SWISS EPHEMERIS for the year 1638

JANUARY 1638 GC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷
F 1	6 42 34	10♑46'39	18♋ 7	0♑47	22♒17	2♏21	1♏44	25♑50	23♎ 7	20♏18	27°R48	16°D10	16♑29	23♑42	9°R 4
S 2	6 46 30	11°47'48	3♌18	2°21	23°28	2°56	1°52	25°57	23° 9	20°19	27♉47	16♑10	16°26	23°49	9♉ 3
S 3	6 50 27	12°48'57	18°20	3°54	24°39	3°31	1°59	26° 4	23°10	20°21	27°47	16°11	16°23	23°55	9° 2
M 4	6 54 23	13°50'06	3♍ 3	5°28	25°50	4° 5	2° 7	26°11	23°11	20°22	27°46	16°11	16°20	24° 2	9° 1
T 5	6 58 20	14°51'14	17°23	7° 3	27° 1	4°40	2°15	26°18	23°13	20°24	27°45	16°11	16°17	24° 9	9° 0
W 6	7 2 16	15°52'23	1♎17	8°38	28°12	5°15	2°22	26°25	23°14	20°25	27°44	16°R11	16°14	24°15	8°59
T 7	7 6 13	16°53'31	14°46	10°13	29°22	5°49	2°30	26°32	23°15	20°27	27°44	16°D11	16°10	24°22	8°59
F 8	7 10 9	17°54'40	27°51	11°49	0♓33	6°24	2°37	26°39	23°16	20°28	27°43	16°11	16° 7	24°29	8°58
S 9	7 14 6	18°55'48	10♏35	13°25	1°43	6°58	2°44	26°46	23°17	20°29	27°42	16°11	16° 4	24°35	8°58
S 10	7 18 3	19°56'57	23° 1	15° 2	2°53	7°32	2°51	26°53	23°18	20°31	27°42	16°12	16° 1	24°42	8°57
M11	7 21 59	20°58'04	5♐14	16°40	4° 3	8° 6	2°57	27° 0	23°19	20°32	27°41	16°12	15°58	24°48	8°57
T 12	7 25 56	21°59'12	17°15	18°17	5°13	8°41	3° 4	27° 7	23°20	20°33	27°40	16°13	15°55	24°55	8°56
W13	7 29 52	23° 0'19	29°10	19°56	6°23	9°15	3°11	27°14	23°21	20°35	27°40	16°13	15°51	25° 2	8°56
T 14	7 33 49	24° 1'26	11♑ 0	21°35	7°33	9°49	3°17	27°22	23°22	20°36	27°39	16°R14	15°48	25° 8	8°56
F 15	7 37 45	25° 2'32	22°47	23°14	8°43	10°23	3°23	27°29	23°22	20°37	27°39	16°14	15°45	25°15	8°55
S 16	7 41 42	26° 3'38	4♒34	24°54	9°52	10°56	3°29	27°36	23°23	20°38	27°38	16°13	15°42	25°22	8°55
S 17	7 45 38	27° 4'42	16°24	26°35	11° 1	11°30	3°35	27°43	23°24	20°40	27°38	16°12	15°39	25°28	8°D55
M18	7 49 35	28° 5'46	28°17	28°16	12°10	12° 4	3°41	27°50	23°24	20°41	27°37	16°10	15°35	25°35	8°55
T 19	7 53 32	29° 6'49	10♓17	29°58	13°19	12°37	3°46	27°57	23°25	20°42	27°37	16° 8	15°32	25°42	8°55
W20	7 57 28	0♒ 7'51	22°26	1♒41	14°28	13°11	3°51	28° 4	23°25	20°43	27°36	16° 6	15°29	25°48	8°55
T 21	8 1 25	1° 8'51	4♈48	3°24	15°37	13°44	3°57	28°11	23°25	20°44	27°36	16° 4	15°26	25°55	8°56
F 22	8 5 21	2° 9'51	17°24	5° 7	16°45	14°18	4° 2	28°18	23°26	20°45	27°35	16° 3	15°23	26° 2	8°56
S 23	8 9 18	3°10'49	0♉19	6°51	17°53	14°51	4° 7	28°26	23°26	20°46	27°35	16°D 2	15°20	26° 8	8°56
S 24	8 13 14	4°11'46	13°37	8°36	19° 1	15°24	4°11	28°33	23°26	20°47	27°35	16° 3	15°16	26°15	8°57
M25	8 17 11	5°12'42	27°18	10°21	20° 9	15°57	4°16	28°40	23°26	20°48	27°34	16° 4	15°13	26°22	8°57
T 26	8 21 7	6°13'37	11♊25	12° 7	21°17	16°30	4°20	28°47	23°27	20°49	27°34	16° 5	15°10	26°28	8°58
W27	8 25 4	7°14'30	25°57	13°53	22°24	17° 3	4°25	28°54	23°R27	20°50	27°34	16° 6	15° 7	26°35	8°58
T 28	8 29 1	8°15'22	10♋49	15°40	23°31	17°36	4°29	29° 1	23°27	20°50	27°33	16°R 7	15° 4	26°41	8°59
F 29	8 32 57	9°16'13	25°57	17°27	24°38	18° 9	4°33	29° 8	23°27	20°51	27°33	16° 7	15° 1	26°48	9° 0
S 30	8 36 54	10°17'02	11♌11	19°14	25°45	18°41	4°36	29°15	23°26	20°52	27°33	16° 6	14°57	26°55	9° 0
S 31	8 40 50	11♒17'51	26♌21	21♒ 1	26♓52	19♏14	4♏40	29♑22	23♎26	20♏53	27♉32	16♑ 3	14♑54	27♑ 1	9♉ 1

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	23s 3	22n 5	0s11	24s29	1s 0	15s44	1s42	11s 5	1n19	10s57	1n13	21s17	0s16	8s27	0n36	16s11	1n44	7n 8	12s53	22s30	22s28	20s46	12n42	1s56
S 2	22 58	17 56	1 34	24 34	1 6	15 18	1 40	11 17	1 19	11 0	1 13	21 16	0 16	8 27	0 36	16 11	1 44	7 8	12 53	22 30	22 28	20 44	12 42	1 56
S 3	22 52	12 41	2 50	24 37	1 11	14 52	1 38	11 29	1 19	11 3	1 13	21 15	0 16	8 28	0 36	16 12	1 44	7 8	12 53	22 30	22 29	20 42	12 42	1 56
M 4	22 46	6 47	3 52	24 39	1 17	14 26	1 36	11 41	1 18	11 5	1 13	21 13	0 16	8 28	0 36	16 12	1 44	7 8	12 52	22 30	22 29	20 40	12 42	1 56
T 5	22 39	0 43	4 39	24 40	1 22	14 0	1 33	11 52	1 18	11 8	1 14	21 12	0 16	8 29	0 36	16 12	1 44	7 8	12 52	22 30	22 30	20 38	12 41	1 56
W 6	22 32	5s13	5 8	24 39	1 27	13 33	1 31	12 4	1 18	11 10	1 14	21 11	0 17	8 29	0 36	16 13	1 44	7 9	12 52	22 30	22 30	20 36	12 41	1 56
T 7	22 25	10 43	5 18	24 36	1 31	13 6	1 28	12 16	1 18	11 12	1 14	21 10	0 17	8 29	0 36	16 13	1 44	7 9	12 52	22 30	22 30	20 34	12 41	1 56
F 8	22 17	15 34	5 12	24 33	1 36	12 38	1 26	12 27	1 18	11 15	1 14	21 8	0 17	8 30	0 36	16 13	1 44	7 9	12 51	22 30	22 31	20 32	12 41	1 56
S 9	22 9	19 37	4 50	24 28	1 40	12 10	1 23	12 39	1 18	11 17	1 14	21 7	0 17	8 30	0 36	16 14	1 44	7 9	12 51	22 30	22 31	20 30	12 41	1 56
S 10	22 0	22 40	4 15	24 21	1 44	11 42	1 20	12 50	1 17	11 19	1 14	21 6	0 17	8 30	0 36	16 14	1 44	7 9	12 51	22 30	22 31	20 28	12 40	1 56
M11	21 51	24 38	3 29	24 13	1 47	11 14	1 17	13 1	1 17	11 21	1 15	21 4	0 17	8 31	0 36	16 14	1 45	7 9	12 51	22 30	22 32	20 26	12 40	1 56
T 12	21 41	25 26	2 34	24 4	1 50	10 45	1 14	13 12	1 17	11 23	1 15	21 3	0 17	8 31	0 36	16 15	1 45	7 9	12 50	22 30	22 32	20 24	12 40	1 56
W13	21 31	25 3	1 34	23 52	1 53	10 17	1 11	13 23	1 17	11 25	1 15	21 2	0 17	8 31	0 36	16 15	1 45	7 9	12 50	22 30	22 33	20 22	12 40	1 56
T 14	21 21	23 31	0 29	23 40	1 56	9 48	1 7	13 34	1 16	11 27	1 15	21 1	0 17	8 32	0 36	16 15	1 45	7 9	12 50	22 30	22 33	20 20	12 40	1 56
F 15	21 10	20 58	0n36	23 26	1 58	9 18	1 4	13 45	1 16	11 29	1 15	20 59	0 17	8 32	0 37	16 16	1 45	7 10	12 50	22 30	22 33	20 17	12 40	1 56
S 16	20 59	17 32	1 40	23 10	2 0	8 49	1 0	13 56	1 16	11 31	1 16	20 58	0 17	8 32	0 37	16 16	1 45	7 10	12 49	22 30	22 34	20 15	12 40	1 56
S 17	20 47	13 25	2 40	22 53	2 2	8 19	0 57	14 7	1 16	11 33	1 16	20 57	0 17	8 32	0 37	16 16	1 45	7 10	12 49	22 30	22 34	20 13	12 40	1 56
M18	20 35	8 46	3 33	22 34	2 3	7 49	0 53	14 17	1 16	11 35	1 16	20 55	0 17	8 32	0 37	16 16	1 45	7 10	12 49	22 30	22 34	20 11	12 40	1 56
T 19	20 23	3 46	4 17	22 13	2 4	7 19	0 49	14 28	1 15	11 36	1 16	20 54	0 17	8 33	0 37	16 17	1 45	7 10	12 49	22 31	22 35	20 9	12 40	1 56
W20	20 10	1n26	4 50	21 51	2 5	6 49	0 45	14 38	1 15	11 38	1 16	20 52	0 18	8 33	0 37	16 17	1 45	7 10	12 48	22 31	22 35	20 7	12 40	1 56
T 21	19 57	6 39	5 10	21 27	2 5	6 19	0 41	14 48	1 15	11 39	1 17	20 51	0 18	8 33	0 37	16 17	1 45	7 11	12 48	22 31	22 36	20 5	12 40	1 56
F 22	19 43	11 43	5 16	21 2	2 4	5 49	0 37	14 59	1 14	11 41	1 17	20 50	0 18	8 33	0 37	16 17	1 45	7 11	12 48	22 31	22 36	20 3	12 40	1 56
S 23	19 29	16 23	5 7	20 35	2 3	5 18	0 33	15 9	1 14	11 42	1 17	20 48	0 18	8 33	0 37	16 17	1 45	7 11	12 47	22 31	22 36	20 1	12 40	1 56
S 24	19 15	20 25	4 41	20 6	2 2	4 47	0 29	15 19	1 14	11 44	1 17	20 47	0 18	8 33	0 37	16 18	1 45	7 11	12 47	22 31	22 37	19 59	12 41	1 56
M25	19 0	23 28	3 58	19 36	2 0	4 17	0 24	15 28	1 14	11 45	1 17	20 46	0 18	8 33	0 37	16 18	1 45	7 11	12 47	22 31	22 37	19 57	12 41	1 56
T 26	18 45	25 10	3 0	19 5	1 58	3 46	0 20	15 38	1 13	11 46	1 18	20 44	0 18	8 33	0 37	16 18	1 45	7 12	12 47	22 31	22 37	19 55	12 41	1 56
W27	18 30	25 15	1 49	18 31	1 55	3 15	0 15	15 48	1 13	11 48	1 18	20 43	0 18	8 33	0 37	16 18	1 45	7 12	12 46	22 31	22 38	19 52	12 41	1 56
T 28	18 14	23 32	0 29	17 57	1 51	2 44	0 11	15 57	1 13	11 49	1 18	20 42	0 18	8 33	0 37	16 18	1 45	7 12	12 46	22 31	22 38	19 50	12 41	1 56
F 29	17 58	20 7	0s54	17 20	1 47	2 13	0 6	16 7	1 12	11 50	1 18	20 40	0 18	8 33	0 37	16 18	1 45	7 12	12 46	22 31	22 38	19 48	12 42	1 56
S 30	17 42	15 19	2 14	16 42	1 42	1 43	0 1	16 16	1 12	11 51	1 18	20 39	0 18	8 33	0 37	16 19	1 46	7 12	12 45	22 31	22 39	19 46	12 42	1 56
S 31	17s25	9n34	3s24	16s 3	1s37	1s12	0n 4	16s25	1n12	11s52	1n19	20s37	0s18	8s33	0n37	16s19	1n46	7n13	12s45	22s31	22s39	19s44	12n42	1s56

Julian Day Number = 2319327.5, Delta T = 63.17 sec
Ecliptic obliquity = 23°29'13, Nutation = 0°00'17
Ayanamsha: Fagan/Bradley = 19°41'16, Lahiri = 18°48'16Greg. Calendar

SWISS EPHEMERIS for the year 1638

FEBRUARY 1638 GC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷
M 1	8 44 47	12♒18'38	11♍18	22♒47	27♓58	19♏46	4♏43	29♉29	23°R26	20♏53	27°R32	15°R59	14♉51	27♉ 8	9♌ 2
T 2	8 48 43	13°19'23	25°53	24°34	29° 4	20°19	4°46	29°36	23♎26	20°54	27♌32	15♉55	14°48	27°15	9° 3
W 3	8 52 40	14°20'08	10♎ 2	26°20	0♈ 9	20°51	4°49	29°43	23°25	20°55	27°32	15°51	14°45	27°21	9° 4
T 4	8 56 36	15°20'52	23°42	28° 5	1°15	21°23	4°52	29°50	23°25	20°55	27°32	15°48	14°41	27°28	9° 5
F 5	9 0 33	16°21'35	6♏53	29°50	2°20	21°55	4°55	29°57	23°25	20°56	27°32	15°47	14°38	27°35	9° 6
S 6	9 4 30	17°22'16	19°40	1♓32	3°25	22°27	4°57	0♒ 4	23°24	20°56	27°32	15°D46	14°35	27°41	9° 8
S 7	9 8 26	18°22'57	2♐ 4	3°13	4°30	22°59	5° 0	0°11	23°23	20°57	27°31	15°47	14°32	27°48	9° 9
M 8	9 12 23	19°23'37	14°13	4°52	5°34	23°30	5° 2	0°18	23°23	20°57	27°31	15°49	14°29	27°55	9°10
T 9	9 16 19	20°24'15	26° 9	6°28	6°38	24° 2	5° 4	0°25	23°22	20°58	27°31	15°51	14°26	28° 1	9°12
W10	9 20 16	21°24'52	7♉58	8° 0	7°42	24°33	5° 5	0°31	23°21	20°58	27°D31	15°52	14°22	28° 8	9°13
T 11	9 24 12	22°25'28	19°44	9°29	8°45	25° 4	5° 7	0°38	23°21	20°58	27°31	15°R52	14°19	28°15	9°15
F 12	9 28 9	23°26'02	1♒31	10°53	9°48	25°36	5° 8	0°45	23°20	20°59	27°31	15°51	14°16	28°21	9°16
S 13	9 32 6	24°26'35	13°21	12°12	10°51	26° 7	5° 9	0°52	23°19	20°59	27°32	15°47	14°13	28°28	9°18
S 14	9 36 2	25°27'06	25°16	13°26	11°53	26°38	5°10	0°58	23°18	20°59	27°32	15°42	14°10	28°34	9°20
M15	9 39 59	26°27'36	7♓19	14°32	12°55	27° 8	5°11	1° 5	23°17	20°59	27°32	15°35	14° 6	28°41	9°21
T 16	9 43 55	27°28'03	19°30	15°32	13°57	27°39	5°12	1°12	23°16	21° 0	27°32	15°27	14° 3	28°48	9°23
W17	9 47 52	28°28'30	1♈52	16°23	14°58	28° 9	5°12	1°18	23°15	21° 0	27°32	15°19	14° 0	28°54	9°25
T 18	9 51 48	29°28'54	14°24	17° 6	15°59	28°40	5°12	1°25	23°14	21° 0	27°32	15°11	13°57	29° 1	9°27
F 19	9 55 45	0♓29'16	27°10	17°40	16°59	29°10	5°R12	1°32	23°13	21° 0	27°32	15° 5	13°54	29° 8	9°29
S 20	9 59 41	1°29'37	10♉ 9	18° 5	17°59	29°40	5°12	1°38	23°11	21° 0	27°32	15° 1	13°51	29°14	9°31
S 21	10 3 38	2°29'55	23°24	18°21	18°59	0♐ 9	5°12	1°45	23°10	21°R 0	27°33	14°58	13°47	29°21	9°33
M22	10 7 34	3°30'12	6♊57	18°R26	19°58	0°39	5°11	1°51	23° 9	21° 0	27°33	14°D58	13°44	29°28	9°35
T 23	10 11 31	4°30'26	20°50	18°22	20°56	1° 9	5°11	1°57	23° 8	21° 0	27°33	14°59	13°41	29°34	9°38
W24	10 15 28	5°30'39	5♋ 3	18° 9	21°54	1°38	5°10	2° 4	23° 6	21° 0	27°34	15° 0	13°38	29°41	9°40
T 25	10 19 24	6°30'49	19°35	17°46	22°52	2° 7	5° 9	2°10	23° 5	21° 0	27°34	15°R 0	13°35	29°48	9°42
F 26	10 23 21	7°30'58	4♌23	17°15	23°49	2°36	5° 7	2°16	23° 3	21° 0	27°34	14°59	13°32	29°54	9°45
S 27	10 27 17	8°31'04	19°21	16°36	24°45	3° 5	5° 6	2°23	23° 2	20°59	27°35	14°55	13°28	0♒ 1	9°47
S 28	10 31 14	9♓31'08	4♍20	15♓50	25♈41	3♐34	5♏ 4	2♒29	23♎ 0	20♏59	27♌35	14♉49	13♉25	0♒ 8	9♌50

