

Astrodienst Ephemeris Tables for the year 1519

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 1519 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂	4	ħ)ţ(卉	Р	u	ນ	Ç	ķ	Day
S 1	7 17 19	19 る 50'08	15 る 13	8중 5	1 ට 16	22°R40	20 ≏ 43	13 る 57	8°R28	25≈18	8 වි	9°R17	7 Ⅲ 37	12 \O 29	2≈ 2	S 1
S 2	7 21 16	20°51'16	0≈24	9°38	2°31	22 II 27	20°48	14° 4	8 8 28	25°20	6°10	9 Ⅱ 11	7°33	12°36	2° 7	S 2
M 3	7 25 13	21°52'23	15°37	11°12	3°46	22°14	20°52	14°11	8°28	25°22	6°12	9° 5	7°30	12°43	2°11	M 3
T 4	7 29 9	22°53'29	0) €43	12°46	5° 1	22° 2	20°56	14°18	8°27	25°24	6°14	8°58	7°27	12°49	2°16	T 4
W 5	7 33 6	23°54'35	15°30	14°21	6°16	21°51	21° 1	14°25	8°27	25°26	6°16	8°52	7°24	12°56	2°21	W 5
T 6	7 37 2	24°55'39	29°55	15°57	7°31	21°41	21° 5	14°32	8°27	25°28	6°18	8°47	7°21	13° 3	2°26	T 6
F 7	7 40 59	25°56'42	13 Y 53	17°33	8°47	21°31	21° 8	14°39	8°D27	25°30	6°20	8°44	7°17	13°10	2°31	F 7
S 8	7 44 55	26°57'45	27°25	19°10	10° 2	21°22	21°12	14°46	8°27	25°32	6°22	8°D44	7°14	13°16	2°36	S 8
S 9	7 48 52	27°58'46	10832	20°47	11°17	21°14	21°15	14°53	8°27	25°34	6°24	8°44	7°11	13°23	2°41	S 9
M10	7 52 48	28°59'46	23°18	22°25	12°32	21° 7	21°19	15° 0	8°27	25°36	6°26	8°46	7° 8	13°30	2°46	M10
T 11	7 56 45	0≈ 0'45	5 Ⅱ 48	24° 4	13°47	21° 1	21°22	15° 7	8°28	25°38	6°28	8°R46	7° 5	13°36	2°50	T 11
W12	8 0 42	1° 1'42	18° 4	25°43	15° 2	20°56	21°25	15°13	8°28	25°41	6°30	8°46	7° 2	13°43	2°55	W12
T 13	8 4 38	2° 2'39	0গু11	27°23	16°17	20°51	21°28	15°20	8°28	25°43	6°32	8°43	6°58	13°50	3° 0	T 13
F 14	8 8 3 5	3° 3'35	12°11	29° 4	17°32	20°47	21°30	15°27	8°28	25°45	6°34	8°38	6°55	13°57	3° 5	F 14
S 15	8 12 31	4° 4'29	24° 7	0≈45	18°48	20°44	21°33	15°34	8°29	25°47	6°36	8°31	6°52	14° 3	3°10	S 15
S 16	8 16 28	5° 5'22	6 N 0	2°27	20° 3	20°42	21°35	15°41	8°29	25°49	6°38	8°21	6°49	14°10	3°15	S 16
M17	8 20 24	6° 6'14	17°52	4°10	21°18	20°40	21°37	15°48	8°30	25°51	6°40	8° 9	6°46	14°17	3°20	M17
T 18	8 24 21	7° 7'05	29°44	5°53	22°33	20°D39	21°39	15°54	8°30	25°53	6°42	7°57	6°43	14°23	3°25	T 18
W19	8 28 17	8° 7'55	11 m y39	7°37	23°48	20°39	21°40	16° 1	8°31	25°56	6°43	7°46	6°39	14°30	3°30	W19
T 20	8 32 14	9° 8'44	23°37	9°22	25° 3	20°40	21°42	16° 8	8°31	25°58	6°45	7°36	6°36	14°37	3°35	T 20
F 21	8 36 11	10° 9'32	5 ≏ 41	11°8	26°18	20°42	21°43	16°15	8°32	26° 0	6°47	7°28	6°33	14°44	3°39	F 21
S 22	8 40 7	11°10'18	17°55	12°54	27°33	20°44	21°44	16°21	8°33	26° 2	6°49	7°22	6°30	14°50	3°44	S 22
S 23	8 44 4	12°11'04	0 M 23	14°41	28°48	20°47	21°45	16°28	8°34	26° 4	6°51	7°20	6°27	14°57	3°49	S 23
M24	8 48 0	13°11'49	13° 8	16°28	0≈ 3	20°51	21°46	16°34	8°35	26° 7	6°53	7°D19	6°23	15° 4	3°54	M24
T 25	8 51 57	14°12'33	26°15	18°17	1°18	20°55	21°46	16°41	8°35	26° 9	6°54	7°19	6°20	15°10	3°59	T 25
W26	8 55 53	15°13'15	9 ∡ 747	20° 6	2°34	21° 0	21°47	16°48	8°36	26°11	6°56	7°R19	6°17	15°17	4° 4	W26
T 27	8 59 50	16°13'57	23°48	21°55	3°49	21° 6	21°R47	16°54	8°37	26°13	6°58	7°18	6°14	15°24	4° 9	T 27
F 28	9 3 46	17°14'38	8 ਰ 16	23°45	5° 4	21°12	21°47	17° 1	8°38	26°16	6°59	7°15	6°11	15°31	4°13	F 28
S 29	9 7 43	18°15'17	23°10	25°35	6°19	21°19	21°46	17° 7	8°40	26°18	7° 1	7° 9	6° 8	15°37	4°18	S 29
S 30	9 11 40	19°15'55	8≈23	27°25	7°34	21°27	21°46	1 <u>7</u> °13	8°41	26°20	<u>7°</u> 3	7° 0	6° 4	15°44	4°23	S 30
M31	9 15 36	20≈16'31	23≈44	29≈16	8 ≈ 49	21 II 35	21 ≏ 45	17 る 20	8 8 42	26≈22	7 ろ 4	6耳50	6 I 1	15 Ω 51	4≈28	M31

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S 1	22 s 2	25 s39 3 s	2 24 s 26	1 s 1 1	23 s19	0n11	26n51	3n33	6s52	1n21	22 s32	0n14	13n59	0 s24	13 s41	0 s36	20 s57	2n25	21n54	21n38	21n34	13 s27	6n28
S 2	21 53	24 3 4	1 24 25	1 16	23 21	0 8	26 50	3 33	6 53	1 21	22 31	0 14	13 59	0 24	13 41	0 36	20 57	2 25	21 53	21 38	21 33	13 26	6 28
M 3	_		43 24 23		-			3 33	6 55	1 21	22 31		13 59		13 40		20 57					13 25	6 28
T 4	21 33		5 24 19			0 3		3 32	6 56	1 21			13 59		13 39		20 57					13 24	6 28
W 5 T 6	21 23 21 12		7 24 14 48 24 8		23 21 23 19	0 0 0s 2		3 32 3 31	6 58 6 59	1 21 1 22	-		13 59 13 59		13 39 13 38		20 57 20 57					13 24 13 23	6 27 6 27
F 7	21 12		13 24 0		23 17		26 44	3 31	7 0	1 22			13 59		13 37		20 57					13 22	6 27
S 8	20 49		24 23 50		23 14		26 43	3 30	7 1		22 27		13 59		13 37		20 57					13 21	6 27
S 9	20 37	12 42 2 2	26 23 39	1 47	23 11	0 10	26 42	3 29	7 2	1 22	22 26	0 14	13 59	0 24	13 36	0 36	20 57	2 24	21 49	21 34	21 21	13 19	6 27
M10	20 25	17 19 1 2	22 23 27	1 50	23 7	0 12	26 41	3 29	7 3	1 23	22 26	0 14	13 59	0 23	13 35	0 36	20 57	2 24	21 49	21 34	21 20	13 18	6 27
T 11	20 12		16 23 13				26 39	3 28	7 4	1 23		0 14			13 34		20 57					13 17	6 27
W12			50 22 57		22 56		26 38	3 27	7 5			0 14			13 34		20 57					13 16	6 27
T 13 F 14	19 45		52 22 40 49 22 22		22 50 22 43		26 37 26 36	3 27 3 26	7 6 7 7		22 24 22 23	0 14 0 14					20 57 20 57					13 15 13 14	6 27 6 27
S 15			38 22 2		22 35		26 35	3 25	7 7		22 22	0 14			13 32		20 57					13 13	
S 16	19 3	22 58 4	17 21 40	2 3	22 27	0 27	26 34	3 24	7 8	1 24	22 21	0 13	14 0	0 23	13 31	0 36	20 56	2 24	21 45	21 30	21 10	13 12	6 27
M17	18 48	20 2 4	45 21 16	2 4				3 23	7 9	1 24		0 13			13 30		20 56		21 44			13 11	6 27
T 18		16 16 5	0 20 51		-		26 32	3 22	7 9	1 25		0 13		0 23	13 29		20 56		21 42			13 10	6 27
W19		11 52 5	3 20 25		21 57		26 31	3 21	7 9	1 25		0 13		0 23	13 29		20 56		21 40			13 9	6 27
T 20 F 21	18 1 17 45	7 0 4 3			21 46 21 34		26 30 26 29	3 20 3 19	7 10 7 10	1 25 1 25		0 13 0 13		0 23 0 23	13 28 13 27		20 56 20 56		21 38 21 37			13 8 13 7	6 27 6 27
S 22	17 28		51 18 56		21 22		26 28	3 18	7 10		22 17	0 13		0 23			20 56		21 36			13 5	6 27
S 23	17 11		3 18 23				26 27	3 17	7 10		22 16	0 13			13 26		20 56		21 35				6 27
M24	16 54		5 17 48			-	26 27	3 16	7 10	1 26		0 13			13 25		20 56		21 35				6 27
T 25		18 25 0 3			20 41	0 47	26 26	3 15	7 10	1 26		0 13	14 2		13 24	0 36	20 56		21 35				6 27
W26	16 19		-				26 25	3 14	7 10	1 27		0 13		0 23	13 23		20 56		21 35				6 27
T 27	-	24 48 1 2					26 24	3 13	7 10		22 13	0 13			13 23		20 56		21 35				6 27
F 28 S 29	15 42 15 24	25 51 2 3 25 5 3 3	36 15 14 38 14 32				26 24 26 23	3 12 3 11	7 10 7 9		22 12 22 12	0 13 0 13			13 22 13 21		20 56 20 56		21 35 21 34			12 58 12 57	6 27 6 28
S 30									7 9														
M31			25 13 49 53 13 s 4		19 20 19s 2		26 23 26n22		, ,		22 11 22 s10	0 13 0n13	14 4 14n 5		13 20 13 s20		20 56 20 s 56					12 56 12 s 5 5	

Julian Day Number = 2275872.5, Delta T = 249.42 sec

Ecliptic obliquity = $23^{\circ}30'09$, Nutation = - $0^{\circ}00'15$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°01'44, Lahiri = 17°08'44 Julian Calendar 1 Jan. 1519 == Greg. Calendar 11 Jan. 1519

FEBRUARY 1519 JC 00:00 UT

Day	Sid.t	0	D	ğ	·	♂	24	ħ)∤(卉	Р	ß	Ω	Ç	ķ	Day
T 1	9 19 33	21≈17'06	9 米 2	1) 6	10≈ 4	21 I I44	21°R45	17 궁 26	8 8 43	26≈25	7 ප 6	6°R39	5 Ⅱ 58	15 Ω 57	4≈32	T 1
W 2	9 23 29	22°17'39	24° 5	2°56	11°19	21°53	21 <u>₽</u> 44	17°32	8°44	26°27	7° 8	6Ⅱ28	5°55	16° 4	4°37	W 2
T 3	9 27 26	23°18'10	8 Ƴ 45	4°46	12°34	22° 3	21°42	17°38	8°46	26°29	7° 9	6°20	5°52	16°11	4°42	T 3
F 4	9 31 22	24°18'40	22°56	6°34	13°49	22°14	21°41	17°45	8°47	26°32	7°11	6°14	5°48	16°18	4°47	F 4
S 5	9 35 19	25°19'07	6 8 37	8°22	15° 4	22°25	21°39	17°51	8°49	26°34	7°12	6°11	5°45	16°24	4°51	S 5
S 6	9 39 15	26°19'33	19°49	10° 7	16°19	22°37	21°38	17°57	8°50	26°36	7°14	6°10	5°42	16°31	4°56	S 6
M 7	9 43 12	27°19'57	2∏36	11°51	17°34	22°50	21°36	18° 3	8°52	26°38	7°15	6° 9	5°39	16°38	5° 0	M 7
T 8	9 47 9	28°20'19	15° 2	13°33	18°49	23° 3	21°34	18° 9	8°53	26°41	7°17	6° 9	5°36	16°44	5° 5	T 8
W 9	9 51 5	29°20'39	27°14	15°11	20° 4	23°16	21°31	18°15	8°55	26°43	7°18	6° 8	5°33	16°51	5°10	W 9
T 10	9 55 2	0 米 20′56	9 9 14	16°46	21°19	23°30	21°29	18°21	8°57	26°45	7°20	6° 4	5°29	16°58	5°14	T 10
F 11	9 58 58	1°21'12	21° 8	18°17	22°34	23°44	21°26	18°26	8°58	26°47	7°21	5°57	5°26	17° 5	5°19	F 11
S 12	10 2 55	2°21'26	2 Ω 59	19°43	23°49	23°59	21°23	18°32	9° 0	26°50	7°23	5°48	5°23	17°11	5°23	S 12
S 13	10 651	3°21'38	14°50	21° 4	25° 3	24°15	21°20	18°38	9° 2	26°52	7°24	5°35	5°20	17°18	5°28	S 13
M14	10 10 48	4°21'48	26°43	22°19	26°18	24°30	21°17	18°44	9° 4	26°54	7°25	5°21	5°17	17°25	5°32	M14
T 15	10 14 44	5°21'57	8 m 39	23°27	27°33	24°47	21°14	18°49	9° 6	26°57	7°27	5° 6	5°14	17°31	5°37	T 15
W16	10 18 41	6°22'03	20°39	24°29	28°48	25° 3	21°10	18°55	9° 8	26°59	7°28	4°52	5°10	17°38	5°41	W16
T 17	10 22 38	7°22'07	2 ≏ 45	25°23	0 米 3	25°20	21° 6	19° 0	9°10	27° 1	7°29	4°39	5° 7	17°45	5°45	T 17
F 18	10 26 34	8°22'10	14°58	26° 9	1°18	25°38	21° 3	19° 6	9°12	27° 3	7°30	4°29	5° 4	17°52	5°50	F 18
S 19	10 30 31	9°22'11	27°20	26°47	2°33	25°56	20°59	19°11	9°14	27° 6	7°32	4°22	5° 1	17°58	5°54	S 19
S 20	10 34 27	10°22'10	9 M 53	27°15	3°47	26°14	20°54	19°16	9°16	27° 8	7°33	4°17	4°58	18° 5	5°58	S 20
M21	10 38 24	11°22'08	22°40	27°36	5° 2	26°33	20°50	19°22	9°18	27°10	7°34	4°15	4°54	18°12	6° 2	M21
T 22	10 42 20	12°22'04	5 ,₹ 44	27°47	6°17	26°52	20°45	19°27	9°20	27°12	7°35	4°15	4°51	18°18	6° 7	T 22
W23	10 46 17	13°21'59	1 <u>9</u> °10	27°R49	7°32	27°11	20°41	19°32	9°23	27°14	7°36	4°15	4°48	18°25	6°11	W23
T 24	10 50 13	14°21'52	2 る 59	27°43	8°47	27°31	20°36	19°37	9°25	27°17	7°37	4°14	4°45	18°32	6°15	T 24
F 25	10 54 10	15°21'43	17°13	27°28	10° 1	27°52	20°31	19°42	9°27	27°19	7°38	4°11	4°42	18°39	6°19	F 25
S 26	10 58 7	16°21'32	1≈50	27° 5	11°16	28°12	20°26	19°47	9°29	27°21	7°39	4° 5	4°39	18°45	6°23	S 26
S 27	11 2 3	17°21'20	16°47	26°34	12°31	28°33	20°20	1 <u>9</u> °52	9°32	27°23	<u>7°40</u>	3°57	4°35	18°52	6°27	S 27
M28	11 6 0	18 ∺ 21'06	1 米 56	25) 57	13) 46	28 Ⅱ 54	20 ♀ 15	19 る 56	9 8 34	27≈25	7 궁 41	3 Ⅱ 47	4 Ⅱ 32	$18\Omega 59$	6≈31	M28

