

# Astrodienst Ephemeris Tables for the year 2020

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

JANUARY 2020 00:00 UT

Day	Sid.t	0	D	ğ	Ω	ð	4	ħ	)∤(	¥	В	n	Ω	Ç	ķ	Day
W 1	6 40 28	10중 0'34	16 <b>米</b> 8	4 <del>3</del> 23	± 14≈25	28M23	6 <b>පි</b> 40	21 3 24	2°R42	16 <b>)</b> 16	22~~~23	8°R23	8 <b>9</b> 14	27 <b>米</b> 3	1Υ36	W 1
T 2	6 44 25	11° 1'44	28° 1	5°58	15°38	29° 3	6°54	21°31	2 K42 2 <b>8</b> 41	16°17	22°25	8 <b>9</b> 23	8°11	27 <b>X</b> 3	1°37	T 2
F 3	6 48 21	12° 2'54	9 <b>Υ</b> 53	7°33	16°52	29°44	7° 8	21°38	2°41	16°18	22°27	8°D23	8° 8	27°17	1°38	F 3
S 4	6 52 18	13° 4'04	21°50	9° 8	18° 5	0 <b>,</b> ₹24	7°22	21°45	2°40	16°19	22°29	8°23	8° 5	27°23	1°39	S 4
S 5	6 56 14	14° 5'13	3 <b>8</b> 55	10°44	19°18	1° 5	7°35	21°52	2°40	16°21	22°31	8°23	8° 2	27°30	1°40	S 5
M 6	7 0 11	15° 6'22	16°14	12°20	20°32	1°45	7°49	21°59	2°40	16°22	22°33	8°24	7°58	27°37	1°42	M 6 T 7
1 /	7 4 8 7 8 4	16° 7'31 17° 8'39	28°50 11 <b>∏</b> 47	13°56 15°33	21°45 22°58	2°25 3° 6	8° 3	22° 6	2°39	16°23 16°25	22°35	8°25 8°26	7°55 7°52	27°43 27°50	1°43 1°44	T 7 W 8
W 8 T 9	7 8 4 7 12 1	17° 8'39 18° 9'48	25° 5	15°33 17°10	22°58 24°11	3° 6 3°46	8°17 8°31	22°13 22°20	2°39 2°39	16°25 16°26	22°37 22°39	8°26 8°26	7°52 7°49	27°50 27°57	1°44 1°46	W 8 T 9
F 10	7 12 1	18 948 19°10'55	8 <b>9</b> 44	17 10 18°47	25°24	4°27	8°44	22°27	2°39	16°27	22°41	8°R27	7°46	27 37 28° 4	1°47	F 10
S 11	7 19 54	20°12'03	22°44	20°25	25°24 26°37	5° 8	8°58	22°34	2°D39	16°29	22°43	8°26	7°43	28°10	1°49	S 11
S 12	7 23 50	21°13'11	$7\Omega$ 0	22° 4	27°50	5°48	9°12	22°42	2°39	16°30	22°45	8°25	7°39	28°17	1°50	S 12
M13	7 27 47	22°14'18	21°27	23°43	29° 3	6°29	9°25	22°49	2°39	16°32	22°47	8°24	7°36	28°24	1°52	M13
T 14	7 31 43	23°15'25	6 m 0	25°22	0 <b></b> ₩16	7° 9	9°39	22°56	2°39	16°33	22°49	8°22	7°33	28°30	1°54	T 14
W15 T 16	7 35 40 7 39 37	24°16'31 25°17'38	20°32 4 <b>Ω</b> 58	27° 2 28°42	1°29 2°42	7°50	9°53 10° 6	23° 3 23°10	2°39 2°40	16°35 16°36	22°51 22°53	8°20 8°18	7°30 7°27	28°37 28°44	1°55 1°57	W15 T 16
			19°14	28°42 0≈23	3°54	8°31 9°11	10° 6 10°20		2°40	16°38	22°55	8°17	7°24	28°51	1°57	F 17
F 17 S 18	7 43 33 7 47 30	26°18'44 27°19'51	3M18	0≈23 2° 4	5° 7	9°52	10°20 10°34	23°17 23°24	2°40	16°40	22°57	8°D17	7°24 7°20	28°57	2° 1	S 18
S 19	7 51 26	28°20'57	17° 8	3°46	6°20	10°33	10°47	23°31	2°41	16°41	22°59	8°18	7°17	29° 4	2° 3	S 19
M20	7 55 23	29°22'03	0 <b>∡</b> 744	5°28	7°32	11°13	11° 1	23°38	2°41	16°43	23° 1	8°19	7°14	29°11	2° 5	M20
T 21	7 59 19	0≈23'08	14° 7	7°10	8°44	11°54	11°14	23°45	2°42	16°45	23° 3	8°21	7°11	29°18	2° 7	T 21
W22	8 3 16	1°24'13	27°17	8°53	9°57	12°35	11°28	23°53	2°42	16°46	23° 5	8°22	7° 8	29°24	2° 9	W22
T 23	8 7 12	2°25'18	10중14	10°36	11° 9	13°16	11°41	24° 0	2°43	16°48	23° 7	8°R23	7° 4	29°31	2°11	T 23
F 24	8 11 9	3°26'22	23° 0	12°20	12°21	13°57	11°54	24° 7	2°43	16°50	23° 9	8°22	7° 1	29°38	2°13	F 24
S 25	8 15 6	4°27'25	5≈33	14° 3	13°33	14°37	12° 8	24°14	2°44	16°52	23°11	8°19	6°58	29°44	2°15	S 25
S 26	8 19 2	5°28'28	17°56	15°46	14°45	15°18	12°21	24°21	2°45	16°53	23°13	8°16	6°55	29°51	2°17	S 26
M27	8 22 59	6°29'30	0 <b>∺</b> 8	17°30	15°57	15°59	12°34	24°28	2°46	16°55	23°15	8°11	6°52	29°58	2°19	M27
T 28	8 26 55	7°30'30	12°12	19°13	17° 9	16°40	12°48	24°35	2°46	16°57	23°17	8° 6	6°49	0 <b>Υ</b> 5	2°22	T 28
W29	8 30 52	8°31'30	24° 8	20°56	18°20	17°21	13° 1	24°42	2°47	16°59	23°19	8° 0	6°45	0°11	2°24	W29
T 30	8 34 48	9°32'28	6 <b>Υ</b> 0	22°38	19°32	18° 2	13°14	24°49	2°48	17° 1	23°21	7°55	6°42	0°18	2°26	T 30
F 31	8 38 45	10≈33'26	17 <b>Y</b> 52	24≈19	20 <b>)</b> 44	18 <b>∡</b> 43	13 <b>る</b> 27	24 <b>궁</b> 56	2 <b>8</b> 49	17 <b>米</b> 3	23 <b>る</b> 23	7 <b>9</b> 51	6939	0 <b>Υ</b> 25	2 <b>Y</b> 29	F 31

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W 1 T 2 F 3	23 s 4 22 59 22 53	5 33 5 12	2 24 40 1	1 22 17 54 1	50 19 36 0 2	1 23 10 0 5	21 40 0 3	11n57 0s30 11 56 0 30 11 56 0 30	6 21 1 2	22 13 0 39	23n10 23n11 23 10 23 11 23 10 23 11	5 s48 5 46 5 43	3n19 2n55 3 19 2 55 3 19 2 55
S 4	22 48					0 23 9 0 5		11 56 0 30	6 20 1 2		23 10 23 11	5 41	3 20 2 55
S 5 M 6 T 7 W 8 T 9	22 20 22 12	12 41 4 11 16 36 3 22 19 51 2 22 22 7 1 13	1 24 31 1 2 24 26 1 2 24 18 1 3 24 10 1	1 40 16 20 1 1 44 15 55 1 1 47 15 30 1 1 51 15 5 1	47 20 12 0 1 46 20 21 0 1 45 20 29 0 1 44 20 38 0 1	9 23 7 0 5 8 23 7 0 5 7 23 6 0 5 7 23 5 0 5	21 36 0 3 21 35 0 3 21 34 0 3 21 33 0 3	11 56 0 29 11 56 0 29 11 56 0 29 11 56 0 29 11 56 0 29	6 19 1 1 6 19 1 1 6 18 1 1 6 18 1 1	22 12 0 40 22 12 0 40 22 12 0 40 22 11 0 40	23 10 23 12 23 10 23 12 23 10 23 12 23 10 23 12 23 10 23 12	5 38 5 36 5 33 5 31 5 28	3 20 2 54 3 20 2 54 3 21 2 54 3 21 2 54 3 21 2 54
F 10 S 11	22 4 21 55	23 11 On 2 22 48 1 18						11 56 0 29 11 56 0 29	6 17 1 1 6 17 1 1		23 10 23 13 23 10 23 13	5 25 5 23	3 22 2 53 3 22 2 53
S 12 M13 T 14 W15 T 16 F 17 S 18	_	17 45 3 36	5 23 21 2 7 23 4 2 1 22 47 2 5 22 28 2 0 22 7 2	2 1 13 20 1 2 3 12 53 1 2 4 12 25 1 2 5 11 57 1 2 6 11 29 1	38 21 9 0 1 36 21 17 0 1 35 21 24 0 1 33 21 31 0 1 31 21 38 0 1	5 23 3 0 4 4 23 2 0 4 4 23 1 0 4 3 23 0 0 4 2 22 59 0 4 1 22 57 0 4	21 28 0 2 21 27 0 2 21 26 0 2 21 25 0 2 21 24 0 2	11 56 0 29	6 16 1 1 1 6 15 1 1 6 15 1 1 6 14 1 1 6 13 1 1 6 12 1 1	22 10 0 40 22 9 0 41	23 10 23 13 23 10 23 13 23 10 23 13 23 10 23 13 23 10 23 14 23 11 23 14 23 11 23 14	5 20 5 18 5 15 5 13 5 10 5 8 5 5	3 23 2 53 3 23 2 53 3 24 2 52
S 19 M20 T 21 W22 T 23 F 24 S 25	20 17 20 4 19 51 19 37 19 23	17 10 3 13 20 21 2 10 22 24 1 12 23 13 0s10 22 47 1 19	20 0 2 0 19 30 2 0 18 59 1	2 5 10 3 1 2 4 9 34 1 2 2 9 5 1 2 0 8 35 1 1 57 8 5 1	25 21 58 0 23 22 4 0 20 22 10 0 18 22 16 0 15 22 22 0	0 22 56 0 4 9 22 55 0 4 9 22 54 0 3 8 22 53 0 3 7 22 52 0 3 7 22 51 0 3 6 22 50 0 3	21 20 0 2 21 19 0 2 21 18 0 2 21 17 0 2 21 16 0 1	11 57 0 29 11 57 0 29	6 12 1 1 1 6 11 1 1 6 10 1 1 1 6 9 1 1 1 6 8 1 1 1	22 9 0 41 22 8 0 41 22 8 0 41 22 8 0 41 22 8 0 41	23 11 23 14 23 10 23 14 23 10 23 14 23 10 23 15 23 10 23 15 23 10 23 15 23 10 23 15	5 3 5 0 4 57 4 55 4 52 4 50 4 47	3 26 2 52 3 27 2 51 3 27 2 51 3 28 2 51 3 29 2 51 3 29 2 51 3 30 2 50
S 26 M27 T 28 W29 T 30 F 31	18 39	15 16 4 6 11 19 4 41 6 58 5 3 2 23 5 12	5 17 16 1 1 16 39 1 3 16 0 1 2 15 21 1	1 45 6 35 1 1 40 6 4 1 1 34 5 33 1 1 28 5 3 0	8 22 38 0 5 22 42 0 2 22 47 0 59 22 52 0	4 22 48 0 3 4 22 46 0 3 3 22 45 0 3 2 22 44 0 3	21 12 0 1 21 11 0 1 21 10 0 1	11 58 0 29 11 59 0 29 11 59 0 29 11 59 0 29 12 0 0 29 12n 0 0s29	6 6 1 1 6 5 1 1 6 5 1 1 6 4 1 1	22 7 0 41 22 7 0 42 22 6 0 42 22 6 0 42	23 11 23 15 23 11 23 16 23 11 23 16 23 12 23 16 23 12 23 16 23 12 23 16 23n12 23n16	4 45 4 42 4 39 4 37 4 34 4s32	3 31 2 50 3 31 2 50 3 32 2 50 3 33 2 50 3 34 2 49 3n34 2n49

Julian Day Number = 2458849.5, Delta T = 69.36 sec Ecliptic obliquity =  $23^{\circ}26'10$ , Nutation = -  $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}01'11$ , Lahiri =  $24^{\circ}08'11$ 

FEBRUARY 2020 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ	)∤(	并	В	រា	S	Ç	ķ	Day
S 1	8 42 41	11≈34'22	29 <b>Y</b> 46	25≈59	21 <b>米</b> 55	19 <b>×</b> 724	13 <b>る</b> 40	25 <b>궁</b> 3	2 <b>8</b> 50	17 <b>米</b> 5	23 <b>る</b> 25	7°R49	6936	0 <b>Υ</b> 31	2 <b>Y</b> 31	S 1
S 2	8 46 38	12°35'17	11848	27°37	23° 6	20° 5	13°53	25°10	2°51	17° 7	23°27	7°D48	6°33	0°38	2°34	S 2
M 3	8 50 35	13°36'10	24° 3	29°14	24°17	20°46	14° 6	25°16	2°53	17° 9	23°29	79549	6°30	0°45	2°36	M 3
T 4	8 54 31	14°37'02	6 <b>Ⅱ</b> 35	0 <b>)</b> €48	25°29	21°27	14°19	25°23	2°54	17°11	23°31	7°50	6°26	0°52	2°39	T 4
W 5	8 58 28	15°37'53	19°28	2°20	26°40	22° 8	14°32	25°30	2°55	17°13	23°33	7°52	6°23	0°58	2°42	W 5
T 6	9 2 24	16°38'43	29547	3°48	27°50	22°49	14°45	25°37	2°56	17°15	23°34	7°R53	6°20	1° 5	2°44	T 6
F 7	9 6 21	17°39'31	16°33	5°11	29° 1	23°30	14°58	25°44	2°58	17°17	23°36	7°53	6°17	1°12	2°47	F 7
S 8	9 10 17	18°40'18	0 <b>Ω</b> 45	6°31	0 <b>Υ</b> 12	24°11	15°10	25°50	2°59	17°19	23°38	7°51	6°14	1°19	2°50	S 8
S 9	9 14 14	19°41'03	15°21	7°44	1°22	24°52	15°23	25°57	3° 1	17°21	23°40	7°47	6°10	1°25	2°52	S 9
M10	9 18 10	20°41'47	0 <b>m</b> 13	8°52	2°32	25°33	15°35	26° 4	3° 2	17°23	23°42	7°41	6° 7	1°32	2°55	M10
T 11	9 22 7	21°42'30	15°14	9°53	3°43	26°14	15°48	26°11	3° 4	17°25	23°44	7°34	6° 4	1°39	2°58	T 11
W12	9 26 4	22°43'11	0 <b>ჲ</b> 14	10°46	4°53	26°55	16° 0	26°17	3° 5	17°27	23°46	7°27	6° 1	1°45	3° 1	W12
T 13	9 30 0	23°43'52	15° 4	11°30	6° 3	27°36	16°13	26°24	3° 7	17°29	23°47	7°21	5°58	1°52	3° 4	T 13
F 14	9 33 57	24°44'31	29°38	12° 6	7°12	28°18	16°25	26°30	3° 9	17°31	23°49	7°16	5°55	1°59	3° 7	F 14
S 15	9 37 53	25°45'09	13 <b>M</b> 50	12°32	8°22	28°59	16°37	26°37	3°10	17°33	23°51	7°13	5°51	2° 6	3°10	S 15
S 16	9 41 50	26°45'46	27°40	12°48	9°31	29°40	16°50	26°43	3°12	17°36	23°53	7°D13	5°48	2°12	3°12	S 16
M17	9 45 46	27°46'22	11 <b>×7</b> 8	12°R53	10°41	0 <b>궁</b> 21	17° 2	26°50	3°14	17°38	23°54	7°13	5°45	2°19	3°15	M17
T 18	9 49 43	28°46'57	24°17	12°49	11°50	1° 3	17°14	26°56	3°16	17°40	23°56	7°14	5°42	2°26	3°18	T 18
W19	9 53 39	29°47'31	7 <b>る</b> 9	12°33	12°59	1°44	17°26	27° 3	3°18	17°42	23°58	7°R15	5°39	2°33	3°22	W19
T 20	9 57 36	0 <b>)</b> 48′03	19°47	12° 8	14° 8	2°25	17°38	27° 9	3°20	17°44	24° 0	7°14	5°36	2°39	3°25	T 20
F 21	10 1 33	1°48'34	2≈13	11°34	15°16	3° 7	17°50	27°15	3°22	17°46	24° 1	7°11	5°32	2°46	3°28	F 21
S 22	10 5 29	2°49'03	14°30	10°51	16°25	3°48	18° 1	27°22	3°24	17°49	24° 3	7° 5	5°29	2°53	3°31	S 22
S 23	10 9 26	3°49'31	26°40	10° 1	17°33	4°29	18°13	27°28	3°26	17°51	24° 5	6°57	5°26	2°59	3°34	S 23
M24	10 13 22	4°49'57	8 <b>) (</b> 43	9° 4	18°41	5°11	18°25	27°34	3°28	17°53	24° 6	6°47	5°23	3° 6	3°37	M24
T 25	10 17 19	5°50'22	20°41	8° 4	19°49	5°52	18°36	27°40	3°30	17°55	24° 8	6°35	5°20	3°13	3°40	T 25
W26	10 21 15	6°50'44	2 <b>Y</b> 35	7° 0	20°57	6°33	18°48	27°46	3°32	17°58	24° 9	6°23	5°16	3°20	3°44	W26
T 27	10 25 12	7°51'05	14°26	5°55	22° 5	7°15	18°59	27°52	3°34	18° 0	24°11	6°11	5°13	3°26	3°47	T 27
F 28	10 29 8	8°51'24	26°17	4°50	23°12	7°56	19°10	27°58	3°37	18° 2	24°12	6° 1	5°10	3°33	3°50	F 28
S 29	10 33 5	9 <b>)</b> (51'41	8 <b>8</b> 11	3 <b>∺</b> 48	24 <b>Υ</b> 19	8 <b>云</b> 38	19 <b>る</b> 22	28 <b>궁</b> 4	3 <b>8</b> 39	18 <b>∺</b> 4	24 <b>궁</b> 14	5954	5 <b>95</b> 7	<b>3</b> Υ40	3 <b>Ƴ</b> 53	S 29