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
M 1	17s 8	3n21	4s19	15s23	1s31	0s41	0n 9	16s34	1n11	11s53	1n19	20s36	0s18	8s33	0n37	16s19	1n46	7n13	12s45	22s32	22s39	19s42	12n43	1s56
T 2	16 51	2s53	4 55	14 41	1 24	0 10	0 14	16 43	1 11	11 54	1 19	20 35	0 18	8 33	0 37	16 19	1 46	7 13	12 45	22 32	22 40	19 40	12 43	1 56
W 3	16 34	8 46	5 12	13 58	1 17	0n21	0 19	16 52	1 10	11 55	1 19	20 33	0 19	8 33	0 37	16 19	1 46	7 13	12 44	22 33	22 40	19 38	12 43	1 56
T 4	16 16	14 2	5 11	13 14	1 9	0 52	0 24	17 1	1 10	11 55	1 19	20 32	0 19	8 32	0 37	16 19	1 46	7 14	12 44	22 33	22 41	19 35	12 44	1 55
F 5	15 58	18 27	4 53	12 30	1 0	1 23	0 29	17 10	1 10	11 56	1 20	20 30	0 19	8 32	0 37	16 19	1 46	7 14	12 44	22 33	22 41	19 33	12 44	1 55
S 6	15 40	21 52	4 21	11 44	0 51	1 54	0 35	17 18	1 9	11 57	1 20	20 29	0 19	8 32	0 37	16 19	1 46	7 14	12 43	22 33	22 41	19 31	12 45	1 55
S 7	15 21	24 10	3 37	10 58	0 40	2 24	0 40	17 27	1 9	11 57	1 20	20 28	0 19	8 32	0 37	16 19	1 46	7 14	12 43	22 33	22 42	19 29	12 45	1 55
M 8	15 2	25 17	2 45	10 12	0 29	2 55	0 46	17 35	1 8	11 58	1 20	20 26	0 19	8 31	0 37	16 20	1 46	7 15	12 43	22 33	22 42	19 27	12 45	1 55
T 9	14 43	25 12	1 46	9 26	0 17	3 25	0 51	17 43	1 8	11 58	1 20	20 25	0 19	8 31	0 37	16 20	1 46	7 15	12 42	22 33	22 42	19 25	12 46	1 55
W10	14 24	23 58	0 43	8 40	0 5	3 56	0 57	17 51	1 7	11 59	1 21	20 23	0 19	8 31	0 37	16 20	1 46	7 15	12 42	22 33	22 43	19 22	12 46	1 55
T 11	14 4	21 41	0n21	7 54	0n 8	4 26	1 3	17 59	1 7	11 59	1 21	20 22	0 19	8 31	0 37	16 20	1 46	7 16	12 42	22 32	22 43	19 20	12 47	1 55
F 12	13 44	18 30	1 24	7 10	0 22	4 56	1 9	18 7	1 6	11 59	1 21	20 21	0 19	8 30	0 37	16 20	1 46	7 16	12 42	22 33	22 43	19 18	12 47	1 55
S 13	13 24	14 33	2 24	6 27	0 36	5 26	1 14	18 15	1 6	11 59	1 21	20 19	0 19	8 30	0 37	16 20	1 46	7 16	12 41	22 33	22 44	19 16	12 48	1 55
S 14	13 4	10 1	3 18	5 45	0 50	5 56	1 20	18 23	1 5	11 59	1 22	20 18	0 19	8 30	0 37	16 20	1 46	7 17	12 41	22 34	22 44	19 14	12 49	1 55
M15	12 43	5 5	4 3	5 6	1 5	6 26	1 26	18 30	1 5	12 0	1 22	20 16	0 20	8 29	0 37	16 20	1 46	7 17	12 41	22 34	22 44	19 12	12 49	1 55
T 16	12 23	0n 6	4 38	4 29	1 21	6 56	1 32	18 38	1 4	12 0	1 22	20 15	0 20	8 29	0 37	16 20	1 47	7 17	12 40	22 35	22 45	19 9	12 50	1 55
W17	12 2	5 20	5 0	3 55	1 36	7 25	1 38	18 45	1 4	12 0	1 22	20 14	0 20	8 28	0 37	16 20	1 47	7 18	12 40	22 36	22 45	19 7	12 50	1 55
T 18	11 41	10 26	5 9	3 24	1 51	7 54	1 44	18 52	1 3	11 59	1 22	20 12	0 20	8 28	0 37	16 20	1 47	7 18	12 40	22 37	22 45	19 5	12 51	1 55
F 19	11 19	15 10	5 2	2 57	2 6	8 23	1 51	19 0	1 2	11 59	1 23	20 11	0 20	8 27	0 37	16 20	1 47	7 18	12 39	22 38	22 46	19 3	12 52	1 55
S 20	10 58	19 19	4 40	2 33	2 21	8 52	1 57	19 7	1 2	11 59	1 23	20 10	0 20	8 27	0 37	16 20	1 47	7 19	12 39	22 38	22 46	19 1	12 52	1 55
S 21	10 36	22 34	4 2	2 14	2 35	9 21	2 3	19 14	1 1	11 59	1 23	20 8	0 20	8 27	0 37	16 20	1 47	7 19	12 39	22 39	22 46	18 58	12 53	1 55
M22	10 15	24 39	3 11	2 0	2 48	9 49	2 9	19 20	1 1	11 58	1 23	20 7	0 20	8 26	0 37	16 19	1 47	7 19	12 39	22 39	22 47	18 56	12 54	1 55
T 23	9 53	25 17	2 7	1 50	3 1	10 17	2 16	19 27	1 0	11 58	1 23	20 6	0 20	8 25	0 38	16 19	1 47	7 20	12 38	22 39	22 47	18 54	12 54	1 55
W24	9 31	24 17	0 53	1 45	3 12	10 45	2 22	19 34	0 59	11 57	1 24	20 4	0 20	8 25	0 38	16 19	1 47	7 20	12 38	22 38	22 47	18 52	12 55	1 55
T 25	9 8	21 39	0s25	1 45	3 21	11 12	2 28	19 40	0 59	11 57	1 24	20 3	0 20	8 24	0 38	16 19	1 47	7 20	12 38	22 38	22 48	18 50	12 56	1 55
F 26	8 46	17 33	1 42	1 50	3 29	11 39	2 35	19 47	0 58	11 56	1 24	20 2	0 21	8 24	0 38	16 19	1 47	7 21	12 37	22 39	22 48	18 47	12 57	1 55
S 27	8 24	12 18	2 54	1 59	3 35	12 6	2 41	19 53	0 57	11 56	1 24	20 0	0 21	8 23	0 38	16 19	1 47	7 21	12 37	22 39	22 48	18 45	12 57	1 55
S 28	8s 1	6n19	3s53	2s13	3n40	12n33	2n48	19s59	0n56	11s55	1n24	19s59	0s21	8s23	0n38	16s19	1n47	7n21	12s37	22s40	22s49	18s43	12n58	1s55

Julian Day Number = 2319358.5, Delta T = 62.98 sec
Ecliptic obliquity = 23°29'13, Nutation = 0°00'18
Ayanamsha: Fagan/Bradley = 19°41'20, Lahiri = 18°48'20Greg. Calendar

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SWISS EPHEMERIS for the year 1638

MARCH 1638 GC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷
M 1	10 35 10	10♓31'10	19♍13	14°R59	26♈37	4♐ 2	5°R 2	2♒35	22°R58	20°R59	27♉35	14°R40	13♑22	0♒14	9♉52
T 2	10 39 7	11°31'10	3♎50	14♓ 4	27°31	4°30	5♏ 0	2°41	22♎57	20♏59	27°36	14♑31	13°19	0°21	9°55
W 3	10 43 3	12°31'09	18° 3	13° 6	28°25	4°58	4°58	2°47	22°55	20°58	27°36	14°22	13°16	0°28	9°57
T 4	10 47 0	13°31'06	1♏50	12° 6	29°18	5°26	4°56	2°53	22°53	20°58	27°37	14°14	13°12	0°34	10° 0
F 5	10 50 57	14°31'01	15° 9	11° 6	0♉11	5°54	4°53	2°59	22°51	20°58	27°37	14° 8	13° 9	0°41	10° 3
S 6	10 54 53	15°30'54	28° 1	10° 7	1° 3	6°21	4°51	3° 5	22°50	20°57	27°38	14° 4	13° 6	0°47	10° 6
S 7	10 58 50	16°30'46	10♐29	9°11	1°54	6°49	4°48	3°11	22°48	20°57	27°38	14° 2	13° 3	0°54	10° 8
M 8	11 2 46	17°30'36	22°39	8°18	2°45	7°16	4°44	3°16	22°46	20°56	27°39	14°D 2	13° 0	1° 1	10°11
T 9	11 6 43	18°30'25	4♑35	7°30	3°35	7°43	4°41	3°22	22°44	20°56	27°39	14° 3	12°57	1° 7	10°14
W10	11 10 39	19°30'11	16°24	6°46	4°23	8° 9	4°38	3°28	22°42	20°55	27°40	14°R 3	12°53	1°14	10°17
T 11	11 14 36	20°29'56	28°10	6° 9	5°11	8°35	4°34	3°33	22°40	20°55	27°40	14° 2	12°50	1°21	10°20
F 12	11 18 32	21°29'39	9♒58	5°37	5°59	9° 2	4°30	3°39	22°38	20°54	27°41	13°59	12°47	1°27	10°23
S 13	11 22 29	22°29'21	21°53	5°11	6°45	9°27	4°26	3°45	22°36	20°53	27°42	13°53	12°44	1°34	10°26
S 14	11 26 26	23°29'00	3♓56	4°51	7°30	9°53	4°22	3°50	22°34	20°53	27°42	13°44	12°41	1°41	10°29
M15	11 30 22	24°28'37	16°10	4°38	8°15	10°18	4°18	3°55	22°32	20°52	27°43	13°33	12°38	1°47	10°33
T 16	11 34 19	25°28'13	28°36	4°31	8°58	10°43	4°13	4° 1	22°29	20°51	27°44	13°20	12°34	1°54	10°36
W17	11 38 15	26°27'46	11♈15	4°D30	9°40	11° 8	4° 9	4° 6	22°27	20°51	27°44	13° 7	12°31	2° 1	10°39
T 18	11 42 12	27°27'17	24° 6	4°34	10°21	11°33	4° 4	4°11	22°25	20°50	27°45	12°55	12°28	2° 7	10°42
F 19	11 46 8	28°26'46	7♉ 9	4°45	11° 1	11°57	3°59	4°16	22°23	20°49	27°46	12°45	12°25	2°14	10°46
S 20	11 50 5	29°26'13	20°23	5° 0	11°40	12°21	3°54	4°21	22°20	20°48	27°47	12°37	12°22	2°21	10°49
S 21	11 54 1	0♈25'38	3♊49	5°21	12°18	12°45	3°49	4°26	22°18	20°47	27°48	12°32	12°18	2°27	10°53
M22	11 57 58	1°25'00	17°26	5°46	12°54	13° 8	3°43	4°31	22°16	20°46	27°48	12°29	12°15	2°34	10°56
T 23	12 1 55	2°24'20	1♋15	6°16	13°29	13°31	3°38	4°36	22°14	20°45	27°49	12°D29	12°12	2°41	10°59
W24	12 5 51	3°23'38	15°17	6°51	14° 3	13°54	3°32	4°41	22°11	20°44	27°50	12°R29	12° 9	2°47	11° 3
T 25	12 9 48	4°22'53	29°32	7°29	14°35	14°16	3°27	4°46	22° 9	20°43	27°51	12°28	12° 6	2°54	11° 7
F 26	12 13 44	5°22'06	13♌57	8°11	15° 6	14°38	3°21	4°50	22° 6	20°42	27°52	12°26	12° 3	3° 1	11°10
S 27	12 17 41	6°21'16	28°30	8°57	15°35	15° 0	3°15	4°55	22° 4	20°41	27°53	12°20	11°59	3° 7	11°14
S 28	12 21 37	7°20'24	13♍ 6	9°46	16° 2	15°21	3° 8	4°59	22° 2	20°40	27°54	12°12	11°56	3°14	11°17
M29	12 25 34	8°19'30	27°38	10°39	16°28	15°42	3° 2	5° 4	21°59	20°39	27°54	12° 2	11°53	3°21	11°21
T 30	12 29 30	9°18'34	11♎59	11°34	16°52	16° 3	2°56	5° 8	21°57	20°38	27°55	11°50	11°50	3°27	11°25
W31	12 33 27	10♈17'35	26♎ 3	12♓33	17♉14	16♐23	2♏49	5♒12	21♎54	20♏37	27♉56	11♑38	11♑47	3♒34	11♉29

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
M 1	7s38	0n 3	4s36	2s31	3n42	12n59	2n54	20s 5	0n56	11s54	1n25	19s58	0s21	8s22	0n38	16s19	1n47	7n22	12s37	22s41	22s49	18s41	12n59	1s55
T 2	7 15	6s 7	5 0	2 52	3 42	13 25	3 1	20 11	0 55	11 53	1 25	19 56	0 21	8 21	0 38	16 19	1 47	7 22	12 36	22 42	22 49	18 38	13 0	1 55
W 3	6 53	11 47	5 5	3 16	3 40	13 51	3 7	20 17	0 54	11 52	1 25	19 55	0 21	8 21	0 38	16 19	1 47	7 22	12 36	22 43	22 49	18 36	13 1	1 55
T 4	6 30	16 41	4 51	3 43	3 36	14 16	3 14	20 23	0 53	11 51	1 25	19 54	0 21	8 20	0 38	16 18	1 47	7 23	12 36	22 44	22 50	18 34	13 2	1 55
F 5	6 6	20 35	4 22	4 11	3 30	14 41	3 20	20 28	0 52	11 50	1 25	19 52	0 21	8 19	0 38	16 18	1 47	7 23	12 35	22 44	22 50	18 32	13 2	1 55
S 6	5 43	23 20	3 41	4 40	3 22	15 6	3 27	20 34	0 52	11 49	1 25	19 51	0 21	8 19	0 38	16 18	1 48	7 24	12 35	22 45	22 50	18 29	13 3	1 55
S 7	5 20	24 52	2 50	5 10	3 13	15 30	3 33	20 39	0 51	11 48	1 26	19 50	0 21	8 18	0 38	16 18	1 48	7 24	12 35	22 45	22 51	18 27	13 4	1 55
M 8	4 57	25 9	1 52	5 40	3 2	15 53	3 40	20 45	0 50	11 47	1 26	19 49	0 21	8 17	0 38	16 18	1 48	7 24	12 35	22 45	22 51	18 25	13 5	1 55
T 9	4 33	24 15	0 50	6 9	2 50	16 17	3 47	20 50	0 49	11 46	1 26	19 47	0 22	8 16	0 38	16 18	1 48	7 25	12 34	22 45	22 51	18 23	13 6	1 55
W10	4 10	22 16	0n13	6 37	2 37	16 40	3 53	20 55	0 48	11 44	1 26	19 46	0 22	8 16	0 38	16 17	1 48	7 25	12 34	22 45	22 52	18 20	13 7	1 55
T 11	3 46	19 21	1 15	7 4	2 23	17 2	4 0	21 0	0 47	11 43	1 26	19 45	0 22	8 15	0 38	16 17	1 48	7 26	12 34	22 45	22 52	18 18	13 8	1 55
F 12	3 23	15 38	2 14	7 29	2 9	17 24	4 6	21 5	0 46	11 41	1 27	19 44	0 22	8 14	0 38	16 17	1 48	7 26	12 33	22 45	22 52	18 16	13 9	1 55
S 13	2 59	11 18	3 7	7 52	1 54	17 46	4 13	21 10	0 45	11 40	1 27	19 43	0 22	8 13	0 38	16 17	1 48	7 26	12 33	22 46	22 53	18 14	13 10	1 55
S 14	2 36	6 28	3 53	8 13	1 39	18 7	4 19	21 15	0 44	11 38	1 27	19 41	0 22	8 13	0 38	16 16	1 48	7 27	12 33	22 47	22 53	18 11	13 11	1 55
M15	2 12	1 21	4 28	8 31	1 24	18 28	4 25	21 20	0 43	11 37	1 27	19 40	0 22	8 12	0 38	16 16	1 48	7 27	12 33	22 48	22 53	18 9	13 12	1 55
T 16	1 48	3n54	4 52	8 48	1 9	18 48	4 32	21 24	0 42	11 35	1 27	19 39	0 22	8 11	0 38	16 16	1 48	7 28	12 32	22 49	22 53	18 7	13 13	1 55
W17	1 25	9 4	5 1	9 2	0 55	19 8	4 38	21 29	0 41	11 33	1 27	19 38	0 22	8 10	0 38	16 16	1 48	7 28	12 32	22 50	22 54	18 4	13 14	1 55
T 18	1 1	13 57	4 56	9 14	0 40	19 27	4 44	21 33	0 40	11 32	1 27	19 37	0 22	8 9	0 38	16 16	1 48	7 28	12 32	22 52	22 54	18 2	13 15	1 55
F 19	0 37	18 15	4 35	9 23	0 26	19 45	4 50	21 38	0 39	11 30	1 28	19 36	0 23	8 9	0 38	16 15	1 48	7 29	12 32	22 53	22 54	18 0	13 16	1 55
S 20	0 13	21 43	3 59	9 30	0 12	20 4	4 56	21 42	0 37	11 28	1 28	19 35	0 23	8 8	0 38	16 15	1 48	7 29	12 31	22 53	22 55	17 58	13 17	1 55
S 21	0n10	24 3	3 9	9 35	0s 1	20 21	5 2	21 46	0 36	11 26	1 28	19 33	0 23	8 7	0 38	16 15	1 48	7 30	12 31	22 54	22 55	17 55	13 18	1 55
M22	0 34	25 1	2 8	9 38	0 14	20 38	5 8	21 51	0 35	11 24	1 28	19 32	0 23	8 6	0 38	16 14	1 48	7 30	12 31	22 54	22 55	17 53	13 19	1 55
T 23	0 58	24 28	0 59	9 38	0 26	20 54	5 14	21 55	0 34	11 22	1 28	19 31	0 23	8 5	0 38	16 14	1 48	7 30	12 31	22 54	22 56	17 51	13 20	1 55
W24	1 21	22 22	0s15	9 36	0 38	21 10	5 20	21 59	0 32	11 20	1 28	19 30	0 23	8 4	0 38	16 14	1 48	7 31	12 30	22 54	22 56	17 48	13 21	1 55
T 25	1 45	18 50	1 29	9 32	0 49	21 25	5 25	22 3	0 31	11 18	1 28	19 29	0 23	8 3	0 38	16 14	1 48	7 31	12 30	22 54	22 56	17 46	13 22	1 55
F 26	2 8	14 9	2 38	9 26	1 0	21 40	5 31	22 7	0 30	11 16	1 28	19 28	0 23	8 2	0 38	16 13	1 49	7 32	12 30	22 54	22 56	17 44	13 23	1 55
S 27	2 32	8 37	3 38	9 19	1 10	21 53	5 36	22 10	0 28	11 14	1 29	19 27	0 23	8 1	0 38	16 13	1 49	7 32	12 30	22 55	22 57	17 41	13 24	1 55
S 28	2 55	2 36	4 23	9 9	1 20	22 7	5 41	22 14	0 27	11 12	1 29	19 26	0 24	8 1	0 38	16 13	1 49	7 33	12 29	22 56	22 57	17 39	13 26	1 55
M29	3 18	3s30	4 51	8 57	1 29	22 19	5 46	22 18	0 25	11 10	1 29	19 25	0 24	8 0	0 38	16 12	1 49	7 33	12 29	22 57	22 57	17 37	13 27	1 55
T 30	3 42	9 21	5 0	8 44	1 37	22 31	5 51	22 21	0 24	11 7	1 29	19 24	0 24	7 59	0 38	16 12	1 49	7 33	12 29	22 58	22 58	17 34	13 28	1 55
W31	4n 5	14s35	4s51	8s29	1s45	22n42	5n56	22s25	0n22	11s 5	1n29	19s23	0s24	7s58	0n38	16s12	1n49	7n34	12s29	22s59	22s58	17s32	13n29	1s55

Julian Day Number = 2319386.5, Delta T = 62.82 sec
Ecliptic obliquity = 23°29'14, Nutation = 0°00'18
Ayanamsha: Fagan/Bradley = 19°41'24, Lahiri = 18°48'24Greg. Calendar