Day	0	2)	ζ	5	ς	2	ď	7	2	+	ŧ	l)	ł(j	ŧ,	Е)	P	Ω	ţ	, k	
	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	14 s27	12 s51	5 s 1	12 s18	1s17	18 s44	1s 0	26n21	3n 7	7s 8	1n28	22 s 9	0n12	14n 5	0 s23	13 s 19	0 s36	20s56	2n23	21n29	21n22	20n42	12 s 5 4	6n28
W 2	14 7	6 45	4 47	11 31	1 9	18 25	1 1	26 21	3 6	7 7	1 28	22 9	0 12	14 5	0 23	13 18	0 36	20 56	2 23	21 27	21 21	20 41	12 52	6 28
T 3	13 47	0 26	4 15	10 44	1 0	18 5	1 3	26 20	3 5	7 7	1 29	22 8	0 12	14 6	0 23	13 17	0 36	20 56	2 23	21 25	21 20	20 39	12 51	6 28
F 4	13 27	5n44	3 27	9 55	0 51	17 45	1 5	26 20	3 4	7 6	1 29	22 7	0 12	14 6	0 23	13 16	0 36	20 56	2 23	21 24	21 20	20 37	12 50	6 28
S 5	13 7	11 24	2 30	9 6	0 41	17 25	1 6	26 19	3 3	7 5	1 29	22 6	0 12	14 7	0 23	13 16	0 36	20 56	2 23	21 24	21 19	20 35	12 49	6 28
S 6	12 46	16 22	1 25	8 16	0 31	17 4	1 8	26 19	3 1	7 4	1 29	22 6	0 12	14 7	0 23	13 15	0 36	20 56	2 23	21 24	21 19	20 33	12 48	6 28
M 7	12 26	20 26	0 19	7 26	0 19	16 43	1 9	26 19	3 0	7 3	1 29	22 5	0 12	14 8	0 23	13 14	0 36	20 56	2 23	21 24	21 18	20 32	12 46	6 29
T 8	12 5	23 26	0n47	6 36	0 7	16 21	1 11	26 18	2 59	7 2	1 30	22 4	0 12	14 8	0 23	13 13	0 36	20 56	2 23	21 24	21 18	20 30	12 45	6 29
W 9	11 44	25 17	1 49	5 47	0n 5	15 58	1 12	26 18	2 58	7 1	1 30	22 4	0 12	14 9	0 23	13 13	0 36	20 56	2 23	21 23	21 17	20 28	12 44	6 29
T 10	11 23	25 56	2 45	4 58	0 18	15 35	1 13	26 17	2 57	7 0	1 30	22 3	0 12	14 10	0 23	13 12	0 36	20 56	2 23	21 23	21 17	20 26	12 43	6 29
F 11	11 1	25 21	3 34	4 10	0 31	15 12	1 14	26 17	2 56	6 59	1 30	22 2	0 12	14 10	0 23	13 11	0 36	20 56	2 23	21 21	21 16	20 24	12 42	6 29
S 12	10 40	23 38	4 12	3 23	0 45	14 49	1 16	26 16	2 55	6 58	1 31	22 1	0 12	14 11	0 23	13 10	0 36	20 55	2 23	21 20	21 15	20 23	12 40	6 29
S 13	10 18	20 53	4 40	2 39	0 59	14 24	1 17	26 16	2 54	6 56	1 31	22 1	0 12	14 11	0 23	13 10	0 36	20 55	2 23	21 18	21 15	20 21	12 39	6 30
M14	9 56	17 16	4 56	1 56	1 14	14 0	1 18	26 16	2 52	6 55	1 31	22 0	0 12	14 12	0 23	13 9	0 36	20 55	2 22	21 15	21 14	20 19	12 38	6 30
T 15	9 34	12 57	4 58	1 15	1 28	13 35	1 19	26 15	2 51	6 54	1 31	21 59	0 12	14 13	0 22	13 8	0 36	20 55	2 22	21 12	21 14	20 17	12 37	6 30
W16	9 12	8 7	4 48	0 38	1 43	13 10	1 20	26 15	2 50	6 52	1 31	21 58	0 12	14 13	0 22	13 7	0 36	20 55	2 22	21 10	21 13	20 15	12 35	6 30
T 17	8 50	2 57	4 25	0 3	1 57	12 44	1 21	26 14	2 49	6 50	1 32	21 58	0 11	14 14	0 22	13 7	0 36	20 55	2 22	21 8	21 13	20 13	12 34	6 30
F 18	8 27	2 s24	3 49	0n28	2 11	12 19	1 21	26 14	2 48	6 49	1 32	21 57	0 11	14 15	0 22	13 6	0 36	20 55	2 22	21 6	21 12	20 12	12 33	6 31
S 19	8 5	7 44	3 2	0 55	2 24	11 52	1 22	26 13	2 47	6 47	1 32	21 56	0 11	14 15	0 22	13 5	0 36	20 55	2 22	21 4	21 11	20 10	12 32	6 31
S 20	7 42	12 50	2 5	1 18	2 37	11 26	1 23	26 13	2 46	6 45	1 32	21 56	0 11	14 16	0 22	13 4	0 36	20 55	2 22	21 3	21 11	20 8	12 30	6 31
M21	7 19	17 30	1 1	1 37	2 49	10 59	1 23	26 12	2 45	6 44	_	21 55	0 11	14 17	0 22	13 4	0 36	20 55	2 22		21 10	20 6	12 29	6 31
T 22	6 56	21 27	0s 8	1 52	3 0	10 32	1 24	26 11	2 43	6 42	1 33	21 54	0 11	14 17	0 22	13 3	0 36	20 55	2 22		21 10	20 4	12 28	6 32
W23	6 33	24 21	1 18	2 2	3 10	-		26 11	2 42	6 40		21 54		14 18				20 55	2 22			20 2	12 27	6 32
T 24	6 10	25 54	2 26	2 7	3 19	9 37	1 25	26 10	2 41	6 38		21 53		14 19			0 37	20 55	2 22			20 0	12 26	6 32
F 25	5 47	25 48	3 26	2 8	3 26	9 9	1 25		2 40	6 36	1 33	21 52	0 11	14 20	0 22	13 1		20 55	2 22			19 58	12 24	6 32
S 26	5 24	23 57	4 15	2 4	3 31	8 41	1 26	26 9	2 39	6 34	1 33	21 52	0 11	14 20	0 22	13 0	0 37	20 55	2 22	21 1	21 7	19 56	12 23	6 33
S 27	5 0	20 25	4 48	1 55	3 35	8 12	1 26	26 8	2 38	6 31	1 33	21 51	0 11	14 21	0 22	12 59	0 37	20 55	2 22	21 0	21 7	19 55	12 22	6 33
M28	4 s37	15 s29	5 s 1	1n43	3n37	7 s44	1 s26	26n 7	2n37	6 s 2 9	1n34	21 s50	0n11	14n22	0 s22	12 s 5 8	0 s37	20 s55	2n22	20n58	21n 6	19n53	12 s21	6n33

Julian Day Number = 2275903.5, Delta T = 249.23 sec

Ecliptic obliquity = 23°30'10, Nutation = -0°00'14, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°01'48, Lahiri = 17°08'49 Julian Calendar 1 Feb. 1519 == Greg. Calendar 11 Feb. 1519

MARCH 1519 JC 00:00 UT

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T 1	11 9 56	19 ∺ 20′50	17) 6	25°R15	15 米 0	29∏16	20°R 9	20중 1	9 8 37	27≈28	7 る 42	3°R36	4∏29	19 0 5	6≈35	T 1
W 2	11 13 53	20°20'31	2 Y 8	24 米 27	16°15	29°38	20 ♀ 4	20° 6	9°39	27°30	7°43	3Ⅱ25	4°26	19°12	6°39	W 2
T 3	11 17 49	21°20'11	16°51	23°36	17°30	29°59	19°58	20°10	9°42	27°32	7°44	3°16	4°23	19°19	6°42	T 3
F 4	11 21 46	22°19'49	1 8 8	22°43	18°44	09522	19°52	20°15	9°44	27°34	7°45	3°10	4°20	19°26	6°46	F 4
S 5	11 25 42	23°19'24	14°56	21°48	19°59	0°45	19°46	20°19	9°47	27°36	7°46	3° 6	4°16	19°32	6°50	S 5
S 6	11 29 39	24°18'57	28°16	20°54	21°14	1° 8	19°39	20°24	9°50	27°38	7°46	3°D 5	4°13	19°39	6°54	S 6
M 7	11 33 36	25°18'28	11 II 9	20° 0	22°28	1°32	19°33	20°28	9°52	27°40	7°47	3° 5	4°10	19°46	6°57	M 7
T 8	11 37 32	26°17'56	23°39	19° 9	23°43	1°55	19°26	20°32	9°55	27°42	7°48	3°R 6	4° 7	19°52	7° 1	T 8
W 9	11 41 29	27°17'22	5 9 53	18°20	24°58	2°19	19°20	20°36	9°58	27°44	7°49	3° 5	4° 4	19°59	7° 5	W 9
T 10	11 45 25	28°16'46	17°53	17°35	26°12	2°43	19°13	20°40	10° 1	27°46	7°49	3° 3	4° 0	20° 6	7° 8	T 10
F 11	11 49 22	29°16'08	29°47	16°55	27°27	3° 8	19° 6	20°44	10° 3	27°48	7°50	2°59	3°57	20°13	7°12	F 11
S 12	11 53 18	0 Υ 15'27	11 £ 37	16°19	28°41	3°32	19° 0	20°48	10° 6	27°50	7°50	2°52	3°54	20°19	7°15	S 12
S 13	11 57 15	1°14'44	23°29	15°49	29°56	3°57	18°53	20°52	10° 9	27°52	7°51	2°43	3°51	20°26	7°18	S 13
M14	12 111	2°13'58	5 m 24	15°25	1 Υ 10	4°22	18°46	20°56	10°12	27°54	7°52	2°32	3°48	20°33	7°22	M14
T 15	12 5 8	3°13'11	17°25	15° 6	2°25	4°48	18°39	20°59	10°15	27°56	7°52	2°20	3°45	20°40	7°25	T 15
W16	12 9 4	4°12'21	29°34	14°53	3°39	5°13	18°31	21° 3	10°18	27°58	7°53	2° 9	3°41	20°46	7°28	W16
T 17	12 13 1	5°11'29	11 ≏ 52	14°45	4°54	5°39	18°24	21° 6	10°21	28° 0	7°53	1°59	3°38	20°53	7°31	T 17
F 18	12 16 58	6°10'35	24°18	14°D44	6° 8	6° 5	18°17	21°10	10°24	28° 2	7°53	1°52	3°35	21° 0	7°34	F 18
S 19	12 20 54	7° 9'40	6 M 55	14°47	7°23	6°32	18° 9	21°13	10°27	28° 4	7°54	1°46	3°32	21° 6	7°37	S 19
S 20	12 24 51	8° 8'42	19°43	14°57	8°37	6°58	18° 2	21°16	10°30	28° 6	7°54	1°43	3°29	21°13	7°40	S 20
M21	12 28 47	9° 7'42	2 √ 42	15°11	9°51	7°25	17°54	21°19	10°33	28° 8	7°55	1°D43	3°25	21°20	7°43	M21
T 22	12 32 44	10° 6'41	15°56	15°30	11° 6	7°52	17°47	21°22	10°36	28° 9	7°55	1°43	3°22	21°27	7°46	T 22
W23	12 36 40	11° 5'38	29°25	15°54	12°20	8°19	17°39	21°25	10°39	28°11	7°55	1°44	3°19	21°33	7°49	W23
T 24	12 40 37	12° 4'33	13 る 12	16°22	13°34	8°46	17°32	21°28	10°42	28°13	7°55	1°R45	3°16	21°40	7°52	T 24
F 25	12 44 33	13° 3'27	27°16	16°55	14°49	9°13	17°24	21°31	10°45	28°15	7°56	1°44	3°13	21°47	7°55	F 25
S 26	12 48 30	14° 2'19	11 ≈ 38	17°32	16° 3	9°41	17°16	21°34	10°49	28°16	7°56	1°41	3°10	21°53	7°57	S 26
S 27	12 52 27	15° 1'09	26°13	18°13	17°17	10° 9	17° 9	21°36	10°52	28°18	7°56	1°36	3° 6	22° 0	8° 0	S 27
M28	12 56 23	15°59'57	10 米 58	18°57	18°32	10°37	17° 1	21°39	10°55	28°20	7°56	1°30	3° 3	22° 7	8° 2	M28
T 29	13 0 20	16°58'43	25°46	19°45	19°46	11° 5	16°53	21°41	10°58	28°22	7°56	1°23	3° 0	22°14	8° 5	T 29
W30	13 4 16	17°57'27	10 Y 28	20°36	21° 0	11°33	16°46	21°43	11° 1	28°23	7°56	1°16	2°57	22°20	8° 7	W30
T 31	13 8 13	18 Y 56'10	24 Y 57	21) 31	22 Y 14	1295 2	16 ≏ 38	21 궁 46	118 5	28 ≈ 25	7°R56	1 I I11	2 Ⅱ 54	22 N 27	8≈10	T 31