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S 2	17 2	11 16	4 19	13 17	1 3	3 30	0 49	23 4	0s 0	22 40	0 2	21 5	0 1	12 1	0 29	6 2	1 1	22 5	0 42	23 12	23 16	4 27	3 36	2 49
M 3	16 44			12 35	0 54	2 58	-	23 8	0 1	22 39	0 2		0 1	12 1	0 29	6 1	1 1	22 5		-	23 17	4 24	3 37	2 49
T 4		18 44	2 42	-	0 43	2 27	-	23 11	0 2		0 2		0 1	12 2		6 0	1 1	22 5		-	23 17	4 21	3 38	2 49
W 5		21 23 22 57	1 39 0 28	11 9 10 26	0 32 0 20	1 56 1 24		<ul><li>23 15</li><li>23 18</li></ul>		22 37 22 35	0 2			12 2 12 3		5 59 5 58	1 1	22 5 22 5		-	23 17 23 17	4 19 4 16		2 48 2 48
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S 8		21 57	2 1	-	0n 6	0 21		23 23		22 33	0 2			12 4			1 1				23 17	4 11	3 41	2 48
S 9	14 55	19 14	3 9	8 21	0 20	0n10	0 25	23 26	0 6	22 31	0 2	20 57	0 0	12 4	0 28	5 56	1 1	22 4	0 43	23 12	23 18	4 8	3 42	2 48
M10	14 36	15 13	4 5	7 42	0 35	0 41	0 21		0 7	22 30	0 2	20 56	0 0	12 5	0 28	5 55	1 1	22 4	0 43	23 13	23 18	4 6	3 43	2 48
T 11	14 16		4 45	7 5	0 50	1 13		23 30		22 29	0 1			-	-						23 18	4 3	3 44	2 47
W12	13 56	4 35	5 6		1 6	1 44	-	23 32		22 27	0 1			-		5 54	1 1	22 3			23 18	4 1	3 45	2 47
T 13 F 14	13 37 13 16	1 s14 6 53	5 5 4 45	5 59 5 30	1 22 1 38	2 16 2 47		<ul><li>23 34</li><li>23 36</li></ul>		22 26 22 24	0 1 0 1		0 0 0s 0	12 6 12 7		5 53 5 52	1 1	22 3 22 3		-	23 18	3 58 3 55	3 46 3 47	2 47 2 47
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M17	12 15		2 16		2 26	4 20		23 39		22 20	0 1	20 48				5 49	1 1	22 2			23 19	3 47	3 50	2 46
_	11 54		1 9	4 17	2 40	4 51		23 39		22 19	0 1	20 46		12 10		5 49	1 1	22 2		-	23 19	3 45	3 52	2 46
W19 T 20	11 33 11 11	-	0 1 1s 7	4 10	2 54 3 7	5 22		<ul><li>23 40</li><li>23 40</li></ul>		22 17	0 1	20		12 10 12 11		5 48 5 47	1 1	22 2 22 2			23 19	3 42 3 40		2 46 2 46
F 21	10 50		2 10	4 8 4 11	3 7 3 18	5 53 6 24		23 40		22 16 22 14	0 1			12 11		5 46	1 1				23 19	3 40	3 55	2 46
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S 23	10 6	16 16	3 52	4 30	3 34	7 25	0 34	23 40	0 18	22 12	0 0	20 41	0 1	12 13	0 28	5 44	1 1	22 1	0 44	23 15	23 20	3 32	3 57	2 46
M24	-	-	4 28	4 47	3 39	7 55		23 39		22 10	0 0			12 14		5 43	1 1			-	23 20	3 29	3 58	2 45
T 25	9 22	8 10	4 52	5 6	3 42	8 25	-	23 38	0 20		0 0			12 15		5 42	1 1			-	23 20	3 26	3 59	2 45
W26 T 27	9 0 8 37	3 36	5 2 5 0	5 29 5 54	3 43 3 42	8 55	-	<ul><li>23 37</li><li>23 36</li></ul>	0 21 0 22		0 0			12 15 12 16		5 42 5 41	1 1				23 20 23 20	3 24 3 21	4 0 4 2	2 45 2 45
F 28	8 37	1n 5 5 43	5 0 4 45	6 21	3 42	9 24 9 54		23 36	0 22		0 0	20 36		12 16			1 1				23 20	3 19	4 2 4 3	2 45
S 29	7 s52	10n11	4 43 4s17	6 s49		9 34 10n23		23 s33		22 s 3		20 33 20 s34		12 17 12n18				22 s 0			23 20 23n20		-	2 43 2n45

Julian Day Number = 2458880.5, Delta T = 69.37 sec Ecliptic obliquity =  $23^{\circ}26'11$ , Nutation = - $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}01'15$ , Lahiri =  $24^{\circ}08'16$ 

MARCH 2020 00:00 UT

Day	Sid.t	$\odot$	D	φ	φ	♂	24	ħ	)f(	并	Р	r	v	Ç	Š	Day
S 1	10 37 2	10 <b>米</b> 51'57	20812	2°R48	25 <b>Y</b> 26	9 <b>궁</b> 19	19 <b>궁</b> 33	28 <b>궁</b> 10	3 <b>8</b> 41	18 <b>)</b> 7	24 <b>궁</b> 16	5°R49	599 4	<b>3</b> Υ46	3 <b>Ƴ</b> 57	S 1
M 2	10 40 58	11°52'10	2 <b>II</b> 23	1 <b></b> ₩53	26°33	10° 1	19°44	28°16	3°44	18° 9	24°17	59547	5° 1	3°53	4° 0	M 2
T 3	10 44 55	12°52'21	14°49	1° 3	27°39	10°42	19°55	28°21	3°46	18°11	24°18	5°D47	4°57	4° 0	4° 3	T 3
W 4	10 48 51	13°52'30	27°36	0°18	28°45	11°23	20° 5	28°27	3°49	18°13	24°20	5°47	4°54	4° 7	4° 7	W 4
T 5	10 52 48	14°52'37	109548	29≈41	29°51	12° 5	20°16	28°33	3°51	18°16	24°21	5°R47	4°51	4°13	4°10	T 5
F 6	10 56 44	15°52'42	24°28	29° 9	0 <b>8</b> 57	12°46	20°27	28°38	3°54	18°18	24°23	5°46	4°48	4°20	4°13	F 6
S 7	11 041	16°52'45	8 <b>N</b> 39	28°45	2° 3	13°28	20°37	28°44	3°56	18°20	24°24	5°42	4°45	4°27	4°17	S 7
S 8	11 437	17°52'45	23°17	28°28	3° 8	14° 9	20°48	28°49	3°59	18°23	24°25	5°36	4°41	4°34	4°20	S 8
M 9	11 8 34	18°52'44	8 <b>m</b> 19	28°17	4°13	14°51	20°58	28°55	4° 2	18°25	24°27	5°27	4°38	4°40	4°24	M 9
T 10	11 12 31	19°52'40	23°35	28°D13	5°17	15°33	21° 8	29° 0	4° 4	18°27	24°28	5°17	4°35	4°47	4°27	T 10
W11	11 16 27	20°52'35	8 <b>≏</b> 54	28°15	6°22	16°14	21°18	29° 5	4° 7	18°29	24°29	5° 6	4°32	4°54	4°31	W11
T 12	11 20 24	21°52'28	24° 5	28°23	7°26	16°56	21°28	29°11	4°10	18°32	24°31	4°56	4°29	5° 0	4°34	T 12
F 13	11 24 20	22°52'19	8 <b>M</b> .58	28°37	8°30	17°37	21°38	29°16	4°12	18°34	24°32	4°48	4°26	5° 7	4°37	F 13
S 14	11 28 17	23°52'08	23°26	28°56	9°33	18°19	21°48	29°21	4°15	18°36	24°33	4°42	4°22	5°14	4°41	S 14
S 15	11 32 13	24°51'56	7 <b>.</b> ₹26	29°21	10°36	19° 1	21°58	29°26	4°18	18°38	24°34	4°39	4°19	5°21	4°44	S 15
M16	11 36 10	25°51'42	20°59	29°50	11°39	19°42	22° 7	29°31	4°21	18°41	24°35	4°38	4°16	5°27	4°48	M16
T 17	11 40 6	26°51'27	4중 6	0 <b>∺</b> 23	12°42	20°24	22°17	29°36	4°24	18°43	24°37	4°38	4°13	5°34	4°51	T 17
W18	11 44 3	27°51'09	16°52	1° 1	13°44	21° 5	22°26	29°41	4°27	18°45	24°38	4°38	4°10	5°41	4°55	W18
T 19	11 48 0	28°50'50	29°21	1°43	14°46	21°47	22°35	29°45	4°30	18°48	24°39	4°36	4° 7	5°47	4°58	T 19
F 20	11 51 56	29°50'29	11≈37	2°29	15°47	22°29	22°45	29°50	4°32	18°50	24°40	4°32	4° 3	5°54	5° 2	F 20
S 21	11 55 53	0 <b>Υ</b> 50'07	23°43	3°18	16°48	23°10	22°54	29°55	4°35	18°52	24°41	4°24	4° 0	6° 1	5° 6	S 21
S 22	11 59 49	1°49'42	5 <b>)</b> €43	4°10	17°49	23°52	23° 2	29°59	4°38	18°54	24°42	4°14	3°57	6° 8	5° 9	S 22
M23	12 3 46	2°49'16	17°38	5° 5	18°49	24°34	23°11	0≈ 4	4°42	18°56	24°43	4° 1	3°54	6°14	5°13	M23
T 24	12 7 42	3°48'47	29°31	6° 3	19°49	25°16	23°20	0° 8	4°45	18°59	24°44	3°47	3°51	6°21	5°16	T 24
W25	12 11 39	4°48'17	11 <b>Y</b> 23	7° 4	20°48	25°57	23°28	0°12	4°48	19° 1	24°45	3°32	3°47	6°28	5°20	W25
T 26	12 15 35	5°47'44	23°15	8° 8	21°47	26°39	23°37	0°17	4°51	19° 3	24°46	3°18	3°44	6°35	5°23	T 26
F 27	12 19 32	6°47'09	5 <b>8</b> 9	9°14	22°46	27°21	23°45	0°21	4°54	19° 5	24°47	3° 5	3°41	6°41	5°27	F 27
S 28	12 23 28	7°46'33	17° 7	10°22	23°44	28° 2	23°53	0°25	4°57	19° 7	24°47	2°56	3°38	6°48	5°30	S 28
S 29	12 27 25	8°45'54	29°10	11°33	24°41	28°44	24° 1	0°29	5° 0	19°10	24°48	2°49	3°35	6°55	5°34	S 29
M30	12 31 22	9°45'12	11 <b>II</b> 23	12°46	25°38	29°26	24° 9	0°33	5° 3	19°12	24°49	2°46	3°32	7° 1	5°37	M30
T 31	12 35 18	10 <b>Y</b> 44'29	23∏49	14 <b>∺</b> 0	26 <b>8</b> 35	0≈ 7	24 <b>궁</b> 16	0≈37	5 <b>8</b> 7	19 <b>米</b> 14	24 <b>궁</b> 50	29544	39528	7 <b>Υ</b> 8	5 <b>Ƴ</b> 41	T 31

Day	0	D	ğ	Ş	ď	4	ħ	)Å(	¥	Р	w v	Ç	ķ
	decl	decl lat	decl lat	decl lat	ecl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
S 1 M 2 T 3	7 s29 7 7 6 44	14n18 3s38 17 54 2 48 20 46 1 49	7 45 3 1	16 11 21 1 12 23 5 11 50 1 16 23	29 0 26 27 0 27	5 22 0 0 0 7 21 58 0 1		12 19 0 28 12 20 0 28	5 s 38 1 s 1 5 37 1 1 5 36 1 1	22 0 0 45 22 0 0 45	23n19 23n20 23 19 23 21 23 19 23 21	3 s13 3 11 3 8	4n 5 2n45 4 6 2 45 4 8 2 44
W 4 T 5 F 6 S 7	5 57 5 34	22 41 0 43 23 26 0n27 22 49 1 37 20 45 2 45	9 4 2 4 9 27 2 2	28 13 14 1 31 23	22 0 29 19 0 30	21 55 0 1	20 28 0 2 20 27 0 2	12 21 0 28 12 22 0 28 12 23 0 28 12 24 0 28	5 35 1 1 5 35 1 1 5 34 1 1 5 33 1 1	21 59 0 45 21 59 0 45	23 19 23 21 23 19 23 21 23 19 23 21 23 19 23 21	3 5 3 3 3 0 2 57	4 9 2 44 4 10 2 44 4 11 2 44 4 13 2 44
S 8 M 9 T 10 W11 T 12 F 13 S 14	4 47 4 24 4 0 3 37 3 13 2 50 2 26	17 16 3 44 12 36 4 28 7 4 4 55 1 4 5 0 4s56 4 45 10 32 4 10	10 8 2 10 25 1 4 10 40 1 3 10 52 1 1	0	12 0 32 9 0 33 5 0 34 1 0 35 57 0 36 53 0 37	21 51 0 1 21 49 0 1 21 48 0 1 21 46 0 1 21 45 0 2 21 43 0 2 21 42 0 2	20 25 0 2 20 24 0 2 20 23 0 2 20 22 0 2 20 21 0 2 20 20 0 2	12 25 0 28 12 26 0 28 12 26 0 28 12 27 0 28 12 28 0 28	5 32 1 1 5 31 1 1 5 30 1 1 5 29 1 1 5 28 1 1 5 27 1 1	21 59 0 46 21 59 0 46 21 59 0 46 21 58 0 46 21 58 0 46 21 58 0 46	23 19 23 21 23 19 23 21 23 20 23 21 23 20 23 22 23 21 23 22 23 21 23 22 23 21 23 22 23 21 23 22	2 55 2 52 2 49 2 47 2 44 2 41 2 39	4 14 2 44 4 15 2 44 4 16 2 44 4 18 2 44 4 19 2 44 4 20 2 43 4 22 2 43
S 15 M16 T 17 W18 T 19 F 20 S 21	2 2 1 39 1 15 0 51	19 16 2 19 21 56 1 12 23 20 0 3 23 26 1s 4 22 21 2 7 20 13 3 2	11 21 0 2 11 22 0 1 11 22 0s 11 20 0 1 11 15 0 2	23 17 9 2 16 22 10 17 33 2 20 22 2 17 57 2 25 22 14 18 21 2 30 22 25 18 44 2 35 22 36 19 7 2 40 22	44 0 39 39 0 40 34 0 41 29 0 42 23 0 43 18 0 44	21 41 0 2 21 39 0 2 21 38 0 2 21 36 0 2 21 35 0 2	20 18 0 2 20 17 0 2 20 16 0 2 20 15 0 3 20 15 0 3 20 14 0 3	12 31 0 27 12 32 0 27 12 33 0 27 12 34 0 27 12 35 0 27 12 36 0 27	5 26 1 1 5 25 1 1 5 24 1 1 5 23 1 1 5 22 1 1 5 21 1 1	21 58 0 46 21 58 0 47 21 58 0 47	23 21 23 22 23 22 23 22 23 22 23 22	2 36 2 33 2 31 2 28 2 25 2 23 2 20	4 23 2 43 4 24 2 43 4 26 2 43 4 27 2 43 4 28 2 43 4 29 2 43 4 31 2 43
S 22 M23 T 24 W25 T 26 F 27 S 28	0 44 1 7 1 31 1 55 2 18 2 42 3 5	9 17 4 47 4 45 4 58 0 3 4 56 4n40 4 42 9 14 4 14	10 40 1 10 27 1 1 10 12 1 2 9 56 1 3 9 38 1 3	24 20 54 3 4 21 31 21 15 3 9 21	59  0  48  53  0  49  46  0  50  40  0  51  33  0  52	21 28 0 3 21 27 0 3 21 25 0 3 21 24 0 3	20 11 0 3 20 10 0 3 20 9 0 3 20 8 0 3 20 8 0 3	12 39 0 27 12 40 0 27 12 41 0 27 12 42 0 27 12 44 0 27	5 19 1 1 5 18 1 1 5 17 1 1 5 16 1 1 5 15 1 1	21 57 0 47 21 57 0 47 21 57 0 48 21 57 0 48 21 57 0 48	23 22 23 23 23 23 23 23 23 23 23 23 23 24 23 23 23 24 23 23 23 24 23 23 23 24 23 23	2 17 2 15 2 12 2 9 2 7 2 4 2 1	4 32 2 43 4 33 2 43 4 35 2 43 4 36 2 43 4 38 2 42 4 39 2 42 4 40 2 42
S 29 M30 T 31		17 15 2 47 20 19 1 50 22n31 0s47		52 22 12 3 22 21 58 22 31 3 27 21 4 22n49 3n31 21	11 0 56	21 20 0 4			5 13 1 1	21 57 0 48	23 24 23 23 23 24 23 23 23n25 23n23	1 59 1 56 1 s53	

Julian Day Number = 2458909.5, Delta T = 69.37 sec Ecliptic obliquity =  $23^{\circ}26'12$ , Nutation = -  $0^{\circ}00'17$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}01'19$ , Lahiri =  $24^{\circ}08'20$ 