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APRIL 1638 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷
T 1	12 37 23	11♈16'35	9♏44	13♓34	17♉35	16♐43	2°R43	5♒17	21°R52	20°R36	27♉57	11°R27	11♑43	3♒40	11♉32
F 2	12 41 20	12°15'33	23° 1	14°38	17°53	17° 3	2♏36	5°21	21♎49	20♏35	27°58	11♑18	11°40	3°47	11°36
S 3	12 45 17	13°14'29	5♐54	15°45	18°10	17°22	2°29	5°25	21°47	20°34	27°59	11°12	11°37	3°54	11°40
S 4	12 49 13	14°13'24	18°25	16°53	18°24	17°41	2°22	5°29	21°44	20°32	28° 0	11° 8	11°34	4° 0	11°44
M 5	12 53 10	15°12'16	0♑37	18° 5	18°37	17°59	2°15	5°33	21°42	20°31	28° 1	11° 7	11°31	4° 7	11°48
T 6	12 57 6	16°11'07	12°36	19°18	18°47	18°17	2° 8	5°36	21°39	20°30	28° 2	11° 7	11°28	4°14	11°52
W 7	13 1 3	17° 9'56	24°27	20°34	18°55	18°34	2° 1	5°40	21°36	20°29	28° 3	11° 6	11°24	4°20	11°55
T 8	13 4 59	18° 8'44	6♒15	21°51	19° 1	18°51	1°54	5°44	21°34	20°27	28° 5	11° 5	11°21	4°27	11°59
F 9	13 8 56	19° 7'29	18° 5	23°11	19° 4	19° 8	1°47	5°47	21°31	20°26	28° 6	11° 2	11°18	4°34	12° 3
S 10	13 12 52	20° 6'13	0♓ 4	24°32	19°R 5	19°24	1°40	5°51	21°29	20°25	28° 7	10°57	11°15	4°40	12° 7
S 11	13 16 49	21° 4'55	12°13	25°56	19° 4	19°39	1°32	5°54	21°26	20°23	28° 8	10°49	11°12	4°47	12°11
M12	13 20 46	22° 3'35	24°37	27°21	19° 1	19°55	1°25	5°58	21°24	20°22	28° 9	10°38	11° 9	4°54	12°15
T 13	13 24 42	23° 2'13	7♈18	28°49	18°54	20° 9	1°17	6° 1	21°21	20°21	28°10	10°26	11° 5	5° 0	12°19
W14	13 28 39	24° 0'49	20°14	0♈18	18°46	20°23	1°10	6° 4	21°18	20°19	28°11	10°13	11° 2	5° 7	12°23
T 15	13 32 35	24°59'24	3♉26	1°48	18°35	20°37	1° 2	6° 7	21°16	20°18	28°12	10° 1	10°59	5°14	12°28
F 16	13 36 32	25°57'56	16°52	3°21	18°22	20°50	0°55	6°10	21°13	20°16	28°14	9°51	10°56	5°20	12°32
S 17	13 40 28	26°56'27	0♊29	4°55	18° 6	21° 2	0°47	6°13	21°11	20°15	28°15	9°43	10°53	5°27	12°36
S 18	13 44 25	27°54'56	14°15	6°31	17°47	21°14	0°39	6°16	21° 8	20°13	28°16	9°38	10°49	5°34	12°40
M19	13 48 21	28°53'22	28° 9	8° 9	17°27	21°25	0°32	6°18	21° 6	20°12	28°17	9°36	10°46	5°40	12°44
T 20	13 52 18	29°51'47	12♋ 8	9°49	17° 4	21°36	0°24	6°21	21° 3	20°10	28°18	9°D35	10°43	5°47	12°48
W21	13 56 15	0♉50'09	26°12	11°30	16°39	21°46	0°16	6°24	21° 1	20° 9	28°20	9°R36	10°40	5°54	12°52
T 22	14 0 11	1°48'29	10♌19	13°13	16°12	21°56	0° 9	6°26	20°58	20° 7	28°21	9°35	10°37	6° 0	12°56
F 23	14 4 8	2°46'47	24°30	14°58	15°43	22° 5	0° 1	6°28	20°56	20° 6	28°22	9°34	10°34	6° 7	13° 1
S 24	14 8 4	3°45'02	8♍42	16°44	15°12	22°13	29♎53	6°31	20°53	20° 4	28°23	9°29	10°30	6°14	13° 5
S 25	14 12 1	4°43'16	22°52	18°33	14°39	22°21	29°46	6°33	20°51	20° 3	28°25	9°23	10°27	6°20	13° 9
M26	14 15 57	5°41'27	6♎57	20°23	14° 6	22°28	29°38	6°35	20°48	20° 1	28°26	9°14	10°24	6°27	13°13
T 27	14 19 54	6°39'37	20°52	22°15	13°30	22°34	29°31	6°37	20°46	20° 0	28°27	9° 4	10°21	6°34	13°17
W28	14 23 50	7°37'45	4♏34	24° 8	12°54	22°40	29°23	6°39	20°43	19°58	28°28	8°54	10°18	6°40	13°22
T 29	14 27 47	8°35'51	17°58	26° 3	12°17	22°45	29°15	6°40	20°41	19°57	28°30	8°45	10°15	6°47	13°26
F 30	14 31 44	9♉33'56	1♐ 3	28♈ 1	11♉39	22♐50	29♎ 8	6♒42	20♎39	19♏55	28♉31	8♑37	10♑11	6♒54	13♉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	4n28	18s57	4s25	8s12	1s52	22n52	6n 0	22s29	0n21	11s 3	1n29	19s22	0s24	7s57	0n38	16s11	1n49	7n34	12s28	23s 0	22s58	17s30	13n30	1s55
F 2	4 51	22 12	3 45	7 53	1 59	23 1	6 4	22 32	0 19	11 0	1 29	19 22	0 24	7 56	0 38	16 11	1 49	7 35	12 28	23 0	22 58	17 27	13 31	1 55
S 3	5 14	24 12	2 55	7 33	2 5	23 9	6 8	22 36	0 18	10 58	1 29	19 21	0 24	7 55	0 38	16 11	1 49	7 35	12 28	23 1	22 59	17 25	13 32	1 55
S 4	5 37	24 56	1 57	7 12	2 11	23 17	6 12	22 39	0 16	10 56	1 29	19 20	0 24	7 54	0 38	16 10	1 49	7 36	12 28	23 1	22 59	17 23	13 33	1 55
M 5	6 0	24 24	0 55	6 49	2 16	23 24	6 15	22 42	0 14	10 53	1 29	19 19	0 24	7 53	0 38	16 10	1 49	7 36	12 28	23 1	22 59	17 20	13 35	1 55
T 6	6 23	22 45	0n 8	6 24	2 21	23 30	6 18	22 46	0 13	10 51	1 29	19 18	0 25	7 52	0 38	16 10	1 49	7 36	12 27	23 1	22 59	17 18	13 36	1 55
W 7	6 45	20 7	1 10	5 58	2 25	23 34	6 21	22 49	0 11	10 48	1 29	19 17	0 25	7 51	0 38	16 9	1 49	7 37	12 27	23 1	23 0	17 16	13 37	1 55
T 8	7 8	16 40	2 9	5 30	2 28	23 38	6 23	22 52	0 9	10 46	1 29	19 17	0 25	7 50	0 38	16 9	1 49	7 37	12 27	23 1	23 0	17 13	13 38	1 55
F 9	7 30	12 33	3 3	5 1	2 31	23 41	6 25	22 55	0 7	10 43	1 29	19 16	0 25	7 49	0 38	16 8	1 49	7 38	12 27	23 2	23 0	17 11	13 39	1 55
S 10	7 52	7 54	3 49	4 31	2 34	23 43	6 26	22 59	0 5	10 41	1 29	19 15	0 25	7 48	0 38	16 8	1 49	7 38	12 27	23 2	23 1	17 9	13 40	1 55
S 11	8 15	2 54	4 25	4 0	2 35	23 43	6 27	23 2	0 3	10 38	1 29	19 14	0 25	7 47	0 38	16 8	1 49	7 38	12 26	23 3	23 1	17 6	13 42	1 55
M12	8 37	2n17	4 49	3 27	2 37	23 43	6 28	23 5	0 1	10 35	1 29	19 14	0 25	7 46	0 38	16 7	1 49	7 39	12 26	23 4	23 1	17 4	13 43	1 55
T 13	8 58	7 30	5 0	2 53	2 37	23 41	6 28	23 8	0s 1	10 33	1 29	19 13	0 25	7 45	0 38	16 7	1 49	7 39	12 26	23 5	23 1	17 1	13 44	1 55
W14	9 20	12 30	4 56	2 18	2 38	23 38	6 28	23 11	0 3	10 30	1 29	19 12	0 25	7 44	0 38	16 6	1 49	7 40	12 26	23 6	23 2	16 59	13 45	1 55
T 15	9 42	17 1	4 37	1 41	2 37	23 34	6 27	23 14	0 5	10 28	1 29	19 12	0 26	7 44	0 38	16 6	1 49	7 40	12 26	23 6	23 2	16 57	13 46	1 56
F 16	10 3	20 45	4 1	1 4	2 37	23 29	6 25	23 17	0 7	10 25	1 29	19 11	0 26	7 43	0 38	16 6	1 49	7 41	12 25	23 7	23 2	16 54	13 48	1 56
S 17	10 24	23 25	3 12	0 25	2 35	23 22	6 23	23 20	0 9	10 22	1 29	19 10	0 26	7 42	0 38	16 5	1 49	7 41	12 25	23 8	23 2	16 52	13 49	1 56
S 18	10 45	24 43	2 10	0n15	2 33	23 14	6 20	23 23	0 12	10 20	1 29	19 10	0 26	7 41	0 38	16 5	1 49	7 41	12 25	23 8	23 3	16 50	13 50	1 56
M19	11 6	24 29	1 0	0 56	2 31	23 5	6 16	23 26	0 14	10 17	1 29	19 9	0 26	7 40	0 38	16 4	1 49	7 42	12 25	23 8	23 3	16 47	13 51	1 56
T 20	11 27	22 42	0s14	1 38	2 28	22 54	6 12	23 30	0 16	10 14	1 29	19 9	0 26	7 39	0 38	16 4	1 49	7 42	12 25	23 8	23 3	16 45	13 52	1 56
W21	11 47	19 32	1 27	2 20	2 25	22 42	6 7	23 33	0 19	10 12	1 29	19 8	0 26	7 38	0 38	16 4	1 49	7 43	12 25	23 8	23 3	16 42	13 54	1 56
T 22	12 8	15 11	2 36	3 4	2 21	22 29	6 2	23 36	0 21	10 9	1 29	19 8	0 26	7 37	0 38	16 3	1 49	7 43	12 24	23 8	23 4	16 40	13 55	1 56
F 23	12 28	10 0	3 35	3 49	2 16	22 14	5 56	23 39	0 24	10 7	1 29	19 7	0 27	7 36	0 38	16 3	1 49	7 43	12 24	23 8	23 4	16 38	13 56	1 56
S 24	12 48	4 17	4 21	4 34	2 11	21 58	5 49	23 42	0 26	10 4	1 29	19 7	0 27	7 35	0 38	16 2	1 49	7 44	12 24	23 9	23 4	16 35	13 57	1 56
S 25	13 7	1s37	4 51	5 21	2 6	21 41	5 41	23 45	0 29	10 1	1 29	19 6	0 27	7 34	0 38	16 2	1 49	7 44	12 24	23 9	23 4	16 33	13 58	1 56
M26	13 27	7 24	5 3	6 8	1 59	21 23	5 33	23 48	0 32	9 59	1 29	19 6	0 27	7 33	0 38	16 1	1 49	7 45	12 24	23 10	23 5	16 30	13 59	1 56
T 27	13 46	12 45	4 57	6 56	1 53	21 3	5 23	23 51	0 34	9 56	1 29	19 6	0 27	7 32	0 38	16 1	1 49	7 45	12 24	23 11	23 5	16 28	14 1	1 56
W28	14 5	17 22	4 34	7 44	1 46	20 43	5 14	23 54	0 37	9 54	1 29	19 5	0 27	7 31	0 38	16 1	1 49	7 45	12 24	23 11	23 5	16 25	14 2	1 56
T 29	14 24	21 0	3 56	8 33	1 38	20 22	5 3	23 57	0 40	9 51	1 29	19 5	0 27	7 31	0 38	16 0	1 49	7 46	12 23	23 12	23 5	16 23	14 3	1 56
F 30	14n42	23s27	3s 6	9n23	1s31	19n59	4n52	24s 0	0s43	9s48	1n29	19s 5	0s27	7s30	0n38	16s 0	1n49	7n46	12s23	23s12	23s 6	16s21	14n 4	1s56

Julian Day Number = 2319417.5, Delta T = 62.63 sec
Ecliptic obliquity = 23°29'13, Nutation = 0°00'16
Ayanamsha: Fagan/Bradley = 19°41'29, Lahiri = 18°48'28Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.12.2016]

MAY 1638 GC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷
S 1	14 35 40	10♉31'59	13♐49	29♈59	11°R 2	22♐54	29°R 1	6♒44	20°R36	19°R53	28♉32	8°R32	10♑ 8	7♒ 0	13♉34
S 2	14 39 37	11°30'00	26°16	2♉ 0	10♉24	22°57	28♎53	6°45	20♎34	19♏52	28°33	8♑29	10° 5	7° 7	13°39
M 3	14 43 33	12°28'01	8♑27	4° 2	9°46	22°59	28°46	6°47	20°32	19°50	28°35	8°D28	10° 2	7°14	13°43
T 4	14 47 30	13°25'59	20°26	6° 6	9° 9	23° 1	28°39	6°48	20°29	19°49	28°36	8°29	9°59	7°20	13°47
W 5	14 51 26	14°23'57	2♒18	8°11	8°32	23° 1	28°32	6°49	20°27	19°47	28°37	8°30	9°55	7°27	13°51
T 6	14 55 23	15°21'52	14° 7	10°18	7°57	23°R 2	28°24	6°50	20°25	19°45	28°39	8°R31	9°52	7°34	13°56
F 7	14 59 19	16°19'47	26° 0	12°26	7°22	23° 1	28°17	6°51	20°22	19°44	28°40	8°30	9°49	7°40	14° 0
S 8	15 3 16	17°17'40	8♓ 0	14°35	6°49	23° 0	28°11	6°52	20°20	19°42	28°41	8°28	9°46	7°47	14° 4
S 9	15 7 13	18°15'32	20°14	16°44	6°17	22°57	28° 4	6°53	20°18	19°40	28°43	8°23	9°43	7°53	14° 8
M10	15 11 9	19°13'23	2♈43	18°55	5°47	22°54	27°57	6°54	20°16	19°39	28°44	8°17	9°40	8° 0	14°13
T 11	15 15 6	20°11'13	15°32	21° 6	5°19	22°51	27°50	6°54	20°14	19°37	28°45	8°10	9°36	8° 7	14°17
W12	15 19 2	21° 9'01	28°41	23°17	4°53	22°46	27°44	6°55	20°12	19°36	28°47	8° 2	9°33	8°13	14°21
T 13	15 22 59	22° 6'48	12♉11	25°28	4°29	22°41	27°37	6°55	20°10	19°34	28°48	7°54	9°30	8°20	14°25
F 14	15 26 55	23° 4'34	25°58	27°39	4° 8	22°35	27°31	6°56	20° 8	19°32	28°50	7°47	9°27	8°27	14°30
S 15	15 30 52	24° 2'18	10♊ 0	29°50	3°48	22°28	27°25	6°56	20° 6	19°31	28°51	7°43	9°24	8°33	14°34
S 16	15 34 48	25° 0'01	24°11	1♊59	3°31	22°21	27°19	6°56	20° 4	19°29	28°52	7°40	9°21	8°40	14°38
M17	15 38 45	25°57'43	8♋29	4° 7	3°16	22°13	27°13	6°R56	20° 2	19°27	28°54	7°D39	9°17	8°47	14°42
T 18	15 42 42	26°55'23	22°48	6°14	3° 4	22° 4	27° 7	6°56	20° 0	19°26	28°55	7°40	9°14	8°53	14°46
W19	15 46 38	27°53'01	7♌ 6	8°19	2°53	21°54	27° 1	6°56	19°58	19°24	28°56	7°41	9°11	9° 0	14°51
T 20	15 50 35	28°50'38	21°20	10°22	2°46	21°44	26°55	6°55	19°56	19°23	28°58	7°42	9° 8	9° 7	14°55
F 21	15 54 31	29°48'13	5♍28	12°24	2°41	21°33	26°50	6°55	19°54	19°21	28°59	7°R42	9° 5	9°13	14°59
S 22	15 58 28	0♊45'47	19°28	14°23	2°38	21°21	26°44	6°55	19°53	19°19	29° 0	7°41	9° 1	9°20	15° 3
S 23	16 2 24	1°43'19	3♎19	16°19	2°D37	21° 9	26°39	6°54	19°51	19°18	29° 2	7°38	8°58	9°27	15° 7
M24	16 6 21	2°40'50	17° 0	18°13	2°39	20°55	26°34	6°53	19°49	19°16	29° 3	7°34	8°55	9°33	15°11
T 25	16 10 17	3°38'19	0♏29	20° 5	2°43	20°42	26°29	6°53	19°48	19°15	29° 4	7°29	8°52	9°40	15°15
W26	16 14 14	4°35'48	13°45	21°54	2°49	20°27	26°25	6°52	19°46	19°13	29° 6	7°23	8°49	9°47	15°19
T 27	16 18 11	5°33'15	26°47	23°41	2°58	20°13	26°20	6°51	19°45	19°12	29° 7	7°18	8°46	9°53	15°23
F 28	16 22 7	6°30'41	9♐33	25°24	3° 8	19°57	26°15	6°50	19°43	19°10	29° 9	7°15	8°42	10° 0	15°28
S 29	16 26 4	7°28'07	22° 5	27° 5	3°21	19°41	26°11	6°49	19°42	19° 9	29°10	7°12	8°39	10° 7	15°32
S 30	16 30 0	8°25'31	4♑23	28°43	3°36	19°25	26° 7	6°48	19°40	19° 7	29°11	7°D11	8°36	10°13	15°36
M31	16 33 57	9♊22'55	16♑29	0♋18	3♉52	19♐ 8	26♎ 3	6♒46	19♎39	19♏ 6	29♉13	7♑12	8♑33	10♒20	15♉40