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T 3	3 27	3n16 3 39			1 26 26	4 2 34	6 22	_	21 48			0 22					20 52		19 47	-	6 34
F 4	3 3	9 23 2 41		26 5 47	1 26 26	2 33			21 48	0 11	-		12 55	0 37			20 51		19 45		6 34
S 5		14 51 1 35			1 26 26	2 2 32	6 18		21 47		14 26				20 55		20 50		19 43		6 35
S 6 M 7		19 25 0 26 22 53 0n43		9 4 48 59 4 18	1 26 26 1 25 25 5	1 2 31 9 2 30	6 15 6 13		21 47 21 46		14 27 14 28	-	12 54 12 53		20 55 20 55		20 50 20 50	_	19 41 19 39	-	6 35
T 8	-	25 8 1 47			1 25 25 5		6 10		21 46		14 29	-	12 53		20 55		20 50		19 37		6 35
W 9	-	26 7 2 4 5		-	1 25 25 5		6 7		21 45		14 30		12 52		20 55		20 50		19 35		6 36
T 10 F 11	0 41	25 51 3 35 24 24 4 14		20 2 48 5 2 18	1 24 25 5 1 24 25 5		6 5 6 2	1 35	21 44 21 44		14 31 14 31	0 22 0 22	12 51 12 51		20 55 20 55		20 49 20 49	-	-, -,	12 9 12 8	6 36
S 12		21 52 4 43		-	1 23 25 5		5 59		21 43		14 31	-	-		20 55			20 59		-	6 37
S 13		18 26 4 59			1 22 25 5		5 57	1 35	-		14 33	-			20 55				19 27	-	6 37
M14 T 15	0 53	14 15 5 3 9 28 4 53		19 0 47 3 0 17	1 22 25 4 1 21 25 4		5 54 5 51	1 35 1 35			14 34 14 35	0 22 0 22	12 49 12 48	0 37					19 25 19 23		6 37 6 38
W16	1 41	9 28 4 33 4 18 4 30	.	3 0 17 48 0n14	1 21 25 4	-	5 48	1 35		0 10			12 48	0 37					19 23	-	6 38
T 17	2 4	1 s 7 3 54	5 31 0	32 0 44	1 19 25 4	-		1 36		0 10	14 37	0 22	12 47	0 37	20 55				19 19		6 39
F 18 S 19	2 28 2 51	6 34 3 6 11 50 2 9		18 1 15 3 1 45	1 18 25 4 1 17 25 3			1 36 1 36	21 40 21 40		14 38 14 39	0 22 0 22		0 37 0 37	20 55 20 55				19 17 19 15		6 39 6 39
S 20	3 14	16 41 1 4	6 7 0s	11 2 15	1 16 25 3	6 2 17	5 37	1 36	21 40	0 10	14 40	0 22	12 45	0 37	20 55	2 22	20 34	20 54	19 13	11 57	6 40
M21		20 51 0s 5		-	1 15 25 3			1 36			14 41	0 22		0 37	20 55				19 11		6 40
T 22 W23	4 1 4 24	24 1 1 10 25 53 2 23		37 3 16 50 3 46	1 14 25 3 1 13 25 2		5 31 5 28	1 36 1 36		0 9			12 44 12 43	0 37 0 37	20 55 20 55			20 53 20 53		11 55 11 54	6 40 6 41
T 24	4 47			2 4 16	1 13 23 2	-			21 38	0 /	1	-	-	0 37	20 55			20 53		11 54	6 41
F 25	5 10	24 55 4 14			1 10 25 2				21 38		14 45			0 37				20 51		11 52	6 42
S 26	5 33	21 58 4 49	6 13 1	23 5 16	1 9 25 2	0 2 12	5 20	1 36	21 37	0 9	14 46	0 22	12 41	0 37	20 55	2 21	20 33	20 51	19 1	11 51	6 42
S 27		17 36 5 6			1 7 25 1	-	5 17		21 37		14 47	-			20 55				18 59		6 42
M28 T 29	6 19 6 41	12 9 5 4 5 59 4 41	0 0 , 1		1 6 25 1 1 4 25 1			1 36	21 36 21 36			-		0 37 0 37				20 49 20 49		11 49	6 43 6 43
W30	7 4	0n29 3 59			1 4 25 1	7 2 8	-		21 36	0 9	-			0 37				20 49			6 44
T 31	7n26	6n51 3s 3			1 s 1 25n	4 2n 7	5 s 5		21 s36	0n 9	14n51	0 s22			20s55				18n51		-

Julian Day Number = 2275931.5, Delta T = 249.06 sec

Ecliptic obliquity = $23^{\circ}30'11$, Nutation = $-0^{\circ}00'14$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°01'52, Lahiri = 17°08'52 Julian Calendar 1 March 1519 == Greg. Calendar 11 March 1519

APRIL 1519 JC 00:00 UT

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F 1	13 12 9	19 Y 54'50	9 8 6	22) 28	23Υ29	12930	16°R30	21 궁 48	118 8	28≈26	7°R56	1°R 7	2Д51	22 \O 34	8≈12	F 1
S 2	13 16 6	20°53'29	22°52	23°28	24°43	12°59	16 ≏ 23	21°50	11°11	28°28	7 궁 56	1 II 5	2°47	22°40	8°14	S 2
S 3	13 20 2	21°52'05	6 Ⅱ 12	24°31	25°57	13°28	16°15	21°52	11°15	28°29	7°56	1°D 5	2°44	22°47	8°16	S 3
M 4	13 23 59	22°50'40	19° 8	25°37	27°11	13°57	16° 7	21°54	11°18	28°31	7°56	1° 6	2°41	22°54	8°19	M 4
T 5	13 27 56	23°49'12	19543	26°45	28°25	14°27	16° 0	21°55	11°21	28°33	7°56	1° 7	2°38	23° 1	8°21	T 5
W 6	13 31 52	24°47'42	14° 0	27°56	29°39	14°56	15°52	21°57	11°25	28°34	7°56	1° 9	2°35	23° 7	8°23	W 6
T 7	13 35 49	25°46'09	26° 4	29° 9	0 8 54	15°26	15°45	21°59	11°28	28°35	7°56	1°R 9	2°31	23°14	8°25	T 7
F 8	13 39 45	26°44'35	8Ω 0	0 Υ 24	2° 8	15°55	15°37	22° 0	11°31	28°37	7°55	1° 9	2°28	23°21	8°26	F 8
S 9	13 43 42	27°42'58	19°52	1°42	3°22	16°25	15°30	22° 2	11°35	28°38	7°55	1° 6	2°25	23°28	8°28	S 9
S 10	13 47 38	28°41'20	1 M 45	3° 1	4°36	16°55	15°23	22° 3	11°38	28°40	7°55	1° 3	2°22	23°34	8°30	S 10
M11	13 51 35	29°39'39	13°43	4°23	5°50	17°25	15°15	22° 4	11°42	28°41	7°55	0°58	2°19	23°41	8°32	M11
T 12	13 55 31	0 8 37'56	25°50	5°47	7° 4	17°55	15° 8	22° 5	11°45	28°42	7°54	0°53	2°16	23°48	8°33	T 12
W13	13 59 28	1°36'11	8 ≏ 7	7°13	8°18	18°26	15° 1	22° 6	11°49	28°44	7°54	0°48	2°12	23°54	8°35	W13
T 14	14 3 25	2°34'24	20°36	8°41	9°32	18°56	14°54	22° 7	11°52	28°45	7°53	0°43	2° 9	24° 1	8°36	T 14
F 15	14 7 21	3°32'36	3 M .19	10°10	10°46	19°27	14°47	22° 8	11°55	28°46	7°53	0°40	2° 6	24° 8	8°38	F 15
S 16	14 11 18	4°30'45	16°15	11°42	12° 0	19°58	14°40	22° 9	11°59	28°47	7°53	0°38	2° 3	24°15	8°39	S 16
S 17	14 15 14	5°28'54	29°24	13°16	13°14	20°28	14°33	22° 9	12° 2	28°48	7°52	0°D37	2° 0	24°21	8°40	S 17
M18	14 19 11	6°27'00	12 ×7 46	14°52	14°27	20°59	14°26	22°10	12° 6	28°49	7°52	0°38	1°57	24°28	8°41	M18
T 19	14 23 7	7°25'05	26°19	16°29	15°41	21°31	14°20	22°10	12° 9	28°51	7°51	0°39	1°53	24°35	8°43	T 19
W20	14 27 4	8°23'09	10궁 5	18° 9	16°55	22° 2	14°13	22°10	12°13	28°52	7°51	0°40	1°50	24°42	8°44	W20
T 21	14 31 0	9°21'11	24° 1	19°50	18° 9	22°33	14° 7	22°11	12°16	28°53	7°50	0°41	1°47	24°48	8°45	T 21
F 22	14 34 57	10°19'12	8 ≈ 6	21°33	19°23	23° 4	14° 1	22°11	12°20	28°54	7°49	0°R42	1°44	24°55	8°46	F 22
S 23	14 38 54	11°17'11	22°20	23°19	20°37	23°36	13°54	22°R11	12°23	28°55	7°49	0°42	1°41	25° 2	8°47	S 23
S 24	14 42 50	12°15'09	6 ∺ 39	25° 6	21°51	24° 7	13°48	22°11	12°27	28°56	7°48	0°40	1°37	25° 8	8°47	S 24
M25	14 46 47	13°13'06	21° 1	26°55	23° 4	24°39	13°42	22°11	12°30	28°57	7°47	0°39	1°34	25°15	8°48	M25
T 26	14 50 43	14°11'01	5 Υ 21	28°46	24°18	25°11	13°37	22°10	12°34	28°58	7°47	0°37	1°31	25°22	8°49	T 26
W27	14 54 40	15° 8'55	19°35	0 8 39	25°32	25°43	13°31	22°10	12°37	28°58	7°46	0°34	1°28	25°29	8°49	W27
T 28	14 58 36	16° 6'48	3 8 38	2°34	26°46	26°15	13°25	22° 9	12°41	28°59	7°45	0°33	1°25	25°35	8°50	T 28
F 29	15 2 33	17° 4'39	17°27	4°30	27°59	26°47	13°20	22° 9	12°44	29° 0	7°44	0°32	1°22	25°42	8°50	F 29
S 30	15 6 29	18 8 2'29	0Д58	6 8 29	29813	279519	13 ≏ 15	22 る 8	12 8 47	29≈≈ 1	7 云 44	0°D32	1 II 18	25 Ω 49	8≈51	S 30

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F 1	7n48	12n44	1 s56	5 s 2	2s13	8n13	0s59	25n 1	2n 6	5s 2	1n36	21 s35	0n 9	14n52	0 s22	12 s38	0 s37	20 s55	2n21	20n26	20n47	18n49	11 s45	6n44
S 2	8 11	17 49	0 44	4 43	2 19	8 42	0 58	24 57	2 5	4 59	1 36	21 35	0 9	14 53	0 22	12 37	0 37	20 55	2 21	20 26	20 46	18 46	11 44	6 45
S 3	8 33	21 51	0n28	4 23	2 24	9 11	0 56	24 53	2 5	4 56	1 36	21 35	0 9	14 54	0 22	12 37	0 37	20 55	2 21	20 26	20 46	18 44	11 43	6 45
M 4		24 40	1 37	4 2	2 29	9 40		24 49	2 4	4 53		21 35		14 55	-	12 36		20 55			20 45			6 46
T 5	9 16		2 39	3 38	2 33			24 45	2 3	4 50		21 34		14 56		12 36		20 55			20 45			6 46
W 6		26 17	3 32	3 14	2 37			24 41	2 2	4 48		21 34		14 57		12 35		20 55			20 44			6 47
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F 8		22 56 19 43	4 47	2 19 1 50	2 43			24 3324 28	2 0	4 42		21 34 21 34		14 59 15 0		12 34		20 55 20 55			20 43			6 47 6 48
	10 41	19 43	5 6	1 30	2 44	11 39	0 44	24 28	1 59	4 39	1 33	21 34	0 8	15 0	0 21	12 34	0 38	20 55	2 21	20 26	20 42	18 32	11 3/	0 48
S 10		15 43	5 11	-	2 46	-		24 23	1 59			21 33		15 1		12 33		20 55					11 37	6 48
M11	11 23	-	5 4		2 46			24 19	1 58	4 34		21 33		15 3	-	12 33		20 55			20 41			6 49
T 12	11 43	5 59	_		2 46			24 14	1 57	4 31		21 33		15 4		12 33		20 55			20 40			6 49
W13	12 4	0 35	_	0n20	2 46			24 9	1 56	4 28		21 33		15 5		12 32		20 55			20 39			6 50
T 14 F 15	12 24	4s57 10 24	3 22 2 24	0 55 1 32	2 45 2 43		0 34	24 4 23 59	1 55 1 55	4 26 4 23		21 33 21 33		15 6 15 7		12 32 12 31		20 55 20 55			20 39 20 38			6 50
S 16		15 30	1 18	-	2 43			23 53	1 54	4 23		21 33		15 8		12 31		20 56			20 38			6 51
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S 17	-	19 58	0 7	2 49	2 39			23 48	1 53	4 18		21 33	0 8	-		12 31		20 56			20 37			6 52
M18	-	23 29	1s 6		2 35			23 42	1 52	4 16	1 34			15 10		12 30		20 56			20 36			6 52
T 19		25 44	2 17	4 10		16 13		23 37 23 31	1 51	-		21 33		15 11		12 30		20 56			20 36			6 52
W20 T 21		26 27 25 31	3 20 4 13	4 52 5 35	2 27 2 22			23 25	1 51 1 50			21 33 21 33		15 12 15 13	-	12 30 12 29		20 56 20 56			20 35 20 34		11 29 11 28	6 53 6 53
F 22		22 58	4 13	6 19				23 19	1 49			21 33		15 15		12 29		20 56			20 34		11 28	6 54
S 23	15 15		5 12			17 45		23 13	1 48	4 4		21 33		15 15		12 29		20 56			20 34		11 27	6 54
S 24 M25		13 56	-	7 48			0 11		1 47	4 2		21 33		15 16	-	12 28		20 56					11 26	6 55
T 26	15 51 16 8	8 5 1 50	4 55 4 19	8 34 9 21	1 58 1 50			23 0 22 53	1 47 1 46	4 0 3 58	1 33	21 33 21 33		15 18 15 19		12 28 12 28		20 56 20 56			20 32 20 31			6 55 6 56
W27	16 25	4n29	-	10 8	1 43			22 47	1 45	3 56		21 33		15 19		12 28		20 56			20 31			6 56
T 28	16 42	-	-	10 55	1 34			22 47	1 44	3 54		21 33		15 20		12 27		20 56	-		20 31			6 57
F 29	-	15 56		11 43	1 26			22 33	1 44	3 52		21 34		15 22		12 27		20 57			20 29			6 57
S 30		20n27		12n30		20n 6	-	22n26	1n43			21 s34		15n23	-	12 s27		20 s57	-		20n29		-	6n58

Julian Day Number = 2275962.5, Delta T = 248.87 sec

Ecliptic obliquity = 23°30'11, Nutation = -0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 18°01'56, Lahiri = 17°08'57 Julian Calendar 1 Apr. 1519 == Greg. Calendar 11 Apr. 1519