APRIL 2020 00:00 UT

		-														
Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)Å(	并	В	r	v	Ç	Ŗ	Day
W 1	12 39 15	11 <b>°</b> 43'43	6933	15 <b>米</b> 17	27 <b>8</b> 31	0≈49	24324	0≈40	5 <b>8</b> 10	19 <b>米</b> 16	24 <b>궁</b> 51	2°R44	3925	7 <b>Υ</b> 15	5 <b>Υ</b> 44	W 1
T 2	12 43 11	12°42'55	19°39	16°36	28°26	1°31	24°31	0°44	5°13	19°18	24°51	29544	3°22	7°22	5°48	T 2
F 3	12 47 8	13°42'05	3 <b>Ω</b> 11	17°56	29°21	2°13	24°38	0°48	5°16	19°20	24°52	2°43	3°19	7°28	5°51	F 3
S 4	12 51 4	14°41'12	17°10	19°18	0 <b>П</b> 15	2°54	24°46	0°51	5°20	19°23	24°53	2°39	3°16	7°35	5°55	S 4
S 5	12 55 1	15°40'17	1 <b>m</b> 39	20°42	1° 9	3°36	24°52	0°55	5°23	19°25	24°53	2°34	3°12	7°42	5°58	S 5
M 6	12 58 57	16°39'19	16°32	22° 8	2° 2	4°18	24°59	0°58	5°26	19°27	24°54	2°25	3° 9	7°49	6° 2	M 6
T 7	13 2 54	17°38'19	1 <b>≏</b> 44	23°35	2°54	4°59	25° 6	1° 1	5°29	19°29	24°54	2°15	3° 6	7°55	6° 5	T 7
W 8	13 6 51	18°37'18	17° 5	25° 4	3°46	5°41	25°12	1° 4	5°33	19°31	24°55	2° 5	3° 3	8° 2	6° 9	W 8
T 9	13 10 47	19°36'14	2 <b>M</b> 21	26°35	4°37	6°23	25°19	1° 8	5°36	19°33	24°55	1°55	3° 0	8° 9	6°12	T 9
F 10	13 14 44	20°35'08	17°24	28° 7	5°27	7° 4	25°25	1°11	5°40	19°35	24°56	1°47	2°57	8°15	6°16	F 10
S 11	13 18 40	21°34'00	2 <b>√</b> 3	29°41	6°16	7°46	25°31	1°13	5°43	19°37	24°56	1°41	2°53	8°22	6°19	S 11
S 12	13 22 37	22°32'51	16°15	1 <b>Υ</b> 16	7° 5	8°28	25°37	1°16	5°46	19°39	24°57	1°38	2°50	8°29	6°23	S 12
M13	13 26 33	23°31'40	29°57	2°53	7°52	9°10	25°43	1°19	5°50	19°41	24°57	1°D37	2°47	8°36	6°26	M13
T 14	13 30 30	24°30'27	13 <b>る</b> 11	4°32	8°39	9°51	25°48	1°22	5°53	19°43	24°57	1°37	2°44	8°42	6°29	T 14
W15	13 34 26	25°29'13	26° 0	6°12	9°25	10°33	25°54	1°24	5°56	19°45	24°58	1°R38	2°41	8°49	6°33	W15
T 16	13 38 23	26°27'56	8≈29	7°54	10°10	11°15	25°59	1°27	6° 0	19°47	24°58	1°37	2°38	8°56	6°36	T 16
F 17	13 42 20	27°26'38	20°43	9°37	10°54	11°56	26° 4	1°29	6° 3	19°49	24°58	1°34	2°34	9° 2	6°39	F 17
S 18	13 46 16	28°25'19	2 <b>)</b> 45	11°22	11°37	12°38	26° 9	1°31	6° 7	19°50	24°59	1°29	2°31	9° 9	6°43	S 18
S 19	13 50 13	29°23'57	14°41	13° 9	12°19	13°20	26°14	1°34	6°10	19°52	24°59	1°22	2°28	9°16	6°46	S 19
M20	13 54 9	0822'34	26°32	14°57	13° 0	14° 1	26°18	1°36	6°14	19°54	24°59	1°12	2°25	9°23	6°49	M20
T 21	13 58 6	1°21'09	8 <b>Υ</b> 24	16°47	13°40	14°43	26°23	1°38	6°17	19°56	24°59	1° 1	2°22	9°29	6°53	T 21
W22	14 2 2	2°19'42	20°16	18°38	14°19	15°25	26°27	1°40	6°20	19°58	24°59	0°49	2°18	9°36	6°56	W22
T 23	14 5 59	3°18'13	2811	20°31	14°56	16° 6	26°31	1°41	6°24	20° 0	24°59	0°38	2°15	9°43	6°59	T 23
F 24	14 9 55	4°16'43	14°11	22°26	15°33	16°48	26°35	1°43	6°27	20° 1	24°59	0°29	2°12	9°50	7° 2	F 24
S 25	14 13 52	5°15'10	26°17	24°22	16° 8	17°29	26°39	1°45	6°31	20° 3	25° 0	0°22	2° 9	9°56	7° 6	S 25
S 26	14 17 49	6°13'36	8Д30	26°20	16°41	18°11	26°42	1°46	6°34	20° 5	25°R 0	0°17	2° 6	10° 3	7° 9	S 26
M27	14 21 45	7°12'00	20°52	28°20	17°13	18°52	26°45	1°48	6°38	20° 7	25° 0	0°14	2° 3	10°10	7°12	M27
T 28	14 25 42	8°10'22	39527	0821	17°44	19°34	26°49	1°49	6°41	20° 8	24°59	0°D14	1°59	10°16	7°15	T 28
W29	14 29 38	9° 8'41	16°16	2°23	18°13	20°15	26°52	1°50	6°45	20°10	24°59	0°15	1°56	10°23	7°18	W29
T 30	14 33 35	10 <b>8</b> 6'59	299523	4827	18 <b>Ⅱ</b> 41	20≈57	26 <b>궁</b> 54	1≈51	6 <b>8</b> 48	20 <b>)</b> 12	24 <b>궁</b> 59	09୍ତୀ6	1953	10 <b>Y</b> 30	7 <b>Υ</b> 21	T 30

Day	0	D	3	Į	φ	C	3	2	+	†	า	)į	ł(	<del>1</del>		Р		n	Ω	ţ	Š	
	decl	decl lat	decl	lat	decl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat		decl l	lat	decl	decl	decl	decl	lat
W 1 T 2 F 3	4n38 5 1 5 24	23n37 0n2 23 27 1 2 21 56 2 3	28 7 20	2 13 2	3 23 3 40	20 s55 20 47 20 39		21 s18 21 17 21 16	0 s 4 0 4 0 4	-	0 4	12n49 12 50 12 51		5 s 1 1 1 5 1 0 1 1 5 1 0 1	. 1	21 s57 21 57 21 57	0 48	23 25	23n24 23 24 23 24	1 s50 1 48 1 45	4n46 4 47 4 48	2n42 2 42 2 42
S 4	5 47					20 31		21 10	0 4					5 9 1		21 57			23 24	1 42	4 50	2 42
S 5 M 6 T 7 W 8 T 9 F 10	6 10 6 33 6 55 7 18 7 40 8 2	9 46 4 5 3 55 5 2s13 4 5 8 13 4 2 13 38 3 3	50 5 22 1 4 49 51 4 15 20 3 40 32 3 4	2 26 2 2 28 2 2 30 2 2 31 2 2 31 2	4 25 3 56 4 39 4 0 4 53 4 4 5 6 4 7 5 19 4 11	19 56 19 46 19 37	1 4 1 6 1 7 1 8 1 9	21 11 21 10 21 9 21 8	0 4 0 4 0 5 0 5 0 5	20 0 20 0 19 59 19 59 19 58	0 4 0 4 0 4 0 4	12 54 12 56 12 57 12 58 12 59	0 27 0 27 0 27 0 27 0 27	5 8 1 5 7 1 5 6 1 5 6 1 5 5 1 5 4 1	1 1 1 1 2	21 57 21 57 21 57 21 57 21 57 21 57	0 49 0 49 0 49 0 49 0 49	23 25 23 25 23 25 23 25 23 25 23 25	23 24 23 24 23 24 23 24 23 24 23 24	1 40 1 37 1 34 1 32 1 29 1 26	4 51 4 52 4 54 4 55 4 56 4 58	2 42 2 42 2 42 2 42 2 42 2 42
S 11 S 12 M13 T 14 W15 T 16 F 17 S 18	9 8 9 30 9 51 10 13 10 34	21 23 1 2 23 17 0 23 48 1s 23 0 2 21 5 3	21	2 31 2 2 30 2 2 28 2 2 26 2 2 23 2 2 20 2	5 43 4 17 5 54 4 21 6 5 4 24 6 15 4 27 6 25 4 29 6 34 4 32	18 58 18 48	1 12 1 13 1 14 1 16 1 17 1 18	21 6 21 5 21 4 21 3 21 3 21 2	0 5 0 5 0 6 0 6 0 6 0 6	19 57 19 56 19 56 19 55 19 55 19 55	0 5 0 5 0 5 0 5 0 5 0 5	13 3 13 5 13 6	0 27 0 27 0 27 0 27 0 27 0 27 0 27	5 3 1 5 3 1 5 2 1 5 1 1 5 0 1 5 0 1 4 59 1 4 58 1	2 2 2 2 2 2	21 57 21 57 21 57	0 50 0 50 0 50 0 50 0 50 0 50	23 26 23 26 23 26 23 26 23 26 23 26 23 26	23 24 23 24 23 25 23 25 23 25 23 25 23 25 23 25 23 25	1 23 1 21 1 18 1 15 1 13 1 10 1 7 1 4	4 59 5 0 5 2 5 3 5 4 5 6 5 7 5 8	2 42 2 42 2 42 2 42 2 42 2 42 2 42 2 42
S 19 M20 T 21 W22 T 23 F 24 S 25	11 36 11 57 12 17 12 37 12 57	1 17 5 3n30 4 4 8 10 4 1	2 3 55 1 4 42 46 5 30 19 6 18 40 7 7	2 8 2 2 3 2 1 57 2 1 51 2 1 45 2	7 11 4 43 7 17 4 44	17 56 17 45 17 34 17 23 17 12	1 22 1 24 1 25 1 26 1 28	21 0 21 0 20 59 20 58 20 58 20 57 20 56	0 6 0 6 0 7 0 7 0 7 0 7	19 53 19 53 19 53 19 52 19 52	0 5 0 5 0 5 0 6 0 6	13 10 13 11 13 13 13 14	0 27 0 27 0 27 0 27 0 27 0 27	4 57 1 4 57 1 4 56 1 4 55 1 4 55 1 4 54 1 4 53 1	2 2 2 2 2	21 58 21 58	0 51 0 51 0 51 0 51 0 51	23 26 23 26 23 26 23 26 23 26	23 25 23 25 23 25 23 25 23 25 23 25 23 25 23 25	1 2 0 59 0 56 0 53 0 51 0 48 0 45	5 10 5 11 5 12 5 14 5 15 5 16 5 17	2 42 2 42 2 42 2 42 2 42 2 42 2 42 2 42
S 26 M27 T 28 W29 T 30	13 55 14 14 14 33	23 41 0n1 23 51 1 2	9 36	1 22 2 1 14 2 1 5 2	7 36 4 48 7 40 4 49 7 42 4 49	16 25	1 32 1 33 1 34	20 56 20 55 20 55 20 54 20 s54	0 7 0 7 0 7 0 8 0s 8	19 51 19 51	0 6 0 6 0 6	13 19	0 27 0 27 0 27	4 53 1 4 52 1 4 51 1 4 51 1 4 s50 1	2 2 2	21 58 21 58 21 58 21 59 21 s59	0 51 0 51 0 52	23 26 23 26 23 26	23 25 23 25 23 25 23 25 23 25 23 n25	0 43 0 40 0 37 0 34 0s32	5 19 5 20 5 21 5 22 5n24	2 42 2 42 2 42 2 42 2 42 2n42

 $\label{eq:Julian Day Number = 2458940.5, Delta T = 69.37 sec} \\ Ecliptic obliquity = 23°26'12, Nutation = -0°00'18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 25°01'23, Lahiri = 24°08'24 \\ \\$ 

MAY 2020 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)f(	并	В	S.	v	Ç	ķ	Day
F 1	14 37 31	118 5'14	12 <b>Ω</b> 52	6 <b>8</b> 33	19耳 7	21≈38	26 <b>ප</b> 57	1≈52	6 <b>8</b> 52	20 <b>)</b> 13	24°R59	0°R16	1950	10 <b>Y</b> 37	7 <b>Υ</b> 24	F 1
S 2	14 41 28	12° 3'28	26°43	8°39	19°31	22°19	26°59	1°53	6°55	20°15	24 <b>궁</b> 59	09315	1°47	10°43	7°28	S 2
S 3	14 45 24	13° 1'39	10 <b>m</b> 58	10°47	19°54	23° 1	27° 2	1°54	6°58	20°16	24°59	0°12	1°44	10°50	7°31	S 3
M 4	14 49 21	13°59'48	25°35	12°55	20°15	23°42	27° 4	1°55	7° 2	20°18	24°59	0° 8	1°40	10°57	7°34	M 4
T 5	14 53 18	14°57'56	10 <b>≏</b> 29	15° 5	20°34	24°23	27° 6	1°56	7° 5	20°19	24°58	0° 2	1°37	11° 3	7°36	T 5
W 6	14 57 14	15°56'01	25°33	17°15	20°51	25° 5	27° 7	1°56	7° 9	20°21	24°58	29∏55	1°34	11°10	7°39	W 6
T 7	15 111	16°54'05	10 <b>M</b> 37	19°25	21° 6	25°46	27° 9	1°57	7°12	20°22	24°58	29°49	1°31	11°17	7°42	T 7
F 8	15 5 7	17°52'07	25°33	21°35	21°19	26°27	27°10	1°57	7°16	20°24	24°57	29°44	1°28	11°24	7°45	F 8
S 9	15 9 4	18°50'07	10 <b>∡</b> 10	23°45	21°29	27° 8	27°11	1°57	7°19	20°25	24°57	29°40	1°24	11°30	7°48	S 9
S 10	15 13 0	19°48'06	24°24	25°55	21°38	27°49	27°12	1°57	7°22	20°26	24°57	29°D39	1°21	11°37	7°51	S 10
M11	15 16 57	20°46'04	8 <b>云</b> 12	28° 3	21°44	28°31	27°13	1°R57	7°26	20°28	24°56	29°39	1°18	11°44	7°54	M11
T 12	15 20 53	21°44'00	21°32	0 <b>Ⅱ</b> 11	21°48	29°12	27°14	1°57	7°29	20°29	24°56	29°40	1°15	11°51	7°56	T 12
W13	15 24 50	22°41'55	4≈27	2°17	21°R50	29°53	27°14	1°57	7°32	20°30	24°55	29°42	1°12	11°57	7°59	W13
T 14	15 28 47	23°39'49	17° 1	4°22	21°50	0 <b>∺</b> 34	27°14	1°57	7°36	20°32	24°55	29°43	1° 9	12° 4	8° 2	T 14
F 15	15 32 43	24°37'41	29°17	6°24	21°47	1°15	27°R14	1°57	7°39	20°33	24°54	29°R43	1° 5	12°11	8° 5	F 15
S 16	15 36 40	25°35'32	11 <b>∺</b> 21	8°25	21°42	1°56	27°14	1°56	7°42	20°34	24°54	29°42	1° 2	12°17	8° 7	S 16
S 17	15 40 36	26°33'22	23°17	10°23	21°34	2°36	27°14	1°56	7°46	20°35	24°53	29°39	0°59	12°24	8°10	S 17
M18	15 44 33	27°31'11	5 <b>℃</b> 8	12°19	21°24	3°17	27°13	1°55	7°49	20°37	24°53	29°35	0°56	12°31	8°12	M18
T 19	15 48 29	28°28'58	17° 0	14°12	21°11	3°58	27°13	1°54	7°52	20°38	24°52	29°30	0°53	12°38	8°15	T 19
W20	15 52 26	29°26'44	28°55	16° 2	20°56	4°39	27°12	1°54	7°56	20°39	24°51	29°25	0°50	12°44	8°17	W20
T 21	15 56 22	0∏24'29	10855	17°50	20°39	5°19	27°11	1°53	7°59	20°40	24°51	29°19	0°46	12°51	8°20	T 21
F 22	16 0 19	1°22'13	23° 4	19°35	20°19	6° 0	27° 9	1°52	8° 2	20°41	24°50	29°15	0°43	12°58	8°22	F 22
S 23	16 4 16	2°19'56	5 <b>Ⅱ</b> 21	21°16	19°58	6°40	27° 8	1°51	8° 5	20°42	24°49	29°12	0°40	13° 4	8°25	S 23
S 24	16 8 12	3°17'37	17°48	22°55	19°34	7°21	27° 6	1°49	8° 9	20°43	24°48	29°10	0°37	13°11	8°27	S 24
M25	16 12 9	4°15'17	0927	24°30	19° 7	8° 1	27° 4	1°48	8°12	20°44	24°48	29°D10	0°34	13°18	8°29	M25
T 26	16 16 5	5°12'56	13°18	26° 2	18°39	8°42	27° 2	1°47	8°15	20°45	24°47	29°10	0°30	13°25	8°31	T 26
W27	16 20 2	6°10'33	26°23	27°31	18° 9	9°22	27° 0	1°45	8°18	20°46	24°46	29°12	0°27	13°31	8°34	W27
T 28	16 23 58	7° 8'09	9 <b>Ω</b> 43	28°57	17°38	10° 2	26°57	1°44	8°21	20°46	24°45	29°13	0°24	13°38	8°36	T 28
F 29	16 27 55	8° 5'44	23°18	0920	17° 5	10°42	26°55	1°42	8°24	20°47	24°44	29°14	0°21	13°45	8°38	F 29
S 30	16 31 51	9° 3'17	7 <b>m</b> ) 9	1°39	16°30	11°22	26°52	1°40	8°27	20°48	24°43	29°R15	0°18	13°51	8°40	S 30
S 31	16 35 48	10 <b>II</b> 0'48	21 Mp 16	2955	15 <b>Ⅱ</b> 55	12 <b>∺</b> 2	26 <b>궁</b> 49	1≈39	8 <b>8</b> 31	20 <b>)</b> 49	24 <b>る</b> 42	29∏14	09315	13 <b>Y</b> 58	8 <b>Ƴ</b> 42	S 31