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	15n 1	24s37	2s 8	10n12	1s22	19n36	4n41	24s 3	0s46	9s46	1n28	19s 4	0s28	7s29	0n38	15s59	1n50	7n46	12s23	23s13	23s 6	16s18	14n 5	1s57
S 2	15 19	24 31	1 5	11 3	1 13	19 13	4 28	24 6	0 49	9 43	1 28	19 4	0 28	7 28	0 38	15 59	1 50	7 47	12 23	23 13	23 6	16 16	14 7	1 57
M 3	15 37	23 13	0 0	11 53	1 4	18 49	4 16	24 10	0 52	9 41	1 28	19 4	0 28	7 27	0 38	15 58	1 50	7 47	12 23	23 13	23 6	16 13	14 8	1 57
T 4	15 54	20 53	1n 4	12 43	0 55	18 24	4 3	24 13	0 55	9 39	1 28	19 4	0 28	7 26	0 38	15 58	1 50	7 48	12 23	23 13	23 7	16 11	14 9	1 57
W 5	16 11	17 40	2 5	13 33	0 45	18 0	3 49	24 16	0 58	9 36	1 28	19 3	0 28	7 25	0 38	15 58	1 50	7 48	12 23	23 13	23 7	16 8	14 10	1 57
T 6	16 28	13 45	3 0	14 23	0 35	17 35	3 36	24 19	1 1	9 34	1 28	19 3	0 28	7 25	0 38	15 57	1 50	7 48	12 23	23 13	23 7	16 6	14 11	1 57
F 7	16 45	9 19	3 47	15 12	0 25	17 10	3 22	24 22	1 4	9 31	1 28	19 3	0 28	7 24	0 38	15 57	1 50	7 49	12 23	23 13	23 7	16 4	14 12	1 57
S 8	17 2	4 29	4 26	16 1	0 14	16 46	3 8	24 25	1 7	9 29	1 28	19 3	0 28	7 23	0 38	15 56	1 50	7 49	12 23	23 13	23 8	16 1	14 14	1 57
S 9	17 18	0n36	4 52	16 49	0 4	16 22	2 53	24 29	1 11	9 27	1 27	19 3	0 29	7 22	0 37	15 56	1 50	7 49	12 22	23 13	23 8	15 59	14 15	1 57
M10	17 34	5 46	5 6	17 35	0n 7	15 58	2 39	24 32	1 14	9 24	1 27	19 3	0 29	7 21	0 37	15 55	1 50	7 50	12 22	23 14	23 8	15 56	14 16	1 57
T 11	17 50	10 49	5 5	18 21	0 17	15 35	2 24	24 35	1 18	9 22	1 27	19 3	0 29	7 21	0 37	15 55	1 50	7 50	12 22	23 14	23 8	15 54	14 17	1 57
W12	18 5	15 31	4 48	19 5	0 28	15 13	2 10	24 38	1 21	9 20	1 27	19 3	0 29	7 20	0 37	15 54	1 50	7 50	12 22	23 15	23 9	15 51	14 18	1 58
T 13	18 20	19 34	4 15	19 47	0 38	14 52	1 56	24 41	1 25	9 18	1 27	19 3	0 29	7 19	0 37	15 54	1 50	7 51	12 22	23 15	23 9	15 49	14 19	1 58
F 14	18 35	22 37	3 26	20 27	0 48	14 31	1 42	24 45	1 28	9 16	1 27	19 3	0 29	7 18	0 37	15 54	1 50	7 51	12 22	23 15	23 9	15 46	14 21	1 58
S 15	18 49	24 22	2 24	21 5	0 58	14 11	1 28	24 48	1 32	9 14	1 26	19 3	0 29	7 18	0 37	15 53	1 50	7 51	12 22	23 16	23 9	15 44	14 22	1 58
S 16	19 3	24 34	1 12	21 41	1 7	13 52	1 14	24 51	1 35	9 12	1 26	19 3	0 29	7 17	0 37	15 53	1 50	7 52	12 22	23 16	23 9	15 41	14 23	1 58
M17	19 17	23 8	0s 4	22 15	1 16	13 34	1 0	24 54	1 39	9 10	1 26	19 3	0 30	7 16	0 37	15 52	1 50	7 52	12 22	23 16	23 10	15 39	14 24	1 58
T 18	19 31	20 13	1 21	22 46	1 24	13 18	0 47	24 57	1 43	9 8	1 26	19 3	0 30	7 16	0 37	15 52	1 49	7 52	12 22	23 16	23 10	15 37	14 25	1 58
W19	19 44	16 4	2 33	23 15	1 32	13 2	0 34	25 1	1 46	9 6	1 26	19 3	0 30	7 15	0 37	15 51	1 49	7 53	12 22	23 16	23 10	15 34	14 26	1 58
T 20	19 56	11 1	3 35	23 41	1 39	12 48	0 22	25 4	1 50	9 4	1 25	19 4	0 30	7 14	0 37	15 51	1 49	7 53	12 22	23 16	23 10	15 32	14 27	1 58
F 21	20 9	5 26	4 24	24 4	1 45	12 34	0 9	25 7	1 54	9 2	1 25	19 4	0 30	7 14	0 37	15 51	1 49	7 53	12 22	23 16	23 11	15 29	14 28	1 59
S 22	20 21	0s21	4 56	24 24	1 51	12 22	0s 3	25 10	1 58	9 1	1 25	19 4	0 30	7 13	0 37	15 50	1 49	7 54	12 22	23 16	23 11	15 27	14 29	1 59
S 23	20 33	6 4	5 10	24 42	1 56	12 11	0 14	25 13	2 1	8 59	1 25	19 4	0 30	7 12	0 37	15 50	1 49	7 54	12 22	23 16	23 11	15 24	14 31	1 59
M24	20 44	11 25	5 7	24 58	2 0	12 1	0 25	25 16	2 5	8 57	1 24	19 5	0 30	7 12	0 37	15 49	1 49	7 54	12 22	23 16	23 11	15 22	14 32	1 59
T 25	20 55	16 8	4 47	25 10	2 4	11 52	0 36	25 18	2 9	8 56	1 24	19 5	0 31	7 11	0 37	15 49	1 49	7 55	12 22	23 17	23 11	15 19	14 33	1 59
W26	21 6	19 59	4 11	25 21	2 7	11 45	0 47	25 21	2 13	8 54	1 24	19 5	0 31	7 11	0 37	15 49	1 49	7 55	12 22	23 17	23 12	15 17	14 34	1 59
T 27	21 16	22 46	3 23	25 29	2 9	11 38	0 57	25 24	2 17	8 53	1 24	19 6	0 31	7 10	0 37	15 48	1 49	7 55	12 22	23 17	23 12	15 14	14 35	1 59
F 28	21 26	24 19	2 26	25 34	2 10	11 32	1 7	25 26	2 21	8 51	1 24	19 6	0 31	7 9	0 37	15 48	1 49	7 55	12 22	23 17	23 12	15 12	14 36	1 59
S 29	21 36	24 37	1 22	25 37	2 10	11 28	1 16	25 29	2 24	8 50	1 23	19 6	0 31	7 9	0 37	15 47	1 49	7 56	12 22	23 17	23 12	15 9	14 37	2 0
S 30	21 45	23 40	0 15	25 39	2 10	11 25	1 25	25 31	2 28	8 49	1 23	19 7	0 31	7 8	0 37	15 47	1 49	7 56	12 22	23 17	23 12	15 7	14 38	2 0
M31	21n54	21s38	0n51	25n38	2n 9	11n22	1s33	25s34	2s32	8s48	1n23	19s 7	0s31	7s 8	0n37	15s47	1n49	7n56	12s22	23s17	23s13	15s 4	14n39	2s 0

Julian Day Number = 2319447.5, Delta T = 62.46 sec
Ecliptic obliquity = 23°29'12, Nutation = 0°00'16
Ayanamsha: Fagan/Bradley = 19°41'33, Lahiri = 18°48'33Greg. Calendar

JUNE 1638 GC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷
T 1	16 37 53	10♊20'18	28♑25	1♋51	4♉11	18°R51	25°R59	6°R45	19°R38	19°R 4	29♉14	7♑13	8♑30	10♒27	15♉44
W 2	16 41 50	11°17'40	10♒17	3°20	4°31	18♐33	25♎56	6♒43	19♎36	19♏ 3	29°15	7°14	8°27	10°33	15°48
T 3	16 45 46	12°15'01	22° 6	4°47	4°54	18°15	25°52	6°42	19°35	19° 1	29°17	7°16	8°23	10°40	15°51
F 4	16 49 43	13°12'22	3♓59	6°11	5°17	17°56	25°49	6°40	19°34	19° 0	29°18	7°17	8°20	10°47	15°55
S 5	16 53 40	14° 9'42	16° 0	7°32	5°43	17°38	25°46	6°38	19°33	18°58	29°19	7°R18	8°17	10°53	15°59
S 6	16 57 36	15° 7'02	28°13	8°50	6°10	17°19	25°43	6°37	19°32	18°57	29°21	7°17	8°14	11° 0	16° 3
M 7	17 1 33	16° 4'22	10♈43	10° 4	6°39	16°59	25°40	6°35	19°31	18°55	29°22	7°15	8°11	11° 7	16° 7
T 8	17 5 29	17° 1'40	23°34	11°16	7° 9	16°40	25°37	6°33	19°30	18°54	29°23	7°13	8° 7	11°13	16°11
W 9	17 9 26	17°58'59	6♉48	12°24	7°41	16°21	25°35	6°31	19°29	18°53	29°25	7°10	8° 4	11°20	16°15
T 10	17 13 22	18°56'17	20°26	13°30	8°14	16° 1	25°32	6°28	19°28	18°51	29°26	7° 8	8° 1	11°27	16°18
F 11	17 17 19	19°53'35	4♊27	14°32	8°48	15°42	25°30	6°26	19°27	18°50	29°27	7° 6	7°58	11°33	16°22
S 12	17 21 15	20°50'52	18°47	15°30	9°23	15°22	25°28	6°24	19°26	18°49	29°28	7° 4	7°55	11°40	16°26
S 13	17 25 12	21°48'09	3♋21	16°26	10° 0	15° 3	25°27	6°21	19°25	18°47	29°30	7°D 4	7°52	11°47	16°29
M14	17 29 9	22°45'25	18° 4	17°17	10°38	14°43	25°25	6°19	19°25	18°46	29°31	7° 4	7°48	11°53	16°33
T 15	17 33 5	23°42'41	2♌49	18° 5	11°17	14°24	25°24	6°16	19°24	18°45	29°32	7° 5	7°45	12° 0	16°37
W16	17 37 2	24°39'56	17°28	18°49	11°57	14° 5	25°22	6°13	19°23	18°43	29°33	7° 6	7°42	12° 7	16°40
T 17	17 40 58	25°37'10	1♍57	19°30	12°38	13°47	25°21	6°11	19°23	18°42	29°35	7° 6	7°39	12°14	16°44
F 18	17 44 55	26°34'24	16°13	20° 6	13°20	13°29	25°20	6° 8	19°22	18°41	29°36	7° 7	7°36	12°20	16°47
S 19	17 48 51	27°31'36	0♎12	20°38	14° 3	13°11	25°20	6° 5	19°22	18°40	29°37	7°R 7	7°32	12°27	16°51
S 20	17 52 48	28°28'49	13°55	21° 6	14°47	12°53	25°19	6° 2	19°21	18°39	29°38	7° 7	7°29	12°34	16°54
M21	17 56 45	29°26'00	27°21	21°30	15°32	12°36	25°19	5°59	19°21	18°37	29°40	7° 6	7°26	12°40	16°58
T 22	18 0 41	0♋23'12	10♏30	21°49	16°17	12°20	25°D19	5°56	19°21	18°36	29°41	7° 5	7°23	12°47	17° 1
W23	18 4 38	1°20'22	23°24	22° 4	17° 4	12° 4	25°19	5°53	19°20	18°35	29°42	7° 5	7°20	12°54	17° 5
T 24	18 8 34	2°17'33	6♐ 4	22°14	17°51	11°48	25°19	5°49	19°20	18°34	29°43	7° 4	7°17	13° 0	17° 8
F 25	18 12 31	3°14'43	18°31	22°20	18°39	11°33	25°20	5°46	19°20	18°33	29°44	7° 4	7°13	13° 7	17°11
S 26	18 16 27	4°11'53	0♑48	22°R21	19°28	11°19	25°20	5°43	19°20	18°32	29°46	7° 4	7°10	13°14	17°14
S 27	18 20 24	5° 9'03	12°54	22°18	20°17	11° 5	25°21	5°39	19°D20	18°31	29°47	7°D 4	7° 7	13°20	17°18
M28	18 24 20	6° 6'13	24°53	22° 9	21° 7	10°52	25°22	5°36	19°20	18°30	29°48	7° 4	7° 4	13°27	17°21
T 29	18 28 17	7° 3'23	6♒46	21°57	21°58	10°40	25°23	5°32	19°20	18°29	29°49	7°R 4	7° 1	13°34	17°24
W30	18 32 14	8♋ 0'33	18♒36	21♋40	22♉50	10♐28	25♎24	5♒28	19♎20	18♏28	29♉50	7♑ 4	6♑58	13♒40	17♉27

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	22n 3	18s39	1n54	25n35	2n 7	11n21	1s41	25s36	2s36	8s46	1n23	19s 8	0s32	7s 7	0n37	15s46	1n49	7n56	12s22	23s17	23s13	15s 2	14n40	2s 0
W 2	22 11	14 56	2 52	25 31	2 4	11 20	1 49	25 38	2 39	8 45	1 22	19 8	0 32	7 7	0 37	15 46	1 49	7 57	12 22	23 17	23 13	14 59	14 41	2 0
T 3	22 18	10 40	3 42	25 25	2 1	11 21	1 57	25 40	2 43	8 44	1 22	19 9	0 32	7 7	0 37	15 45	1 49	7 57	12 22	23 17	23 13	14 57	14 42	2 0
F 4	22 26	5 58	4 24	25 17	1 56	11 22	2 4	25 42	2 47	8 43	1 22	19 9	0 32	7 6	0 37	15 45	1 49	7 57	12 22	23 17	23 13	14 54	14 43	2 0
S 5	22 33	1 1	4 54	25 8	1 52	11 24	2 11	25 44	2 50	8 42	1 22	19 10	0 32	7 6	0 37	15 45	1 49	7 57	12 22	23 17	23 14	14 52	14 44	2 0
S 6	22 39	4n 3	5 11	24 57	1 46	11 27	2 17	25 46	2 54	8 42	1 21	19 11	0 32	7 5	0 37	15 44	1 49	7 58	12 22	23 17	23 14	14 49	14 45	2 1
M 7	22 45	9 4	5 15	24 45	1 39	11 30	2 23	25 47	2 57	8 41	1 21	19 11	0 32	7 5	0 37	15 44	1 49	7 58	12 22	23 17	23 14	14 47	14 46	2 1
T 8	22 51	13 51	5 3	24 33	1 32	11 35	2 29	25 49	3 1	8 40	1 21	19 12	0 32	7 5	0 37	15 44	1 49	7 58	12 22	23 17	23 14	14 44	14 47	2 1
W 9	22 57	18 7	4 34	24 19	1 25	11 40	2 34	25 50	3 4	8 39	1 21	19 12	0 33	7 4	0 37	15 43	1 49	7 58	12 22	23 18	23 14	14 42	14 48	2 1
T 10	23 1	21 35	3 50	24 4	1 16	11 45	2 40	25 51	3 7	8 39	1 20	19 13	0 33	7 4	0 37	15 43	1 49	7 59	12 22	23 18	23 15	14 39	14 49	2 1
F 11	23 6	23 52	2 51	23 48	1 7	11 52	2 45	25 53	3 11	8 38	1 20	19 14	0 33	7 4	0 36	15 43	1 49	7 59	12 22	23 18	23 15	14 36	14 50	2 1
S 12	23 10	24 40	1 39	23 32	0 57	11 59	2 49	25 54	3 14	8 38	1 20	19 15	0 33	7 3	0 36	15 42	1 49	7 59	12 22	23 18	23 15	14 34	14 51	2 2
S 13	23 14	23 47	0 20	23 15	0 47	12 6	2 53	25 54	3 17	8 37	1 19	19 15	0 33	7 3	0 36	15 42	1 49	7 59	12 22	23 18	23 15	14 31	14 51	2 2
M14	23 17	21 16	1s 1	22 57	0 35	12 14	2 57	25 55	3 20	8 37	1 19	19 16	0 33	7 3	0 36	15 42	1 49	7 59	12 22	23 18	23 15	14 29	14 52	2 2
T 15	23 20	17 20	2 18	22 39	0 24	12 22	3 1	25 56	3 23	8 37	1 19	19 17	0 33	7 3	0 36	15 41	1 49	8 0	12 22	23 18	23 16	14 26	14 53	2 2
W16	23 23	12 22	3 26	22 21	0 11	12 31	3 5	25 56	3 26	8 37	1 19	19 18	0 33	7 3	0 36	15 41	1 49	8 0	12 22	23 18	23 16	14 24	14 54	2 2
T 17	23 25	6 46	4 19	22 3	0s 1	12 40	3 8	25 57	3 28	8 37	1 18	19 18	0 34	7 2	0 36	15 41	1 49	8 0	12 22	23 18	23 16	14 21	14 55	2 2
F 18	23 27	0 54	4 56	21 44	0 15	12 50	3 11	25 57	3 31	8 37	1 18	19 19	0 34	7 2	0 36	15 41	1 49	8 0	12 23	23 18	23 16	14 19	14 56	2 3
S 19	23 28	4s54	5 15	21 26	0 29	13 0	3 14	25 57	3 34	8 37	1 18	19 20	0 34	7 2	0 36	15 40	1 49	8 0	12 23	23 18	23 16	14 16	14 57	2 3
S 20	23 29	10 20	5 15	21 7	0 43	13 11	3 16	25 58	3 36	8 37	1 18	19 21	0 34	7 2	0 36	15 40	1 49	8 0	12 23	23 18	23 16	14 14	14 57	2 3
M21	23 29	15 10	4 57	20 49	0 58	13 21	3 18	25 58	3 38	8 37	1 17	19 22	0 34	7 2	0 36	15 40	1 49	8 0	12 23	23 18	23 17	14 11	14 58	2 3
T 22	23 29	19 11	4 25	20 31	1 13	13 32	3 20	25 58	3 41	8 37	1 17	19 23	0 34	7 2	0 36	15 39	1 49	8 1	12 23	23 18	23 17	14 9	14 59	2 3
W23	23 29	22 12	3 39	20 13	1 28	13 44	3 22	25 58	3 43	8 37	1 17	19 24	0 34	7 2	0 36	15 39	1 48	8 1	12 23	23 18	23 17	14 6	15 0	2 3
T 24	23 28	24 3	2 44	19 56	1 44	13 55	3 24	25 57	3 45	8 38	1 16	19 25	0 34	7 2	0 36	15 39	1 48	8 1	12 23	23 18	23 17	14 3	15 0	2 4
F 25	23 27	24 40	1 41	19 40	2 0	14 7	3 25	25 57	3 47	8 38	1 16	19 25	0 35	7 2	0 36	15 39	1 48	8 1	12 23	23 18	23 17	14 1	15 1	2 4
S 26	23 25	24 4	0 35	19 24	2 15	14 19	3 27	25 57	3 49	8 38	1 16	19 26	0 35	7 2	0 36	15 38	1 48	8 1	12 23	23 18	23 18	13 58	15 2	2 4
S 27	23 23	22 19	0n32	19 9	2 31	14 31	3 28	25 57	3 50	8 39	1 16	19 27	0 35	7 2	0 36	15 38	1 48	8 1	12 23	23 18	23 18	13 56	15 3	2 4
M28	23 21	19 36	1 37	18 55	2 47	14 43	3 28	25 57	3 52	8 40	1 15	19 28	0 35	7 2	0 36	15 38	1 48	8 1	12 24	23 18	23 18	13 53	15 3	2 4
T 29	23 18	16 5	2 38	18 42	3 2	14 56	3 29	25 56	3 53	8 40	1 15	19 29	0 35	7 2	0 36	15 38	1 48	8 1	12 24	23 18	23 18	13 51	15 4	2 4
W30	23n15	11s56	3n31	18n30	3s17	15n 8	3s30	25s56	3s55	8s41	1n15	19s30	0s35	7s 2	0n36	15s38	1n48	8n 2	12s24	23s18	23s18	13s48	15n 5	2s 5

Julian Day Number = 2319478.5, Delta T = 62.28 sec
Ecliptic obliquity = 23°29'12, Nutation = 0°00'16
Ayanamsha: Fagan/Bradley = 19°41'37, Lahiri = 18°48'37Greg. Calendar

