1♈40	24°33	2♍R55	22♈49	4♍R25	12♉11	14♍R56	13♍R17	2♍R12	16♉32	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	decl	lat
T 1	14s21	14n 7	1n34	10s56	0n28	1n32	1n24	19s16	2s16	21n10	0n 2	18s14	1n50	18n28	0s18	0n38	1s25	22n16	5n23	6n18	5n50	15n17	9n33	6s49			
W 2	14 40	19 38	2 44	10 22	0 46	1 6	1 27	19 3	2 14	21 10	0 3	18 16	1 50	18 27	0 18	0 37	1 25	22 17	5 23	6 18	5 49	15 14	9 31	6 50			
T 3	14 59	23 59	3 43	9 53	1 3	0 39	1 29	18 50	2 12	21 10	0 3	18 17	1 50	18 27	0 18	0 37	1 25	22 17	5 23	6 16	5 48	15 11	9 30	6 50			
F 4	15 18	26 56	4 28	9 29	1 18	0 13	1 31	18 37	2 10	21 10	0 3	18 19	1 50	18 26	0 18	0 36	1 25	22 17	5 23	6 15	5 46	15 8	9 29	6 51			
S 5	15 36	28 21	4 57	9 12	1 31	0s14	1 33	18 23	2 8	21 10	0 3	18 20	1 50	18 25	0 18	0 36	1 25	22 17	5 23	6 13	5 45	15 5	9 27	6 51			
S 6	15 54	28 13	5 12	9 0	1 43	0 41	1 35	18 10	2 6	21 9	0 3	18 22	1 49	18 25	0 18	0 35	1 25	22 17	5 24	6 12	5 44	15 2	9 26	6 52			
M 7	16 12	26 39	5 11	8 53	1 52	1 7	1 37	17 56	2 4	21 9	0 3	18 23	1 49	18 24	0 18	0 35	1 25	22 17	5 24	6 10	5 43	14 59	9 25	6 53			
T 8	16 29	23 53	4 56	8 53	2 0	1 34	1 38	17 42	2 2	21 9	0 3	18 25	1 49	18 24	0 18	0 35	1 25	22 17	5 24	6 10	5 41	14 56	9 23	6 53			
W 9	16 47	20 8	4 29	8 57	2 6	2 1	1 40	17 28	2 0	21 9	0 3	18 26	1 49	18 23	0 18	0 34	1 25	22 18	5 24	6 9	5 40	14 53	9 22	6 54			
T 10	17 4	15 37	3 50	9 6	2 11	2 28	1 41	17 14	1 58	21 9	0 4	18 28	1 49	18 22	0 18	0 34	1 25	22 18	5 25	6 10	5 39	14 50	9 21	6 55			
F 11	17 20	10 32	3 2	9 18	2 14	2 55	1 43	17 0	1 56	21 9	0 4	18 29	1 49	18 22	0 18	0 33	1 25	22 18	5 25	6 10	5 38	14 47	9 20	6 55			
S 12	17 37	5 2	2 5	9 35	2 16	3 22	1 44	16 46	1 54	21 10	0 4	18 31	1 49	18 21	0 18	0 33	1 25	22 18	5 25	6 11	5 37	14 44	9 19	6 56			
S 13	17 53	0s43	1 3	9 55	2 17	3 49	1 45	16 31	1 52	21 10	0 4	18 32	1 49	18 21	0 18	0 33	1 25	22 18	5 25	6 12	5 35	14 42	9 18	6 57			
M14	18 9	6 32	0s 4	10 17	2 16	4 15	1 47	16 17	1 50	21 10	0 4	18 34	1 49	18 20	0 18	0 32	1 25	22 19	5 25	6 12	5 34	14 39	9 16	6 57			
T 15	18 24	12 14	1 12	10 42	2 15	4 42	1 48	16 2	1 48	21 10	0 4	18 35	1 49	18 19	0 18	0 32	1 25	22 19	5 26	6 11	5 33	14 36	9 15	6 58			