Day	0	D	3	<b></b>	φ	♂		2	ł	ħ	1	);	<del>l</del> (	卉		Р	n	Ω	Ç	ķ	
	decl	decl lat	decl	lat o	decl lat	decl la	at	decl	lat	decl	lat	decl	lat	decl lat	dec	l lat	decl	decl	decl	decl	lat
F 1 S 2	15n 9 15 27		9 12n58 7 13 49					20 s 5 4 20 5 3	0s 8 0 8		0s 6 0 6	13n23 13 24	0 s27 0 27	4s50 1s 4 49 1	2 21 s5 2 21 5			23n25 23 25	0s29 0 26	5n25 5 26	2n42 2 42
S 3 M 4 T 5	16 2	6 27 5	1 14 39 7 15 28	0 16 27	49 4 45	15 13	1 41		0 8	19 50	0 7	13 26	0 27	4 48 1 4 48 1	2 21 5	9 0 52	23 26	23 26 23 26	0 23 0 21	5 27 5 29	2 42 2 42
T 5 W 6 T 7 F 8	16 19 16 36 16 53 17 9	5 s 3 3 4 3 11 18 3 5	3 16 16 8 17 4 4 17 50 4 18 35	0n 5 27 0 16 27	48 4 41 47 4 39	14 48 14 35	1 44 1 46	20 53 20 52 20 52 20 52	0 8 0 9 0 9 0 9	19 50 19 50	0 7 0 7 0 7 0 7	13 28 13 30		4 47 1 4 47 1 4 46 1	2 21 5 2 22 2 22 2 22	0 0 52 0 0 53	23 26 23 26	23 26 23 26 23 26 23 26	0 18 0 15 0 12 0 10	5 30 5 31 5 32 5 33	2 42 2 42 2 42 2 42
S 9 S 10	17 25	20 16 1 4	4 18 33 4 19 18 8 19 59	0 37 27	42 4 33	14 10	1 49	20 52 20 52 20 52	0 9 0 9	19 50	0 7	13 32	0 27	4 46 1 4 45 1 4 45 1		0 0 53	23 26	23 26 23 26 23 26	0 10 0 7 0 4	5 34 5 36	2 42 2 42 2 42
M11 T 12 W13	17 57	23 57 0s4 23 38 1 5	6 20 39	0 57 27	36 4 25 31 4 21	13 44 13 31	1 51 1 53	20 52 20 52 20 52 20 52	0 9 0 10 0 10	19 50 19 50	0 7 0 7 0 7 0 7	13 34 13 35	0 27 0 27	4 44 1 4 44 1 4 43 1	3 22 3 22 3 22 3 22	1 0 53 1 0 53	23 26 23 26	23 26 23 26 23 26 23 26	0 1 0n 1 0 4	5 37 5 38 5 39	2 42 2 42 2 42 2 42
T 14 F 15 S 16	18 41 18 55 19 9	15 55 4 2	9 22 24 9 22 54 6 23 21		15 4 4	12 51	1 57	20 52 20 52 20 53	0 10	19 51 19 51 19 51	0 7 0 8 0 8		0 27 0 27 0 27	4 43 1 4 42 1 4 42 1	3 22 3 22 3 22	1 0 53	23 26	23 26 23 26 23 26	0 7 0 10 0 12	5 40 5 41 5 42	2 42 2 42 2 42
S 17 M18 T 19 W20 T 21 F 22		2 42 5 1 2n 6 4 5 6 51 4 3 11 24 3 5	0 23 46 0 24 8 7 24 28 2 24 45 4 25 0 5 25 12	1 53 26 1 59 26 2 4 26 2 8 26	53 3 44 44 3 36 34 3 27 24 3 18	12 11 11 58 11 44 11 31	2 2 2 3 2 5 2 6	20 53 20 53 20 53 20 54 20 54 20 54	0 10	19 52 19 52 19 52	0 8 0 8 0 8 0 8	13 43	0 27 0 27 0 27	4 41 1 4 41 1 4 41 1 4 40 1 4 40 1 4 39 1		2 0 54 2 0 54 2 0 54 3 0 54	23 26 23 26 23 26 23 26	23 26 23 26 23 26 23 26 23 26 23 26 23 26	0 15 0 18 0 21 0 23 0 26 0 29	5 43 5 44 5 45 5 46 5 47 5 48	2 42 2 42 2 42 2 42 2 42 2 42 2 42
S 23 S 24	20 38	19 7 2	7 25 22 2 25 30	2 13 26	1 2 59	11 4 10 50	<ul><li>2 9</li><li>2 11</li></ul>	20 55 20 55	0 11	19 53 19 53	0 8	13 46 13 47 13 48	0 27	4 39 1 4 39 1 4 39 1		3 0 54	23 26	23 26 23 26 23 26	0 32 0 35	5 49 5 50	2 42 2 42 2 42
M25 T 26 W27 T 28		24 3 1 1 23 14 2 2		2 16 25 2 15 25	22 2 25 7 2 13	10 22 10 9	2 14 2 15	20 56 20 56 20 57 20 58	0 12 0 12	19 54 19 54 19 55 19 55	0 9 0 9 0 9 0 9	13 50 13 51	0 27 0 27	4 38 1 4 38 1 4 38 1 4 37 1	3 22 3 22	4 0 55 4 0 55	23 26 23 26	23 26 23 26 23 26 23 26	0 37 0 40 0 43 0 46	5 51 5 52 5 53 5 54	2 43 2 43 2 43 2 43
F 29 S 30	21 39	17 46 4 1 13 24 4 5	5 25 37 5 25 37 2 25 33 2 25n27	2 11 24 2 7 24	36 1 48 20 1 35	9 41 9 27	2 18 2 20	20 58 20 59 21 s 0	0 12 0 12	19 55 19 56 19 56	0 9 0 9	13 53	0 27 0 27	4 37 1 4 37 1	3 22	5 0 55 5 0 55	23 26 23 26	23 26 23 26 23 26 23 26	0 48 0 51 0n54	5 55 5 56 5 57	2 43 2 43 2 43 2n43

Julian Day Number = 2458970.5, Delta T = 69.37 sec Ecliptic obliquity =  $23^{\circ}26'12$ , Nutation = - $0^{\circ}00'18$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}01'27$ , Lahiri =  $24^{\circ}08'28$ 

JUNE 2020 00:00 UT

Day	Sid.t	0	D	ğ	Q	ð	4	ħ	)∤(	¥	Р	n	v	Ç	ę,	Day
M 1	16 39 45	10 <b>II</b> 58'18	5 <b>₾</b> 38	499 7	15°R18	12 <b>) (</b> 42	26°R46	1°R37	8 <b>8</b> 34	20 <b>米</b> 50	24°R42	29°R13	09911	14 <b>Y</b> 5	8 <b>Υ</b> 44	M 1
T 2	16 43 41	11°55'47	20°11	5°16	14 <b>Ⅱ</b> 41	13°22	26 <b>궁</b> 43	1≈35	8°37	20°50	24 <b>궁</b> 41	29∏12	0° 8	14°12	8°46	T 2
W 3	16 47 38	12°53'14	4 <b>M</b> .50	6°21	14° 4	14° 1	26°39	1°33	8°40	20°51	24°40	29°10	0° 5	14°18	8°48	W 3
T 4	16 51 34	13°50'41	19°30	7°23	13°26	14°41	26°35	1°30	8°43	20°52	24°39	29° 8	0° 2	14°25	8°50	T 4
F 5	16 55 31	14°48'06	4 <b>才</b> 4	8°21	12°48	15°20	26°32	1°28	8°46	20°52	24°38	29° 6	29∏59	14°32	8°52	F 5
S 6	16 59 27	15°45'31	18°25	9°16	12°11	16° 0	26°28	1°26	8°48	20°53	24°37	29° 5	29°56	14°39	8°54	S 6
S 7	17 3 24	16°42'54	2 <b>පි</b> 28	10° 6	11°34	16°39	26°23	1°23	8°51	20°53	24°36	29°D 5	29°52	14°45	8°55	S 7
M 8	17 7 20	17°40'17	16°11	10°53	10°58	17°19	26°19	1°21	8°54	20°54	24°34	29° 6	29°49	14°52	8°57	M 8
T 9	17 11 17	18°37'39	29°30	11°35	10°23	17°58	26°15	1°18	8°57	20°54	24°33	29° 6	29°46	14°59	8°59	T 9
W10	17 15 14	19°35'00	12≈28	12°14	9°49	18°37	26°10	1°16	9° 0	20°55	24°32	29° 7	29°43	15° 5	9° 0	W10
T 11	17 19 10	20°32'21	25° 5	12°48	9°17	19°16	26° 5	1°13	9° 3	20°55	24°31	29° 8	29°40	15°12	9° 2	T 11
F 12	17 23 7	21°29'41	7 <b>)</b> €24	13°19	8°46	19°55	26° 0	1°10	9° 5	20°56	24°30	29° 9	29°36	15°19	9° 3	F 12
S 13	17 27 3	22°27'01	19°30	13°44	8°17	20°33	25°55	1° 7	9° 8	20°56	24°29	29°R 9	29°33	15°26	9° 5	S 13
S 14	17 31 0	23°24'20	1 <b>Y</b> 28	14° 6	7°50	21°12	25°50	1° 4	9°11	20°56	24°28	29° 9	29°30	15°32	9° 6	S 14
M15	17 34 56	24°21'39	13°21	14°22	7°25	21°50	25°44	1° 1	9°14	20°57	24°26	29° 9	29°27	15°39	9° 8	M15
T 16	17 38 53	25°18'58	25°14	14°35	7° 2	22°29	25°39	0°58	9°16	20°57	24°25	29° 8	29°24	15°46	9° 9	T 16
W17	17 42 49	26°16'16	7 <b>8</b> 11	14°43	6°41	23° 7	25°33	0°55	9°19	20°57	24°24	29° 8	29°21	15°52	9°10	W17
T 18	17 46 46	27°13'34	19°17	14°R46	6°23	23°45	25°27	0°52	9°21	20°57	24°23	29° 7	29°17	15°59	9°12	T 18
F 19	17 50 43	28°10'51	1 <b>II</b> 33	14°44	6° 7	24°23	25°21	0°48	9°24	20°57	24°21	29° 7	29°14	16° 6	9°13	F 19
S 20	17 54 39	29° 8'09	14° 2	14°39	5°53	25° 1	25°15	0°45	9°26	20°57	24°20	29°D 7	29°11	16°13	9°14	S 20
S 21	17 58 36	095 5'25	26°46	14°29	5°42	25°38	25° 9	0°41	9°29	20°58	24°19	29°R 7	29° 8	16°19	9°15	S 21
M22	18 2 32	1° 2'42	99545	14°14	5°33	26°16	25° 3	0°38	9°31	20°58	24°18	29° 7	29° 5	16°26	9°16	M22
T 23	18 6 29	1°59'58	22°59	13°56	5°26	26°53	24°56	0°34	9°34	20°R58	24°16	29° 7	29° 2	16°33	9°17	T 23
W24	18 10 25	2°57'13	6 <b>Ω</b> 27	13°34	5°22	27°30	24°50	0°31	9°36	20°58	24°15	29° 7	28°58	16°39	9°18	W24
T 25	18 14 22	3°54'28	20° 8	13° 8	5°D20	28° 7	24°43	0°27	9°39	20°58	24°14	29° 6	28°55	16°46	9°19	T 25
F 26	18 18 19	4°51'42	4 Mp 1	12°40	5°21	28°44	24°36	0°23	9°41	20°57	24°12	29° 6	28°52	16°53	9°20	F 26
S 27	18 22 15	5°48'56	18° 3	12° 9	5°24	29°21	24°29	0°20	9°43	20°57	24°11	29° 5	28°49	17° 0	9°20	S 27
S 28	18 26 12	6°46'09	2 <b>₾</b> 12	11°36	5°29	29°57	24°22	0°16	9°45	20°57	24°10	29°D 5	28°46	17° 6	9°21	S 28
M29	18 30 8	7°43'22	16°26	11° 1	5°36	0 <b>Υ</b> 34	24°15	0°12	9°48	20°57	24° 8	29° 5	28°42	17°13	9°22	M29
T 30	18 34 5	8940'34	0 <b>M</b> .43	10925	5 <b>Ⅱ</b> 45	1 <b>Y</b> 10	24궁 8	0≈ 8	9 <b>8</b> 50	20 <b>米</b> 57	24중 7	29耳 5	28∏39	17 <b>Y</b> 20	9 <b>Υ</b> 23	T 30

Day	0	J		ζ	5	Q	)	ď	7		4	1	i	);	j(	<del>,</del>		E	) -	រា	Ω	Ç	ď	
	decl	decl l	at	decl	lat	decl	lat	decl	lat	dec	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n 5	2n33	5n13	25n20	1n58	23n45	1n 8	8 s59	2 s23	21 s	1 0s1	3 19s57	0s 9	13n56	0 s27	4 s 3 6	1 s 3	22 s 6	0 s 5 5	23n26	23n26	0n57	5n58	2n43
T 2	22 13	3 s20	4 54	25 12	1 52	23 27	0 54	8 45	2 24	21	1 0 1	3 19 57	0 9	13 57	0 27	4 36	1 3	22 6	0 56	23 26	23 26	1 0	5 58	2 43
W 3	22 20	9 6	4 16	25 2	1 46	23 8	0 40	8 31	2 26	21	2 0 1	3 19 58	0 9	13 58	0 27	4 36	1 3	22 6	0 56	23 26	23 26	1 2	5 59	2 43
T 4	22 28	14 22	3 22	24 52	1 38	22 50	0 25	8 18	2 27	21	0 1	3 19 59	0 9	13 59	0 27	4 36	1 4	22 6	0 56	23 26	23 26	1 5	6 0	2 43
F 5	22 34	18 46	2 14	24 40	1 30	22 31	0 11	8 4	2 29	21	4 0 1	3 19 59	0 10	14 0	0 27	4 36	1 4	22 7	0 56	23 26	23 26	1 8	6 1	2 43
S 6	22 41	21 57	0 59	24 27	1 21	22 12	0s 3	7 50	2 30	21	0 1	4 20 0	0 10	14 1	0 27	4 35	1 4	22 7	0 56	23 26	23 26	1 11	6 2	2 43
S 7	22 46	23 44	0s19	24 14	1 11	21 53	0 17	7 36	2 32	21	6 0 1	4 20 0	0 10	14 2	0 27	4 35	1 4	22 7	0 56	23 26	23 26	1 13	6 2	2 43
M 8	22 52	24 0	1 33	24 0	1 0	21 34	0 31	7 22	2 33	21	7 0 1	4 20 1	0 10	14 2	0 27	4 35	1 4	22 8	0 56	23 26	23 26	1 16	6 3	2 43
T 9	22 57	22 52	2 40	23 45	0 49	21 16	0 45	7 8	2 35	21	0 1	4 20 2	0 10	14 3	0 27	4 35	1 4	22 8	0 56	23 26	23 26	1 19	6 4	2 43
W10	23 2	20 32	3 38	23 29	0 37	20 57	0 58	6 54	2 36	21	0 1	4 20 2	0 10	14 4	0 27	4 35	1 4	22 8	0 56	23 26	23 26	1 22	6 4	2 44
T 11	23 6	17 17	4 23	23 14	0 24	20 39	1 12	6 40	2 38	21 10	0 1	4 20 3	0 10	14 5	0 27	4 35	1 4	22 9	0 57	23 26	23 26	1 25	6 5	2 44
F 12	23 10	13 20	4 54	22 57	0 11	20 22	1 25	6 26	2 39	21 1	0 1	5 20 4	0 10	14 6	0 27	4 35	1 4	22 9	0 57	23 26	23 26	1 27	6 6	2 44
S 13	23 13	8 56	5 12	22 41	0s 3	20 5	1 37	6 12	2 41	21 12	0 1	5 20 5	0 10	14 7	0 27	4 34	1 4	22 9	0 57	23 26	23 26	1 30	6 6	2 44
S 14	23 16	4 15	5 16	22 24	0 17	19 49	1 50	5 59	2 42	21 1	0 1	5 20 5	0 10	14 8	0 27	4 34	1 4	22 9	0 57	23 26	23 26	1 33	6 7	2 44
M15	23 19	0n33	5 7	22 7	0 32	19 33	2 1	5 45	2 44	21 1	4 0 1	5 20 6	0 11	14 9	0 27	4 34	1 4	22 10	0 57	23 26	23 26	1 36	6 8	2 44
T 16	23 21	5 21	4 45	21 51	0 48	19 18	2 13	5 31	2 45	21 1	0 1	5 20 7	0 11	14 9	0 27	4 34	1 4	22 10	0 57	23 26	23 26	1 39	6 8	2 44
W17	23 23	9 58	4 10	21 34	1 4	19 4	2 24	5 17	2 47	21 1	7 0 1	5 20 8	0 11	14 10	0 27	4 34	1 4	22 10	0 57	23 26	23 26	1 41	6 9	2 44
T 18	23 24	14 17	3 23	21 17	1 20	18 50	2 34	5 4	2 48	21 13	8 0 1	5 20 8	0 11	14 11	0 27	4 34	1 4	22 11	0 57	23 26	23 26	1 44	6 9	2 44
F 19	23 25	18 4	2 27	21 1	1 37	18 38	2 44	4 50	2 50	21 19	0 1	5 20 9	0 11	14 12	0 27	4 34	1 4	22 11	0 57	23 26	23 26	1 47	6 10	2 44
S 20	23 26	21 7	1 23	20 45	1 53	18 26	2 53	4 36	2 51	21 2	0 1	5 20 10	0 11	14 13	0 27	4 34	1 4	22 11	0 58	23 26	23 26	1 50	6 11	2 44
S 21	23 26	23 11	0 13	20 30	2 10	18 16	3 2	4 23	2 53	21 2	0 1	5 20 11	0 11	14 13	0 27	4 34	1 4	22 12	0 58	23 26	23 26	1 53	6 11	2 44
M22	23 26	24 3	0n59	20 15	2 26	18 6	3 11	4 9	2 54	21 2	0 1	5 20 12	0 11	14 14	0 27	4 34	1 4	22 12	0 58	23 26	23 26	1 55	6 12	2 44
T 23	23 25			20 1	2 42	1	3 19	3 56	2 56	21 2:	0 1	5 20 13	0 11	14 15	0 27	4 34	1 4	22 12	0 58	23 26	23 26	1 58	6 12	2 45
W24	23 24			19 47	2 58		3 26	3 42		21 20		7 20 13		14 16		4 34	1 4				23 26	2 1	6 12	2 45
T 25		18 40	-		3 14		3 33	3 29		21 2		7 20 14	-	14 16		4 34	1 4				23 26	2 4	6 13	2 45
F 26			-	19 23		17 35	3 40	3 16		21 29		7 20 15		14 17		4 34	1 5				23 26	2 7	6 13	2 45
S 27	23 19			19 12		17 30	3 46	3 3		21 30		7 20 16		14 18		4 34	1 5				23 26	2 9	6 14	2 45
S 28	23 16	3 57	5 16	19 2	3 55	17 25	3 52	2 49	3 3	21 3	0 1	7 20 17	0 12	14 18	0 27	4 35	1 5	22 14	0 58	23 26	23 26	2 12	6 14	2 45
M29	23 13	1 s49	5 2	18 53	4 6	17 21	3 57	2 36	3 5	21 3	0 1	7 20 18	0 12	14 19	0 27	4 35	1 5	22 14	0 58	23 26	23 26	2 15	6 14	2 45
T 30	23n 9	7 s 3 0	4n30	18n46	4s17	17n18	4s 2	2 s23	3s 6	21 s3	4 0 s1	3 20s19	0s12	14n20	0s27	4s35	1 s 5	22 s15	0s59	23n26	23n26	2n18	6n15	2n45