MAY 1519 JC 00:00 UT

1.174 1	1313														00.0	0.
Day	Sid.t	0	D	Ϋ́	φ	ď	4	ħ)મ(卉	Р	n	v	Ç	ę,	Day
S 1	15 10 26	198 0'18	14 I 9	8 8 29	0 П 27	27952	13°R 9	22°R 7	12 8 51	29≈≈ 2	7°R43	0 Д 32	1 I I15	25 Ω 55	8≈51	S 1
M 2	15 14 23	19°58'05	27° 1	10°32	1°41	28°24	13 <u>₽</u> 5	22중 7	12°54	29° 2	7 云 42	0°33	1°12	26° 2	8°51	M 2
T 3	15 18 19	20°55'50	9935	12°35	2°54	28°57	13° 0	22° 6	12°58	29° 3	7°41	0°34	1° 9	26° 9	8°51	T 3
W 4	15 22 16	21°53'34	21°53	14°41	4° 8	29°29	12°55	22° 5	13° 1	29° 4	7°40	0°34	1° 6	26°16	8°52	W 4
T 5	15 26 12	22°51'16	3 Ω 59	16°48	5°22	ON 2	12°50	22° 4	13° 5	29° 4	7°39	0°35	1° 3	26°22	8°R52	T 5
F 6	15 30 9	23°48'56	15°56	18°56	6°35	0°35	12°46	22° 2	13° 8	29° 5	7°38	0°35	0°59	26°29	8°52	F 6
S 7	15 34 5	24°46'35	27°50	21° 5	7°49	1° 7	12°42	22° 1	13°12	29° 5	7°37	0°R36	0°56	26°36	8°51	S 7
S 8	15 38 2	25°44'12	9 m /44	23°16	9° 2	1°40	12°38	22° 0	13°15	29° 6	7°36	0°35	0°53	26°43	8°51	S 8
M 9	15 41 58	26°41'48	21°44	25°27	10°16	2°13	12°34	21°58	13°18	29° 6	7°35	0°35	0°50	26°49	8°51	M 9
T 10	15 45 55	27°39'23	3 ≏ 53	27°38	11°29	2°47	12°30	21°56	13°22	29° 7	7°34	0°35	0°47	26°56	8°51	T 10
W11	15 49 52	28°36'56	16°15	29°50	12°43	3°20	12°27	21°55	13°25	29° 7	7°33	0°34	0°43	27° 3	8°50	W11
T 12	15 53 48	29°34'27	28°53	2 II 2	13°56	3°53	12°23	21°53	13°29	29° 8	7°32	0°34	0°40	27° 9	8°50	T 12
F 13	15 57 45	0 Ⅲ 31'57	11 M 49	4°13	15°10	4°26	12°20	21°51	13°32	29° 8	7°31	0°D34	0°37	27°16	8°49	F 13
S 14	16 141	1°29'27	25° 3	6°24	16°23	5° 0	12°17	21°49	13°35	29° 8	7°30	0°R34	0°34	27°23	8°49	S 14
S 15	16 5 38	2°26'55	8 ∡ ³34	8°34	17°37	5°33	12°14	21°47	13°39	29° 9	7°29	0°34	0°31	27°30	8°48	S 15
M16	16 9 34	3°24'22	22°22	10°43	18°50	6° 7	12°11	21°45	13°42	29° 9	7°27	0°34	0°28	27°36	8°48	M16
T 17	16 13 31	4°21'48	6 ප 23	12°51	20° 4	6°40	12° 9	21°43	13°45	29° 9	7°26	0°34	0°24	27°43	8°47	T 17
W18	16 17 27	5°19'14	20°33	14°57	21°17	7°14	12° 6	21°41	13°49	29° 9	7°25	0°33	0°21	27°50	8°46	W18
T 19	16 21 24	6°16'38	4≈49	17° 1	22°31	7°48	12° 4	21°38	13°52	29° 9	7°24	0°33	0°18	27°57	8°45	T 19
F 20	16 25 21	7°14'02	19°8	19° 4	23°44	8°22	12° 2	21°36	13°55	29°10	7°23	0°32	0°15	28° 3	8°44	F 20
S 21	16 29 17	8°11'26	3 ∺ 25	21° 4	24°57	8°56	12° 0	21°33	13°58	29°10	7°21	0°D32	0°12	28°10	8°43	S 21
S 22	16 33 14	9° 8'48	17°37	23° 2	26°11	9°30	11°59	21°31	14° 2	29°10	7°20	0°32	0° 9	28°17	8°42	S 22
M23	16 37 10	10° 6'10	1 Υ 44	24°58	27°24	10° 4	11°57	21°28	14° 5	29°R10	7°19	0°32	0° 5	28°23	8°41	M23
T 24	16 41 7	11° 3'32	15°41	26°52	28°37	10°38	11°56	21°25	14° 8	29°10	7°18	0°33	0° 2	28°30	8°40	T 24
W25	16 45 3	12° 0'53	29°29	28°43	29°51	11°12	11°55	21°22	14°11	29°10	7°16	0°34	29859	28°37	8°38	W25
T 26	16 49 0	12°58'13	138 4	0ഇ32	199 4	11°46	11°54	21°20	14°14	29°10	7°15	0°35	29°56	28°44	8°37	T 26
F 27	16 52 56	13°55'33	26°27	2°18	2°17	12°21	11°53	21°17	14°18	29°10	7°14	0°R35	29°53	28°50	8°36	F 27
S 28	16 56 53	14°52'53	9Д36	4° 2	3°30	12°55	11°53	21°13	14°21	29° 9	7°12	0°35	29°49	28°57	8°34	S 28
S 29	17 0 50	15°50'12	22°31	5°43	4°44	13°30	11°52	21°10	14°24	29° 9	7°11	0°34	29°46	29° 4	8°33	S 29
M30	17 4 46	16°47'30	59912	7°22	5°57	14° 4	11°52	2 <u>1°</u> 7	14°27	29° 9	<u>7°</u> 9	0°33	29°43	29°10	8°31	M30
T 31	17 8 43	17 Ⅲ 44'47	17938	8959	79510	14 N 39	11°D52	21る 4	14 8 30	29≈ 9	7중 8	0 Ⅲ 30	29840	$29\Omega 17$	8≈29	T 31

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S 1 M 2		23n48 1n15 25 49 2 21			22n19 1n42 22 11 1 41			15n24 0s21 15 25 0 21			20n19 20n2 20 19 20 2	-	
T 3		26 28 3 20		18 20 59 0 11		3 45 1 31	21 35 0 7	15 26 0 21 15 27 0 21	12 26 0 38 12 26 0 38	20 57 2 20	20 19 20 2 20 20 20 2	7 17 39	11 21 6 59
T 5	18 32	23 54 4 43	16 28 0 2	27 21 31 0 16	21 49 1 39	3 41 1 31	21 35 0 6	15 28 0 21	12 26 0 38	20 57 2 20	20 20 20 2	5 17 34	11 20 7 0
F 6 S 7					21 41 1 38 21 33 1 38			15 29 0 21 15 30 0 21	12 25 0 38 12 25 0 38		20 20 20 2 20 20 20 2		1 1
S 8 M 9	19 15 19 28				21 25 1 37 21 17 1 36		21 36 0 6 21 36 0 6				20 20 20 2 20 20 20 2		
T 10 W11	19 41 19 54	2 30 4 25 3s 0 3 42		25 22 41 0 28 36 22 54 0 31		3 35 1 30 3 33 1 29		15 33 0 21 15 34 0 21		20 58 2 20	20 20 20 2 20 19 20 2	2 17 23	11 18 7 2
T 12	20 7	8 30 2 47	21 22 0 4	16 23 5 0 33	20 52 1 34	3 32 1 29	21 37 0 6	15 35 0 21	12 25 0 39	20 58 2 20	20 19 20 2 20 19 20 2 20 19 20 2	1 17 18	11 17 7 3
	20 19 20 31				20 43 1 33 20 34 1 33	3 31 1 29 3 30 1 29		15 36 0 21 15 37 0 21			20 19 20 2		
S 15 M16	-		22 59 1 1 23 27 1 2		20 25 1 32 20 16 1 31	3 29 1 28 3 29 1 28		15 38 0 21 15 39 0 21	12 24 0 39 12 24 0 39		20 19 20 1 20 19 20 1		11 16 7 4 11 16 7 5
T 17 W18	21 4 21 15	26 26 3 6 25 55 4 3			20 7 1 31 19 58 1 30	3 28 1 28 3 27 1 28		15 40 0 21 15 41 0 21	12 24 0 39 12 24 0 39		20 19 20 1 20 19 20 1		11 16 7 5 11 16 7 6
	21 25 21 35		24 33 1 4 24 50 1 4			3 27 1 27 3 26 1 27	21 40 0 5	15 42 0 21 15 43 0 21	12 24 0 39 12 24 0 39		20 19 20 1 20 19 20 1		11 16 7 6 11 15 7 7
		15 11 5 16	25 4 1 5	52 24 18 0 54	19 29 1 28	3 26 1 27	21 41 0 5	15 44 0 21	12 24 0 39	20 59 2 19	20 19 20 1	5 16 58	
S 22 M23	21 53 22 1		25 15 1 5 25 23 1 5		19 19 1 27 19 9 1 26	3 25 1 27 3 25 1 26					20 19 20 1 20 19 20 1		
T 24 W25	22 10 22 17						21 43 0 5 21 43 0 5				20 19 20 1 20 19 20 1		1 1
T 26 F 27	22 25 22 32	14 17 1 35	25 35 2	5 24 34 1 4	18 39 1 24	3 24 1 26	21 44 0 5	15 49 0 21 15 50 0 21	12 24 0 39 12 24 0 39	21 0 2 19	20 20 20 1	1 16 46	11 15 7 9
S 28					18 18 1 23			15 51 0 21	12 24 0 39		20 20 20 1		
M30	22 51	26 23 2 59	25 19 2	-	18 8 1 22 17 57 1 22 17n46 1n21	3 24 1 25	21 46 0 5	15 52 0 21 15 53 0 21 15n54 0s21	12 25 0 39	21 0 2 19	20 20 20 20 19 20 20n19 20n	9 16 36	11 15 7 11

Julian Day Number = 2275992.5, Delta T = 248.68 sec

Ecliptic obliquity = $23^{\circ}30'11$, Nutation = $-0^{\circ}00'16$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°02'00, Lahiri = 17°09'01 Julian Calendar 1 May 1519 == Greg. Calendar 11 May 1519

JUNE 1519 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	Р	n	v	Ç	δ,	Day
W 1	17 12 39	18∏42'04	29953	10932	89523	15 Ω 13	11 ≏ 52	21°R 1	14833	29°R 9	7°R 7	0°R28	29 8 37	29 Ω 24	8°R28	W 1
T 2	17 16 36	19°39'20	11 Ω 57	12° 3	9°36	15°48	11°52	20 궁 57	14°36	29≈ 8	7중 5	0耳25	29°34	29°31	8≈26	T 2
F 3	17 20 32	20°36'35	23°54	13°32	10°50	16°23	11°53	20°54	14°39	29° 8	7° 4	0°23	29°30	29°37	8°24	F 3
S 4	17 24 29	21°33'50	5 m) 47	14°58	12° 3	16°58	11°54	20°50	14°42	29° 8	7° 2	0°21	29°27	29°44	8°22	S 4
S 5	17 28 26	22°31'03	17°40	16°21	13°16	17°33	11°55	20°47	14°45	29° 7	7° 1	0°D20	29°24	29°51	8°20	S 5
M 6	17 32 22	23°28'16	29°39	17°42	14°29	18° 8	11°56	20°43	14°48	29° 7	7° 0	0°20	29°21	29°58	8°18	M 6
T 7	17 36 19	24°25'29	11 ≏ 47	18°59	15°42	18°43	11°57	20°39	14°51	29° 6	6°58	0°21	29°18	0Mp 4	8°16	T 7
W 8	17 40 15	25°22'41	24°10	20°14	16°55	19°18	11°58	20°36	14°53	29° 6	6°57	0°22	29°15	0°11	8°14	W 8
T 9	17 44 12	26°19'52	6 M .51	21°27	18° 8	19°53	12° 0	20°32	14°56	29° 5	6°55	0°24	29°11	0°18	8°12	T 9
F 10	17 48 8	27°17'03	19°54	22°36	19°21	20°28	12° 2	20°28	14°59	29° 5	6°54	0°25	29° 8	0°24	8°10	F 10
S 11	17 52 5	28°14'13	3 √ 19	23°42	20°34	21° 4	12° 3	20°24	15° 2	29° 4	6°52	0°R25	29° 5	0°31	8° 7	S 11
S 12	17 56 1	29°11'24	17° 9	24°46	21°47	21°39	12° 6	20°20	15° 5	29° 4	6°51	0°24	29° 2	0°38	8° 5	S 12
M13	17 59 58	09 8'33	1 云 19	25°46	23° 0	22°15	12° 8	20°16	15° 7	29° 3	6°49	0°22	28°59	0°45	8° 3	M13
T 14	18 3 55	1° 5'43	15°46	26°43	24°13	22°50	12°10	20°12	15°10	29° 2	6°48	0°19	28°55	0°51	8° 0	T 14
W15	18 7 51	2° 2'53	0≈25	27°36	25°26	23°26	12°13	20° 8	15°13	29° 2	6°46	0°14	28°52	0°58	7°58	W15
T 16	18 11 48	3° 0'03	15° 7	28°26	26°39	24° 1	12°16	20° 4	15°15	29° 1	6°45	0°10	28°49	1° 5	7°56	T 16
F 17	18 15 44	3°57'13	29°46	29°13	27°52	24°37	12°19	20° 0	15°18	29° 0	6°43	0° 6	28°46	1°12	7°53	F 17
S 18	18 19 41	4°54'23	14) 16	29°56	29° 4	25°12	12°22	19°56	15°20	28°59	6°42	0° 3	28°43	1°18	7°50	S 18
S 19	18 23 37	5°51'33	28°33	0 Ω 35	0Ω17	25°48	12°25	19°51	15°23	28°59	6°40	0° 1	28°40	1°25	7°48	S 19
M20	18 27 34	6°48'44	12 Y 34	1°10	1°30	26°24	12°28	19°47	15°25	28°58	6°39	0°D 1	28°36	1°32	7°45	M20
T 21	18 31 30	7°45'55	26°19	1°42	2°43	27° 0	12°32	19°43	15°28	28°57	6°37	0° 2	28°33	1°38	7°42	T 21
W22	18 35 27	8°43'06	9 8 48	2° 9	3°56	27°36	12°36	19°39	15°30	28°56	6°36	0° 4	28°30	1°45	7°40	W22
T 23	18 39 24	9°40'18	23° 1	2°31	5° 8	28°12	12°40	19°34	15°32	28°55	6°34	0° 5	28°27	1°52	7°37	T 23
F 24	18 43 20	10°37'31	6 I 2	2°50	6°21	28°48	12°44	19°30	15°35	28°54	6°33	0°R 5	28°24	1°59	7°34	F 24
S 25	18 47 17	11°34'44	18°49	3° 3	7°34	29°24	12°48	19°26	15°37	28°53	6°31	0° 3	28°21	2° 5	7°31	S 25
S 26	18 51 13	12°31'57	19526	3°12	8°46	ompo	12°53	19°21	15°39	28°52	6°30	29 8 59	28°17	2°12	7°28	S 26
M27	18 55 10	13°29'10	13°51	3°R17	9°59	0°36	12°57	19°17	15°42	28°51	6°28	29°54	28°14	2°19	7°25	M27
T 28	18 59 6	14°26'24	26° 7	3°16	11°12	1°13	13° 2	19°13	15°44	28°50	6°27	29°47	28°11	2°25	7°22	T 28
W29	19 3 3	15°23'38	8 Ω 14	3°11	12°24	1°49	13° 7	19°8	15°46	28°49	6°26	29°38	28° 8	2°32	7°19	W29
T 30	19 6 59	169520'52	$20\Omega 14$	3Ω 1	$13\Omega 37$	2 Mp 25	13 ₽ 12	19 궁 4	15 8 48	28≈48	6 궁 24	29 8 30	28 8 5	2 Mp 39	7≈16	T 30