W16	18 40	17 34	2 17	11 8	2 13	5 9	1 49	15 47	1 46	21 10	0 4	18 37	1 49	18 19	0 18	0 31	1 25	22 19	5 26	6 10	5 32	14 33	9 14	6 59			
T 17	18 54	22 12	3 17	11 36	2 10	5 36	1 50	15 32	1 44	21 11	0 5	18 38	1 49	18 18	0 18	0 31	1 25	22 19	5 26	6 9	5 30	14 30	9 13	7 0			
F 18	19 9	25 46	4 7	12 6	2 6	6 3	1 50	15 17	1 42	21 11	0 5	18 40	1 49	18 18	0 18	0 31	1 25	22 20	5 26	6 6	5 29	14 27	9 12	7 0			
S 19	19 23	27 55	4 44	12 36	2 2	6 29	1 51	15 2	1 40	21 11	0 5	18 41	1 49	18 17	0 18	0 30	1 25	22 20	5 26	6 4	5 28	14 24	9 11	7 1			
S 20	19 37	28 21	5 5	13 7	1 58	6 56	1 52	14 47	1 39	21 12	0 5	18 43	1 48	18 16	0 18	0 30	1 25	22 20	5 27	6 1	5 27	14 21	9 10	7 2			
M21	19 50	26 59	5 8	13 38	1 52	7 22	1 52	14 31	1 37	21 12	0 5	18 44	1 48	18 16	0 18	0 30	1 25	22 20	5 27	5 58	5 25	14 18	9 10	7 2			
T 22	20 4	23 54	4 52	14 10	1 47	7 49	1 53	14 16	1 35	21 13	0 5	18 46	1 48	18 15	0 18	0 30	1 25	22 21	5 27	5 57	5 24	14 15	9 9	7 3			
W23	20 16	19 23	4 18	14 42	1 41	8 15	1 53	14 0	1 33	21 13	0 5	18 47	1 48	18 14	0 18	0 29	1 25	22 21	5 27	5 56	5 23	14 12	9 8	7 4			
T 24	20 29	13 49	3 29	15 14	1 35	8 41	1 53	13 44	1 31	21 14	0 6	18 49	1 48	18 14	0 18	0 29	1 25	22 21	5 28	5 55	5 22	14 9	9 7	7 4			
F 25	20 41	7 31	2 27	15 45	1 29	9 7	1 53	13 28	1 29	21 14	0 6	18 50	1 48	18 13	0 18	0 29	1 25	22 21	5 28	5 56	5 21	14 6	9 6	7 5			
S 26	20 52	0 53	1 17	16 16	1 22	9 33	1 53	13 12	1 28	21 15	0 6	18 52	1 48	18 13	0 18	0 29	1 25	22 22	5 28	5 56	5 19	14 3	9 6	7 6			
S 27	21 4	5n46	0 2	16 47	1 15	9 58	1 53	12 56	1 26	21 16	0 6	18 53	1 48	18 12	0 18	0 28	1 24	22 22	5 28	5 56	5 18	13 59	9 5	7 6			
M28	21 14	12 5	1n12	17 18	1 9	10 24	1 53	12 40	1 24	21 16	0 6	18 54	1 48	18 11	0 18	0 28	1 24	22 22	5 28	5 56	5 17	13 56	9 4	7 7			
T 29	21 25	17 46	2 21	17 48	1 2	10 49	1 53	12 24	1 22	21 17	0 6	18 56	1 48	18 11	0 18	0 28	1 24	22 23	5 29	5 55	5 16	13 53	9 3	7 8			
W30	21s35	22n29	3n21	18s17	0n55	11s14	1n53	12s 8	1s21	21n18	0n 6	18s57	1n48	18n10	0s18	0n28	1s24	22n23	5n29	5n53	5n14	13n50	9n 3	7s 8			