Julian Day Number = 2459001.5, Delta T = 69.37 sec Ecliptic obliquity = 23°26'12, Nutation = -0°00'18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 25°01'32, Lahiri = 24°08'32

JULY 2020 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∦	卉	Р	ß	Ω	Ç	Š.	Day
W 1	18 38 1	9937'46	14 <b>M</b> .59	9°R49	5 <b>Ⅱ</b> 56	1 <b>Υ</b> 46	24°R 1	0°R 4	9 <b>8</b> 52	20°R57	24°R 5	29耳 6	28耳36	17 <b>Y</b> 26	9 <b>Υ</b> 23	W 1
T 2	18 41 58	10°34'57	29°12	99513	6°10	2°21	23 <b>궁</b> 54	29る59	9°54	20 <b>米</b> 56	24중 4	29° 7	28°33	17°33	9°24	T 2
F 3	18 45 54	11°32'08	13 <b>×</b> 18	8°38	6°25	2°57	23°46	29°56	9°56	20°56	24° 3	29° 8	28°30	17°40	9°24	F 3
S 4	18 49 51	12°29'19	27°14	8° 4	6°43	3°32	23°39	29°52	9°58	20°56	24° 1	29°R 8	28°27	17°47	9°25	S 4
S 5	18 53 48	13°26'30	10 <b>궁</b> 57	7°33	7° 2	4° 8	23°32	29°48	10° 0	20°55	24° 0	29° 8	28°23	17°53	9°25	S 5
M 6	18 57 44	14°23'41	24°24	7° 4	7°23	4°42	23°24	29°43	10° 2	20°55	23°58	29° 7	28°20	18° 0	9°25	M 6
T 7	19 141	15°20'52	7≈34	6°38	7°46	5°17	23°17	29°39	10° 4	20°55	23°57	29° 5	28°17	18° 7	9°26	T 7
W 8	19 5 37	16°18'03	20°26	6°16	8°10	5°52	23° 9	29°35	10° 6	20°54	23°56	29° 3	28°14	18°13	9°26	W 8
T 9	19 9 34	17°15'15	3 <b>)</b> 1	5°57	8°36	6°26	23° 1	29°31	10° 7	20°54	23°54	29° 0	28°11	18°20	9°26	T 9
F 10	19 13 30	18°12'26	15°20	5°43	9° 4	7° 0	22°54	29°27	10° 9	20°53	23°53	28°58	28° 8	18°27	9°26	F 10
S 11	19 17 27	19° 9'38	27°27	5°34	9°33	7°34	22°46	29°22	10°11	20°53	23°51	28°56	28° 4	18°34	9°26	S 11
S 12	19 21 23	20° 6'51	9 <b>Υ</b> 25	5°D30	10° 3	8° 7	22°38	29°18	10°12	20°52	23°50	28°54	28° 1	18°40	9°R26	S 12
M13	19 25 20	21° 4'03	21°18	5°31	10°35	8°41	22°31	29°13	10°14	20°51	23°48	28°D54	27°58	18°47	9°26	M13
T 14	19 29 17	22° 1'17	3 <b>8</b> 12	5°37	11° 9	9°14	22°23	29° 9	10°16	20°51	23°47	28°54	27°55	18°54	9°26	T 14
W15	19 33 13	22°58'31	15°10	5°48	11°43	9°46	22°15	29° 5	10°17	20°50	23°45	28°56	27°52	19° 0	9°26	W15
T 16	19 37 10	23°55'45	27°17	6° 5	12°19	10°19	22° 7	29° 0	10°19	20°49	23°44	28°57	27°48	19° 7	9°26	T 16
F 17	19 41 6	24°53'01	9∏38	6°27	12°56	10°51	22° 0	28°56	10°20	20°49	23°43	28°59	27°45	19°14	9°26	F 17
S 18	19 45 3	25°50'17	22°16	6°55	13°35	11°23	21°52	28°51	10°22	20°48	23°41	29° 0	27°42	19°21	9°25	S 18
S 19	19 48 59	26°47'33	59913	7°28	14°14	11°54	21°44	28°47	10°23	20°47	23°40	29°R 0	27°39	19°27	9°25	S 19
M20	19 52 56	27°44'50	18°31	8° 7	14°54	12°26	21°37	28°43	10°24	20°46	23°38	28°59	27°36	19°34	9°25	M20
T 21	19 56 52	28°42'08	2 <b>N</b> 8	8°52	15°36	12°57	21°29	28°38	10°25	20°45	23°37	28°56	27°33	19°41	9°24	T 21
W22	20 0 49	29°39'26	16° 3	9°41	16°18	13°27	21°21	28°34	10°27	20°45	23°35	28°52	27°29	19°47	9°24	W22
T 23	20 4 46	0 <b>Ω</b> 36'44	0 Mp 12	10°36	17° 2	13°57	21°14	28°29	10°28	20°44	23°34	28°47	27°26	19°54	9°23	T 23
F 24	20 8 42	1°34'03	14°30	11°36	17°46	14°27	21° 6	28°25	10°29	20°43	23°32	28°43	27°23	20° 1	9°22	F 24
S 25	20 12 39	2°31'22	28°52	12°42	18°31	14°57	20°59	28°20	10°30	20°42	23°31	28°39	27°20	20° 8	9°22	S 25
S 26	20 16 35	3°28'42	13 <b>≏</b> 13	13°52	19°17	15°26	20°51	28°16	10°31	20°41	23°30	28°36	27°17	20°14	9°21	S 26
M27	20 20 32	4°26'02	27°31	15° 8	20° 4	15°55	20°44	28°12	10°32	20°40	23°28	28°34	27°13	20°21	9°20	M27
T 28	20 24 28	5°23'22	11 <b>M</b> .41	16°28	20°51	16°23	20°37	28° 7	10°33	20°39	23°27	28°D34	27°10	20°28	9°20	T 28
W29	20 28 25	6°20'43	25°42	17°53	21°40	16°51	20°30	28° 3	10°34	20°38	23°25	28°35	27° 7	20°34	9°19	W29
T 30	20 32 21	7°18'04	9 <b>,</b> 734	19°23	22°29	17°19	20°22	27°58	10°35	20°37	23°24	28°37	27° 4	20°41	9°18	T 30
F 31	20 36 18	8 <b>Ω</b> 15'26	23 <b>×</b> 15	20957	23 <b>I</b> I19	17 <b>Ƴ</b> 46	20중15	27 <b>궁</b> 54	10 <b>8</b> 36	20 <b>米</b> 36	23 <b>云</b> 23	28°R38	27 <b>I</b> 1	20 <b>Υ</b> 48	9 <b>Ƴ</b> 17	F 31

Day	0	D	ğ	·	♂	4	ħ	)Å(	卉	Р	w v	Ç	ķ
	decl	decl lat	decl lat	t decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
W 1 T 2	23n 5 23 1	12 s49 3n41 17 24 2 38		4s26 17n15 4s 6 4 34 17 14 4 10		21 s36 0 s18 21 37 0 18		14n20 0s27 14 21 0 27	4s35 1s 5 4 35 1 5		23n26 23n26 23 26 23 26	2n21 2 23	6n15 2n45 6 15 2 45
F 3 S 4		20 58 1 26 23 14 0 11		4 40 17 13 4 13 4 44 17 13 4 17				14 22 0 27 14 22 0 27	4 35 1 5 4 35 1 5		23 26 23 26 23 26 23 26	2 26 2 29	6 16 2 45 6 16 2 45
S 5 M 6	22 45 22 40			4 47 17 13 4 20 4 49 17 14 4 22				14 23 0 27 14 24 0 27	4 36 1 5 4 36 1 5		23 26 23 26 23 26 23 26	2 32 2 35	6 16 2 46 6 16 2 46
T 7 W 8 T 9		18 34 4 6	18 31 4	4 49 17 15 4 24 4 47 17 17 4 26 4 44 17 20 4 28	0 42 3 18	21 46 0 19	20 27 0 13	14 24 0 27 14 25 0 27 14 25 0 27		22 18 0 59	23 26 23 26 23 26 23 25 23 26 23 25	2 37 2 40 2 43	6 16 2 46 6 17 2 46 6 17 2 46
F 10 S 11		10 29 5 6	18 40 4	4 44 17 20 4 28 4 39 17 23 4 29 4 33 17 26 4 30	0 18 3 21	21 48 0 19	20 29 0 13	14 26 0 27 14 26 0 27 14 26 0 27	4 37 1 5 4 37 1 5	22 18 1 0	23 26 23 25 23 26 23 25 23 26 23 25	2 43 2 46 2 49	6 17 2 46 6 17 2 46 6 17 2 46
_	21 56 21 47	3n48 4 51	19 1 4	4 26 17 30 4 31 4 18 17 34 4 31	0 18 3 25	21 53 0 19	20 32 0 13	14 27 0 27 14 27 0 27	4 37 1 5	22 19 1 0	23 26 23 25 23 26 23 25	2 51 2 54	6 17 2 46 6 17 2 46
T 14 W15 T 16	21 38 21 29 21 19	8 30 4 20 12 54 3 38 16 52 2 45	19 20 3	4 9 17 38 4 31 3 59 17 43 4 31 3 47 17 48 4 31	0 41 3 28	21 54 0 20 21 55 0 20 21 57 0 20	20 34 0 13	14 28 0 27 14 28 0 27 14 29 0 27	4 38 1 5	22 20 1 0	23 26 23 25 23 26 23 25 23 26 23 25	2 57 3 0 3 3	6 17 2 46 6 17 2 46 6 17 2 46
F 17 S 18	21 9 20 59			3 36 17 53 4 30 3 23 17 58 4 30	1 3 3 31 1 15 3 32	21 58 0 20 22 0 0 20		14 29 0 27 14 30 0 27	4 39 1 5 4 39 1 5		23 26 23 25 23 26 23 25	3 6 3 8	6 17 2 47 6 17 2 47
S 19 M20 T 21	20 48 20 37 20 25	23 53 1 45	20 15 2	3 10 18 3 4 29 2 57 18 9 4 28 2 43 18 15 4 26	1 26 3 34 1 36 3 35 1 47 3 36	22 2 0 20	20 39 0 14	14 30 0 27 14 30 0 27 14 31 0 27	4 40 1 6	22 22 1 1	23 26 23 25 23 26 23 25 23 26 23 25	3 11 3 14 3 17	6 17 2 47 6 17 2 47 6 17 2 47
W22 T 23	20 13	19 40 3 49	20 37 2	2 28 18 20 4 25 2 14 18 26 4 23	1 58 3 38 2 8 3 39	22 5 0 21	20 41 0 14	14 31 0 27 14 31 0 27 14 32 0 27		22 22 1 1	23 26 23 25 23 26 23 25 23 26 23 25	3 20 3 22	6 17 2 47 6 17 2 47 6 17 2 47
F 24 S 25	19 49 19 36			1 59 18 32 4 21 1 45 18 38 4 19	2 18 3 40 2 29 3 42			14 32 0 27 14 32 0 27			23 26 23 25 23 26 23 25	3 25 3 28	6 16 2 47 6 16 2 47
S 26 M27	19 23 19 9	6 20 4 33	21 20 1	1 30 18 44 4 17 1 15 18 50 4 15	2 48 3 44	22 10 0 21 22 11 0 21	20 45 0 14	14 32 0 27 14 33 0 27	4 42 1 6	22 24 1 1	23 26 23 25 23 26 23 24	3 31 3 34	6 16 2 47 6 16 2 47
T 28 W29 T 30	18 41	16 26 2 49		1 1 18 55 4 13 0 47 19 1 4 10 0 33 19 6 4 7	3 8 3 47	22 14 0 22	20 47 0 15	14 33 0 27 14 33 0 27 14 34 0 27	4 43 1 6	22 25 1 1	23 26 23 24 23 26 23 24 23 26 23 24	3 37 3 39 3 42	6 16 2 47 6 15 2 47 6 15 2 48
F 31	18n12	22 s47 0n29	21n29 0	0s19 19n12 4s 5			20s49 0s15	14n34 0s28	4s44 1s 6	22 s25 1 s 1	23n26 23n24	3n45	6n15 2n48

Julian Day Number = 2459031.5, Delta T = 69.37 sec Ecliptic obliquity =  $23^{\circ}26'12$ , Nutation = -  $0^{\circ}00'17$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}01'36$ , Lahiri =  $24^{\circ}08'36$ 

AUGUST 2020 00:00 UT

Audi	031 EUL	. •													00.00	0 0 1
Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)∤(	并	В	S.	Ω	Ç	Ŗ	Day
S 1	20 40 15	9Ω12'49	6 <b>云</b> 45	22935	24Ⅱ 9	18 <b>Y</b> 13	20°R 8	27°R50	10836	20°R34	23°R21	28°R37	26耳58	20 <b>Y</b> 55	9°R16	S 1
S 2	20 44 11	10°10'12	20° 3	24°17	25° 0	18°39	20 ට 2	27 <b>3</b> 46	10°37	20 <b>∺</b> 33	23云20	28Д36	26°54	21° 1	9 <b>Υ</b> 15	S 2
M 3	20 48 8	11° 7'36	3≈ 9	26° 2	25°52	19° 5	19°55	27°41	10°38	20°32	23°18	28°32	26°51	21° 8	9°14	M 3
T 4	20 52 4	12° 5'01	16° 3	27°51	26°44	19°31	19°48	27°37	10°38	20°31	23°17	28°26	26°48	21°15	9°13	T 4
W 5 T 6	20 56 1 20 59 57	13° 2'27 13°59'54	28°43 11 <b>)</b> 10	29°43 1 <b>Ω</b> 38	27°37 28°31	19°56 20°21	19°42 19°35	27°33 27°29	10°39 10°39	20°30 20°29	23°16 23°14	28°19 28°11	26°45 26°42	21°21 21°28	9°11 9°10	W 5 T 6
F 7	20 39 37	13 39 34 14°57'21	23°24	3°35	28 31 29°25	20°45	19°33	27°25	10°40	20°27	23°13	28° 2	26°39	21°35	9° 9	F 7
S 8	21 7 50	15°54'51	5Υ28	5°34	0920	21° 8	19°23	27°20	10°40	20°26	23°12	27°55	26°35	21°42	9° 8	S 8
S 9	21 11 47	16°52'21	17°25	7°34	1°15	21°31	19°17	27°16	10°40	20°25	23°10	27°49	26°32	21°48	9° 6	S 9
M10	21 15 44	17°49'52	29°17	9°35	2°11	21°54	19°11	27°12	10°41	20°23	23° 9	27°45	26°29	21°55	9° 5	M10
T 11	21 19 40	18°47'25	118 8	11°38	3° 7	22°16	19° 5	27° 8	10°41	20°22	23° 8	27°43	26°26	22° 2	9° 3 9° 2	T 11
W12 T 13	21 23 37 21 27 33	19°45'00 20°42'36	23° 5 5 <b>Ⅱ</b> 11	13°41 15°44	4° 4 5° 1	22°38 22°59	18°59 18°54	27° 4 27° 1	10°41 10°41	20°21 20°19	23° 7 23° 5	27°D43 27°44	26°23 26°19	22° 8 22°15	9° 2 9° 0	W12 T 13
F 14	21 31 30	20°42'30 21°40'13	17°32	17°47	5°58	23°19	18°48	26°57	10°41	20°18	23° 4	27°45	26°16	22°22	8°59	F 14
S 15	21 35 26	22°37'52	0913	19°50	6°56	23°39	18°43	26°53	10°42	20°17	23° 3	27°R45	26°13	22°29	8°57	S 15
S 16	21 39 23	23°35'32	13°17	21°52	7°55	23°58	18°38	26°49	10°R42	20°15	23° 2	27°44	26°10	22°35	8°55	S 16
M17	21 43 19	24°33'14	26°46	23°53	8°54	24°17	18°33	26°46	10°41	20°14	23° 1	27°41	26° 7	22°42	8°54	M17
T 18 W19	21 47 16 21 51 13	25°30'57	10\$\Omega41\$	25°54 27°54	9°53 10°53	24°35 24°52	18°28 18°23	26°42 26°38	10°41 10°41	20°12 20°11	22°59 22°58	27°35 27°27	26° 4 26° 0	22°49 22°55	8°52 8°50	T 18 W19
T 20	21 51 13	26°28'42 27°26'28	24°58 9 <b>m</b> 32	29°53	10°53	24°52 25° 9	18°23 18°19	26°35	10°41	20°11 20° 9	22°57	27°27 27°18	25°57	22°55 23° 2	8°48	T 20
F 21	21 59 6	28°24'15	24°17	1 m 50	12°53	25°25	18°14	26°31	10°41	20° 8	22°56	27° 9	25°54	23° 9	8°46	F 21
S 22	22 3 2	29°22'03	9 <b>₾</b> 5	3°47	13°54	25°40	18°10	26°28	10°40	20° 6	22°55	27° 1	25°51	23°15	8°44	S 22
S 23	22 6 59	0 <b>m</b> ) 19'53	23°46	5°42	14°55	25°55	18° 6	26°25	10°40	20° 5	22°54	26°54	25°48	23°22	8°42	S 23
M24	22 10 55	1°17'44	8 <b>M</b> .16	7°35	15°56	26° 9	18° 2	26°22	10°40	20° 3	22°53	26°50	25°45	23°29	8°40	M24
T 25	22 14 52 22 18 48	2°15'36 3°13'29	22°31 6 <b>×</b> 728	9°28 11°19	16°58 18° 0	26°22 26°35	17°59 17°55	26°18 26°15	10°39 10°39	20° 2 20° 0	22°52 22°51	26°48	25°41 25°38	23°36 23°42	8°38 8°36	T 25 W26
W26 T 27	22 18 48	4°11'24	20° 8	11°19	18° 0	26°47	17°52	26°13	10°39	19°59	22°50	26°D47 26°R48	25°35	23°42 23°49	8°34	T 27
F 28	22 26 42	5° 9'19	3 <b>云</b> 33	14°58	20° 4	26°58	17°49	26° 9	10°38	19°57	22°49	26°48	25°32	23°56	8°32	F 28
S 29	22 30 38	6° 7'16	16°43	16°45	21° 7	27° 8	17°46	26° 6	10°37	19°55	22°48	26°46	25°29	24° 2	8°30	S 29
S 30	22 34 35	7° 5'15	29°40	18°31	22°10	27°17	17°43	26° 4	10°36	19°54	22°47	26°42	25°25	24° 9	8°28	S 30
M31	22 38 31	8 Mp 3'15	12≈26	20 <b>m</b> 15	239914	27 <b>Y</b> 26	17 <b>ਰ</b> 41	26 <b>궁</b> 1	10 <b>8</b> 36	19 <b>米</b> 52	22 <b>る</b> 46	26耳35	25∏22	24 <b>Υ</b> 16	8 <b>Υ</b> 26	M31