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JULY 1638 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷
T 1	18 36 10	8♋57'43	0♓25	21°R18	23♉42	10°R17	25♎26	5°R25	19♎20	18°R27	29♉51	7°R 3	6♑54	13♒47	17♉30
F 2	18 40 7	9°54'54	12°19	20♋53	24°34	10♐ 7	25°27	5♒21	19°21	18♏27	29°52	7♑ 3	6°51	13°54	17°33
S 3	18 44 3	10°52'05	24°19	20°25	25°28	9°58	25°29	5°17	19°21	18°26	29°53	7° 3	6°48	14° 0	17°36
S 4	18 48 0	11°49'16	6♈31	19°53	26°22	9°49	25°31	5°13	19°21	18°25	29°54	7°D 3	6°45	14° 7	17°39
M 5	18 51 56	12°46'28	18°59	19°19	27°16	9°41	25°33	5° 9	19°22	18°24	29°55	7° 3	6°42	14°14	17°42
T 6	18 55 53	13°43'40	1♉47	18°42	28°11	9°34	25°36	5° 5	19°22	18°23	29°56	7° 3	6°38	14°20	17°45
W 7	18 59 49	14°40'52	14°58	18° 4	29° 6	9°28	25°38	5° 1	19°22	18°23	29°57	7° 4	6°35	14°27	17°47
T 8	19 3 46	15°38'06	28°35	17°25	0♊ 2	9°23	25°41	4°57	19°23	18°22	29°58	7° 4	6°32	14°34	17°50
F 9	19 7 43	16°35'20	12♊38	16°46	0°58	9°18	25°44	4°53	19°24	18°21	29°59	7° 5	6°29	14°40	17°53
S 10	19 11 39	17°32'34	27° 5	16° 7	1°55	9°14	25°47	4°49	19°24	18°21	0♊ 0	7° 5	6°26	14°47	17°55
S 11	19 15 36	18°29'49	11♋52	15°29	2°52	9°12	25°50	4°45	19°25	18°20	0° 1	7°R 6	6°23	14°54	17°58
M12	19 19 32	19°27'05	26°52	14°53	3°50	9°10	25°53	4°41	19°26	18°19	0° 2	7° 5	6°19	15° 0	18° 1
T 13	19 23 29	20°24'20	11♌58	14°19	4°48	9° 8	25°57	4°37	19°26	18°19	0° 3	7° 4	6°16	15° 7	18° 3
W14	19 27 25	21°21'36	26°59	13°49	5°46	9°D 8	26° 1	4°32	19°27	18°18	0° 4	7° 2	6°13	15°14	18° 5
T 15	19 31 22	22°18'52	11♍48	13°22	6°45	9° 9	26° 4	4°28	19°28	18°18	0° 5	7° 1	6°10	15°20	18° 8
F 16	19 35 18	23°16'09	26°18	12°59	7°44	9°10	26° 8	4°24	19°29	18°17	0° 6	6°59	6° 7	15°27	18°10
S 17	19 39 15	24°13'26	10♎25	12°40	8°44	9°12	26°13	4°19	19°30	18°17	0° 7	6°58	6° 4	15°34	18°13
S 18	19 43 12	25°10'43	24° 8	12°27	9°44	9°16	26°17	4°15	19°31	18°16	0° 8	6°D57	6° 0	15°40	18°15
M19	19 47 8	26° 8'00	7♏28	12°19	10°44	9°19	26°21	4°11	19°32	18°16	0° 9	6°58	5°57	15°47	18°17
T 20	19 51 5	27° 5'18	20°27	12°D16	11°44	9°24	26°26	4° 6	19°34	18°16	0° 9	6°59	5°54	15°54	18°19
W21	19 55 1	28° 2'36	3♐ 7	12°20	12°45	9°30	26°31	4° 2	19°35	18°15	0°10	7° 0	5°51	16° 0	18°21
T 22	19 58 58	28°59'55	15°32	12°29	13°46	9°36	26°36	3°57	19°36	18°15	0°11	7° 2	5°48	16° 7	18°23
F 23	20 2 54	29°57'15	27°44	12°44	14°48	9°43	26°41	3°53	19°37	18°15	0°12	7° 3	5°44	16°14	18°25
S 24	20 6 51	0♌54'35	9♑48	13° 6	15°50	9°51	26°46	3°49	19°39	18°15	0°13	7°R 3	5°41	16°20	18°27
S 25	20 10 47	1°51'56	21°44	13°33	16°52	10° 0	26°52	3°44	19°40	18°14	0°13	7° 2	5°38	16°27	18°29
M26	20 14 44	2°49'17	3♒37	14° 7	17°54	10° 9	26°57	3°40	19°41	18°14	0°14	7° 0	5°35	16°34	18°31
T 27	20 18 41	3°46'39	15°27	14°47	18°56	10°20	27° 3	3°35	19°43	18°14	0°15	6°57	5°32	16°41	18°33
W28	20 22 37	4°44'03	27°17	15°33	19°59	10°31	27° 9	3°31	19°45	18°14	0°15	6°52	5°29	16°47	18°34
T 29	20 26 34	5°41'27	9♓ 9	16°25	21° 2	10°42	27°15	3°26	19°46	18°14	0°16	6°48	5°25	16°54	18°36
F 30	20 30 30	6°38'52	21° 5	17°23	22° 6	10°55	27°21	3°22	19°48	18°14	0°17	6°43	5°22	17° 1	18°38
S 31	20 34 27	7♌36'19	3♈ 8	18♋27	23♊ 9	11♐ 8	27♎27	3♒17	19♎49	18°D14	0♊17	6♑38	5♑19	17♒ 7	18♉39

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	23n11	7s22	4n15	18n19	3s31	15n21	3s30	25s56	3s56	8s42	1n15	19s31	0s35	7s 2	0n36	15s37	1n48	8n 2	12s24	23s18	23s18	13s45	15n 5	2s 5
F 2	23 7	2 31	4 48	18 10	3 45	15 33	3 30	25 55	3 57	8 43	1 14	19 32	0 35	7 2	0 36	15 37	1 48	8 2	12 24	23 18	23 19	13 43	15 6	2 5
S 3	23 2	2n29	5 10	18 1	3 57	15 46	3 30	25 55	3 59	8 44	1 14	19 33	0 35	7 2	0 36	15 37	1 48	8 2	12 24	23 18	23 19	13 40	15 7	2 5
S 4	22 58	7 27	5 17	17 54	4 9	15 59	3 30	25 55	4 0	8 45	1 14	19 35	0 36	7 2	0 36	15 37	1 48	8 2	12 24	23 18	23 19	13 38	15 7	2 5
M 5	22 52	12 14	5 10	17 48	4 20	16 11	3 30	25 55	4 1	8 46	1 13	19 36	0 36	7 3	0 36	15 37	1 48	8 2	12 24	23 18	23 19	13 35	15 8	2 6
T 6	22 47	16 37	4 48	17 44	4 29	16 24	3 29	25 54	4 1	8 47	1 13	19 37	0 36	7 3	0 36	15 36	1 48	8 2	12 25	23 18	23 19	13 33	15 9	2 6
W 7	22 41	20 21	4 11	17 41	4 37	16 36	3 28	25 54	4 2	8 48	1 13	19 38	0 36	7 3	0 35	15 36	1 48	8 2	12 25	23 18	23 19	13 30	15 9	2 6
T 8	22 34	23 6	3 18	17 40	4 44	16 49	3 28	25 54	4 3	8 49	1 13	19 39	0 36	7 3	0 35	15 36	1 48	8 2	12 25	23 18	23 19	13 27	15 10	2 6
F 9	22 27	24 32	2 12	17 40	4 49	17 1	3 27	25 54	4 4	8 50	1 12	19 40	0 36	7 3	0 35	15 36	1 48	8 2	12 25	23 18	23 20	13 25	15 10	2 6
S 10	22 20	24 22	0 55	17 41	4 52	17 14	3 26	25 54	4 4	8 52	1 12	19 41	0 36	7 4	0 35	15 36	1 48	8 2	12 25	23 18	23 20	13 22	15 11	2 7
S 11	22 12	22 31	0s26	17 44	4 53	17 26	3 24	25 54	4 5	8 53	1 12	19 42	0 36	7 4	0 35	15 36	1 48	8 2	12 25	23 18	23 20	13 20	15 11	2 7
M12	22 4	19 4	1 47	17 48	4 53	17 38	3 23	25 54	4 5	8 55	1 12	19 43	0 36	7 4	0 35	15 36	1 48	8 2	12 26	23 18	23 20	13 17	15 12	2 7
T 13	21 56	14 20	3 1	17 53	4 52	17 50	3 22	25 54	4 5	8 56	1 11	19 44	0 37	7 5	0 35	15 36	1 47	8 2	12 26	23 18	23 20	13 15	15 12	2 7
W14	21 47	8 45	4 2	17 59	4 48	18 2	3 20	25 54	4 6	8 58	1 11	19 45	0 37	7 5	0 35	15 35	1 47	8 2	12 26	23 18	23 20	13 12	15 13	2 7
T 15	21 38	2 44	4 46	18 7	4 43	18 13	3 18	25 55	4 6	8 59	1 11	19 47	0 37	7 5	0 35	15 35	1 47	8 2	12 26	23 18	23 21	13 9	15 13	2 8
F 16	21 29	3s16	5 11	18 16	4 37	18 24	3 17	25 55	4 6	9 1	1 11	19 48	0 37	7 6	0 35	15 35	1 47	8 2	12 26	23 18	23 21	13 7	15 14	2 8
S 17	21 19	8 58	5 15	18 25	4 29	18 36	3 15	25 55	4 6	9 3	1 10	19 49	0 37	7 6	0 35	15 35	1 47	8 2	12 26	23 18	23 21	13 4	15 14	2 8
S 18	21 8	14 3	5 2	18 35	4 20	18 47	3 13	25 56	4 6	9 5	1 10	19 50	0 37	7 7	0 35	15 35	1 47	8 2	12 27	23 18	23 21	13 2	15 14	2 8
M19	20 58	18 19	4 32	18 46	4 10	18 57	3 11	25 56	4 6	9 7	1 10	19 51	0 37	7 7	0 35	15 35	1 47	8 2	12 27	23 18	23 21	12 59	15 15	2 9
T 20	20 47	21 35	3 50	18 58	3 58	19 8	3 8	25 57	4 6	9 8	1 9	19 52	0 37	7 8	0 35	15 35	1 47	8 2	12 27	23 18	23 21	12 56	15 15	2 9
W21	20 36	23 42	2 56	19 10	3 46	19 18	3 6	25 58	4 5	9 10	1 9	19 53	0 37	7 8	0 35	15 35	1 47	8 2	12 27	23 18	23 21	12 54	15 16	2 9
T 22	20 24	24 37	1 56	19 22	3 33	19 27	3 4	25 58	4 5	9 12	1 9	19 55	0 37	7 9	0 35	15 35	1 47	8 2	12 27	23 18	23 22	12 51	15 16	2 9
F 23	20 12	24 19	0 51	19 34	3 19	19 37	3 1	25 59	4 5	9 15	1 9	19 56	0 37	7 9	0 35	15 35	1 47	8 2	12 27	23 18	23 22	12 48	15 16	2 9
S 24	20 0	22 52	0n15	19 47	3 5	19 46	2 59	26 0	4 4	9 17	1 8	19 57	0 38	7 10	0 35	15 35	1 47	8 2	12 28	23 18	23 22	12 46	15 17	2 10
S 25	19 47	20 25	1 20	19 59	2 50	19 55	2 56	26 1	4 4	9 19	1 8	19 58	0 38	7 10	0 35	15 35	1 47	8 2	12 28	23 18	23 22	12 43	15 17	2 10
M26	19 34	17 6	2 21	20 10	2 35	20 4	2 53	26 2	4 4	9 21	1 8	19 59	0 38	7 11	0 35	15 35	1 47	8 2	12 28	23 18	23 22	12 41	15 17	2 10
T 27	19 21	13 7	3 15	20 22	2 19	20 12	2 50	26 3	4 3	9 23	1 8	20 0	0 38	7 11	0 35	15 35	1 47	8 2	12 28	23 18	23 22	12 38	15 17	2 10
W28	19 7	8 39	4 1	20 32	2 4	20 19	2 47	26 4	4 3	9 26	1 7	20 1	0 38	7 12	0 35	15 35	1 47	8 2	12 28	23 18	23 22	12 35	15 18	2 11
T 29	18 53	3 52	4 37	20 41	1 48	20 27	2 45	26 5	4 2	9 28	1 7	20 2	0 38	7 13	0 35	15 35	1 47	8 2	12 29	23 19	23 23	12 33	15 18	2 11
F 30	18 39	1n 4	5 1	20 50	1 32	20 34	2 41	26 6	4 1	9 31	1 7	20 4	0 38	7 13	0 35	15 35	1 46	8 2	12 29	23 19	23 23	12 30	15 18	2 11
S 31	18n24	6n 1	5n12	20n57	1s17	20n40	2s38	26s 8	4s 1	9s33	1n 7	20s 5	0s38	7s14	0n35	15s35	1n46	8n 2	12s29	23s19	23s23	12s28	15n18	2s11

Julian Day Number = 2319508.5, Delta T = 62.11 sec
Ecliptic obliquity = 23°29'11, Nutation = 0°00'17
Ayanamsha: Fagan/Bradley = 19°41'41, Lahiri = 18°48'41Greg. Calendar

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AUGUST 1638 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷
S 1	20 38 23	8♌33'46	15♈21	19♋36	24♊13	11♐21	27♎34	3°R13	19♎51	18♏14	0♊18	6°R35	5♑16	17♒14	18♉41
M 2	20 42 20	9°31'15	27°48	20°51	25°17	11°36	27°40	3♒ 9	19°53	18°14	0°19	6♑33	5°13	17°21	18°42
T 3	20 46 16	10°28'46	10♉32	22°12	26°22	11°51	27°47	3° 4	19°55	18°14	0°19	6°D32	5°10	17°27	18°43
W 4	20 50 13	11°26'18	23°37	23°37	27°26	12° 7	27°54	3° 0	19°57	18°14	0°20	6°33	5° 6	17°34	18°45
T 5	20 54 10	12°23'51	7♊ 6	25° 7	28°31	12°23	28° 1	2°55	19°59	18°14	0°20	6°34	5° 3	17°41	18°46
F 6	20 58 6	13°21'26	21° 2	26°42	29°36	12°40	28° 8	2°51	20° 1	18°15	0°21	6°35	5° 0	17°47	18°47
S 7	21 2 3	14°19'02	5♋24	28°21	0♋41	12°58	28°15	2°47	20° 3	18°15	0°21	6°R36	4°57	17°54	18°48
S 8	21 5 59	15°16'40	20° 9	0♌ 4	1°47	13°16	28°23	2°42	20° 5	18°15	0°22	6°35	4°54	18° 1	18°49
M 9	21 9 56	16°14'19	5♌13	1°50	2°52	13°35	28°30	2°38	20° 7	18°15	0°22	6°33	4°50	18° 7	18°50
T 10	21 13 52	17°11'59	20°28	3°40	3°58	13°54	28°38	2°34	20° 9	18°16	0°23	6°29	4°47	18°14	18°51
W11	21 17 49	18° 9'41	5♍42	5°32	5° 4	14°15	28°46	2°30	20°11	18°16	0°23	6°23	4°44	18°21	18°52
T 12	21 21 45	19° 7'23	20°45	7°26	6°10	14°35	28°54	2°25	20°13	18°16	0°23	6°17	4°41	18°27	18°53
F 13	21 25 42	20° 5'07	5♎30	9°23	7°17	14°56	29° 2	2°21	20°16	18°17	0°24	6°11	4°38	18°34	18°54
S 14	21 29 39	21° 2'52	19°48	11°21	8°23	15°18	29°10	2°17	20°18	18°17	0°24	6° 6	4°35	18°41	18°54
S 15	21 33 35	22° 0'38	3♏38	13°20	9°30	15°40	29°18	2°13	20°20	18°18	0°25	6° 2	4°31	18°47	18°55
M16	21 37 32	22°58'25	17° 0	15°19	10°37	16° 3	29°26	2° 9	20°23	18°18	0°25	6° 1	4°28	18°54	18°55
T 17	21 41 28	23°56'14	29°57	17°19	11°44	16°27	29°35	2° 5	20°25	18°19	0°25	6°D 1	4°25	19° 1	18°56
W18	21 45 25	24°54'04	12♐31	19°20	12°51	16°50	29°44	2° 1	20°28	18°19	0°25	6° 2	4°22	19° 8	18°56
T 19	21 49 21	25°51'54	24°48	21°20	13°59	17°15	29°52	1°57	20°30	18°20	0°26	6° 3	4°19	19°14	18°57
F 20	21 53 18	26°49'47	6♑52	23°20	15° 6	17°40	0♏ 1	1°54	20°33	18°21	0°26	6°R 3	4°16	19°21	18°57
S 21	21 57 14	27°47'40	18°48	25°20	16°14	18° 5	0°10	1°50	20°35	18°21	0°26	6° 2	4°12	19°28	18°57
S 22	22 1 11	28°45'35	0♒39	27°18	17°22	18°31	0°19	1°46	20°38	18°22	0°26	5°59	4° 9	19°34	18°57
M23	22 5 8	29°43'31	12°29	29°16	18°30	18°57	0°28	1°42	20°41	18°23	0°26	5°54	4° 6	19°41	18°58
T 24	22 9 4	0♍41'29	24°19	1♍13	19°38	19°23	0°37	1°39	20°43	18°23	0°27	5°46	4° 3	19°48	18°R58
W25	22 13 1	1°39'28	6♓12	3°10	20°46	19°51	0°47	1°35	20°46	18°24	0°27	5°37	4° 0	19°54	18°58
T 26	22 16 57	2°37'29	18° 9	5° 5	21°55	20°18	0°56	1°32	20°49	18°25	0°27	5°26	3°56	20° 1	18°58
F 27	22 20 54	3°35'32	0♈12	6°58	23° 3	20°46	1° 6	1°28	20°52	18°26	0°27	5°15	3°53	20° 8	18°57
S 28	22 24 50	4°33'37	12°22	8°51	24°12	21°14	1°16	1°25	20°55	18°27	0°27	5° 5	3°50	20°14	18°57
S 29	22 28 47	5°31'43	24°42	10°43	25°21	21°43	1°25	1°22	20°58	18°28	0°27	4°57	3°47	20°21	18°57
M30	22 32 43	6°29'51	7♉13	12°33	26°30	22°12	1°35	1°18	21° 0	18°29	0°27	4°51	3°44	20°28	18°57
T 31	22 36 40	7♍28'02	19♉58	14♍23	27♋39	22♐41	1♏45	1♒15	21♎ 3	18♏30	0°R27	4♑47	3♑41	20♒34	18♉56