Day	0	D	3		φ		a	7	2	+	ŧ	l)į	β(4	(E)	n	U	Ç	ķ	;
	decl	decl lat	decl	lat	decl l	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1 T 2 F 3	-	22 1 4 : 18 30 5	31 25n 0 58 24 48 12 24 35	1 51 1 47	24 26 24 22	1n15 1 17 1 18	17 24 17 13	1 20 1 19	3 s25 3 25 3 26	1 24 1 23		0 4 0 4	15n54 15 55 15 56	0 21 0 21	12 25 12 25	0 39 0 39	21 1	2 18 2 18	20 18 20 17	20 6	16 29 16 27	11 s15 11 15 11 15	7n11 7 12 7 12
S 4 S 5 M 6 T 7 W 8 T 9 F 10 S 11	23 17 23 20 23 23 23 25 23 27 23 28 23 29 23 30	9 29 5 4 20 4 1 1s 3 3 3 6 31 3 11 52 2 16 50 0 3 21 8 0s 24 23 1 1	13 24 20 0 24 4 34 23 48 56 23 30 6 23 11 6 22 51 57 22 31 16 22 10	1 35 1 29 1 21 1 13 1 5 0 56 0 46 0 36	24 11 24 5 23 58 23 51 23 42 23 33 23 24 23 13	1 24 1 26 1 27 1 28 1 29 1 30	16 51 16 39 16 28 16 16 16 4 15 53 15 41 15 29	1 18 1 17 1 16 1 16 1 15 1 14 1 14 1 13	3 26 3 27 3 28 3 28 3 29 3 30 3 31 3 32 3 33	1 23 1 23 1 22 1 22 1 22 1 22 1 21 1 21	21 51 21 51 21 52 21 53 21 53 21 54	0 4 0 4 0 4 0 4 0 4 0 4 0 4	16 0 16 1 16 1 16 2 16 3 16 4	0 21 0 21 0 21 0 21 0 21 0 21 0 21	12 25 12 26 12 26 12 26 12 26 12 26 12 27 12 27	0 39 0 39 0 39 0 40	21 1 21 1 21 2 21 2 21 2 21 2 21 2 21 2	2 18 2 18 2 18 2 18 2 18 2 18 2 18 2 18		20 5 20 4 20 3 20 2 20 2 20 1 20 0 20 0	16 22 16 19 16 17 16 15 16 12 16 10 16 7	11 16 11 17	
	23 30 23 29 23 28 23 27 23 25	26 15 3 4 24 31 4 2 21 8 5 16 26 5 10 51 5	41 21 28 43 21 6 30 20 44 1 20 22 11 20 0 2 19 38	0 14 0 2 0s10 0 23 0 36	22 51 22 38 22 25 22 12 21 58	1 32 1 33 1 34 1 35 1 36	14 39 14 27 14 14	1 11 1 10 1 10 1 9	3 41	1 20 1 20 1 20 1 20 1 19	21 56 21 57 21 58 21 58	0 3 0 3 0 3 0 3 0 3	16 6 16 7 16 8 16 8	0 21 0 21 0 21 0 21 0 21	12 27 12 27 12 28 12 28 12 28 12 29	0 40 0 40 0 40	21 3 21 3 21 3 21 3 21 3	2 17 2 17 2 17 2 17 2 17 2 17	20 16 20 15 20 14 20 13 20 13	19 58 19 57 19 56 19 56	16 0 15 58 15 55 15 53 15 50	11 18 11 18 11 18 11 19	7 16 7 16 7 16 7 16 7 17 7 17
S 19 M20 T 21 W22 T 23 F 24 S 25		1n27 3 : 7 30 2 : 13 5 1 4 17 58 0 : 21 54 0n:	53 18 35	1 3 1 17 1 32 1 46 2 1	21 27 21 11 20 55 20 37 20 20	1 37 1 38 1 38 1 39	14 1 13 49 13 36 13 23 13 10 12 56 12 43	1 8 1 8 1 7 1 6 1 6 1 5 1 4	3 42 3 44 3 46 3 47 3 49 3 51 3 53	1 19 1 19 1 19 1 18 1 18 1 18 1 17	22 0 22 1 22 2 22 2	0 3 0 3 0 3 0 2 0 2	16 9 16 10 16 10 16 11 16 12 16 13 16 13	0 21 0 21 0 21 0 21 0 21	12 29 12 29 12 29 12 30 12 30 12 31 12 31	0 40 0 40 0 40 0 40 0 40 0 40 0 40	21 4 21 4 21 4 21 4 21 4	2 17 2 17 2 16 2 16 2 16	20 13 20 13 20 13 20 13 20 13	19 54 19 53 19 53 19 52 19 51	15 48 15 45 15 43 15 40 15 38 15 35 15 33	11 20 11 20 11 21 11 21	7 17 7 17 7 18 7 18 7 18 7 18 7 19
S 26 M27 T 28 W29 T 30	22 49 22 43 22 37	26 20 3 2 25 10 4 22 51 4	41 17 3 34 16 48 16 16 34 46 16 21 3 16n10	2 45 3 0 3 14	19 23 19 3 18 42	1 39 1 39	12 30 12 16 12 3 11 49 11n35	1 4 1 3 1 3 1 2 1n 1	3 55 3 57 3 59 4 1 4s 3	1 17 1 17 1 17 1 16 1n16	22 5 22 5	0 2 0 2 0 2	16 14 16 14 16 15 16 16 16n16	0 21 0 21 0 21	12 31 12 32 12 32 12 32 12 s33	0 40 0 40	21 5 21 5	2 16 2 16 2 16	20 11 20 9 20 8	19 49 19 48 19 48	15 28 15 25 15 23	11 22 11 23 11 23 11 24 11 s25	7 19 7 19 7 19 7 19 7 19 7n20

Julian Day Number = 2276023.5, Delta T = 248.49 sec

Ecliptic obliquity = 23°30'10, Nutation = -0°00'15, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°02'05, Lahiri = 17°09'05 Julian Calendar 1 June 1519 == Greg. Calendar 11 June 1519

JULY 1519 JC 00:00 UT

Day	Sid.t	0)	ğ	Ş	ď	4	ħ)∤(并	Р	S.	v	Ç	ķ	Day
F 1	19 10 56	179518'07	2 m/y 8	2°R46	14 Ω 49	3 m/p 2	13 ♀ 17	18°R59	15 8 50	28°R47	6°R23	29°R22	28 8 1	2 Mp 46	7°R13	F 1
S 2	19 14 53	18°15'21	14° 0	2 Ω 27	16° 2	3°38	13°22	18 ට 55	15°52	28≈46	6 ප 21	29815	27°58	2°52	7 ≈ 10	S 2
S 3	19 18 49	19°12'36	25°52	2° 3	17°14	4°15	13°28	18°50	15°54	28°45	6°20	29°11	27°55	2°59	7° 7	S 3
M 4	19 22 46	20° 9'51	7 ≏ 48	1°35	18°27	4°52	13°34	18°46	15°56	28°44	6°18	29° 8	27°52	3° 6	7° 4	M 4
T 5	19 26 42	21° 7'07	19°54	1° 4	19°39	5°28	13°39	18°42	15°58	28°42	6°17	29°D 7	27°49	3°13	7° 1	T 5
W 6	19 30 39	22° 4'22	2 M .14	0°29	20°52	6° 5	13°45	18°37	16° 0	28°41	6°15	29° 7	27°46	3°19	6°58	W 6
T 7	19 34 35	23° 1'38	14°53	29951	22° 4	6°42	13°51	18°33	16° 2	28°40	6°14	29° 8	27°42	3°26	6°55	T 7
F 8	19 38 32	23°58'55	27°55	29°10	23°16	7°18	13°58	18°28	16° 3	28°39	6°13	29°R 9	27°39	3°33	6°51	F 8
S 9	19 42 28	24°56'12	11 × 23	28°28	24°29	7°55	14° 4	18°24	16° 5	28°37	6°11	29° 8	27°36	3°39	6°48	S 9
S 10	19 46 25	25°53'29	25°19	27°45	25°41	8°32	14°10	18°20	16° 7	28°36	6°10	29° 6	27°33	3°46	6°45	S 10
M11	19 50 22	26°50'47	9 궁 43	27° 2	26°53	9° 9	14°17	18°15	16° 8	28°35	6° 8	29° 1	27°30	3°53	6°42	M11
T 12	19 54 18	27°48'06	24°28	26°19	28° 5	9°46	14°24	18°11	16°10	28°33	6° 7	28°54	27°27	4° 0	6°38	T 12
W13	19 58 15	28°45'25	9≈29	25°38	29°18	10°23	14°31	18° 7	16°12	28°32	6° 6	28°45	27°23	4° 6	6°35	W13
T 14	20 2 11	29°42'46	24°35	24°59	0 m 30	11° 0	14°38	18° 2	16°13	28°31	6° 4	28°36	27°20	4°13	6°32	T 14
F 15	20 6 8	0 Ω 40'07	9) 36	24°22	1°42	11°38	14°45	17°58	16°14	28°29	6° 3	28°28	27°17	4°20	6°29	F 15
S 16	20 10 4	1°37'29	24°25	23°49	2°54	12°15	14°52	17°54	16°16	28°28	6° 2	28°22	27°14	4°27	6°25	S 16
S 17	20 14 1	2°34'52	8 Ƴ 54	23°21	4° 6	12°52	15° 0	17°50	16°17	28°26	6° 0	28°17	27°11	4°33	6°22	S 17
M18	20 17 57	3°32'17	23° 0	22°57	5°18	13°30	15° 7	17°45	16°19	28°25	5°59	28°15	27° 7	4°40	6°19	M18
T 19	20 21 54	4°29'42	6 8 43	22°38	6°30	14° 7	15°15	17°41	16°20	28°23	5°58	28°D15	27° 4	4°47	6°15	T 19
W20	20 25 51	5°27'10	20° 3	22°25	7°42	14°44	15°23	17°37	16°21	28°22	5°57	28°15	27° 1	4°53	6°12	W20
T 21	20 29 47	6°24'38	3 II 5	22°18	8°54	15°22	15°31	17°33	16°22	28°21	5°55	28°R15	26°58	5° 0	6° 9	T 21
F 22	20 33 44	7°22'08	15°49	22°D18	10° 6	15°59	15°39	17°29	16°23	28°19	5°54	28°14	26°55	5° 7	6° 5	F 22
S 23	20 37 40	8°19'39	28°21	22°24	11°17	16°37	15°47	17°25	16°25	28°18	5°53	28°10	26°52	5°14	6° 2	S 23
S 24	20 41 37	9°17'11	109542	22°37	12°29	17°15	15°55	17°21	16°26	28°16	5°52	28° 4	26°48	5°20	5°59	S 24
M25	20 45 33	10°14'45	22°54	22°57	13°41	17°52	16° 3	17°17	16°27	28°14	5°50	27°55	26°45	5°27	5°55	M25
T 26	20 49 30	11°12'20	4 Ω 59	23°24	14°53	18°30	16°12	17°13	16°28	28°13	5°49	27°44	26°42	5°34	5°52	T 26
W27	20 53 27	12° 9'56	16°59	23°58	16° 4	19° 8	16°21	17° 9	16°28	28°11	5°48	27°31	26°39	5°40	5°49	W27
T 28	20 57 23	13° 7'33	28°54	24°38	17°16	19°46	16°29	17° 6	16°29	28°10	5°47	27°17	26°36	5°47	5°46	T 28
F 29	21 1 20	14° 5'11	10 m /46	25°25	18°27	20°24	16°38	17° 2	16°30	28° 8	5°46	27° 4	26°32	5°54	5°42	F 29
S 30	21 5 16	15° 2'51	22°36	26°19	19°39	21° 2	16°47	16°58	16°31	28° 7	5°45	26°53	26°29	6° 1	5°39	S 30
S 31	21 9 13	16 0 0'31	4 ₾ 28	279520	20 m 50	21 m 40	16 ₽ 56	16 궁 55	16 8 31	28≈ 5	5 ⋜ 44	26 8 45	26 8 26	6M) 7	5 ≈ 36	S 31