Day	0	D	Ϋ́	·	ð	4	ħ	)Å(	并	Р	n	v t	Š
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl dec	decl lat
S 1	17n57	24 s 0 0 s44	21n27 0s	6 19n17 4s 2	3n35 3s51	22 s17 0 s22	20s50 0s15	14n34 0s28	4s45 1s 6	22 s26 1 s 2	23n26 2	23n24 3n4	6n14 2n48
S 2	17 42	23 49 1 53	21 22 0n	6 19 22 3 59	3 44 3 52	22 18 0 22	20 51 0 15	14 34 0 28	4 45 1 6	22 26 1 2	23 26 2	23 24 3 5	6 14 2 48
M 3	17 26	22 18 2 56	21 14 0 1	8 19 27 3 55	3 53 3 53	22 19 0 22	20 52 0 15	14 34 0 28	4 46 1 6	22 26 1 2	23 26 2	23 24 3 5	6 14 2 48
T 4	-,	19 39 3 48				22 21 0 22		14 35 0 28			23 26 2		
W 5			20 52 0 4			22 22 0 22		14 35 0 28			23 26 2		
T 6 F 7		-	20 37 0 5					14 35 0 28			23 25 2	-	2 6 12 2 48
S 8	16 21 16 4			0 19 44 3 42 8 19 48 3 38				14 35 0 28 14 35 0 28			23 25 2 23 25 2		6 12 2 48 6 12 2 48
S 9	15 47			5 19 51 3 34				14 35 0 28			23 25 2		
M10	15 29		19 10 1 2		4 48 4 1			14 35 0 28		-	23 25 2		
T 11 W12	-		18 42 1 2 18 12 1 3	8 19 57 3 27 3 20 0 3 23		22 27 0 23 22 28 0 23		14 35 0 28 14 35 0 28			23 25 2 23 25 2		
T 13				7 20 2 3 19		22 29 0 23		14 35 0 28			23 25 2		
F 14		21 57 0 55		0 20 4 3 15		22 30 0 23		14 35 0 28	-		23 25 2		
S 15	13 58			3 20 5 3 11		22 31 0 23		14 35 0 28	-		23 25 2		
S 16	13 39	24 8 1 22	15 52 1 4	4 20 6 3 6	5 29 4 6	22 32 0 23	21 3 0 16	14 35 0 28	4 53 1 6	22 30 1 3	23 25 2	23 23 4 30	6 7 2 49
M17	13 20	23 14 2 29	15 13 1 4	5 20 6 3 2	5 35 4 7	22 32 0 23	21 4 0 16	14 35 0 28	4 53 1 6	22 30 1 3	23 25 2	23 23 4 33	6 6 2 49
T 18	13 1		14 32 1 4			22 33 0 24	21 5 0 16	14 35 0 28	4 54 1 6		23 25 2		
W19			13 51 1 4			22 34 0 24		14 35 0 28			23 25 2		
T 20						22 35 0 24		14 35 0 28			23 25 2		
F 21	12 2			3 20 5 2 45		22 35 0 24		14 35 0 28			23 24 2		
S 22	11 42			0 20 3 2 40		22 36 0 24		14 35 0 28			23 24 2		
S 23	11 21			8 20 1 2 36		22 37 0 24		14 35 0 28		-	23 24 2	-	
M24			10 11 1 3			22 37 0 24		14 35 0 28		-	23 24 2	-	
T 25 W26		15 38 2 52 19 39 1 46						14 35 0 28 14 34 0 28			23 24 2	-	
T 27		22 29 0 35						14 34 0 28			23 24 2	-	
F 28		23 59 0 s36			-			14 34 0 28			23 24 2	-	
S 29	9 16							14 34 0 28			23 24 2	-	
S 30	8 54	22 54 2 45	5 34 1	6 19 34 2 4	6 32 4 15	22 40 0 24	21 13 0 17	14 34 0 28	5 1 1 7	22 34 1 4	23 24 2	23 21 5 10	5 57 2 49
M31	8n33	20 s32 3 s37	4n47 1n	1 19n29 1s59	6n35 4s15	22 s40 0 s25	21 s13 0 s17	14n33 0s28	5s 2 1s 7	22 s34 1 s 4	23n24 2	23n21 5n1	3 5n56 2n49

Julian Day Number = 2459062.5, Delta T = 69.37 sec Ecliptic obliquity =  $23^{\circ}26'12$ , Nutation = - $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}01'40$ , Lahiri =  $24^{\circ}08'41$ 

SEPTEMBER 2020 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)∤(	并	Р	u	Ω	ţ	, k	Day
T 1	22 42 28	9 <b>m</b> , 1'16	25≈ 2	21 <b>m</b> 59	249518	27 <b>Υ</b> 34	17°R38	25°R58	10°R35	19°R51	22°R45	26°R26	25 <b>Ⅱ</b> 19	24 <b>Y</b> 23	8°R23	T 1
W 2	22 46 24	9°59'19	7 <b>∺</b> 27	23°41	25°22	27°41	17 <b>云</b> 36	25 <b>පි</b> 56	10834	19 <b>)</b> 49	22 <b>궁</b> 44	26∏14	25°16	24°29	8 <b>Y</b> 21	W 2
T 3	22 50 21	10°57'23	19°43	25°22	26°26	27°48	17°34	25°53	10°33	19°47	22°43	26° 1	25°13	24°36	8°19	T 3
F 4	22 54 17	11°55'29	1 <b>Y</b> 50	27° 1	27°30	27°53	17°32	25°51	10°32	19°46	22°42	25°48	25°10	24°43	8°16	F 4
S 5	22 58 14	12°53'37	13°49	28°40	28°35	27°58	17°31	25°49	10°31	19°44	22°41	25°36	25° 6	24°49	8°14	S 5
S 6	23 2 10	13°51'47	25°42	0 <b>≙</b> 17	29°40	28° 2	17°29	25°46	10°30	19°42	22°41	25°26	25° 3	24°56	8°12	S 6
M 7	23 6 7	14°49'58	7 <b>8</b> 32	1°53	0 <b>Ω</b> 45	28° 5	17°28	25°44	10°29	19°41	22°40	25°18	25° 0	25° 3	8° 9	M 7
T 8	23 10 4	15°48'12	19°22	3°28	1°51	28° 7	17°27	25°42	10°28	19°39	22°39	25°13	24°57	25° 9	8° 7	T 8
W 9	23 14 0	16°46'28	1 <b>I</b> I16	5° 2	2°56	28° 8	17°26	25°40	10°27	19°37	22°38	25°11	24°54	25°16	8° 4	W 9
T 10	23 17 57	17°44'45	13°20	6°34	4° 2	28°R 8	17°25	25°38	10°26	19°36	22°38	25°10	24°51	25°23	8° 2	T 10
F 11	23 21 53	18°43'05	25°38	8° 6	5° 8	28° 8	17°25	25°36	10°25	19°34	22°37	25°10	24°47	25°30	7°59	F 11
S 12	23 25 50	19°41'27	8 <b>9</b> 16	9°36	6°15	28° 7	17°24	25°35	10°23	19°33	22°36	25° 9	24°44	25°36	7°57	S 12
S 13	23 29 46	20°39'51	21°19	11° 5	7°21	28° 4	17°D24	25°33	10°22	19°31	22°36	25° 8	24°41	25°43	7°54	S 13
M14	23 33 43	21°38'18	$4\Omega 49$	12°33	8°28	28° 1	17°24	25°32	10°21	19°29	22°35	25° 3	24°38	25°50	7°52	M14
T 15	23 37 39	22°36'46	18°49	14° 0	9°35	27°57	17°25	25°30	10°19	19°28	22°35	24°57	24°35	25°56	7°49	T 15
W16	23 41 36	23°35'16	3 <b>m</b> 17	15°25	10°42	27°52	17°25	25°29	10°18	19°26	22°34	24°47	24°31	26° 3	7°47	W16
T 17	23 45 33	24°33'48	18° 7	16°49	11°50	27°46	17°26	25°28	10°16	19°24	22°34	24°36	24°28	26°10	7°44	T 17
F 18	23 49 29	25°32'22	3 <b>≏</b> 12	18°13	12°57	27°40	17°27	25°26	10°15	19°23	22°33	24°25	24°25	26°17	7°41	F 18
S 19	23 53 26	26°30'58	18°21	19°34	14° 5	27°32	17°28	25°25	10°13	19°21	22°33	24°14	24°22	26°23	7°39	S 19
S 20	23 57 22	27°29'36	3 <b>M</b> 24	20°55	15°13	27°24	17°29	25°24	10°12	19°19	22°32	24° 6	24°19	26°30	7°36	S 20
M21	0 1 19	28°28'16	18°12	22°14	16°21	27°15	17°31	25°24	10°10	19°18	22°32	24° 0	24°16	26°37	7°33	M21
T 22	0 5 15	29°26'57	2 <b>,</b> 740	23°32	17°29	27° 5	17°32	25°23	10° 8	19°16	22°31	23°57	24°12	26°43	7°31	T 22
W23	0 9 12	0 <u>₽</u> 25'40	16°44	24°49	18°37	26°54	17°34	25°22	10° 7	19°14	22°31	23°56	24° 9	26°50	7°28	W23
T 24	0 13 8	1°24'25	0 <b>පි</b> 25	26° 3	19°46	26°42	17°36	25°22	10° 5	19°13	22°31	23°56	24° 6	26°57	7°25	T 24
F 25	0 17 5	2°23'11	13°43	27°17	20°54	26°30	17°38	25°21	10° 3	19°11	22°31	23°55	24° 3	27° 3	7°23	F 25
S 26	0 21 2	3°21'59	26°43	28°28	22° 3	26°17	17°41	25°21	10° 1	19°10	22°30	23°54	24° 0	27°10	7°20	S 26
S 27	0 24 58	4°20'49	9≈27	29°38	23°12	26° 3	17°43	25°20	9°59	19° 8	22°30	23°49	23°56	27°17	7°17	S 27
M28	0 28 55	5°19'40	21°59	0 <b>M</b> .46	24°21	25°49	17°46	25°20	9°58	19° 6	22°30	23°42	23°53	27°24	7°15	M28
T 29	0 32 51	6°18'34	4 <b>∺</b> 19	1°52	25°31	25°34	1 <u>7</u> °49	25°D20	9°56	19° 5	22°30	23°33	23°50	27°30	7°12	T 29
W30	0 36 48	7 <b>₽</b> 17'29	16 <b>∺</b> 31	2 <b>M</b> .56	$26\Omega 40$	25 <b>Υ</b> 19	17 <b>る</b> 52	25 <b>る</b> 20	9 <b>8</b> 54	19 <b>米</b> 3	22 <b>궁</b> 30	23 <b>Ⅱ</b> 21	23 <b>Ⅱ</b> 47	27 <b>Y</b> 37	7 <b>Ƴ</b> 9	W30

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl d	ecl decl	decl lat
T 1	8n11	17s13 4s17	4n 1 0n5	54 19n22 1 s55	6n38 4s15	22 s41 0 s25	21s14 0s17	14n33 0s28	5s 3 1s 7	22 s 34 1 s 4	23n23 23r	21 5n16	5n55 2n49
W 2	7 49	13 11 4 45	3 15 0 4	18 19 16 1 50	6 40 4 15	22 41 0 25	21 14 0 17	14 33 0 28	5 3 1 7	22 34 1 4	23 23 23	21 5 18	5 54 2 49
T 3	7 27	8 39 4 59	2 29 0 4	11 19 8 1 45	6 43 4 16	22 41 0 25	21 15 0 17	14 33 0 28	5 4 1 7	22 35 1 4	23 23 23	21 5 21	5 53 2 49
F 4	7 5	3 51 4 59	1 43 0 3	5 19 1 1 41	6 44 4 16	22 42 0 25	21 15 0 17	14 32 0 28	5 5 1 7	22 35 1 4	23 22 23	21 5 24	5 52 2 49
S 5	6 43	1n 3 4 46	0 57 0 2	28 18 52 1 36	6 46 4 15	22 42 0 25	21 16 0 17	14 32 0 28	5 5 1 7	22 35 1 4	23 22 23	21 5 27	5 51 2 49
S 6	6 21	5 53 4 20	0 12 0 2	21 18 44 1 32	6 48 4 15	22 42 0 25	21 16 0 17	14 32 0 28	5 6 1 7	22 35 1 4	23 21 23	21 5 30	5 50 2 49
M 7	5 58	10 30 3 44	0s33 0 1	3 18 34 1 27	6 49 4 15	22 43 0 25	21 17 0 18	14 31 0 28	5 7 1 7	22 35 1 4	23 21 23	21 5 33	5 49 2 49
T 8	5 36	14 43 2 57	1 17 0	6 18 25 1 22	6 50 4 15	22 43 0 25	21 17 0 18	14 31 0 28	5 7 1 7	22 36 1 4	23 21 23	20 5 35	5 48 2 49
W 9	5 13	18 24 2 3	2 1 0s	2 18 14 1 18	6 51 4 15	22 43 0 25	21 18 0 18	14 31 0 28	5 8 1 7	22 36 1 4	23 21 23	20 5 38	5 47 2 49
T 10	4 51	21 22 1 2	2 45 0	9 18 4 1 13	6 51 4 14	22 43 0 25	21 18 0 18	14 30 0 28	5 9 1 7	22 36 1 5	23 21 23	20 5 41	5 46 2 49
F 11	4 28	23 24 On 2	3 28 0 1	7 17 52 1 9	6 51 4 14	22 43 0 25	21 19 0 18	14 30 0 28	5 9 1 7	22 36 1 5	23 21 23	20 5 44	5 45 2 49
S 12	4 5	24 19 1 9	4 11 0 2	25 17 41 1 4	6 52 4 13	22 43 0 25	21 19 0 18	14 29 0 28	5 10 1 7	22 36 1 5	23 21 23	20 5 47	5 44 2 49
S 13	3 42	23 57 2 14	4 53 0 3	33 17 28 0 59	6 51 4 12	22 43 0 25	21 19 0 18	14 29 0 28	5 11 1 7	22 36 1 5	23 21 23	20 5 50	5 43 2 49
M14	3 19	22 11 3 13	5 35 0 4	11 17 16 0 55	6 51 4 12	22 43 0 25	21 20 0 18	14 29 0 28	5 11 1 7	22 37 1 5	23 21 23	20 5 52	5 42 2 49
T 15	2 56	19 2 4 3	6 16 0 4	19 17 2 0 51	6 50 4 11	22 43 0 25	21 20 0 18	14 28 0 28	5 12 1 7	22 37 1 5	23 20 23	20 5 55	5 41 2 49
W16	2 33	14 39 4 40	6 56 0 5	7 16 49 0 46	6 49 4 10	22 43 0 25	21 20 0 18	14 28 0 28	5 13 1 7	22 37 1 5	23 20 23	19 5 58	5 40 2 49
T 17	2 10	9 16 4 58	7 36 1	4 16 34 0 42	6 48 4 9	22 43 0 25	21 21 0 18	14 27 0 28	5 13 1 7	22 37 1 5	23 20 23	19 6 1	5 39 2 49
F 18	1 46	3 16 4 57	8 15 1 1	2 16 20 0 37	6 47 4 8	22 43 0 25	21 21 0 18	14 27 0 28	5 14 1 7	22 37 1 5	23 19 23	19 6 4	5 38 2 49
S 19	1 23	2 s 58 4 34	8 54 1 2	20 16 5 0 33	6 46 4 6	22 43 0 25	21 21 0 18	14 26 0 28	5 15 1 7	22 37 1 5	23 19 23	19 6 7	5 37 2 49
S 20	1 0	9 0 3 53	9 32 1 2	28 15 49 0 29	6 44 4 5	22 43 0 26	21 21 0 18	14 26 0 28	5 15 1 7	22 38 1 5	23 18 23	19 6 9	5 36 2 49
M21	0 36	14 25 2 57	10 8 1 3	86 15 33 0 24	6 42 4 3	22 43 0 26	21 21 0 18	14 25 0 28	5 16 1 7	22 38 1 5	23 18 23	19 6 12	5 35 2 49
T 22	0 13	18 54 1 50	10 45 1 4	14 15 16 0 20	6 40 4 2	22 43 0 26	21 22 0 18	14 25 0 28	5 16 1 7	22 38 1 5	23 18 23	19 6 15	5 34 2 49
W23	0 s 1 0	22 9 0 38	11 20 1 5	1 14 59 0 16	6 38 4 0	22 42 0 26	21 22 0 18	14 24 0 28	5 17 1 7	22 38 1 5	23 18 23	18 6 18	5 33 2 49
T 24	0 34	24 0 0s34	11 54 1 5	59 14 42 0 12	6 35 3 58	22 42 0 26	21 22 0 18	14 23 0 28	5 18 1 7	22 38 1 5	23 18 23	18 6 21	5 31 2 48
F 25	0 57	24 26 1 43	12 28 2	6 14 24 0 8	6 33 3 57	22 42 0 26	21 22 0 19	14 23 0 28	5 18 1 7	22 38 1 6	23 18 23	18 6 23	5 30 2 48
S 26	1 20	23 30 2 44	13 0 2 1	3 14 6 0 4	6 30 3 54	22 42 0 26	21 22 0 19	14 22 0 28	5 19 1 7	22 38 1 6	23 18 23	18 6 26	5 29 2 48
S 27	1 44	21 21 3 36	13 32 2 2	21 13 47 On 0	6 27 3 52	22 41 0 26	21 22 0 19	14 22 0 28	5 20 1 7	22 38 1 6	23 18 23	18 6 29	5 28 2 48
M28	2 7	18 13 4 16	14 2 2 2	27 13 28 0 4	6 24 3 50	22 41 0 26	21 22 0 19	14 21 0 28	5 20 1 7	22 38 1 6	23 17 23	18 6 32	5 27 2 48
T 29	2 30	14 20 4 44	14 32 2 3	34 13 8 0 8	6 21 3 48	22 41 0 26	21 23 0 19	14 21 0 28	5 21 1 7	22 38 1 6	23 17 23	18 6 35	5 26 2 48
W30	2 s54	9 s 5 4 4 s 5 8	15 s 0 2 s <sup>2</sup>	11 12n49 0n12	6n18 3s45	22 s40 0 s26	21 s23 0 s19	14n20 0s28	5 s 2 1 1 s 7	22 s 39 1 s 6	23n16 23r	17 6n38	5n25 2n48