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	18n 9	10n48	5n 9	21n 2	1s 2	20n47	2s35	26s 9	4s 0	9s36	1n 6	20s 6	0s38	7s15	0n35	15s35	1n46	8n 2	12s29	23s19	23s23	12s25	15n19	2s11
M 2	17 54	15 14	4 51	21 6	0 47	20 52	2 32	26 10	3 59	9 38	1 6	20 7	0 38	7 15	0 35	15 35	1 46	8 2	12 29	23 19	23 23	12 22	15 19	2 12
T 3	17 39	19 6	4 19	21 8	0 32	20 58	2 29	26 12	3 59	9 41	1 6	20 8	0 38	7 16	0 34	15 35	1 46	8 2	12 30	23 19	23 23	12 20	15 19	2 12
W 4	17 23	22 9	3 33	21 7	0 18	21 2	2 25	26 13	3 58	9 43	1 6	20 9	0 39	7 17	0 34	15 36	1 46	8 1	12 30	23 19	23 23	12 17	15 19	2 12
T 5	17 7	24 4	2 34	21 5	0 4	21 7	2 22	26 14	3 57	9 46	1 6	20 10	0 39	7 18	0 34	15 36	1 46	8 1	12 30	23 19	23 23	12 14	15 19	2 12
F 6	16 51	24 35	1 24	21 0	0n 9	21 11	2 19	26 16	3 56	9 49	1 5	20 11	0 39	7 18	0 34	15 36	1 46	8 1	12 30	23 19	23 24	12 12	15 19	2 13
S 7	16 34	23 29	0 7	20 52	0 21	21 14	2 15	26 17	3 55	9 52	1 5	20 12	0 39	7 19	0 34	15 36	1 46	8 1	12 31	23 19	23 24	12 9	15 19	2 13
S 8	16 17	20 46	1s13	20 42	0 33	21 17	2 11	26 19	3 54	9 55	1 5	20 13	0 39	7 20	0 34	15 36	1 46	8 1	12 31	23 19	23 24	12 7	15 19	2 13
M 9	16 0	16 35	2 29	20 30	0 43	21 19	2 8	26 20	3 54	9 57	1 5	20 14	0 39	7 21	0 34	15 36	1 46	8 1	12 31	23 19	23 24	12 4	15 19	2 13
T 10	15 43	11 17	3 35	20 14	0 53	21 21	2 4	26 22	3 53	10 0	1 4	20 15	0 39	7 22	0 34	15 36	1 46	8 1	12 31	23 20	23 24	12 1	15 19	2 14
W11	15 25	5 19	4 26	19 56	1 2	21 23	2 1	26 23	3 52	10 3	1 4	20 16	0 39	7 23	0 34	15 36	1 46	8 1	12 31	23 20	23 24	11 59	15 19	2 14
T 12	15 7	0s54	4 58	19 35	1 11	21 24	1 57	26 25	3 51	10 6	1 4	20 18	0 39	7 23	0 34	15 37	1 46	8 0	12 32	23 20	23 24	11 56	15 19	2 14
F 13	14 49	6 55	5 9	19 12	1 18	21 24	1 53	26 26	3 50	10 9	1 4	20 19	0 39	7 24	0 34	15 37	1 46	8 0	12 32	23 21	23 24	11 53	15 19	2 14
S 14	14 31	12 23	5 0	18 46	1 25	21 24	1 50	26 28	3 49	10 12	1 4	20 20	0 39	7 25	0 34	15 37	1 46	8 0	12 32	23 21	23 24	11 51	15 19	2 14
S 15	14 12	17 3	4 34	18 18	1 30	21 23	1 46	26 29	3 48	10 16	1 3	20 20	0 39	7 26	0 34	15 37	1 45	8 0	12 32	23 21	23 25	11 48	15 19	2 15
M16	13 53	20 41	3 54	17 47	1 35	21 22	1 42	26 31	3 47	10 19	1 3	20 21	0 39	7 27	0 34	15 37	1 45	8 0	12 33	23 21	23 25	11 45	15 19	2 15
T 17	13 34	23 9	3 2	17 14	1 39	21 20	1 38	26 32	3 45	10 22	1 3	20 22	0 39	7 28	0 34	15 38	1 45	8 0	12 33	23 21	23 25	11 43	15 19	2 15
W18	13 15	24 23	2 4	16 40	1 42	21 18	1 34	26 33	3 44	10 25	1 3	20 23	0 39	7 29	0 34	15 38	1 45	7 59	12 33	23 21	23 25	11 40	15 19	2 15
T 19	12 55	24 23	1 0	16 4	1 44	21 15	1 30	26 35	3 43	10 28	1 2	20 24	0 39	7 30	0 34	15 38	1 45	7 59	12 33	23 21	23 25	11 37	15 19	2 16
F 20	12 36	23 14	0n 4	15 26	1 45	21 12	1 27	26 36	3 42	10 32	1 2	20 25	0 40	7 31	0 34	15 38	1 45	7 59	12 33	23 21	23 25	11 35	15 19	2 16
S 21	12 16	21 2	1 8	14 46	1 46	21 8	1 23	26 37	3 41	10 35	1 2	20 26	0 40	7 32	0 34	15 39	1 45	7 59	12 34	23 21	23 25	11 32	15 19	2 16
S 22	11 56	17 58	2 8	14 6	1 46	21 3	1 19	26 38	3 40	10 38	1 2	20 27	0 40	7 33	0 34	15 39	1 45	7 59	12 34	23 21	23 25	11 29	15 18	2 16
M23	11 35	14 10	3 3	13 24	1 46	20 58	1 15	26 39	3 39	10 42	1 2	20 28	0 40	7 34	0 34	15 39	1 45	7 59	12 34	23 21	23 25	11 27	15 18	2 17
T 24	11 15	9 50	3 49	12 41	1 44	20 52	1 11	26 40	3 37	10 45	1 1	20 29	0 40	7 35	0 34	15 39	1 45	7 58	12 34	23 22	23 25	11 24	15 18	2 17
W25	10 54	5 8	4 26	11 57	1 42	20 46	1 7	26 41	3 36	10 49	1 1	20 30	0 40	7 36	0 34	15 40	1 45	7 58	12 35	23 22	23 26	11 22	15 18	2 17
T 26	10 34	0 14	4 51	11 13	1 40	20 39	1 3	26 42	3 35	10 52	1 1	20 30	0 40	7 37	0 34	15 40	1 45	7 58	12 35	23 22	23 26	11 19	15 17	2 17
F 27	10 13	4n43	5 3	10 28	1 37	20 32	0 59	26 43	3 34	10 56	1 1	20 31	0 40	7 38	0 34	15 40	1 45	7 58	12 35	23 23	23 26	11 16	15 17	2 18
S 28	9 51	9 31	5 2	9 43	1 34	20 24	0 56	26 44	3 33	10 59	1 1	20 32	0 40	7 39	0 34	15 40	1 45	7 58	12 35	23 23	23 26	11 14	15 17	2 18
S 29	9 30	14 1	4 46	8 57	1 30	20 16	0 52	26 45	3 31	11 3	1 1	20 33	0 40	7 41	0 34	15 41	1 45	7 57	12 36	23 24	23 26	11 11	15 17	2 18
M30	9 9	18 0	4 17	8 11	1 26	20 7	0 48	26 45	3 30	11 6	1 0	20 34	0 40	7 42	0 34	15 41	1 45	7 57	12 36	23 24	23 26	11 8	15 16	2 18
T 31	8n47	21n13	3n35	7n25	1n21	19n57	0s44	26s46	3s29	11s10	1n 0	20s34	0s40	7s43	0n34	15s41	1n45	7n57	12s36	23s24	23s26	11s 6	15n16	2s19

Julian Day Number = 2319539.5, Delta T = 61.94 sec
Ecliptic obliquity = 23°29'11, Nutation = 0°00'18
Ayanamsha: Fagan/Bradley = 19°41'45, Lahiri = 18°48'45Greg. Calendar

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SEPTEMBER 1638 GC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷
W 1	22 40 37	8♍26'14	3♊ 0	16♍11	28♋49	23♐11	1♏55	1°R12	21♎ 6	18♏31	0°R27	4°D46	3♑37	20♒41	18°R56
T 2	22 44 33	9°24'29	16°22	17°57	29°58	23°41	2° 5	1♒ 9	21° 9	18°32	0♊27	4♑46	3°34	20°48	18♉55
F 3	22 48 30	10°22'45	0♋ 7	19°43	1♌ 8	24°12	2°16	1° 6	21°12	18°33	0°27	4°R46	3°31	20°54	18°55
S 4	22 52 26	11°21'04	14°17	21°28	2°17	24°42	2°26	1° 3	21°16	18°34	0°27	4°46	3°28	21° 1	18°54
S 5	22 56 23	12°19'25	28°50	23°11	3°27	25°14	2°36	1° 0	21°19	18°35	0°27	4°44	3°25	21° 8	18°53
M 6	23 0 19	13°17'48	13♌43	24°53	4°37	25°45	2°47	0°58	21°22	18°36	0°27	4°39	3°22	21°15	18°53
T 7	23 4 16	14°16'13	28°50	26°34	5°47	26°17	2°57	0°55	21°25	18°37	0°27	4°32	3°18	21°21	18°52
W 8	23 8 12	15°14'39	14♍ 1	28°14	6°57	26°49	3° 8	0°53	21°28	18°39	0°26	4°23	3°15	21°28	18°51
T 9	23 12 9	16°13'08	29° 7	29°53	8° 8	27°22	3°19	0°50	21°31	18°40	0°26	4°12	3°12	21°35	18°50
F 10	23 16 6	17°11'38	13♎56	1♎31	9°18	27°54	3°30	0°48	21°35	18°41	0°26	4° 2	3° 9	21°41	18°49
S 11	23 20 2	18°10'10	28°22	3° 8	10°29	28°28	3°41	0°45	21°38	18°42	0°26	3°53	3° 6	21°48	18°48
S 12	23 23 59	19° 8'44	12♏19	4°44	11°39	29° 1	3°52	0°43	21°41	18°44	0°25	3°46	3° 2	21°55	18°47
M13	23 27 55	20° 7'20	25°46	6°18	12°50	29°35	4° 3	0°41	21°45	18°45	0°25	3°42	2°59	22° 1	18°46
T 14	23 31 52	21° 5'58	8♐45	7°52	14° 1	0♑ 9	4°14	0°39	21°48	18°46	0°25	3°39	2°56	22° 8	18°44
W15	23 35 48	22° 4'37	21°21	9°25	15°12	0°43	4°25	0°37	21°51	18°48	0°25	3°D39	2°53	22°15	18°43
T 16	23 39 45	23° 3'18	3♑37	10°56	16°23	1°17	4°36	0°35	21°55	18°49	0°24	3°R39	2°50	22°21	18°42
F 17	23 43 41	24° 2'00	15°39	12°27	17°34	1°52	4°48	0°33	21°58	18°51	0°24	3°38	2°47	22°28	18°40
S 18	23 47 38	25° 0'44	27°32	13°57	18°45	2°27	4°59	0°32	22° 2	18°52	0°24	3°36	2°43	22°35	18°39
S 19	23 51 35	25°59'30	9♒21	15°25	19°57	3° 3	5°11	0°30	22° 5	18°54	0°23	3°32	2°40	22°41	18°37
M20	23 55 31	26°58'18	21°11	16°53	21° 8	3°38	5°22	0°29	22° 9	18°55	0°23	3°25	2°37	22°48	18°36
T 21	23 59 28	27°57'08	3♓ 3	18°20	22°20	4°14	5°34	0°27	22°12	18°57	0°22	3°15	2°34	22°55	18°34
W22	0 3 24	28°55'59	15° 2	19°45	23°31	4°50	5°46	0°26	22°16	18°58	0°22	3° 2	2°31	23° 2	18°32
T 23	0 7 21	29°54'53	27° 7	21°10	24°43	5°26	5°57	0°25	22°19	19° 0	0°21	2°49	2°27	23° 8	18°30
F 24	0 11 17	0♎53'48	9♈22	22°33	25°55	6° 2	6° 9	0°24	22°23	19° 2	0°21	2°34	2°24	23°15	18°29
S 25	0 15 14	1°52'46	21°45	23°55	27° 7	6°39	6°21	0°23	22°26	19° 3	0°20	2°21	2°21	23°22	18°27
S 26	0 19 10	2°51'45	4♉18	25°16	28°19	7°16	6°33	0°22	22°30	19° 5	0°20	2°10	2°18	23°28	18°25
M27	0 23 7	3°50'47	17° 2	26°36	29°31	7°53	6°45	0°21	22°33	19° 7	0°19	2° 2	2°15	23°35	18°23
T 28	0 27 3	4°49'52	29°56	27°55	0♍43	8°30	6°57	0°20	22°37	19° 8	0°19	1°56	2°12	23°42	18°21
W29	0 31 0	5°48'58	13♊ 4	29°13	1°56	9° 8	7° 9	0°19	22°41	19°10	0°18	1°53	2° 8	23°48	18°19
T 30	0 34 57	6♎48'07	26♊27	0♏29	3♍ 8	9♑45	7♏21	0♒19	22♎44	19♏12	0♊18	1♑52	2♑ 5	23♒55	18♉17

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
W 1	8n25	23n26	2n41	6n38	1n16	19n47	0s40	26s46	3s28	11s14	1n 0	20s35	0s40	7s44	0n34	15s42	1n44	7n57	12s36	23s24	23s26	11s 3	15n16	2s19
T 2	8 3	24 23	1 36	5 52	1 11	19 36	0 36	26 46	3 26	11 17	1 0	20 36	0 40	7 45	0 34	15 42	1 44	7 56	12 36	23 24	23 26	11 0	15 15	2 19
F 3	7 41	23 54	0 25	5 5	1 6	19 25	0 33	26 46	3 25	11 21	1 0	20 36	0 40	7 46	0 34	15 42	1 44	7 56	12 37	23 24	23 26	10 58	15 15	2 19
S 4	7 19	21 53	0s50	4 18	1 0	19 13	0 29	26 46	3 24	11 25	0 59	20 37	0 40	7 47	0 34	15 43	1 44	7 56	12 37	23 24	23 26	10 55	15 14	2 20
S 5	6 57	18 24	2 4	3 32	0 54	19 1	0 25	26 46	3 22	11 28	0 59	20 38	0 40	7 49	0 33	15 43	1 44	7 56	12 37	23 24	23 27	10 52	15 14	2 20
M 6	6 35	13 41	3 11	2 46	0 47	18 48	0 21	26 46	3 21	11 32	0 59	20 38	0 40	7 50	0 33	15 44	1 44	7 55	12 37	23 24	23 27	10 50	15 14	2 20
T 7	6 12	8 4	4 6	2 0	0 41	18 35	0 18	26 46	3 20	11 36	0 59	20 39	0 40	7 51	0 33	15 44	1 44	7 55	12 38	23 25	23 27	10 47	15 13	2 20
W 8	5 50	1 56	4 43	1 14	0 34	18 21	0 14	26 45	3 18	11 40	0 59	20 40	0 40	7 52	0 33	15 44	1 44	7 55	12 38	23 25	23 27	10 44	15 13	2 20
T 9	5 27	4s15	5 1	0 28	0 28	18 6	0 10	26 45	3 17	11 43	0 59	20 40	0 40	7 54	0 33	15 45	1 44	7 55	12 38	23 25	23 27	10 41	15 12	2 21
F 10	5 4	10 4	4 57	0s17	0 21	17 51	0 7	26 44	3 16	11 47	0 58	20 41	0 40	7 55	0 33	15 45	1 44	7 54	12 38	23 25	23 27	10 39	15 12	2 21
S 11	4 41	15 11	4 35	1 2	0 14	17 36	0 3	26 43	3 14	11 51	0 58	20 41	0 40	7 56	0 33	15 45	1 44	7 54	12 39	23 26	23 27	10 36	15 11	2 21
S 12	4 18	19 19	3 57	1 47	0 6	17 20	0n 0	26 42	3 13	11 55	0 58	20 42	0 40	7 57	0 33	15 46	1 44	7 54	12 39	23 26	23 27	10 33	15 11	2 21
M13	3 55	22 15	3 6	2 31	0s 1	17 3	0 4	26 41	3 12	11 59	0 58	20 42	0 41	7 59	0 33	15 46	1 44	7 54	12 39	23 26	23 27	10 31	15 10	2 22
T 14	3 32	23 55	2 8	3 15	0 8	16 46	0 7	26 39	3 10	12 3	0 58	20 43	0 41	8 0	0 33	15 47	1 44	7 53	12 39	23 26	23 27	10 28	15 9	2 22
W15	3 9	24 17	1 5	3 59	0 16	16 29	0 11	26 38	3 9	12 7	0 58	20 43	0 41	8 1	0 33	15 47	1 44	7 53	12 39	23 26	23 27	10 25	15 9	2 22
T 16	2 46	23 26	0 0	4 42	0 23	16 11	0 14	26 36	3 7	12 11	0 58	20 44	0 41	8 2	0 33	15 48	1 44	7 53	12 40	23 26	23 27	10 23	15 8	2 22
F 17	2 22	21 31	1n 3	5 24	0 31	15 52	0 17	26 34	3 6	12 15	0 57	20 44	0 41	8 4	0 33	15 48	1 44	7 53	12 40	23 26	23 27	10 20	15 8	2 23
S 18	1 59	18 41	2 3	6 6	0 38	15 33	0 21	26 32	3 5	12 19	0 57	20 44	0 41	8 5	0 33	15 48	1 44	7 52	12 40	23 26	23 28	10 17	15 7	2 23
S 19	1 36	15 6	2 57	6 47	0 46	15 14	0 24	26 30	3 3	12 23	0 57	20 45	0 41	8 6	0 33	15 49	1 44	7 52	12 40	23 26	23 28	10 15	15 6	2 23
M20	1 12	10 57	3 43	7 28	0 53	14 54	0 27	26 28	3 2	12 27	0 57	20 45	0 41	8 8	0 33	15 49	1 44	7 52	12 40	23 27	23 28	10 12	15 6	2 23
T 21	0 49	6 22	4 20	8 8	1 1	14 34	0 30	26 25	3 0	12 31	0 57	20 45	0 41	8 9	0 33	15 50	1 43	7 51	12 41	23 27	23 28	10 9	15 5	2 23
W22	0 26	1 32	4 45	8 48	1 9	14 14	0 33	26 23	2 59	12 35	0 57	20 46	0 41	8 10	0 33	15 50	1 43	7 51	12 41	23 27	23 28	10 7	15 4	2 24
T 23	0 2	3n25	4 58	9 27	1 16	13 52	0 36	26 20	2 58	12 39	0 57	20 46	0 41	8 12	0 33	15 51	1 43	7 51	12 41	23 27	23 28	10 4	15 4	2 24
F 24	0s21	8 16	4 58	10 5	1 23	13 31	0 39	26 17	2 56	12 43	0 56	20 46	0 41	8 13	0 33	15 51	1 43	7 51	12 41	23 28	23 28	10 1	15 3	2 24
S 25	0 45	12 52	4 43	10 42	1 31	13 9	0 42	26 14	2 55	12 47	0 56	20 46	0 41	8 14	0 33	15 52	1 43	7 50	12 41	23 28	23 28	9 59	15 2	2 24
S 26	1 8	16 58	4 15	11 19	1 38	12 47	0 45	26 10	2 53	12 51	0 56	20 47	0 41	8 16	0 33	15 52	1 43	7 50	12 42	23 28	23 28	9 56	15 2	2 25
M27	1 32	20 21	3 33	11 55	1 45	12 24	0 48	26 7	2 52	12 55	0 56	20 47	0 41	8 17	0 33	15 53	1 43	7 50	12 42	23 28	23 28	9 53	15 1	2 25
T 28	1 55	22 47	2 40	12 30	1 52	12 1	0 50	26 3	2 51	12 59	0 56	20 47	0 41	8 18	0 33	15 53	1 43	7 49	12 42	23 28	23 28	9 50	15 0	2 25
W29	2 19	24 2	1 38	13 4	1 59	11 38	0 53	25 59	2 49	13 3	0 56	20 47	0 41	8 20	0 33	15 54	1 43	7 49	12 42	23 28	23 28	9 48	14 59	2 25
T 30	2s42	23n55	0n29	13s37	2s 6	11n14	0n55	25s55	2s48	13s 7	0n56	20s47	0s41	8s21	0n33	15s54	1n43	7n49	12s42	23s28	23s28	9s45	14n58	2s25

Julian Day Number = 2319570.5, Delta T = 61.77 sec
Ecliptic obliquity = 23°29'12, Nutation = 0°00'18
Ayanamsha: Fagan/Bradley = 19°41'50, Lahiri = 18°48'49Greg. Calendar