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S 3 M 4	22 7 21 59	5 51 4 0 34 4		15 46 15 41	4 6 4 17			10 54 10 40	0 59 0 59	4 10 4 13	1 15 1 15		-	16 18 16 19	-	12 34 12 35	0 40 0 40		2 15 2 15		19 45 19 44	-	-	7 20 7 20
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S 10 M11	20 51	26 27 3	3 19	15 51 15 59	4 55		1 33 1 32	9 14 9 0	0 55 0 54	4 31	1 14	22 14 22 14	0 1 0 1	16 22 16 22	0 21	12 37 12 38	0 40 0 40	21 7		19 59	19 40 19 39	14 52	11 32	7 21 7 21
T 12 W13 T 14	20 39 20 28 20 16	22 32 4	4 47	16 8 16 18 16 29	4 54 4 51 4 47	13 9	1 31 1 30 1 28	8 45 8 31 8 16	0 54 0 53 0 52	4 34 4 37 4 40	1 13 1 13 1 13	-	-	16 23 16 23 16 23	0 21	12 38 12 39 12 39	0 40 0 40 0 40	21 8	2 14	19 56	19 38 19 38 19 37	14 47	11 33	7 21 7 21 7 21
F 15 S 16	20 4 19 51			16 42 16 55	4 40 4 33		1 27 1 26	8 1 7 46	0 52 0 51	4 43 4 46		22 17 22 18		16 24 16 24			0 40 0 40	-			19 36 19 36			7 21 7 21
S 17 M18 T 19	-	6n14 2 12 2 1	2 56 1 52	17 9 17 24 17 39	4 23 4 12 4 1	10 52 10 24	1 24 1 23 1 21	7 31 7 16 7 1	0 51 0 50 0 49	4 49 4 52 4 55	1 12 1 12	22 20	$\begin{array}{cc} 0 & 0 \\ 0 & 0 \end{array}$	16 25	0 22 0 22	12 41 12 42	0 40 0 40 0 40	21 9 21 9	2 13 2 13	19 49 19 49	19 35 19 34 19 33	14 34 14 31	11 37 11 38	7 21 7 21
W20 T 21 F 22	18 43 18 29	21 15 0 24 16 1	0n26 1 32	17 54 18 8 18 23	3 33 3 19	9 56 9 27 8 58	1 19 1 17 1 16	6 46 6 31 6 16	0 49 0 48 0 47	4 58 5 2 5 5	1 11 1 11	22 21	0 0 0s 0	16 26 16 26 16 26	0 22 0 22	12 43 12 43		21 9 21 10	2 13 2 13	19 49 19 49	19 33 19 32 19 31	14 26 14 24	11 40 11 40	7 21 7 21 7 21
S 23 S 24		26 28 3	3 25	18 37 18 51	3 3 2 47	8 29 8 0	1 14	6 1 5 46	0 47	-	1 11	22 22 22 23	0 0	16 27 16 27	0 22	12 44 12 45	0 41	21 10 21 10	2 13	19 47	19 30 19 30	14 18	11 42	
M25 T 26 W27	17 43 17 28 17 12	23 33 4	4 37 4 55	19 4 19 16 19 27	2 31 2 14 1 58	7 30 7 0 6 31	1 10 1 7 1 5	5 30 5 15 4 59	0 46 0 45 0 44	5 15 5 18 5 22	1 10 1 10	22 23 22 24 22 24	$ \begin{array}{ccc} 0 & 0 \\ 0 & 0 \\ 0 & 0 \end{array} $		0 22 0 22	12 46 12 46	0 41	21 10 21 10 21 11	2 12 2 12	19 42 19 39	19 29 19 28 19 27	14 13 14 10	11 44 11 45	7 21 7 21 7 21
T 28 F 29 S 30	16 55 16 39 16 22		4 52	19 36 19 44 19 50	1 41 1 24 1 8	6 0 5 30 5 0	1 3 1 0 0 58	4 44 4 28 4 13	0 44 0 43 0 42	5 26 5 29 5 33	1 10	22 25 22 26 22 26	0 1 0 1 0 1	16 28 16 28 16 28	0 22	12 47 12 47 12 48	0 41	21 11 21 11 21 11	2 12	19 33	19 27 19 26 19 25	14 5	11 46 11 46 11 47	7 20 7 20 7 20
S 31		, -		19n54		4n29	0n55	3n57				22 s27		16n29		12 s48		21 s11			19n25			

Julian Day Number = 2276053.5, Delta T = 248.30 sec

Ecliptic obliquity = $23^{\circ}30'11$, Nutation = - $0^{\circ}00'13$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°02'09, Lahiri = 17°09'09 Julian Calendar 1 July 1519 == Greg. Calendar 11 July 1519

AUGUST 1519 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)Å(并	Р	n	S	Ç	ę,	Day
M 1	21 13 9	16 Ω 58'13	16 ≏ 24	289526	22 Mg 2	22 m 18	17 ♀ 5	16°R51	16 8 32	28°R 3	5°R43	26°R39	26 8 23	6 M)14	5°R33	M 1
T 2	21 17 6	17°55'56	28°29	29°39	23°13	22°56	17°15	16 පි 48	16°33	28≈ 2	5 국 42	26 8 35	26°20	6°21	5≈29	T 2
W 3	21 21 2	18°53'40	10 M .46	0 Ω 58	24°25	23°34	17°24	16°44	16°33	28° 0	5°41	26°34	26°17	6°28	5°26	W 3
T 4	21 24 59	19°51'25	23°20	2°21	25°36	24°13	17°33	16°41	16°34	27°59	5°40	26°34	26°13	6°34	5°23	T 4
F 5	21 28 55	20°49'11	6 ₹ 18	3°50	26°47	24°51	17°43	16°38	16°34	27°57	5°39	26°34	26°10	6°41	5°20	F 5
S 6	21 32 52	21°46'59	19°41	5°24	27°58	25°29	17°53	16°35	16°35	27°55	5°38	26°33	26° 7	6°48	5°17	S 6
S 7	21 36 49	22°44'48	3 ⋜ 34	7° 2	29°10	26° 8	18° 2	16°31	16°35	27°54	5°37	26°29	26° 4	6°54	5°14	S 7
M 8	21 40 45	23°42'38	17°57	8°44	0 ჲ 21	26°46	18°12	16°28	16°35	27°52	5°36	26°23	26° 1	7° 1	5°11	M 8
T 9	21 44 42	24°40'29	2≈47	10°29	1°32	27°25	18°22	16°25	16°36	27°50	5°35	26°15	25°58	7° 8	5° 7	T 9
W10	21 48 38	25°38'21	17°56	12°17	2°43	28° 3	18°32	16°22	16°36	27°49	5°34	26° 4	25°54	7°15	5° 4	W10
T 11	21 52 35	26°36'16	3 ∺ 15	14° 8	3°54	28°42	18°42	16°20	16°36	27°47	5°34	25°53	25°51	7°21	5° 1	T 11
F 12	21 56 31	27°34'11	18°32	16° 0	5° 4	29°21	18°53	16°17	16°36	27°45	5°33	25°43	25°48	7°28	4°59	F 12
S 13	22 0 28	28°32'08	3 Ƴ 37	17°55	6°15	29°59	19° 3	16°14	16°R36	27°44	5°32	25°35	25°45	7°35	4°56	S 13
S 14	22 4 24	29°30'08	18°20	19°50	7°26	0 ჲ 38	19°13	16°11	16°36	27°42	5°31	25°29	25°42	7°41	4°53	S 14
M15	22 8 21	0 Mp 28'09	2 8 37	21°47	8°37	1°17	19°24	16° 9	16°36	27°41	5°31	25°25	25°38	7°48	4°50	M15
T 16	22 12 18	1°26'12	16°26	23°44	9°47	1°56	19°34	16° 6	16°36	27°39	5°30	25°24	25°35	7°55	4°47	T 16
W17	22 16 14	2°24'17	29°49	25°42	10°58	2°35	19°45	16° 4	16°36	27°37	5°29	25°24	25°32	8° 2	4°44	W17
T 18	22 20 11	3°22'24	12 ∏ 47	27°39	12° 8	3°14	19°56	16° 2	16°36	27°36	5°29	25°24	25°29	8° 8	4°41	T 18
F 19	22 24 7	4°20'33	25°26	29°36	13°19	3°53	20° 7	16° 0	16°35	27°34	5°28	25°22	25°26	8°15	4°39	F 19
S 20	22 28 4	5°18'44	79549	1 m 33	14°29	4°32	20°17	15°57	16°35	27°32	5°27	25°19	25°23	8°22	4°36	S 20
S 21	22 32 0	6°16'57	20° 1	3°29	15°40	5°11	20°28	15°55	16°35	27°31	5°27	25°12	25°19	8°29	4°33	S 21
M22	22 35 57	7°15'12	2 N 4	5°25	16°50	5°50	20°39	15°53	16°34	27°29	5°26	25° 3	25°16	8°35	4°31	M22
T 23	22 39 53	8°13'29	14° 1	7°20	18° 0	6°30	20°51	15°52	16°34	27°28	5°26	24°51	25°13	8°42	4°28	T 23
W24	22 43 50	9°11'48	25°55	9°14	19°10	7° 9	21° 2	15°50	16°33	27°26	5°25	24°38	25°10	8°49	4°26	W24
T 25	22 47 47	10°10'09	7 m 47	11° 7	20°20	7°48	21°13	15°48	16°33	27°24	5°25	24°24	25° 7	8°55	4°23	T 25
F 26	22 51 43	11° 8'31	19°39	12°59	21°30	8°28	21°24	15°47	16°32	27°23	5°25	24°11	25° 4	9° 2	4°21	F 26
S 27	22 55 40	12° 6'56	1 ≏ 32	14°50	22°40	9° 7	21°36	15°45	16°31	27°21	5°24	24° 0	25° 0	9° 9	4°18	S 27
S 28	22 59 36	13° 5'22	13°27	16°40	23°50	9°47	21°47	15°44	16°31	27°20	5°24	23°51	24°57	9°16	4°16	S 28
M29	23 3 33	14° 3'50	25°27	18°29	25° 0	10°27	21°59	15°42	16°30	27°18	5°23	23°45	24°54	9°22	4°14	M29
T 30	23 7 29	15° 2'19	7 M .35	20°17	26°10	11° 6	22°10	15°41	16°29	27°16	5°23	23°41	24°51	9°29	4°12	T 30
W31	23 11 26	16Mp 0'51	19 M .54	22 Mp 4	27 ≏ 19	11 ≏ 46	22 <u>~</u> 22	15 る 40	16 8 28	27≈15	5 七 23	23°D40	24848	9 m 36	4≈10	W31

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M 1	15n47		-	19n56	0s37	3n59	0n53	3n42	0n41	5 s40		22 s27		16n29				21 s11				13n57		7n20
T 2	15 30	-	-	19 55	0 22	3 28	0 50	3 26	0 41	5 44	1 9		0 1	16 29	-			21 12				13 55		7 20
W 3	-		-	19 53	0 7	2 57	0 48	3 10	0 40	5 48	1 9	_	0 1	16 29	-	12 50	0 41	21 12				13 52	-	7 20
T 4				19 47	0n 6	2 26	0 45	2 54	0 39	5 51	1 8		0 1	16 29	-		0 41	21 12				13 49	-	7 20
F 5				19 39	0 19	1 55	0 42	2 39	0 39	5 55	1 8		0 1	16 29	-		0 41	21 12				13 47		7 19
S 6	14 17	25 5 1	1 59	19 29	0 31	1 24	0 39	2 23	0 38	5 59	1 8	22 30	0 1	16 29	0 22	12 52	0 41	21 12	2 11	19 26	19 20	13 44	11 54	7 19
S 7	13 58	26 29 3	3 2	19 15	0 43	0 53	0 36	2 7	0 37	6 3	1 8	22 30	0 1	16 29	0 22	12 52	0 41	21 13	2 11	19 25	19 19	13 41	11 54	7 19
M 8	13 39	26 11 3	3 56	18 59	0 53	0 22	0 33	1 51	0 37	6 7	1 8	22 31	0 2	16 30	0 22	12 53	0 41	21 13	2 10	19 24	19 19	13 38	11 55	7 19
T 9	13 20			18 40	1 3	0s 9	0 30	1 35	0 36	6 11	1 8	_	0 2	16 30	-	12 54	0 41	21 13		-		13 36		7 19
W10		20 12 4	1 57	18 18	1 11	0 40	0 27	1 19	0 36	6 15	1 7		0 2	16 30		12 54	0 41	21 13				13 33		7 18
T 11				17 53	1 19	1 12	0 23	1 3	0 35	6 19	1 7	_	0 2			12 55		21 13				13 30		7 18
F 12	12 21			17 26	1 25	1 43	0 20	0 47	0 34	6 23	1 7		0 2		-			21 14		19 14				7 18
S 13	12 1	2 11 3	3 57	16 57	1 31	2 14	0 17	0 31	0 34	6 27	1 7	22 33	0 2	16 30	0 22	12 56	0 41	21 14	2 10	19 12	19 15	13 25	12 0	7 18
S 14	11 41	4n24 3	-	16 25	1 36	2 45	0 14	0 15	0 33	6 31	1 7		0 2	16 30		12 57		21 14	2 9			13 22		7 17
M15				15 51	1 40	3 16	0 10	0 s 1	0 32	6 35	1 7		0 2		-				2 9	17 10				7 17
T 16	11 0			15 16	1 43	3 47	0 7	0 17	0 32	6 39	1 6	_	0 2		-				2 9	17 10				7 17
W17			-	14 38	1 45	4 18	0 3	0 33	0 31	6 43	1 6	_	0 2		-			21 14	2 9	17 10				7 17
T 18			-	13 59	1 46	4 49	0s 0	0 49	0 31	6 48	1 6		0 2		-	12 59	0 41	21 15	2 9			13 11	-	7 16
F 19				13 19	1 47	5 20	0 4	1 5	0 30	6 52	1 6		0 2				0 41	21 15	2 9			-	12 5	7 16
S 20	9 35	26 40 3	3 24	12 37	1 47	5 51	0 8	1 21	0 29	6 56	1 6	22 35	0 3	16 29	0 22	13 0	0 41	21 15	2 9	19 9	19 9	13 6	12 6	7 16
S 21	9 14	26 4 4	1 6	11 54	1 46	6 21	0 11	1 38	0 29	7 0	1 6	22 36	0 3	16 29	0 22	13 1	0 41	21 15	2 8	19 7	19 9	13 3	12 7	7 15
M22	8 52	24 15 4	1 37	11 11	1 45	6 52	0 15	1 54	0 28	7 5	1 5	22 36	0 3	16 29	0 22	13 1	0 41	21 15	2 8	19 5	19 8	13 0	12 8	7 15
T 23	8 30	21 22 4	1 55	10 26	1 43	7 22	0 19	2 10	0 27	7 9	1 5	22 36	0 3	16 29	0 22	13 2	0 41	21 16	2 8	19 2	19 7	12 58	12 9	7 15
W24		17 37 5		9 41	1 41	7 52	0 23	2 26	0 27	7 13	1 5		0 3					21 16		18 59			12 10	7 14
T 25		13 11 4	-	8 55	1 38	8 22	0 26	2 42	0 26	7 18	1 5		0 3		-		-	21 16				_		7 14
F 26	7 24	8 16 4	-	8 9	1 34	8 52	0 30	2 58	0 26	7 22	1 5		0 3					21 16	2 8				12 12	7 14
S 27	7 2	3 3 3	3 59	7 23	1 31	9 22	0 34	3 15	0 25	7 26	1 5	22 37	0 3	16 28	0 22	13 4	0 41	21 16	2 7	18 49	19 4	12 47	12 13	7 13
S 28	6 40	2s19 3	3 16	6 36	1 26	9 52	0 38	3 31	0 24	7 31	1 5	22 38	0 3	16 28	0 22	13 4	0 41	21 16	2 7	18 47	19 3	12 44	12 14	7 13
M29	6 17	7 38 2	2 24	5 49	1 22	10 21	0 42	3 47	0 24	7 35	1 4	22 38	0 3	16 28	0 22	13 5	0 41	21 17	2 7	18 46	19 3	12 41	12 14	7 13
T 30	5 55	12 45 1	1 24	5 2	1 17	10 50	0 46	4 3	0 23	7 40	1 4	22 38	0 3	16 28	0 22	13 6	0 41	21 17	2 7	18 45	19 2	12 38	12 15	7 12
W31	5n32	17 s26 0)n20	4n15	1n12	11s19	0s50	4s19	0n22	7 s44	1n 4	22 s38	0s 3	16n27	0 s22	13 s 6	0s41	21 s17	2n 7	18n44	19n 1	12n36	12s16	7n12