Julian Day Number = 2459093.5, Delta T = 69.37 sec Ecliptic obliquity =  $23^{\circ}26'13$ , Nutation = -  $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}01'44$ , Lahiri =  $24^{\circ}08'45$ 

OCTOBER 2020 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)∤(	卉	Р	u	Ω	Ç	ę,	Day
T 1	0 40 44	8 <b>≏</b> 16'26	28 <b>)</b> (36	3 <b>M</b> .57	27 <b>Ω</b> 50	25°R 3	17 <b>る</b> 55	25 <b>る</b> 20	9°R52	19°R 2	22°R29	23°R 7	23 <b>Ⅱ</b> 44	27 <b>Y</b> 44	7°R 6	T 1
F 2	0 44 41	9°15'25	10 <b>Y</b> 35	4°56	28°59	24 <b>Y</b> 46	17°59	25°21	9 <b>8</b> 50	19 <b>∺</b> 0	22 <b>る</b> 29	22 <b>∏</b> 54	23°41	27°50	7 <b>Ƴ</b> 4	F 2
S 3	0 48 37	10°14'26	22°29	5°52	0Mp 9	24°29	18° 3	25°21	9°48	18°59	22°29	22°41	23°37	27°57	7° 1	S 3
S 4	0 52 34	11°13'29	4820	6°45	1°19	24°12	18° 6	25°21	9°46	18°57	22°29	22°30	23°34	28° 4	6°58	S 4
M 5	0 56 31	12°12'34	16° 9	7°35	2°29	23°54	18°11	25°22	9°44	18°56	22°D29	22°22	23°31	28°10	6°56	M 5
T 6	1 0 27	13°11'42	28° 0	8°21	3°40	23°36	18°15	25°23	9°41	18°54	22°29	22°17	23°28	28°17	6°53	T 6
W 7	1 4 24	14°10'52	9 <b>П</b> 55	9° 4	4°50	23°18	18°19	25°23	9°39	18°53	22°29	22°14	23°25	28°24	6°50	W 7
T 8	1 8 20	15°10'04	21°58	9°42	6° 1	22°59	18°24	25°24	9°37	18°51	22°29	22°D13	23°22	28°30	6°48	T 8
F 9	1 12 17	16° 9'18	49915	10°16	7°11	22°40	18°28	25°25	9°35	18°50	22°29	22°14	23°18	28°37	6°45	F 9
S 10	1 16 13	17° 8'35	16°49	10°45	8°22	22°21	18°33	25°26	9°33	18°49	22°30	22°R14	23°15	28°44	6°42	S 10
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S 11	1 20 10	18° 7'54	29°47	11° 8	9°33	22° 2	18°39	25°27	9°31	18°47	22°30	22°13	23°12	28°51	6°40	S 11
M12	1 24 6	19° 7'15	13 <b>Ω</b> 11	11°25	10°44	21°43	18°44	25°28	9°28	18°46	22°30	22°11	23° 9	28°57	6°37	M12
T 13	1 28 3	20° 6'39	27° 5	11°36	11°55	21°23	18°49	25°30	9°26	18°44	22°30	22° 6	23° 6	29° 4	6°34	T 13
W14	1 32 0	21° 6'05	11 1 1 28	11°R40	13° 7	21° 4	18°55	25°31	9°24	18°43	22°31	21°59	23° 2	29°11	6°32	W14
T 15	1 35 56	22° 5'33	26°18	11°37	14°18	20°45	19° 1	25°33	9°21	18°42	22°31	21°50	22°59	29°17	6°29	T 15
F 16	1 39 53	23° 5'03	11 <b>≏</b> 27	11°25	15°30	20°26	19° 7	25°34	9°19	18°40	22°31	21°41	22°56	29°24	6°27	F 16
S 17	1 43 49	24° 4'36	26°45	11° 6	16°41	20° 8	19°13	25°36	9°17	18°39	22°31	21°32	22°53	29°31	6°24	S 17
S 18	1 47 46	25° 4'10	12 <b>M</b> 1	10°38	17°53	19°49	19°19	25°38	9°14	18°38	22°32	21°25	22°50	29°37	6°21	S 18
M19	1 51 42	26° 3'47	27° 5	10° 1	19° 5	19°31	19°25	25°40	9°12	18°37	22°32	21°21	22°47	29°44	6°19	M19
T 20	1 55 39	27° 3'25	11 <b>~</b> 148	9°15	20°17	19°13	19°32	25°42	9°10	18°35	22°33	21°19	22°43	29°51	6°16	T 20
W21	1 59 35	28° 3'05	26° 5	8°22	21°29	18°56	19°39	25°44	9° 7	18°34	22°33	21°D18	22°40	29°58	6°14	W21
T 22	2 3 32	29° 2'47	9 <b>궁</b> 55	7°21	22°41	18°39	19°45	25°46	9° 5	18°33	22°34	21°19	22°37	0 <b>8</b> 4	6°11	T 22
F 23	2 7 29	OM 2'30	23°18	6°13	23°53	18°23	19°53	25°48	9° 2	18°32	22°34	21°20	22°34	0°11	6° 9	F 23
S 24	2 11 25	1° 2'16	6≈18	5° 1	25° 5	18° 7	20° 0	25°51	9° 0	18°31	22°35	21°R20	22°31	0°18	6° 7	S 24
S 25	2 15 22	2° 2'03	18°59	3°46	26°17	17°51	20° 7	25°53	8°57	18°30	22°35	21°18	22°28	0°24	6° 4	S 25
M26	2 19 18	3° 1'51	1 <b>)</b> 23	2°30	27°30	17°37	20°15	25°56	8°55	18°29	22°36	21°15	22°24	0°31	6° 2	M26
T 27	2 23 15	4° 1'41	13°35	1°15	28°42	17°22	20°22	25°58	8°53	18°28	22°37	21° 9	22°21	0°38	6° 0	T 27
W28	2 27 11	5° 1'33	25°38	0° 4	29°55	17° 9	20°30	26° 1	8°50	18°27	22°37	21° 1	22°18	0°44	5°57	W28
T 29	2 31 8	6° 1'27	7 <b>Υ</b> 35	28 <b>£</b> 59	1 <u>₽</u> 8	16°56	20°38	26° 4	8°48	18°26	22°38	20°53	22°15	0°51	5°55	T 29
F 30	2 35 4	7° 1'22	19°28	28° 2	2°20	16°44	20°46	26° 7	8°45	18°25	22°39	20°44	22°12	0°58	5°53	F 30
S 31	2 39 1	8M 1'20	1820	27 <u>₽</u> 14	3 <u>₽</u> 33	16Υ33	20 <b>국</b> 54	<sub>26</sub> ප්10	8 <b>8</b> 43	18 <b>)</b> 23	22540	20耳36	22 <b>II</b> 8	18 4	5 <b>Υ</b> 51	S 31
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T 1 F 2 S 3	3 s17 3 40 4 3	5 s 8 4 s 5 9 0 12 4 4 7 4 n 4 2 2 2			6 11 3 40	22 39 0 26	21 23 0 19	14n19 0s28 14 19 0 28 14 18 0 28	5 s 2 1 s 7 5 2 3 1 7 5 2 3 1 7	22 39 1 6	23n16 23n17 23 15 23 17 23 14 23 17	6n40 6 43 6 46	5n24 2n48 5 22 2 48 5 21 2 48
S 4 M 5 T 6 W 7 T 8 F 9	5 36 5 58 6 21	13 49 2 59 17 41 2 5 20 52 1 5 23 10 0 1 24 26 1n 4	17 19 3 17 36 3 17 51 3 18 4 3	16 10 18 0 37 19 9 56 0 40 21 9 32 0 43	6 0 3 31 5 56 3 28 5 53 3 25 5 49 3 21 5 45 3 18	22 38 0 26 22 37 0 26 22 37 0 26 22 36 0 26 22 36 0 26	21 23 0 19 21 22 0 19	14 17 0 28 14 17 0 28 14 16 0 28 14 15 0 28 14 15 0 28 14 14 0 28		22 39 1 6 22 39 1 6 22 39 1 6 22 39 1 6 22 39 1 6	23 14 23 17 23 13 23 17 23 13 23 17 23 13 23 16 23 13 23 16 23 13 23 16 23 13 23 16	6 49 6 52 6 55 6 57 7 0 7 3	5 20 2 48 5 19 2 48 5 18 2 48 5 17 2 48 5 16 2 47 5 14 2 47
S 10 S 11 M12 T 13 W14 T 15 F 16 S 17	7 7 7 29 7 52	23 14 3 6 20 39 3 57 16 48 4 36	18 28 3 2 18 31 3 2 18 30 3 2 18 25 3 18 17 3	23 8 45 0 50 23 8 21 0 53 22 7 57 0 56 20 7 32 0 58	5 38 3 11 5 34 3 7 5 30 3 3 3 5 27 3 0 5 23 2 56 5 20 2 52	22 34 0 26 22 34 0 26 22 33 0 26 22 32 0 26 22 31 0 26 22 31 0 26	21 22 0 19 21 22 0 19 21 21 0 19 21 21 0 19	14 10 0 28 14 10 0 28 14 9 0 28	5 28 1 7 5 29 1 7 5 29 1 7 5 30 1 7 5 30 1 7	22 39 1 6 22 39 1 7 22 39 1 7	23 13 23 16 23 13 23 16 23 12 23 16 23 12 23 15 23 12 23 15 23 11 23 15 23 11 23 15 23 10 23 15	7 6 7 9 7 12 7 14 7 17 7 20 7 23 7 26	5 13 2 47 5 12 2 47 5 11 2 47 5 10 2 47 5 9 2 47 5 8 2 47 5 6 2 47 5 5 2 47
S 18 M19 T 20 W21 T 22 F 23 S 24	10 4 10 25 10 47 11 8	17 27 2 6 21 22 0 51 23 48 0s26 24 42 1 38 24 7 2 43	17 1 2 3 16 31 2 3 15 56 2 15 18 1	46 5 25 1 12 34 4 59 1 14 21 4 33 1 16 6 4 7 1 19 49 3 40 1 21	5 10 2 40 5 7 2 35 5 5 2 31 5 2 2 27 5 0 2 23	22 28 0 26 22 27 0 27 22 26 0 27 22 25 0 27 22 24 0 27	21 20 0 20 21 20 0 20 21 20 0 20 21 19 0 20 21 19 0 20 21 19 0 20 21 18 0 20 21 18 0 20	14 7 0 28 14 6 0 28 14 5 0 28 14 4 0 28 14 4 0 28	5 31 1 7 5 32 1 7 5 32 1 7 5 33 1 7 5 33 1 7 5 34 1 7 5 34 1 7	22 39 1 7 22 39 1 7 22 39 1 7 22 39 1 7 22 39 1 7	23 10 23 15 23 9 23 14 23 9 23 14	7 29 7 31 7 34 7 37 7 40 7 43 7 46	5 4 2 46 5 3 2 46 5 2 2 46 5 1 2 46 5 0 2 46 4 59 2 46 4 58 2 46
S 25 M26 T 27 W28 T 29 F 30 S 31		6 25 5 7 1 30 4 55	13 8 0 1 12 23 0 1 11 38 0 10 57 0n 10 18 0 1	51 2 19 1 27 30 1 52 1 29 9 1 25 1 30 11 0 57 1 32 30 0 30 1 33	4 54 2 10 4 53 2 6 4 52 2 2 4 51 1 57 4 50 1 53	22 21 0 27 22 20 0 27 22 19 0 27 22 18 0 27 22 16 0 27	21 15 0 20	14 1 0 28 14 1 0 28	5 34 1 7 5 35 1 7 5 35 1 7 5 36 1 7 5 36 1 7 5 36 1 7 5 36 1 7	22 39 1 7 22 39 1 7 22 39 1 7 22 39 1 7 22 39 1 8	23 8 23 13	7 48 7 51 7 54 7 57 8 0 8 2 8n 5	4 57 2 45 4 56 2 45 4 54 2 45 4 53 2 45 4 52 2 45 4 51 2 45 4n50 2n45

Julian Day Number = 2459123.5, Delta T = 69.37 sec Ecliptic obliquity =  $23^{\circ}26'13$ , Nutation = -  $0^{\circ}00'18$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}01'49$ , Lahiri =  $24^{\circ}08'49$ 