OCTOBER 1638 GC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷
F 1	0 38 53	7♎47'18	10♋ 7	1♏43	4♍21	10♑23	7♏34	0°R19	22♎48	19♏14	0°R17	1°R52	2♑ 2	24♒ 2	18°R14
S 2	0 42 50	8°46'32	24° 5	2°56	5°33	11° 1	7°46	0♒18	22°52	19°15	0♊16	1♑52	1°59	24° 8	18♉12
S 3	0 46 46	9°45'48	8♌22	4° 8	6°46	11°39	7°58	0°18	22°55	19°17	0°16	1°50	1°56	24°15	18°10
M 4	0 50 43	10°45'06	22°56	5°17	7°59	12°18	8°11	0°18	22°59	19°19	0°15	1°45	1°53	24°22	18° 7
T 5	0 54 39	11°44'27	7♍43	6°25	9°11	12°56	8°23	0°D18	23° 3	19°21	0°14	1°37	1°49	24°29	18° 5
W 6	0 58 36	12°43'50	22°36	7°31	10°24	13°35	8°35	0°18	23° 7	19°23	0°14	1°27	1°46	24°35	18° 3
T 7	1 2 32	13°43'15	7♎27	8°34	11°37	14°14	8°48	0°18	23°10	19°25	0°13	1°16	1°43	24°42	18° 0
F 8	1 6 29	14°42'42	22° 6	9°35	12°50	14°53	9° 0	0°18	23°14	19°27	0°12	1° 5	1°40	24°49	17°58
S 9	1 10 26	15°42'11	6♏27	10°34	14° 3	15°32	9°13	0°19	23°18	19°29	0°11	0°55	1°37	24°55	17°55
S 10	1 14 22	16°41'42	20°23	11°29	15°17	16°12	9°26	0°19	23°22	19°31	0°11	0°47	1°33	25° 2	17°53
M11	1 18 19	17°41'15	3♐52	12°21	16°30	16°51	9°38	0°20	23°25	19°33	0°10	0°41	1°30	25° 9	17°50
T 12	1 22 15	18°40'50	16°54	13°10	17°43	17°31	9°51	0°20	23°29	19°35	0° 9	0°38	1°27	25°15	17°47
W13	1 26 12	19°40'26	29°33	13°55	18°56	18°11	10° 4	0°21	23°33	19°37	0° 8	0°D38	1°24	25°22	17°45
T 14	1 30 8	20°40'05	11♑51	14°36	20°10	18°51	10°17	0°22	23°37	19°39	0° 7	0°38	1°21	25°29	17°42
F 15	1 34 5	21°39'45	23°55	15°11	21°23	19°31	10°30	0°23	23°40	19°41	0° 7	0°R38	1°18	25°36	17°39
S 16	1 38 1	22°39'27	5♒49	15°42	22°37	20°11	10°42	0°24	23°44	19°43	0° 6	0°37	1°14	25°42	17°36
S 17	1 41 58	23°39'11	17°39	16° 7	23°50	20°51	10°55	0°25	23°48	19°45	0° 5	0°34	1°11	25°49	17°33
M18	1 45 55	24°38'56	29°30	16°26	25° 4	21°32	11° 8	0°27	23°52	19°47	0° 4	0°29	1° 8	25°56	17°31
T 19	1 49 51	25°38'43	11♓25	16°37	26°18	22°13	11°21	0°28	23°55	19°49	0° 3	0°21	1° 5	26° 2	17°28
W20	1 53 48	26°38'32	23°29	16°R42	27°32	22°53	11°34	0°30	23°59	19°51	0° 2	0°11	1° 2	26° 9	17°25
T 21	1 57 44	27°38'22	5♈44	16°38	28°45	23°34	11°47	0°31	24° 3	19°53	0° 1	29♐59	0°58	26°16	17°22
F 22	2 1 41	28°38'15	18°11	16°26	29°59	24°15	12° 0	0°33	24° 7	19°55	0° 0	29°48	0°55	26°22	17°19
S 23	2 5 37	29°38'09	0♉50	16° 5	1♎13	24°56	12°13	0°35	24°10	19°57	29♉59	29°37	0°52	26°29	17°16
S 24	2 9 34	0♏38'06	13°42	15°35	2°27	25°37	12°26	0°36	24°14	19°59	29°58	29°27	0°49	26°36	17°13
M25	2 13 30	1°38'04	26°46	14°55	3°41	26°19	12°39	0°38	24°18	20° 2	29°57	29°21	0°46	26°42	17°10
T 26	2 17 27	2°38'05	10♊ 0	14° 6	4°56	27° 0	12°52	0°40	24°22	20° 4	29°56	29°16	0°43	26°49	17° 7
W27	2 21 24	3°38'08	23°25	13° 8	6°10	27°42	13° 6	0°43	24°25	20° 6	29°55	29°D15	0°39	26°56	17° 3
T 28	2 25 20	4°38'12	7♋ 1	12° 3	7°24	28°23	13°19	0°45	24°29	20° 8	29°54	29°15	0°36	27° 3	17° 0
F 29	2 29 17	5°38'19	20°47	10°52	8°38	29° 5	13°32	0°47	24°33	20°10	29°53	29°16	0°33	27° 9	16°57
S 30	2 33 13	6°38'28	4♌44	9°36	9°52	29°47	13°45	0°50	24°37	20°13	29°52	29°R16	0°30	27°16	16°54
S 31	2 37 10	7♏38'39	18♌51	8♏17	11♎ 7	0♒28	13♏58	0♒52	24♎40	20♏15	29♉51	29♐16	0♑27	27♒23	16♉51

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	3s 6	22n23	0s43	14s10	2s12	10n50	0n58	25s50	2s46	13s11	0n55	20s47	0s41	8s22	0n33	15s55	1n43	7n48	12s43	23s28	23s28	9s42	14n58	2s26
S 2	3 29	19 27	1 55	14 41	2 19	10 26	1 0	25 46	2 45	13 15	0 55	20 47	0 41	8 24	0 33	15 55	1 43	7 48	12 43	23 28	23 28	9 40	14 57	2 26
S 3	3 53	15 19	3 0	15 12	2 25	10 1	1 3	25 41	2 43	13 19	0 55	20 48	0 41	8 25	0 33	15 56	1 43	7 48	12 43	23 28	23 28	9 37	14 56	2 26
M 4	4 16	10 12	3 55	15 41	2 31	9 36	1 5	25 36	2 42	13 23	0 55	20 48	0 41	8 27	0 33	15 56	1 43	7 48	12 43	23 28	23 28	9 34	14 55	2 26
T 5	4 39	4 26	4 35	16 9	2 37	9 11	1 7	25 31	2 40	13 28	0 55	20 48	0 41	8 28	0 33	15 57	1 43	7 47	12 43	23 29	23 28	9 32	14 54	2 26
W 6	5 2	1s36	4 57	16 36	2 42	8 45	1 9	25 26	2 39	13 32	0 55	20 48	0 41	8 29	0 33	15 58	1 43	7 47	12 43	23 29	23 28	9 29	14 54	2 27
T 7	5 25	7 32	4 59	17 1	2 47	8 19	1 12	25 20	2 38	13 36	0 55	20 48	0 41	8 31	0 33	15 58	1 43	7 47	12 44	23 29	23 29	9 26	14 53	2 27
F 8	5 49	12 58	4 41	17 25	2 52	7 53	1 14	25 14	2 36	13 40	0 55	20 48	0 41	8 32	0 33	15 59	1 43	7 46	12 44	23 29	23 29	9 23	14 52	2 27
S 9	6 12	17 33	4 6	17 48	2 56	7 27	1 16	25 8	2 35	13 44	0 55	20 47	0 41	8 34	0 33	15 59	1 43	7 46	12 44	23 29	23 29	9 21	14 51	2 27
S 10	6 34	21 2	3 16	18 9	3 0	7 0	1 17	25 2	2 33	13 48	0 54	20 47	0 41	8 35	0 33	16 0	1 43	7 46	12 44	23 29	23 29	9 18	14 50	2 27
M11	6 57	23 12	2 17	18 29	3 3	6 33	1 19	24 56	2 32	13 52	0 54	20 47	0 41	8 36	0 33	16 0	1 43	7 45	12 44	23 29	23 29	9 15	14 49	2 28
T 12	7 20	24 2	1 12	18 46	3 6	6 6	1 21	24 49	2 30	13 56	0 54	20 47	0 41	8 38	0 33	16 1	1 43	7 45	12 44	23 29	23 29	9 13	14 48	2 28
W13	7 43	23 35	0 6	19 2	3 8	5 39	1 23	24 42	2 29	14 0	0 54	20 47	0 41	8 39	0 33	16 1	1 43	7 45	12 45	23 29	23 29	9 10	14 47	2 28
T 14	8 5	21 58	0n59	19 16	3 9	5 12	1 24	24 35	2 27	14 5	0 54	20 47	0 41	8 41	0 33	16 2	1 43	7 45	12 45	23 29	23 29	9 7	14 46	2 28
F 15	8 28	19 23	2 1	19 27	3 10	4 44	1 26	24 28	2 26	14 9	0 54	20 47	0 41	8 42	0 33	16 3	1 43	7 44	12 45	23 29	23 29	9 4	14 45	2 28
S 16	8 50	16 1	2 56	19 36	3 10	4 16	1 27	24 21	2 24	14 13	0 54	20 46	0 41	8 43	0 33	16 3	1 43	7 44	12 45	23 29	23 29	9 2	14 44	2 29
S 17	9 12	12 2	3 43	19 42	3 9	3 48	1 28	24 13	2 23	14 17	0 54	20 46	0 41	8 45	0 33	16 4	1 42	7 44	12 45	23 29	23 29	8 59	14 43	2 29
M18	9 34	7 36	4 20	19 46	3 7	3 20	1 30	24 5	2 21	14 21	0 54	20 46	0 41	8 46	0 33	16 4	1 42	7 43	12 45	23 29	23 29	8 56	14 43	2 29
T 19	9 56	2 52	4 47	19 46	3 3	2 52	1 31	23 57	2 20	14 25	0 54	20 46	0 41	8 48	0 33	16 5	1 42	7 43	12 45	23 29	23 29	8 54	14 42	2 29
W20	10 18	2n 1	5 1	19 43	2 59	2 23	1 32	23 49	2 19	14 29	0 53	20 45	0 41	8 49	0 33	16 5	1 42	7 43	12 45	23 29	23 29	8 51	14 41	2 29
T 21	10 39	6 54	5 2	19 36	2 53	1 55	1 33	23 41	2 17	14 33	0 53	20 45	0 41	8 50	0 33	16 6	1 42	7 42	12 46	23 29	23 29	8 48	14 40	2 29
F 22	11 1	11 35	4 48	19 25	2 45	1 26	1 34	23 32	2 16	14 37	0 53	20 45	0 41	8 52	0 33	16 7	1 42	7 42	12 46	23 29	23 29	8 45	14 39	2 29
S 23	11 22	15 51	4 20	19 11	2 36	0 58	1 35	23 23	2 14	14 41	0 53	20 44	0 41	8 53	0 33	16 7	1 42	7 42	12 46	23 29	23 29	8 43	14 38	2 30
S 24	11 43	19 27	3 38	18 52	2 26	0 29	1 36	23 14	2 13	14 45	0 53	20 44	0 41	8 54	0 33	16 8	1 42	7 42	12 46	23 29	23 29	8 40	14 37	2 30
M25	12 4	22 8	2 45	18 28	2 13	0 0	1 36	23 5	2 11	14 49	0 53	20 43	0 41	8 56	0 33	16 8	1 42	7 41	12 46	23 29	23 29	8 37	14 36	2 30
T 26	12 25	23 40	1 41	18 0	1 59	0s29	1 37	22 55	2 10	14 54	0 53	20 43	0 41	8 57	0 33	16 9	1 42	7 41	12 46	23 29	23 29	8 35	14 35	2 30
W27	12 45	23 50	0 31	17 27	1 43	0 58	1 38	22 46	2 8	14 58	0 53	20 42	0 41	8 59	0 33	16 10	1 42	7 41	12 46	23 29	23 29	8 32	14 34	2 30
T 28	13 6	22 36	0s42	16 51	1 26	1 26	1 38	22 36	2 7	15 2	0 53	20 42	0 41	9 0	0 33	16 10	1 42	7 40	12 46	23 29	23 29	8 29	14 33	2 30
F 29	13 26	20 1	1 53	16 11	1 7	1 55	1 38	22 26	2 5	15 6	0 53	20 41	0 41	9 1	0 33	16 11	1 42	7 40	12 46	23 29	23 29	8 26	14 32	2 31
S 30	13 46	16 14	2 59	15 28	0 47	2 24	1 39	22 15	2 4	15 10	0 53	20 41	0 41	9 3	0 33	16 11	1 42	7 40	12 46	23 29	23 29	8 24	14 31	2 31
S 31	14s 5	11n29	3s54	14s43	0s27	2s53	1n39	22s 5	2s 3	15s14	0n53	20s40	0s41	9s 4	0n33	16s12	1n42	7n40	12s47	23s29	23s29	8s21	14n30	2s31

Julian Day Number = 2319600.5, Delta T = 61.62 sec
Ecliptic obliquity = 23°29'11, Nutation = 0°00'17
Ayanamsha: Fagan/Bradley = 19°41'54, Lahiri = 18°48'54Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [1.12.2016]

NOVEMBER 1638 GC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷
M 1	2 41 6	8♏38'53	3♍ 8	6°R58	12♎21	1♒10	14♏12	0♒55	24♎44	20♏17	29°R50	29°R13	0♑24	27♒29	16°R48
T 2	2 45 3	9°39'08	17°31	5♏42	13°36	1°52	14°25	0°58	24°48	20°19	29♉49	29♐ 8	0°20	27°36	16♉45
W 3	2 48 59	10°39'25	1♎58	4°31	14°50	2°34	14°38	1° 0	24°51	20°21	29°48	29° 2	0°17	27°43	16°41
T 4	2 52 56	11°39'44	16°22	3°28	16° 5	3°17	14°51	1° 3	24°55	20°24	29°47	28°54	0°14	27°50	16°38
F 5	2 56 53	12°40'05	0♏37	2°33	17°19	3°59	15° 5	1° 6	24°59	20°26	29°46	28°46	0°11	27°56	16°35
S 6	3 0 49	13°40'28	14°39	1°48	18°34	4°41	15°18	1° 9	25° 2	20°28	29°45	28°39	0° 8	28° 3	16°32
S 7	3 4 46	14°40'53	28°21	1°15	19°49	5°24	15°31	1°13	25° 6	20°30	29°44	28°34	0° 4	28°10	16°28
M 8	3 8 42	15°41'19	11♐43	0°54	21° 3	6° 6	15°44	1°16	25°10	20°33	29°43	28°30	0° 1	28°16	16°25
T 9	3 12 39	16°41'47	24°42	0°D44	22°18	6°49	15°58	1°19	25°13	20°35	29°42	28°D29	29♐58	28°23	16°22
W10	3 16 35	17°42'17	7♑20	0°46	23°33	7°32	16°11	1°23	25°17	20°37	29°41	28°29	29°55	28°30	16°19
T 11	3 20 32	18°42'47	19°40	0°58	24°47	8°14	16°24	1°26	25°20	20°39	29°39	28°30	29°52	28°36	16°15
F 12	3 24 28	19°43'19	1♒46	1°20	26° 2	8°57	16°37	1°30	25°24	20°42	29°38	28°32	29°49	28°43	16°12
S 13	3 28 25	20°43'53	13°42	1°51	27°17	9°40	16°51	1°34	25°27	20°44	29°37	28°33	29°45	28°50	16° 9
S 14	3 32 22	21°44'27	25°34	2°31	28°32	10°23	17° 4	1°37	25°31	20°46	29°36	28°R34	29°42	28°57	16° 6
M15	3 36 18	22°45'03	7♓25	3°18	29°47	11° 6	17°17	1°41	25°34	20°48	29°35	28°32	29°39	29° 3	16° 3
T 16	3 40 15	23°45'40	19°23	4°11	1♏ 2	11°49	17°30	1°45	25°38	20°51	29°34	28°29	29°36	29°10	15°59
W17	3 44 11	24°46'18	1♈29	5°10	2°17	12°32	17°44	1°49	25°41	20°53	29°33	28°25	29°33	29°17	15°56
T 18	3 48 8	25°46'57	13°49	6°14	3°32	13°15	17°57	1°53	25°45	20°55	29°32	28°20	29°30	29°23	15°53
F 19	3 52 4	26°47'38	26°25	7°22	4°47	13°58	18°10	1°58	25°48	20°57	29°30	28°14	29°26	29°30	15°50
S 20	3 56 1	27°48'20	9♉18	8°34	6° 2	14°41	18°23	2° 2	25°51	21° 0	29°29	28° 9	29°23	29°37	15°47
S 21	3 59 57	28°49'03	22°28	9°49	7°17	15°25	18°36	2° 6	25°55	21° 2	29°28	28° 4	29°20	29°43	15°44
M22	4 3 54	29°49'47	5♊54	11° 7	8°32	16° 8	18°50	2°11	25°58	21° 4	29°27	28° 1	29°17	29°50	15°40
T 23	4 7 51	0♐50'33	19°34	12°27	9°47	16°51	19° 3	2°15	26° 1	21° 6	29°26	27°59	29°14	29°57	15°37
W24	4 11 47	1°51'20	3♋25	13°49	11° 2	17°34	19°16	2°20	26° 4	21° 9	29°25	27°D59	29°10	0♓ 4	15°34
T 25	4 15 44	2°52'09	17°26	15°13	12°17	18°18	19°29	2°25	26° 8	21°11	29°24	28° 0	29° 7	0°10	15°31
F 26	4 19 40	3°52'59	1♌32	16°38	13°32	19° 1	19°42	2°29	26°11	21°13	29°22	28° 2	29° 4	0°17	15°28
S 27	4 23 37	4°53'50	15°42	18° 4	14°47	19°45	19°55	2°34	26°14	21°15	29°21	28° 3	29° 1	0°24	15°25
S 28	4 27 33	5°54'43	29°52	19°32	16° 2	20°28	20° 8	2°39	26°17	21°17	29°20	28°R 4	28°58	0°30	15°22
M29	4 31 30	6°55'37	14♍ 3	21° 0	17°18	21°12	20°21	2°44	26°20	21°20	29°19	28° 4	28°55	0°37	15°19
T 30	4 35 26	7♐56'32	28♍10	22♏29	18♏33	21♒55	20♏34	2♒49	26♎23	21♏22	29♉18	28♐ 3	28♐51	0♓44	15♉16