Julian Day Number = 2276084.5, Delta T = 248.11 sec

Ecliptic obliquity = $23^{\circ}30'11$, Nutation = $-0^{\circ}00'13$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°02'13, Lahiri = 17°09'13 Julian Calendar 1 Aug. 1519 == Greg. Calendar 11 Aug. 1519

SEPTEMBER 1519 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ)Å(并	Р	n	U	Ç	ę,	Day
T 1	23 15 22	16 m 59'24	2 ₹ 29	23 m 49	28 2 29	12 ≏ 26	22 _3 4	15°R39	16°R27	27°R13	5°R23	23840	24844	9 m 42	4°R 7	T 1
F 2	23 19 19	17°57'59	15°23	25°34	29°38	13° 6	22°45	15 る 38	16 8 27	27≈12	5 云 22	23°R41	24°41	9°49	4≈ 5	F 2
S 3	23 23 16	18°56'35	28°40	27°18	0 M .48	13°45	22°57	15°37	16°26	27°10	5°22	23°40	24°38	9°56	4° 3	S 3
S 4	23 27 12	19°55'13	12 云 25	29° 0	1°57	14°25	23° 9	15°36	16°25	27° 9	5°22	23°38	24°35	10° 3	4° 1	S 4
M 5	23 31 9	20°53'53	26°37	0 ჲ 42	3° 6	15° 5	23°21	15°36	16°23	27° 7	5°22	23°34	24°32	10° 9	4° 0	M 5
T 6	23 35 5	21°52'35	11≈16	2°22	4°15	15°45	23°33	15°35	16°22	27° 6	5°22	23°27	24°29	10°16	3°58	T 6
W 7	23 39 2	22°51'18	26°18	4° 2	5°24	16°26	23°45	15°35	16°21	27° 4	5°22	23°19	24°25	10°23	3°56	W 7
T 8	23 42 58	23°50'03	11) 32	5°40	6°33	17° 6	23°57	15°34	16°20	27° 3	5°D22	23°10	24°22	10°29	3°54	T 8
F 9	23 46 55	24°48'50	26°50	7°18	7°42	17°46	24° 9	15°34	16°19	27° 2	5°22	23° 1	24°19	10°36	3°53	F 9
S 10	23 50 51	25°47'39	12 ° 0	8°55	8°51	18°26	24°22	15°34	16°17	27° 0	5°22	22°54	24°16	10°43	3°51	S 10
S 11	23 54 48	26°46'30	26°51	10°30	9°59	19° 6	24°34	15°D34	16°16	26°59	5°22	22°49	24°13	10°50	3°49	S 11
M12	23 58 45	27°45'23	11818	12° 5	11° 8	19°47	24°46	15°34	16°15	26°57	5°22	22°47	24°10	10°56	3°48	M12
T 13	0 241	28°44'19	25°16	13°39	12°16	20°27	24°59	15°34	16°13	26°56	5°22	22°D46	24° 6	11° 3	3°47	T 13
W14	0 638	29°43'17	8 Ⅱ 46	15°12	13°24	21° 8	25°11	15°34	16°12	26°55	5°22	22°47	24° 3	11°10	3°45	W14
T 15	0 10 34	0 ≏ 42'18	21°49	16°45	14°32	21°48	25°23	15°35	16°10	26°54	5°23	22°48	24° 0	11°16	3°44	T 15
F 16	0 14 31	1°41'20	4930	18°16	15°41	22°29	25°36	15°35	16° 9	26°52	5°23	22°R48	23°57	11°23	3°43	F 16
S 17	0 18 27	2°40'25	16°52	19°47	16°48	23°10	25°48	15°36	16° 7	26°51	5°23	22°47	23°54	11°30	3°42	S 17
S 18	0 22 24	3°39'33	29° 1	21°16	17°56	23°50	26° 1	15°36	16° 6	26°50	5°23	22°44	23°50	11°37	3°41	S 18
M19	0 26 20	4°38'42	11 0 0	22°45	19° 4	24°31	26°14	15°37	16° 4	26°49	5°24	22°38	23°47	11°43	3°39	M19
T 20	0 30 17	5°37'54	22°54	24°13	20°11	25°12	26°26	15°38	16° 2	26°47	5°24	22°31	23°44	11°50	3°39	T 20
W21	0 34 14	6°37'08	4 Mp 46	25°40	21°19	25°53	26°39	15°39	16° 0	26°46	5°24	22°23	23°41	11°57	3°38	W21
T 22	0 38 10	7°36'25	16°37	27° 6	22°26	26°34	26°52	15°40	15°59	26°45	5°25	22°14	23°38	12° 3	3°37	T 22
F 23	0 42 7	8°35'43	28°31	28°32	23°33	27°15	27° 4	15°41	15°57	26°44	5°25	22° 5	23°35	12°10	3°36	F 23
S 24	0 46 3	9°35'03	10 ≏ 29	29°56	24°40	27°56	27°17	15°42	15°55	26°43	5°26	21°58	23°31	12°17	3°35	S 24
S 25	0 50 0	10°34'26	22°32	1 M 20	25°47	28°37	27°30	15°44	15°53	26°42	5°26	21°52	23°28	12°24	3°35	S 25
M26	0 53 56	11°33'51	4 M .43	2°42	26°54	29°18	27°43	15°45	15°51	26°41	5°27	21°49	23°25	12°30	3°34	M26
T 27	0 57 53	12°33'17	17° 2	4° 3	28° 0	29°59	27°56	15°47	15°49	26°40	5°27	21°D47	23°22	12°37	3°34	T 27
W28	1 1 49	13°32'46	29°31	5°24	29° 7	0 M .41	28° 8	15°48	15°47	26°39	5°28	21°47	23°19	12°44	3°33	W28
T 29	1 5 46	14°32'16	12 × 14	6°43	0 ∡ 13	1°22	28°21	1 <u>5</u> °50	15°45	26°38	<u>5°28</u>	21°49	23°15	12°50	3°33	T 29
F 30	1 9 42	15 ≏ 31'49	25 × 13	8 M . 1	1 √ 19	2 m 3	28 ♀ 34	15 る 52	15 8 43	26≈37	5 云 29	21850	23812	12 m 57	3≈33	F 30

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F 2	4 46	24 34 1 :	53 2 42	1 1 12 17	0 58	4 51	0 21	7 53	1 4	22 39	0 4	16 27	0 22	13 7	0 41	21 17 2 6	18 45	18 59	12 30	12 18 7	7 11
S 3	4 23	26 25 2 :	55 1 55	0 55 12 45	1 2	5 8	0 21	7 58	1 4	22 39	0 4	16 27	0 22	13 8	0 41	21 17 2 6	18 44	18 59	12 27	12 19 7	7 11
S 4	4 0	26 44 3	1 8	0 48 13 13	1 6	5 24	0 20	8 2	1 4	22 39	0 4	16 26	0 22	13 8	0 41	21 18 2 6	18 44	18 58	12 25	12 19 7	7 10
M 5	3 37	25 19 4	31 0 22	0 42 13 40	1 10	5 40	0 19	8 7	1 4	22 39	0 4	16 26	0 22	13 9	0 41	21 18 2 6	18 43	18 57	12 22	12 20 7	7 10
T 6	3 14	22 12 4 :	57 0 s24	0 36 14 8	1 14	5 56	0 19	8 11	1 3	22 39	0 4	16 26	0 22	13 9	0 41	21 18 2 6	18 41	18 56	12 19	12 21 7	7 9
W 7	2 51	17 32 5	4 1 10	0 29 14 35	1 18	6 12	0 18	8 16	1 3	22 39	0 4	16 25	0 22	13 10	0 41	21 18 2 6	18 39	18 56	12 16	12 22 7	7 9
T 8	2 27	11 42 4	1 55	0 22 15 2	1 22	6 28	0 18	8 20	1 3	22 39	0 4	16 25	0 22	13 10	0 41	21 18 2 5	18 37	18 55	12 13	12 23 7	7 9
F 9	2 4	5 8 4	13 2 40	0 15 15 28	1 26	6 44	0 17	8 25	1 3	22 40	0 4	16 25	0 22	13 11	0 41	21 18 2 5	18 35	18 54	12 11	12 24 7	7 8
S 10	1 41	1n41 3 2	20 3 25	0 8 15 54	1 30	7 0	0 16	8 30	1 3	22 40	0 4	16 24	0 22	13 11	0 41	21 19 2 5	18 33	18 53	12 8	12 24 7	7 8
S 11	1 17	8 18 2	14 4 9	0 1 16 20	1 34	7 16	0 16	8 34	1 3	22 40	0 4	16 24	0 22	13 12	0 41	21 19 2 5	18 32	18 52	12 5	12 25 7	7 7
M12	0 54	14 17 1	1 4 53	0s 6 16 46	1 38	7 31	0 15	8 39	1 3	22 40	0 4	16 23	0 22	13 12	0 41	21 19 2 5	18 31	18 52	12 2	12 26	7 7
T 13	0 30	19 21 0n	13 5 36	0 13 17 11	1 42	7 47	0 14	8 43	1 3	22 40	0 4	16 23	0 22	13 13	0 41	21 19 2 5	18 31	18 51	11 59	12 27	7 6
W14	0 7	23 13 1 2	25 6 19	0 20 17 35	1 46	8 3	0 14	8 48	1 3	22 40	0 4	16 23	0 22	13 13	0 41	21 19 2 4	18 31	18 50	11 57	12 27	7 6
T 15	0s17	25 44 2	30 7 1	0 28 18 0	1 50	8 19	0 13	8 53	1 2	22 40	0 5	16 22	0 22	13 13	0 41	21 19 2 4	18 31	18 49	11 54	12 28 7	7 6
F 16	0 40	26 50 3	25 7 43	0 35 18 24	1 54	8 35	0 13	8 57	1 2	22 40	0 5	16 22	0 22	13 14	0 41	21 20 2 4	18 31	18 49	11 51	12 29 7	7 5
S 17	1 4	26 33 4	9 8 24	0 42 18 47	1 58	8 50	0 12	9 2	1 2	22 40	0 5	16 21	0 22	13 14	0 41	21 20 2 4	18 31	18 48	11 48	12 30	7 5
S 18	1 27	25 0 4	42 9 5	0 49 19 10	2 2	9 6	0 11	9 7	1 2	22 40	0 5	16 21	0 22	13 15	0 41	21 20 2 4	18 30	18 47	11 45	12 30 7	7 4
M19	1 51	22 20 5	1 9 45	0 57 19 33	2 6	9 22	0 11	9 11	1 2	22 40	0 5	16 20	0 22	13 15	0 41	21 20 2 4	18 29	18 46	11 42	12 31 7	7 4
T 20	2 15	18 45 5	7 10 24	1 4 19 55	2 9	9 37	0 10	9 16	1 2	22 40	0 5	16 20	0 22	13 16	0 41	21 20 2 3	18 27	18 45	11 40	12 32 7	7 3
W21	2 38	14 26 5	0 11 3	1 11 20 17	- 1		0 9	9 21	1 2			16 19		13 16	0 41	21 20 2 3			11 37		7 3
T 22	3 2	9 36 4	40 11 41	1 18 20 38	2 17 1	0 8	0 9	9 25	1 2	22 40		16 19		13 16	0 41	21 20 2 3			11 34		7 2
F 23	3 25	4 23 4	8 12 18	1 25 20 59	2 21 1	0 23	0 8	9 30	1 2	22 40	0 5	16 18	0 22	13 17	0 41	21 21 2 3	18 20	18 43	11 31	12 34 7	7 2
S 24	3 48	1s 1 3 2	25 12 55	1 32 21 19	2 24 1	0 39	0 8	9 35	1 2	22 40	0 5	16 18	0 22	13 17	0 41	21 21 2 3	18 18	18 42	11 28	12 34 7	7 1
S 25	4 12	6 27 2 3	32 13 30	1 39 21 39	2 28 1	0 54	0 7	9 39	1 2	22 40	0 5	16 17	0 22	13 17	0 41	21 21 2 3	18 17	18 41	11 25	12 35	7 1
M26	4 35	11 41 1 3	31 14 5	1 45 21 58	2 32 1	1 9	0 6	9 44	1 1	22 40	0 5	16 17	0 22	13 18	0 41	21 21 2 3	18 16	18 41	11 22	12 35	7 0
T 27	4 58	16 33 0 2	26 14 39	1 52 22 17	2 35 1	1 24	0 6	9 49	1 1	22 39	0 5	16 16	0 22	13 18	0 41	21 21 2 2			11 20		7 0
W28	5 22	20 47 0 s	42 15 13	1 58 22 36	2 39 1	1 40	0 5	9 53	1 1	22 39	0 5	16 15	0 22	13 18	0 41	21 21 2 2			11 17		6 59
T 29	5 45		.,	2 4 22 53			0 5	9 58	1 1	22 39	0 6	16 15		13 19		21 21 2 2			11 14		6 59
F 30	6s 8	26 s 17 2 s	52 16s16	2s10 23s11	2 s 4 5 1	2s 9	0n 4	10s 3	1n 1	22 s39	0s 6	16n14	0 s22	13 s 19	0 s41	21 s22 2n 2	18n16	18n37	11n11	12 s 38	6n58

Julian Day Number = 2276115.5, Delta T = 247.92 sec

Ecliptic obliquity = 23°30'12, Nutation = -0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 18°02'17, Lahiri = 17°09'18 Julian Calendar 1 Sept. 1519 == Greg. Calendar 11 Sept. 1519