ASTRODIENST EPHEMERIS for the year 2191

geocentric

DECEMBER 2191

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

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	
T 1	21s44	25n56	4n 9	18s45	0n48	11s39	1n52	11s51	1s19	21n19	0n 7	18s59	1n48	18n10	0s18
F 2	21 54	27 54	4 43	19 13	0 41	12 3	1 52	11 35	1 17	21 20	0 7	19 0	1 48	18 9	0 18
S 3	22 2	28 19	5 1	19 40	0 34	12 28	1 51	11 18	1 16	21 20	0 7	19 1	1 48	18 9	0 18
S 4	22 11	27 14	5 4	20 6	0 26	12 52	1 51	11 1	1 14	21 21	0 7	19 3	1 48	18 8	0 18
M 5	22 19	24 50	4 53	20 31	0 19	13 15	1 50	10 45	1 12	21 22	0 7	19 4	1 48	18 7	0 18
T 6	22 26	21 21	4 28	20 55	0 12	13 39	1 49	10 28	1 11	21 23	0 7	19 5	1 48	18 7	0 18
W 7	22 33	17 3	3 53	21 19	0 5	14 2	1 48	10 11	1 9	21 24	0 7	19 7	1 48	18 6	0 18
T 8	22 40	12 8	3 7	21 41	0s 2	14 25	1 48	9 54	1 7	21 25	0 8	19 8	1 48	18 6	0 18
F 9	22 46	6 48	2 14	22 2	0 9	14 47	1 47	9 37	1 6	21 26	0 8	19 9	1 48	18 5	0 18
S 10	22 52	1 11	1 14	22 22	0 15	15 9	1 45	9 20	1 4	21 27	0 8	19 11	1 48	18 5	0 18
S 11	22 57	4s33	0 10	22 41	0 22	15 31	1 44	9 2	1 2	21 28	0 8	19 12	1 48	18 4	0 18
M 12	23 2	10 15	0s55	22 59	0 29	15 53	1 43	8 45	1 1	21 29	0 8	19 13	1 48	18 4	0 18
T 13	23 6	15 41	1 59	23 16	0 35	16 14	1 42	8 28	0 59	21 30	0 8	19 14	1 48	18 3	0 18
W 14	23 10	20 34	2 59	23 31	0 41	16 34	1 41	8 11	0 58	21 32	0 9	19 16	1 48	18 3	0 18
T 15	23 14	24 34	3 51	23 46	0 48	16 54	1 39	7 53	0 56	21 33	0 9	19 17	1 48	18 2	0 18
F 16	23 17	27 17	4 31	23 59	0 54	17 14	1 38	7 36	0 55	21 34	0 9	19 18	1 48	18 1	0 18
S 17	23 17	28 19	4 55	24 11	1 0	17 33	1 36	7 18	0 53	21 35	0 9	19 19	1 48	18 1	0 18
S 18	23 21	27 29	5 1	24 22	1 5	17 52	1 34	7 0	0 52	21 36	0 9	19 21	1 48	18 1	0 17
M 19	23 23	24 47	4 48	24 31	1 11	18 11	1 33	6 43	0 50	21 38	0 9	19 22	1 48	18 0	0 17
T 20	23 24	20 29	4 16	24 39	1 16	18 29	1 31	6 25	0 49	21 39	0 9	19 23	1 48	18 0	0 17
W 21	23 25	15 0	3 28	24 46	1 21	18 46	1 29	6 7	0 47	21 40	0 10	19 24	1 48	17 59	0 17
T 22	23 25	8 46	2 28	24 51	1 26	19 3	1 27	5 50	0 46	21 41	0 10	19 25	1 48	17 59	0 17
F 23	23 25	2 9	1 19	24 56	1 31	19 19	1 26	5 32	0 44	21 43	0 10	19 26	1 48	17 58	0 17
S 24	23 24	4n28	0 6	24 58	1 36	19 35	1 24	5 14	0 43	21 44	0 10	19 27	1 48	17 58	0 17
S 25	23 23	10 47	1n 6	25 0	1 40	19 51	1 22	4 56	0 42	21 45	0 10	19 29	1 48	17 57	0 17
M 26	23 21	16 31	2 14	25 0	1 44	20 6	1 20	4 38	0 40	21 47	0 10	19 30	1 48	17 57	0 17
T 27	23 19	21 23	3 12	24 58	1 48	20 20	1 17	4 20	0 39	21 48	0 10	19 31	1 48	17 57	0 17
W 28	23 16	25 6	4 0	24 55	1 52	20 34	1 15	4 2	0 37	21 49	0 11	19 32	1 48	17 56	0 17
T 29	23 13	27 28	4 34	24 51	1 55	20 47	1 13	3 44	0 36	21 51	0 11	19 33	1 48	17 56	0 17
F 30	23 10	28 19	4 54	24 45	1 58	20 59	1 11	3 26	0 35	21 52	0 11	19 34	1 48	17 55	0 17
S 31	23s 6	27n40	4n59	24s37	2s 0	21s11	1n 9	3s 8	0s33	21n53	0n11	19s35	1n48	17n55	0s17

Julian Day Number = 2521640.5, Delta T = 155.30 sec

Ecliptic obliquity = 23°25'00, Nutation = - 0°00'05, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 27°25'20, Lahiri = 26°32'20