NOVEMBER 2020 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)∤(	¥	Р	ß	Ω	Ç	ę k	Day
S 1	2 42 57	9 <b>M</b> 1'19	13810	26°R37	4 <u>₽</u> 46	16°R22	21る 3	26 <b>ප</b> 13	8°R40	18°R23	22 <b>3</b> 40	20°R29	22 <b>II</b> 5	1811	5°R48	S 1
M 2	2 46 54	10° 1'20	25° 3	26 <b>₽</b> 11	5°59	16 <b>Y</b> 12	21°11	26°16	8 <b>8</b> 38	18 <b>∺</b> 22	22°41	20∏24	22° 2	1°18	5 <b>Υ</b> 46	M 2
T 3	2 50 51	11° 1'23	6 <b>Ⅱ</b> 58	25°57	7°12	16° 3	21°20	26°20	8°35	18°21	22°42	20°21	21°59	1°25	5°44	T 3
W 4	2 54 47	12° 1'28	18°59	25°D54	8°25	15°54	21°28	26°23	8°33	18°20	22°43	20°D20	21°56	1°31	5°42	W 4
T 5	2 58 44	13° 1'35	195 9	26° 3	9°39	15°47	21°37	26°26	8°30	18°19	22°44	20°20	21°53	1°38	5°40	T 5
F 6	3 2 40	14° 1'44	13°30	26°21	10°52	15°40	21°46	26°30	8°28	18°19	22°45	20°22	21°49	1°45	5°38	F 6
S 7	3 6 37	15° 1'56	26° 6	26°50	12° 5	15°34	21°55	26°34	8°25	18°18	22°46	20°23	21°46	1°51	5°36	S 7
S 8	3 10 33	16° 2'09	9⋒ 2	27°28	13°19	15°29	22° 5	26°37	8°23	18°17	22°47	20°25	21°43	1°58	5°34	S 8
M 9	3 14 30	17° 2'24	22°20	28°13	14°32	15°24	22°14	26°41	8°21	18°17	22°48	20°R25	21°40	2° 5	5°32	M 9
T 10	3 18 27	18° 2'41	6Mp 4	29° 6	15°46	15°21	22°24	26°45	8°18	18°16	22°49	20°23	21°37	2°11	5°31	T 10
W11	3 22 23	19° 3'01	20°14	OM 5	16°59	15°18	22°33	26°49	8°16	18°15	22°50	20°21	21°33	2°18	5°29	W11
T 12	3 26 20	20° 3'22	4 <b>Ω</b> 48	1°10	18°13	15°16	22°43	26°53	8°13	18°15	22°51	20°17	21°30	2°25	5°27	T 12
F 13	3 30 16	21° 3'45	19°44	2°19	19°27	15°14	22°53	26°57	8°11	18°14	22°52	20°12	21°27	2°31	5°25	F 13
S 14	3 34 13	22° 4'10	4ML52	3°33	20°41	15°D14	23° 3	27° 1	8° 8	18°14	22°53	20° 8	21°24	2°38	5°24	S 14
S 15	3 38 9	23° 4'37	20° 4	4°50	21°54	15°14	23°13	27° 6	8° 6	18°13	22°54	20° 5	21°21	2°45	5°22	S 15
M16	3 42 6	24° 5'05	5 <b>√</b> 9	6°10	23° 8	15°16	23°23	27°10	8° 4	18°13	22°55	20° 3	21°18	2°52	5°20	M16
T 17	3 46 2	25° 5'35	19°58	7°32	24°22	15°18	23°33	27°15	8° 1	18°12	22°57	20°D 2	21°14	2°58	5°19	T 17
W18	3 49 59	26° 6'07	4 <b>궁</b> 26	8°57	25°36	15°20	23°44	27°19	7°59	18°12	22°58	20° 3	21°11	3° 5	5°17	W18
T 19	3 53 56	27° 6'40	18°26	10°23	26°50	15°24	23°54	27°24	7°57	18°11	22°59	20° 4	21° 8	3°12	5°16	T 19
F 20	3 57 52	28° 7'14	2≈ 0	11°51	28° 5	15°28	24° 5	27°28	7°55	18°11	23° 0	20° 6	21° 5	3°18	5°15	F 20
S 21	4 1 49	29° 7'49	15° 7	13°20	29°19	15°33	24°16	27°33	7°52	18°11	23° 2	20° 7	21° 2	3°25	5°13	S 21
S 22	4 5 45	0 <b>∡</b> 8'26	27°52	14°50	0 <b>M</b> _33	15°39	24°27	27°38	7°50	18°11	23° 3	20°R 8	20°59	3°32	5°12	S 22
M23	4 9 42	1° 9'03	10 <b>) (</b> 17	16°21	1°47	15°46	24°38	27°43	7°48	18°10	23° 4	20° 7	20°55	3°38	5°11	M23
T 24	4 13 38	2° 9'42	22°27	17°52	3° 1	15°53	24°49	27°48	7°46	18°10	23° 6	20° 6	20°52	3°45	5°10	T 24
W25	4 17 35	3°10'22	<b>4</b> Υ27	19°24	4°16	16° 1	25° 0	27°53	7°43	18°10	23° 7	20° 4	20°49	3°52	5° 8	W25
T 26	4 21 31	4°11'03	16°20	20°57	5°30	16°10	25°11	27°58	7°41	18°10	23° 9	20° 2	20°46	3°58	5° 7	T 26
F 27	4 25 28	5°11'45	28°10	22°30	6°44	16°19	25°23	28° 3	7°39	18°10	23°10	19°59	20°43	4° 5	5° 6	F 27
S 28	4 29 25	6°12'28	108 0	24° 3	7°59	16°29	25°34	28° 8	7°37	18°10	23°12	19°57	20°39	4°12	5° 5	S 28
S 29	4 33 21	7°13'13	21°54	25°36	9°13	16°40	25°45	28°14	7°35	18°D10	23°13	19°55	20°36	4°18	5° 4	S 29
M30	4 37 18	8 <b>∡</b> 13'59	3 <b>Ⅱ</b> 52	27 <b>M</b> 9	10 <b>M</b> 28	16 <b>Y</b> 51	25 <b>る</b> 57	28 <b>궁</b> 19	7 <b>8</b> 33	18 <b>)</b> 10	23 <b>궁</b> 15	19 <b>Ⅱ</b> 54	20耳33	4 <b>8</b> 25	5 <b>℃</b> 3	M30

Day	0	D		ğ	φ		ď	1	2	+	ħ	<u></u>	);	β(	<del> </del>	(	Р		n	Ω	ţ	ķ	
	decl	decl lat	dec	lat	decl l	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	dec	l decl	decl	decl	lat
S 1	14 s30	12n48 3	s 8 9s1:	1n 5	0s25	1n36	4n49	1 s45	22 s14	0 s27	21 s14	0 s 2 0	13n57	0 s 2 8	5 s37	1 s 7	22 s39	1 s 8	23n	6 23n12	8n 8	4n49	2n44
M 2	14 49	16 52 2	13 8 52	1 20	0 53	1 38	4 49	1 41	22 13	0 27	21 14	0 20	13 56	0 28	5 37	1 7	22 39	1 8	23	5 23 12	8 11	4 48	2 44
T 3	15 8	20 17 1	12 8 35	1 33	1 21	1 39	4 50	1 37	22 11	0 27	21 13	0 20	13 55	0 28	5 38	1 6	22 38	1 8	23	5 23 12	8 14	4 47	2 44
W 4	15 27	22 52 0	7 8 23	1 44	1 49	1 40	4 50	1 32	22 10	0 27	21 12	0 20	13 54	0 28	5 38	1 6	22 38	1 8	23	5 23 11	8 17	4 46	2 44
T 5	15 45	24 25 Or	n59 8 17	1 54	2 16	1 41	4 51	1 28	22 9	0 27	21 12	0 20	13 53	0 28	5 38	1 6	22 38	1 8	23	5 23 11	8 19	4 46	2 44
F 6	16 3	24 48 2	3 8 17	2 1	2 44	1 42	4 52	1 24	22 7	0 27	21 11	0 21	13 53	0 28	5 38	1 6	22 38	1 8	23	5 23 11	8 22	4 45	2 44
S 7	16 21	23 55 3	3 8 22	2 7	3 12	1 43	4 53	1 20	22 6	0 27	21 11	0 21	13 52	0 28	5 39	1 6	22 38	1 8	23	5 23 11	8 25	4 44	2 44
S 8	16 38	21 46 3	55 8 3	2 12	3 40	1 44	4 55	1 17	22 4	0 27	21 10	0 21	13 51	0 28	5 39	1 6	22 38	1 8	23	5 23 11	8 28	4 43	2 43
M 9	16 55	18 25 4	36 8 44	2 15	4 8	1 44	4 57	1 13	22 3	0 27	21 9	0 21	13 50	0 28	5 39	1 6	22 38	1 8	23	5 23 10	8 31	4 42	2 43
T 10	17 12	13 59 5	3 9	2 17	4 35	1 45	4 59	1 9	22 1	0 27	21 9	0 21	13 50	0 28	5 39	1 6	22 38	1 8	23	5 23 10	8 33	4 41	2 43
W11	17 29	8 40 5	13 9 2	2 17	5 3	1 45	5 1	1 5	22 0	0 27	21 8	0 21	13 49	0 28	5 40	1 6	22 38	1 8	23	5 23 10	8 36	4 40	2 43
T 12	17 45	2 43 5	3 9 4	2 17	5 31	1 46	5 4	1 1	21 58	0 27	21 7	0 21	13 48	0 28	5 40	1 6	22 37	1 8	23	5 23 10	8 39	4 39	2 43
F 13	18 1	3 s 3 0 4	33 10 9	2 15	5 58	1 46	5 7	0 58	21 57	0 27	21 6	0 21	13 47	0 28	5 40	1 6	22 37	1 8	23	5 23 10	8 42	4 38	2 42
S 14	18 17	9 38 3	43 10 37	2 13	6 26	1 46	5 10	0 54	21 55	0 27	21 6	0 21	13 47	0 28	5 40	1 6	22 37	1 8	23	4 23 9	8 45	4 38	2 42
S 15	18 32	15 14 2	37 11 5	2 10	6 53	1 47	5 13	0 51	21 53	0 27	21 5	0 21	13 46	0 28	5 40	1 6	22 37	1 8	23	4 23 9	8 47	4 37	2 42
M16	18 47	19 50 1	21 11 35	2 6	7 20	1 47	5 17	0 47	21 52	0 27	21 4	0 21	13 45	0 28	5 41	1 6	22 37	1 9	23	4 23 9	8 50	4 36	2 42
T 17	19 2	23 3 0	0 12 6	2 2	7 48	1 47	5 21	0 44	21 50	0 27	21 3	0 21	13 44	0 28	5 41	1 6	22 37	1 9	23	4 23 9	8 53	4 35	2 42
W18	19 17	24 40 15	s18 12 37	1 57	8 15	1 47	5 25	0 41	21 48	0 27	21 2	0 21	13 44	0 28	5 41	1 6	22 37	1 9	23	4 23 9	8 56	4 34	2 42
T 19	19 31		30 13 9	1 52	8 41	1 47	5 29		21 46	0 27	21 1	0 21			5 41	1 6				4 23 8	8 59	4 34	2 41
F 20	19 44	23 8 3	31 13 42	1 47	9 8	1 46	5 34	0 34	21 45	0 27	21 1	0 21	13 42	0 28	5 41	1 6	22 36			4 23 8	9 2	4 33	2 41
S 21	19 58	20 25 4	19 14 14	1 41	9 35	1 46	5 39	0 31	21 43	0 27	21 0	0 21	13 41	0 28	5 41	1 6	22 36	1 9	23	4 23 8	9 4	4 32	2 41
S 22	20 11	16 47 4	52 14 40	1 35	10 1	1 46	5 44	0 28	21 41	0 28	20 59	0 21	13 41	0 28	5 41	1 6	22 36	1 9	23	4 23 8	9 7	4 32	2 41
M23	20 23	12 30 5	11 15 19	1 28	10 27	1 45	5 49	0 25	21 39	0 28	20 58	0 21	13 40	0 28	5 41	1 6	22 36	1 9	23	4 23 8	9 10	4 31	2 41
T 24	20 36	7 49 5	15 15 5	1 22	10 53	1 45	5 55	0 22	21 37	0 28	20 57	0 21	13 39	0 28	5 41	1 6	22 36	1 9	23	4 23 7	9 13	4 30	2 40
W25	20 47	2 55 5	6 16 22	1 15	11 18	1 44	6 0	0 19	21 35	0 28	20 56	0 21	13 39	0 28	5 41	1 6	22 35	1 9	23	4 23 7	9 16	4 30	2 40
T 26	20 59	2n 4 4	43 16 53	1 8	11 44	1 43	6 6	0 16	21 33	0 28	20 55	0 21	13 38	0 28	5 41	1 6	22 35	1 9	23	4 23 7	9 18	4 29	2 40
F 27	21 10	6 57 4	9 17 24	1 2	12 9	1 43	6 13	0 13	21 31	0 28	20 54	0 21	13 37	0 28	5 41	1 6	22 35	1 9	23	4 23 7	9 21	4 28	2 40
S 28	21 21	11 36 3	23 17 54	0 55	12 34	1 42	6 19	0 11	21 29	0 28	20 53	0 22	13 37	0 28	5 41	1 6	22 35	1 9	23	3 23 6	9 24	4 28	2 40
S 29	21 31	15 50 2	29 18 23	0 47	12 58	1 41	6 26	0 8	21 27	0 28	20 52	0 22	13 36	0 28	5 41	1 6	22 35	1 9	23	3 23 6	9 27	4 27	2 39
M30	21 s41	19n29 1	s28 18 s52	0n40	13 s23	1n40	6n32	0s 5	21 s25	0 s28	20 s 5 1	0 s22	13n35	0 s28	5 s41	1 s 6	22 s35	1s 9	23n	3 23n 6	9n30	4n27	2n39

Julian Day Number = 2459154.5, Delta T = 69.37 sec Ecliptic obliquity =  $23^{\circ}26'13$ , Nutation = -0°00'19, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}01'53$ , Lahiri =  $24^{\circ}08'53$ 

DECEMBER 2020 00:00 UT

Ъ	0:14	_	-	u u	_	-			\.(	) (	_	_	_		v	ъ
Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)∤(	并	Р	r	v	Ç	Š	Day
T 1	4 41 14	9 <b>₮</b> 14'46	15 <b>Ⅱ</b> 57	28 <b>M</b> 43	11 <b>M</b> 42	17 <b>Y</b> 3	26 <b>궁</b> 9	28 <b>궁</b> 24	7°R31	18 <b>)</b> 10	23 <b>る</b> 16	19°D54	20耳30	4 <b>8</b> 32	5°R 3	T 1
W 2	4 45 11	10°15'34	28°11	0 <b>∡</b> 16	12°57	17°16	26°21	28°30	7 <b>8</b> 29	18°10	23°18	19 <b>Ⅲ</b> 54	20°27	4°39	5 <b>℃</b> 2	W 2
T 3	4 49 7	11°16'24	10934	1°50	14°11	17°29	26°32	28°35	7°27	18°10	23°19	19°54	20°24	4°45	5° 1	T 3
F 4	4 53 4	12°17'14	23° 9	3°23	15°26	17°43	26°44	28°41	7°25	18°10	23°21	19°55	20°20	4°52	5° 0	F 4
S 5	4 57 0	13°18'06	5 <b>Ω</b> 58	4°57	16°41	17°57	26°56	28°47	7°23	18°10	23°22	19°56	20°17	4°59	5° 0	S 5
S 6	5 0 57	14°19'00	19° 2	6°31	17°55	18°12	27° 9	28°52	7°21	18°11	23°24	19°56	20°14	5° 5	4°59	S 6
M 7	5 4 54	15°19'54	2 Mp 22	8° 5	19°10	18°27	27°21	28°58	7°20	18°11	23°26	19°57	20°11	5°12	4°59	M 7
T 8	5 8 50	16°20'50	16° 1	9°38	20°25	18°43	27°33	29° 4	7°18	18°11	23°27	19°R57	20° 8	5°19	4°58	T 8
W 9	5 12 47	17°21'47	29°59	11°12	21°40	19° 0	27°45	29°10	7°16	18°11	23°29	19°57	20° 5	5°25	4°58	W 9
T 10	5 16 43	18°22'45	14 <b>≏</b> 15	12°46	22°55	19°17	27°58	29°16	7°14	18°12	23°31	19°57	20° 1	5°32	4°57	T 10
F 11	5 20 40	19°23'45	28°48	14°20	24° 9	19°35	28°10	29°22	7°13	18°12	23°32	19°56	19°58	5°39	4°57	F 11
S 12	5 24 36	20°24'46	13 <b>M</b> .32	15°54	25°24	19°53	28°23	29°28	7°11	18°13	23°34	19°D56	19°55	5°45	4°57	S 12
S 13	5 28 33	21°25'47	28°22	17°28	26°39	20°11	28°36	29°34	7°10	18°13	23°36	19°57	19°52	5°52	4°57	S 13
M14	5 32 29	22°26'50	13 <b>×</b> 10	19° 2	27°54	20°30	28°48	29°40	7° 8	18°14	23°38	19°R57	19°49	5°59	4°57	M14
T 15	5 36 26	23°27'54	2 <u>7</u> °50	20°36	29° 9	20°50	29° 1	29°46	7° 7	18°14	23°39	19°57	19°45	6° 5	4°56	T 15
W16	5 40 23	24°28'58	12 <b>る</b> 14	22°10	0 <b>∡</b> 24	21°10	29°14	29°52	7° 5	18°15	23°41	19°56	19°42	6°12	4°D56	W16
T 17	5 44 19	25°30'03	26°17	23°45	1°39	21°30	29°27	29°59	7° 4	18°15	23°43	19°56	19°39	6°19	4°56	T 17
F 18	5 48 16	26°31'08	9 <b>≈</b> 57	25°19	2°54	21°51	29°40	0≈ 5	7° 2	18°16	23°45	19°55	19°36	6°25	4°57	F 18
S 19	5 52 12	27°32'14	23°11	26°54	4° 9	22°12	29°53	0°11	7° 1	18°17	23°47	19°54	19°33	6°32	4°57	S 19
S 20	5 56 9	28°33'20	6 <b>∺</b> 2	28°29	5°24	22°34	0≈ 6	0°18	7° 0	18°17	23°48	19°53	19°30	6°39	4°57	S 20
M21	6 0 5	29°34'26	18°31	0중 3	6°39	22°56	0°19	0°24	6°58	18°18	23°50	19°53	19°26	6°46	4°57	M21
T 22	6 4 2	0 <b>ට</b> 35'33	0 <b>Υ</b> 44	1°39	7°54	23°18	0°32	0°31	6°57	18°19	23°52	19°D52	19°23	6°52	4°57	T 22
W23	6 7 58	1°36'40	12°44	3°14	9° 9	23°41	0°46	0°37	6°56	18°20	23°54	19°53	19°20	6°59	4°58	W23
T 24	6 11 55	2°37'46	24°37	4°50	10°24	24° 4	0°59	0°44	6°55	18°21	23°56	19°54	19°17	7° 6	4°58	T 24
F 25	6 15 52	3°38'53	6 <b>8</b> 26	6°25	11°39	24°28	1°12	0°50	6°54	18°21	23°58	19°55	19°14	7°12	4°59	F 25
S 26	6 19 48	4°40'01	18°17	8° 1	12°54	24°51	1°26	0°57	6°53	18°22	24° 0	19°56	19°11	7°19	4°59	S 26
S 27	6 23 45	5°41'08	0 <b>П</b> 14	9°38	14° 9	25°16	1°39	1° 4	6°52	18°23	24° 2	19°57	19° 7	7°26	5° 0	S 27
M28	6 27 41	6°42'15	12°19	11°14	15°24	25°40	1°53	1°10	6°51	18°24	24° 4	19°58	19° 4	7°32	5° 0	M28
T 29	6 31 38	7°43'23	24°35	12°51	16°39	26° 5	2° 6	1°17	6°50	18°25	24° 5	19°R58	19° 1	7°39	5° 1	T 29
W30	6 35 34	<u>8°44'31</u>	799 4	1 <u>4</u> °28	17°54	26°30	2°20	1°24	6°49	18°26	2 <u>4°</u> 7	19°58	18°58	7°46	5° 2	W30
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Julian Day Number = 2459184.5, Delta T = 69.36 sec Ecliptic obliquity =  $23^{\circ}26'13$ , Nutation = -  $0^{\circ}00'18$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}01'57$ , Lahiri =  $24^{\circ}08'57$