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
M 1	14s25	6n 5	4s36	13s58	0s 6	3s22	1n39	21s54	2s 1	15s18	0n53	20s40	0s41	9s 5	0n33	16s13	1n42	7n39	12s47	23s29	23s29	8s18	14n29	2s31
T 2	14 44	0 19	5 1	13 13	0n14	3 51	1 39	21 43	2 0	15 22	0 52	20 39	0 41	9 7	0 33	16 13	1 42	7 39	12 47	23 29	23 29	8 16	14 28	2 31
W 3	15 3	5s28	5 7	12 31	0 34	4 20	1 39	21 32	1 58	15 26	0 52	20 39	0 41	9 8	0 33	16 14	1 42	7 39	12 47	23 29	23 29	8 13	14 27	2 31
T 4	15 22	10 57	4 53	11 52	0 53	4 49	1 39	21 21	1 57	15 29	0 52	20 38	0 41	9 9	0 33	16 14	1 42	7 39	12 47	23 29	23 29	8 10	14 25	2 31
F 5	15 40	15 47	4 22	11 17	1 10	5 17	1 39	21 10	1 55	15 33	0 52	20 37	0 41	9 11	0 33	16 15	1 42	7 38	12 47	23 29	23 29	8 7	14 24	2 31
S 6	15 58	19 40	3 34	10 47	1 26	5 46	1 39	20 58	1 54	15 37	0 52	20 37	0 41	9 12	0 33	16 16	1 42	7 38	12 47	23 29	23 29	8 5	14 23	2 31
S 7	16 16	22 22	2 36	10 23	1 39	6 14	1 39	20 46	1 52	15 41	0 52	20 36	0 41	9 13	0 33	16 16	1 42	7 38	12 47	23 29	23 29	8 2	14 22	2 32
M 8	16 34	23 43	1 30	10 4	1 51	6 43	1 38	20 35	1 51	15 45	0 52	20 35	0 41	9 15	0 33	16 17	1 42	7 37	12 47	23 29	23 29	7 59	14 21	2 32
T 9	16 52	23 43	0 20	9 52	2 1	7 11	1 38	20 22	1 50	15 49	0 52	20 34	0 41	9 16	0 33	16 17	1 42	7 37	12 47	23 29	23 29	7 56	14 20	2 32
W10	17 9	22 29	0n48	9 45	2 9	7 39	1 37	20 10	1 48	15 53	0 52	20 34	0 41	9 17	0 33	16 18	1 42	7 37	12 47	23 29	23 29	7 54	14 19	2 32
T 11	17 26	20 11	1 53	9 43	2 15	8 7	1 37	19 58	1 47	15 57	0 52	20 33	0 41	9 19	0 33	16 19	1 42	7 37	12 47	23 29	23 29	7 51	14 18	2 32
F 12	17 42	17 1	2 51	9 47	2 20	8 35	1 36	19 45	1 45	16 1	0 52	20 32	0 41	9 20	0 33	16 19	1 42	7 37	12 47	23 29	23 29	7 48	14 17	2 32
S 13	17 58	13 13	3 41	9 55	2 23	9 3	1 35	19 32	1 44	16 4	0 52	20 31	0 41	9 21	0 33	16 20	1 42	7 36	12 47	23 29	23 29	7 46	14 16	2 32
S 14	18 14	8 55	4 22	10 7	2 24	9 30	1 35	19 19	1 42	16 8	0 52	20 31	0 41	9 22	0 33	16 20	1 42	7 36	12 47	23 29	23 29	7 43	14 15	2 32
M15	18 30	4 18	4 51	10 22	2 25	9 57	1 34	19 6	1 41	16 12	0 52	20 30	0 41	9 24	0 33	16 21	1 42	7 36	12 47	23 29	23 29	7 40	14 14	2 32
T 16	18 45	0n30	5 8	10 41	2 24	10 24	1 33	18 52	1 40	16 16	0 52	20 29	0 41	9 25	0 33	16 22	1 42	7 36	12 47	23 29	23 29	7 37	14 13	2 32
W17	19 0	5 21	5 11	11 2	2 22	10 51	1 32	18 39	1 38	16 19	0 52	20 28	0 41	9 26	0 33	16 22	1 42	7 35	12 47	23 29	23 29	7 35	14 12	2 32
T 18	19 14	10 4	5 0	11 26	2 19	11 18	1 31	18 25	1 37	16 23	0 52	20 27	0 41	9 27	0 33	16 23	1 42	7 35	12 47	23 29	23 29	7 32	14 11	2 33
F 19	19 29	14 29	4 35	11 51	2 16	11 44	1 30	18 11	1 35	16 27	0 52	20 26	0 41	9 29	0 33	16 23	1 42	7 35	12 47	23 28	23 29	7 29	14 10	2 33
S 20	19 43	18 20	3 55	12 18	2 12	12 10	1 28	17 58	1 34	16 31	0 52	20 25	0 41	9 30	0 33	16 24	1 42	7 35	12 47	23 28	23 29	7 26	14 9	2 33
S 21	19 56	21 22	3 2	12 46	2 7	12 36	1 27	17 43	1 33	16 34	0 52	20 24	0 41	9 31	0 33	16 24	1 42	7 35	12 47	23 28	23 29	7 24	14 9	2 33
M22	20 9	23 16	1 58	13 15	2 2	13 1	1 26	17 29	1 31	16 38	0 52	20 23	0 41	9 32	0 33	16 25	1 42	7 34	12 47	23 28	23 29	7 21	14 8	2 33
T 23	20 22	23 50	0 46	13 45	1 57	13 26	1 25	17 15	1 30	16 41	0 51	20 22	0 41	9 33	0 33	16 26	1 42	7 34	12 47	23 28	23 29	7 18	14 7	2 33
W24	20 34	22 57	0s30	14 15	1 51	13 51	1 23	17 0	1 29	16 45	0 51	20 21	0 41	9 35	0 33	16 26	1 42	7 34	12 47	23 28	23 29	7 16	14 6	2 33
T 25	20 46	20 37	1 45	14 46	1 45	14 15	1 22	16 45	1 27	16 49	0 51	20 20	0 41	9 36	0 33	16 27	1 42	7 34	12 47	23 28	23 29	7 13	14 5	2 33
F 26	20 58	17 2	2 54	15 16	1 38	14 39	1 20	16 31	1 26	16 52	0 51	20 19	0 41	9 37	0 33	16 27	1 42	7 34	12 47	23 28	23 29	7 10	14 4	2 33
S 27	21 9	12 27	3 53	15 47	1 32	15 3	1 19	16 16	1 25	16 56	0 51	20 18	0 41	9 38	0 33	16 28	1 42	7 33	12 47	23 28	23 29	7 7	14 3	2 33
S 28	21 20	7 12	4 38	16 17	1 25	15 27	1 17	16 0	1 23	16 59	0 51	20 17	0 42	9 39	0 33	16 28	1 42	7 33	12 47	23 28	23 29	7 5	14 2	2 33
M29	21 31	1 35	5 6	16 47	1 18	15 50	1 15	15 45	1 22	17 3	0 51	20 16	0 42	9 40	0 33	16 29	1 42	7 33	12 47	23 28	23 29	7 2	14 1	2 33
T 30	21s41	4s 5	5s15	17s17	1n11	16s12	1n13	15s30	1s20	17s 6	0n51	20s15	0s42	9s41	0n33	16s30	1n42	7n33	12s46	23s28	23s29	6s59	14n 0	2s33

Julian Day Number = 2319631.5, Delta T = 61.47 sec
Ecliptic obliquity = 23°29'11, Nutation = 0°00'16
Ayanamsha: Fagan/Bradley = 19°41'58, Lahiri = 18°48'58Greg. Calendar

DECEMBER 1638 GC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷
W 1	4 39 23	8♐57'29	12♎13	23♏58	19♏48	22♒39	20♏47	2♒54	26♎26	21♏24	29°R17	28°R 1	28♐48	0♓51	15°R13
T 2	4 43 20	9°58'27	26° 8	25°28	21° 3	23°23	21° 0	2°59	26°29	21°26	29♉16	27♐59	28°45	0°57	15♉10
F 3	4 47 16	10°59'26	9♏54	26°59	22°18	24° 6	21°13	3° 4	26°32	21°28	29°15	27°56	28°42	1° 4	15° 8
S 4	4 51 13	12° 0'27	23°28	28°30	23°34	24°50	21°26	3°10	26°35	21°31	29°14	27°54	28°39	1°11	15° 5
S 5	4 55 9	13° 1'28	6♐48	0♐ 1	24°49	25°34	21°39	3°15	26°38	21°33	29°12	27°52	28°36	1°17	15° 2
M 6	4 59 6	14° 2'31	19°51	1°32	26° 4	26°17	21°52	3°21	26°41	21°35	29°11	27°51	28°32	1°24	14°59
T 7	5 3 2	15° 3'34	2♑39	3° 4	27°20	27° 1	22° 4	3°26	26°44	21°37	29°10	27°D51	28°29	1°31	14°57
W 8	5 6 59	16° 4'38	15°11	4°36	28°35	27°45	22°17	3°32	26°47	21°39	29° 9	27°52	28°26	1°37	14°54
T 9	5 10 55	17° 5'42	27°28	6° 8	29°50	28°29	22°30	3°37	26°49	21°41	29° 8	27°53	28°23	1°44	14°51
F 10	5 14 52	18° 6'47	9♒33	7°40	1♐ 6	29°12	22°42	3°43	26°52	21°43	29° 7	27°54	28°20	1°51	14°49
S 11	5 18 49	19° 7'52	21°29	9°13	2°21	29°56	22°55	3°49	26°55	21°45	29° 6	27°55	28°16	1°58	14°46
S 12	5 22 45	20° 8'58	3♓21	10°45	3°36	0♓40	23° 8	3°54	26°58	21°47	29° 5	27°55	28°13	2° 4	14°44
M13	5 26 42	21°10'04	15°13	12°18	4°52	1°24	23°20	4° 0	27° 0	21°49	29° 4	27°56	28°10	2°11	14°41
T 14	5 30 38	22°11'11	27° 9	13°51	6° 7	2° 8	23°33	4° 6	27° 3	21°51	29° 3	27°R56	28° 7	2°18	14°39
W15	5 34 35	23°12'17	9♈15	15°24	7°22	2°52	23°45	4°12	27° 5	21°53	29° 2	27°56	28° 4	2°24	14°37
T 16	5 38 31	24°13'24	21°34	16°57	8°38	3°35	23°57	4°18	27° 8	21°55	29° 1	27°55	28° 1	2°31	14°34
F 17	5 42 28	25°14'31	4♉11	18°31	9°53	4°19	24°10	4°24	27°10	21°57	29° 0	27°55	27°57	2°38	14°32
S 18	5 46 24	26°15'39	17° 8	20° 5	11° 8	5° 3	24°22	4°30	27°12	21°59	28°59	27°55	27°54	2°45	14°30
S 19	5 50 21	27°16'47	0♊28	21°38	12°24	5°47	24°34	4°36	27°15	22° 1	28°58	27°54	27°51	2°51	14°28
M20	5 54 18	28°17'55	14°10	23°13	13°39	6°31	24°46	4°43	27°17	22° 3	28°57	27°D54	27°48	2°58	14°25
T 21	5 58 14	29°19'03	28°13	24°47	14°55	7°15	24°59	4°49	27°19	22° 5	28°56	27°R54	27°45	3° 5	14°23
W22	6 2 11	0♋20'11	12♌31	26°21	16°10	7°59	25°11	4°55	27°22	22° 7	28°55	27°54	27°42	3°11	14°21
T 23	6 6 7	1°21'20	27° 2	27°56	17°25	8°43	25°23	5° 1	27°24	22° 9	28°54	27°54	27°38	3°18	14°19
F 24	6 10 4	2°22'29	11♎37	29°31	18°41	9°26	25°35	5° 8	27°26	22°11	28°53	27°54	27°35	3°25	14°18
S 25	6 14 0	3°23'38	26°12	1♋ 7	19°56	10°10	25°46	5°14	27°28	22°12	28°52	27°53	27°32	3°32	14°16
S 26	6 17 57	4°24'48	10♍41	2°42	21°12	10°54	25°58	5°21	27°30	22°14	28°51	27°53	27°29	3°38	14°14
M27	6 21 54	5°25'58	25° 0	4°18	22°27	11°38	26°10	5°27	27°32	22°16	28°50	27°52	27°26	3°45	14°12
T 28	6 25 50	6°27'08	9♎ 5	5°55	23°42	12°22	26°22	5°34	27°34	22°18	28°49	27°D52	27°22	3°52	14°11
W29	6 29 47	7°28'19	22°56	7°32	24°58	13° 6	26°33	5°40	27°36	22°19	28°49	27°52	27°19	3°58	14° 9
T 30	6 33 43	8°29'30	6♏32	9° 9	26°13	13°50	26°45	5°47	27°38	22°21	28°48	27°53	27°16	4° 5	14° 7
F 31	6 37 40	9♋30'41	19♏53	10♋46	27♐29	14♓33	26♏56	5♒54	27♎39	22♏23	28♉47	27♐54	27♐13	4♓12	14♉ 6

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
W 1	21s50	9s31	5s 6	17s47	1n 4	16s34	1n12	15s14	1s19	17s10	0n51	20s13	0s42	9s43	0n33	16s30	1n42	7n33	12s46	23s28	23s29	6s56	13n59	2s33
T 2	21 59	14 25	4 38	18 15	0 56	16 56	1 10	14 59	1 18	17 13	0 51	20 12	0 42	9 44	0 33	16 31	1 42	7 33	12 46	23 28	23 29	6 54	13 59	2 33
F 3	22 8	18 31	3 55	18 43	0 49	17 17	1 8	14 43	1 16	17 17	0 51	20 11	0 42	9 45	0 33	16 31	1 42	7 33	12 46	23 28	23 29	6 51	13 58	2 33
S 4	22 16	21 34	2 59	19 11	0 42	17 38	1 6	14 27	1 15	17 20	0 51	20 10	0 42	9 46	0 33	16 32	1 42	7 32	12 46	23 28	23 29	6 48	13 57	2 33
S 5	22 24	23 21	1 54	19 38	0 35	17 58	1 4	14 11	1 14	17 23	0 51	20 9	0 42	9 47	0 33	16 32	1 42	7 32	12 46	23 28	23 29	6 46	13 56	2 33
M 6	22 32	23 50	0 44	20 4	0 27	18 18	1 2	13 55	1 13	17 27	0 51	20 7	0 42	9 48	0 33	16 33	1 42	7 32	12 46	23 28	23 29	6 43	13 55	2 33
T 7	22 39	23 1	0n27	20 29	0 20	18 38	1 0	13 39	1 11	17 30	0 51	20 6	0 42	9 49	0 33	16 33	1 42	7 32	12 46	23 28	23 29	6 40	13 54	2 33
W 8	22 45	21 3	1 35	20 53	0 13	18 56	0 58	13 22	1 10	17 33	0 51	20 5	0 42	9 50	0 33	16 34	1 42	7 32	12 46	23 28	23 29	6 37	13 54	2 33
T 9	22 52	18 9	2 37	21 17	0 6	19 15	0 56	13 6	1 9	17 36	0 51	20 3	0 42	9 51	0 33	16 34	1 42	7 32	12 46	23 28	23 29	6 35	13 53	2 33
F 10	22 57	14 30	3 31	21 39	0s 1	19 33	0 54	12 49	1 7	17 40	0 51	20 2	0 42	9 52	0 33	16 35	1 42	7 32	12 45	23 28	23 29	6 32	13 52	2 33
S 11	23 2	10 20	4 15	22 0	0 8	19 50	0 52	12 33	1 6	17 43	0 51	20 1	0 42	9 53	0 33	16 35	1 42	7 32	12 45	23 28	23 28	6 29	13 51	2 33
S 12	23 7	5 48	4 49	22 21	0 15	20 6	0 49	12 16	1 5	17 46	0 51	20 0	0 42	9 54	0 33	16 36	1 42	7 32	12 45	23 28	23 28	6 26	13 51	2 33
M13	23 11	1 5	5 9	22 40	0 22	20 23	0 47	11 59	1 3	17 49	0 51	19 58	0 42	9 55	0 33	16 36	1 42	7 32	12 45	23 28	23 28	6 24	13 50	2 33
T 14	23 15	3n43	5 17	22 59	0 28	20 38	0 45	11 42	1 2	17 52	0 51	19 57	0 42	9 55	0 33	16 37	1 42	7 31	12 45	23 28	23 28	6 21	13 49	2 33
W15	23 19	8 26	5 11	23 16	0 35	20 53	0 43	11 25	1 1	17 55	0 51	19 55	0 42	9 56	0 33	16 37	1 43	7 31	12 45	23 28	23 28	6 18	13 49	2 33
T 16	23 22	12 55	4 51	23 32	0 41	21 7	0 40	11 8	1 0	17 58	0 51	19 54	0 42	9 57	0 33	16 38	1 43	7 31	12 45	23 28	23 28	6 15	13 48	2 33
F 17	23 24	16 57	4 16	23 46	0 47	21 21	0 38	10 51	0 58	18 1	0 51	19 53	0 42	9 58	0 33	16 38	1 43	7 31	12 45	23 28	23 28	6 13	13 47	2 33
S 18	23 26	20 18	3 28	24 0	0 53	21 34	0 35	10 34	0 57	18 4	0 51	19 51	0 42	9 59	0 33	16 39	1 43	7 31	12 44	23 28	23 28	6 10	13 47	2 33
S 19	23 27	22 41	2 27	24 12	0 59	21 47	0 33	10 17	0 56	18 7	0 51	19 50	0 42	10 0	0 33	16 39	1 43	7 31	12 44	23 28	23 28	6 7	13 46	2 33
M20	23 28	23 48	1 16	24 24	1 5	21 59	0 31	9 59	0 55	18 10	0 51	19 48	0 42	10 0	0 33	16 40	1 43	7 31	12 44	23 28	23 28	6 4	13 45	2 33
T 21	23 29	23 27	0s 2	24 33	1 11	22 10	0 28	9 42	0 54	18 13	0 51	19 47	0 42	10 1	0 33	16 40	1 43	7 31	12 44	23 28	23 28	6 2	13 45	2 33
W22	23 29	21 34	1 20	24 42	1 16	22 20	0 26	9 24	0 52	18 16	0 51	19 45	0 42	10 2	0 33	16 41	1 43	7 31	12 44	23 28	23 28	5 59	13 44	2 33
T 23	23 29	18 16	2 35	24 49	1 21	22 30	0 23	9 7	0 51	18 19	0 51	19 44	0 42	10 3	0 33	16 41	1 43	7 31	12 43	23 28	23 28	5 56	13 44	2 33
F 24	23 28	13 49	3 40	24 55	1 26	22 39	0 21	8 49	0 50	18 22	0 51	19 42	0 42	10 4	0 33	16 42	1 43	7 31	12 43	23 28	23 28	5 54	13 43	2 33
S 25	23 27	8 34	4 30	25 0	1 31	22 48	0 18	8 31	0 49	18 25	0 51	19 41	0 42	10 4	0 33	16 42	1 43	7 31	12 43	23 28	23 28	5 51	13 43	2 33
S 26	23 25	2 54	5 3	25 3	1 35	22 56	0 16	8 13	0 48	18 27	0 51	19 39	0 42	10 5	0 33	16 42	1 43	7 31	12 43	23 28	23 28	5 48	13 42	2 33
M27	23 22	2s51	5 17	25 4	1 39	23 3	0 14	7 56	0 46	18 30	0 51	19 38	0 42	10 6	0 33	16 43	1 43	7 31	12 43	23 28	23 28	5 45	13 42	2 33
T 28	23 20	8 22	5 11	25 4	1 43	23 9	0 11	7 38	0 45	18 33	0 51	19 36	0 42	10 6	0 33	16 43	1 43	7 31	12 43	23 28	23 28	5 43	13 41	2 33
W29	23 16	13 22	4 47	25 3	1 47	23 15	0 9	7 20	0 44	18 35	0 51	19 34	0 42	10 7	0 34	16 44	1 43	7 31	12 42	23 28	23 28	5 40	13 41	2 33
T 30	23 13	17 37	4 8	25 0	1 50	23 20	0 6	7 2	0 43	18 38	0 51	19 33	0 42	10 8	0 34	16 44	1 43	7 31	12 42	23 28	23 27	5 37	13 41	2 33
F 31	23s 9	20s53	3s16	24s56	1s54	23s24	0n 4	6s44	0s42	18s41	0n51	19s31	0s42	10s 8	0n34	16s44	1n43	7n31	12s42	23s28	23s27	5s34	13n40	2s33

Julian Day Number = 2319661.5, Delta T = 61.32 sec
Ecliptic obliquity = 23°29'10, Nutation = 0°00'16
Ayanamsha: Fagan/Bradley = 19°42'02, Lahiri = 18°49'02Greg. Calendar

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