OCTOBER 1519 JC 00:00 UT

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S 2	1 17 36	17°30'59	22° 9	10°33	3°31	3°26	29° 0	15°56	15 8 39	26≈35	5°30	21°R52	23° 6	13°11	3≈32	S 2
M 3	1 21 32	18°30'36	6≈ 9	11°47	4°36	4° 8	29°13	15°58	15°37	26°34	5°31	21°50	23° 3	13°17	3°D32	M 3
T 4	1 25 29	19°30'15	20°32	12°59	5°41	4°49	29°26	16° 0	15°35	26°33	5°32	21°48	23° 0	13°24	3°32	T 4
W 5	1 29 25	20°29'56	5) 13	14°10	6°47	5°31	29°39	16° 2	15°33	26°32	5°33	21°44	22°56	13°31	3°32	W 5
T 6	1 33 22	21°29'39	20° 8	15°18	7°51	6°13	29°52	16° 5	15°30	26°32	5°33	21°39	22°53	13°37	3°32	T 6
F 7	1 37 18	22°29'23	5 Υ 9	16°25	8°56	6°55	0 M 6	16° 7	15°28	26°31	5°34	21°35	22°50	13°44	3°33	F 7
S 8	1 41 15	23°29'10	20° 6	17°29	10° 0	7°36	0°19	16°10	15°26	26°30	5°35	21°32	22°47	13°51	3°33	S 8
S 9	1 45 11	24°28'58	4 8 51	18°31	11° 5	8°18	0°32	16°12	15°24	26°29	5°36	21°29	22°44	13°58	3°33	S 9
M10	1 49 8	25°28'49	19°18	19°30	12° 9	9° 0	0°45	16°15	15°21	26°29	5°37	21°D29	22°41	14° 4	3°34	M10
T 11	1 53 5	26°28'41	3Ⅱ20	20°26	13°12	9°42	0°58	16°18	15°19	26°28	5°38	21°29	22°37	14°11	3°34	T 11
W12	1 57 1	27°28'36	16°55	21°18	14°16	10°24	1°11	16°21	15°17	26°27	5°39	21°30	22°34	14°18	3°35	W12
T 13	2 0 58	28°28'33	099 5	22° 7	15°19	11° 6	1°24	16°24	15°14	26°27	5°40	21°32	22°31	14°24	3°35	T 13
F 14	2 4 54	29°28'32 0M28'33	12°52 25°18	22°51 23°31	16°22 17°24	11°49	1°37	16°27 16°30	15°12 15°10	26°26 26°26	5°41	21°33 21°R34	22°28 22°25	14°31 14°38	3°36 3°37	F 14 S 15
S 15	2 8 51					12°31	1°51				5°42			14-38		
S 16	2 12 47	1°28'37	7Ω 29	24° 6	18°27	13°13	2° 4	16°34	15° 7	26°25	5°43	21°34	22°21	14°45	3°38	S 16
M17	2 16 44	2°28'43	19°29	24°35	19°29	13°55	2°17	16°37	15° 5	26°25	5°44	21°33	22°18	14°51	3°39	M17
T 18	2 20 40	3°28'50	1 m 22	24°57	20°30	14°38	2°30	16°40	15° 2	26°24	5°46	21°31	22°15	14°58	3°40	T 18
W19	2 24 37	4°29'00	13°13	25°12	21°32	15°20	2°43	16°44	15° 0	26°24	5°47	21°29	22°12	15° 5	3°41	W19
T 20 F 21	2 28 34	5°29'12 6°29'25	25° 6 7 ♀ 4	25°R20 25°20	22°33 23°33	16° 3 16°45	2°56 3° 9	16°48 16°51	14°57 14°55	26°24 26°23	5°48 5°49	21°26 21°24	22° 9 22° 6	15°11 15°18	3°42 3°43	T 20 F 21
S 22	2 32 30 2 36 27	7°29'41	19° 8	25°20 25°10	23°33 24°34	16°45 17°28	3° 9	16°51 16°55	14°55 14°52	26°23	5°49 5°50	21°24 21°22	22° 6 22° 2	15°18 15°25	3°43 3°44	S 22
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S 23	2 40 23	8°29'58	1 m 22	24°51	25°33	18°11	3°36	16°59	14°50	26°23	5°52	21°20	21°59	15°32	3°45	S 23
M24	2 44 20	9°30'18	13°47	24°22	26°33	18°53	3°49	17° 3	14°47	26°23	5°53	21°19	21°56	15°38	3°47	M24
T 25	2 48 16	10°30'39	26°23	23°44	27°32	19°36	4° 2	17° 7	14°45	26°23	5°54	21°D19	21°53	15°45	3°48	T 25
W26	2 52 13	11°31'02	9 × 12	22°55	28°31	20°19	4°15	17°11	14°43	26°22	5°56	21°20	21°50	15°52	3°50	W26
T 27 F 28	2 56 9 3 0 6	12°31'26 13°31'52	22°14 5 ♂ 29	21°57 20°51	29°29 0 る 27	21° 2 21°45	4°28 4°41	17°15 17°20	14°40 14°38	26°22 26°22	5°57 5°59	21°21 21°21	21°47 21°43	15°58 16° 5	3°51 3°53	T 27 F 28
S 29	3 0 6 3 4 3	13°31'52 14°32'20	18°58	19°38	1°24	21°45 22°28	4°41 4°55	17°20	14°38 14°35	26°22 26°22	5°59	21°21 21°22	21°43 21°40	16° 5	3°53 3°55	F 28 S 29
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S 30	3 7 59	15°32'48	2≈41	18°20	2°21	23°11	5° 8	17°28	14°32	26°D22	6° 1	21°22	21°37	16°19	3°56	S 30
M31	3 11 56	16ML33'18	16≈38	16 M 59	3 궁 17	23 M 54	5 M 21	17 る 33	14830	26≈22	6 ප 3	21°R23	21834	16 m 25	3 ≈ 58	M31

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S 2	6 54	26 8 4 3	1 17 16	2 22 23 43	2 52 12 3	0 3	10 12	1 1	22 39	0 6	16 13	0 22	13 20 0	41 21 2	2 2 2	18 17	18 36	11 5	12 39	6 57
M 3	7 16	23 38 5	1 17 44	2 27 23 59	2 55 12 5	1 0 2	10 17	1 1	22 39	0 6	16 12	0 22	13 20 0	41 21 2	2 2 1	18 16	18 35	11 2	12 39	6 57
T 4	7 39	19 36 5 12	2 18 11	2 32 24 14	2 58 13	8 0 1	10 21	1 1	22 38	0 6	16 12	0 22	13 20 0	41 21 2	2 2 1	18 16	18 34	10 59	12 40	6 56
W 5	8 2	14 19 5	4 18 37	2 37 24 28			10 26	1 1	22 38	0 6	16 11	0 22		41 21 2	2 2 1		18 33			6 56
T 6	8 24			2 41 24 42				1 1	22 38		16 10			41 21 2			18 33			6 55
F 7	8 46		7 19 25	2 45 24 55		0 s 0	10 35		22 38		16 10			41 21 2			18 32			6 55
S 8	9 9	5n21 2 4	19 47	2 48 25 8	3 9 14	6 0 1	10 40	1 1	22 37	0 6	16 9	0 22	13 21 0	41 21 2	3 2 1	18 12	18 31	10 48	12 42	6 54
S 9	9 31	11 46 1 30	20 8	2 51 25 20	3 12 14 2	0 2	10 45	1 1	22 37	0 6	16 8	0 22	13 22 0	41 21 2	3 2 0	18 11	18 30	10 45	12 42	6 54
M10	9 53	17 24 0 12	2 20 26	2 54 25 31	3 15 14 3	1 0 2	10 49	1 1	22 37	0 6	16 8	0 22	13 22 0	41 21 2	3 2 0	18 11	18 29	10 42	12 42	6 53
T 11	10 15	21 56 ln :	5 20 44	2 56 25 42	3 17 14 4	3 0 3	10 54	1 0	22 37	0 6	16 7	0 22	13 22 0	41 21 2	3 2 0	18 11	18 29	10 39	12 43	6 53
W12	10 36	25 6 2 13	5 20 59	2 57 25 52	3 19 15	2 0 3	10 58	1 0	22 36	0 6	16 6	0 22	13 22 0	41 21 2	3 2 0	18 11	18 28	10 36	12 43	6 52
T 13	10 58	26 47 3 1	7 21 13	2 58 26 2	3 22 15 1	6 0 4	11 3	1 0	22 36	0 7	16 6	0 22	13 22 0	41 21 2	3 2 0	18 12	18 27	10 33	12 43	6 52
F 14	11 19	26 58 4	5 21 24	2 58 26 11	3 24 15 3	0 5	11 8	1 0	22 36	0 7	16 5	0 22	13 23 0	41 21 2	3 2 0	18 12	18 26	10 30	12 44	6 51
S 15	11 40	25 46 4 43	3 21 34	2 57 26 19	3 26 15 4	0 5	11 12	1 0	22 35	0 7	16 4	0 22	13 23 0	41 21 2	3 2 0	18 12	18 25	10 27	12 44	6 51
S 16	12 1	23 22 5	5 21 41	2 56 26 27	3 28 15 5	0 6	11 17	1 0	22 35	0 7	16 4	0 22	13 23 0	41 21 2	3 1 59	18 12	18 25	10 25	12 44	6 50
M17	12 22	20 0 5 13	5 21 45	2 53 26 34	3 30 16 1	0 7	11 21	1 0	22 35	0 7	16 3	0 22	13 23 0	41 21 2	4 1 59	18 12	18 24	10 22	12 45	6 50
T 18	12 43	15 51 5 1	1 21 47	2 49 26 40	3 31 16 2	0 7	11 26	1 0	22 34	0 7	16 2	0 22	13 23 0	41 21 2	4 1 59	18 11	18 23	10 19	12 45	6 49
W19	13 3	11 7 4 53	3 21 46	2 44 26 46	3 33 16 3	6 0 8	11 30	1 0	22 34	0 7	16 2	0 22	13 23 0	41 21 2	4 1 59	18 11	18 22	10 16	12 45	6 49
T 20	13 23	5 58 4 23	3 21 42	2 37 26 51	3 34 16 4	0 8	11 35	1 0	22 34	0 7	16 1	0 22	13 23 0	41 21 2	4 1 59	18 10	18 21	10 13	12 45	6 48
F 21	13 43	0 34 3 4	1 21 34	2 30 26 56	3 35 17	0 9	11 39	1 0	22 33	0 7	16 0	0 22	13 23 0	41 21 2	4 1 59	18 10	18 20	10 10	12 46	6 48
S 22	14 3	4 s 5 5 2 4 9	9 21 23	2 20 27 0	3 36 17 1	0 10	11 44	1 0	22 33	0 7	15 59	0 22	13 24 0	41 21 2	4 1 58	18 9	18 20	10 7	12 46	6 47
S 23	14 22	10 18 1 48	8 21 7	2 9 27 3	3 37 17 2	0 10	11 48	1 0	22 32	0 7	15 59	0 22	13 24 0	41 21 2	4 1 58	18 9	18 19	10 4	12 46	6 47
M24	14 42	15 21 0 42	2 20 48	1 57 27 6	3 38 17 4	0 11	11 53	1 0	22 32	0 7	15 58	0 22	13 24 0	41 21 2	4 1 58	18 8	18 18	10 1	12 46	6 46
T 25	15 1	19 51 0s28	8 20 25	1 43 27 8	3 39 17 5	0 11	11 57	1 0	22 32	0 7	15 57	0 22	13 24 0	41 21 2	4 1 58	18 8	18 17	9 58	12 46	6 46
W26	15 20	23 30 1 3	7 19 57	1 27 27 9	3 39 18	0 12	12 2	1 0	22 31	0 7	15 57	0 22	13 24 0	41 21 2	4 1 58	18 8	18 16	9 55	12 47	6 45
T 27	15 38	25 59 2 43	3 19 25	1 9 27 10	3 40 18 1	0 13	12 6	1 0	22 31	0 7	15 56	0 22	13 24 0	41 21 2	5 1 58	18 9	18 15	9 52	12 47	6 45
F 28	15 57	27 4 3 4	1 18 50	0 51 27 10	3 40 18 2	0 13	12 11	1 0	22 30	0 8	15 55	0 22	13 24 0	41 21 2	5 1 58	18 9	18 15	9 49	12 47	6 44
S 29	16 15	26 35 4 28	8 18 11	0 31 27 10	3 40 18 4	0 14	12 15	1 0	22 30	0 8	15 54	0 22	13 24 0	41 21 2	5 1 57	18 9	18 14	9 46	12 47	6 44
S 30	16 32	24 29 5 0	17 30	0 11 27 9	3 40 18 5	0 14	12 19	1 0	22 29	0 8	15 54	0 22	13 24 0	41 21 2	5 1 57	18 9	18 13	9 43	12 47	6 43
M31	16 s 50	20 s55 5 s10	6 16 s47	0n10 27s 7	3 s40 19 s	0s15	12 s24	1n 0	22 s29	0s 8	15n53	0 s22	13 s24 0 s	41 21 s2	5 1n57	18n 9	18n12	9n40	12 s47	6n43

Julian Day Number = 2276145.5, Delta T = 247.73 sec

Ecliptic obliquity = $23^{\circ}30'12$, Nutation = - $0^{\circ}00'14$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°02'21, Lahiri = 17°09'22 Julian Calendar 1 Oct. 1519 == Greg. Calendar 11 Oct. 1519

NOVEMBER 1519 JC 00:00 UT

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Day	Sid.t	0	D	ğ	Q.	ď	4	ħ)મ(卉	В	S.	Ω	Ç	ķ	Day
T 1	3 15 52	17 M 33'50	0) €47	15°R39	4 る 13	24 M 37	5 M .34	17 云 38	14°R27	26≈22	6 පි 4	21°R23	21831	16 m 32	4≈ 0	T 1
W 2	3 19 49	18°34'22	15° 8	14M21	5° 8	25°20	5°47	17°42	14 8 25	26°22	6° 6	21822	21°27	16°39	4° 2	W 2
T 3	3 23 45	19°34'56	29°37	13° 8	6° 3	26° 4	6° 0	17°47	14°23	26°22	6° 7	21°22	21°24	16°45	4° 4	T 3
F 4	3 27 42	20°35'31	14 Υ 10	12° 3	6°57	26°47	6°13	17°52	14°20	26°23	6° 9	21°22	21°21	16°52	4° 6	F 4
S 5	3 31 38	21°36'07	28°41	11° 7	7°51	27°30	6°26	17°57	14°18	26°23	6°11	21°D22	21°18	16°59	4° 8	S 5
S 6	3 35 35	22°36'44	138 4	10°22	8°43	28°14	6°39	18° 2	14°15	26°23	6°12	21°22	21°15	17° 6	4°11	S 6
M 7	3 39 32	23°37'23	27°15	9°48	9°35	28°57	6°52	18° 7	14°13	26°23	6°14	21°R22	21°12	17°12	4°13	M 7
T 8	3 43 28	24°38'04	11 II 9	9°26	10°27	29°41	7° 4	18°12	14°10	26°24	6°15	21°22	21° 8	17°19	4°15	T 8
W 9	3 47 25	25°38'46	24°42	9°D15	11°17	0 х 25	7°17	18°17	14° 8	26°24	6°17	21°21	21° 5	17°26	4°18	W 9
T 10	3 51 21	26°39'29	7953	9°16	12° 7	1° 8	7°30	18°22	14° 5	26°24	6°19	21°21	21° 2	17°32	4°20	T 10
F 11	3 55 18	27°40'14	20°42	9°27	12°56	1°52	7°43	18°27	14° 3	26°25	6°21	21°20	20°59	17°39	4°23	F 11
S 12	3 59 14	28°41'01	3 Ω 13	9°48	13°44	2°36	7°56	18°33	14° 0	26°25	6°22	21°19	20°56	17°46	4°25	S 12
S 13	4 3 11	29°41'49	15°27	10°17	14°31	3°19	8° 8	18°38	13°58	26°26	6°24	21°19	20°53	17°53	4°28	S 13
M14	4 7 8	0 ∡ 42'38	27°29	10°54	15°18	4° 3	8°21	18°44	13°56	26°26	6°26	21°D18	20°49	17°59	4°31	M14
T 15	4 11 4	1°43'29	9 Mp 23	11°39	16° 3	4°47	8°34	18°49	13°53	26°27	6°28	21°18	20°46	18° 6	4°33	T 15
W16	4 15 1	2°44'21	21°14	12°30	16°48	5°31	8°46	18°55	13°51	26°27	6°29	21°19	20°43	18°13	4°36	W16
T 17	4 18 57	3°45'15	3 ₾ 8	13°26	17°31	6°15	8°59	19° 0	13°49	26°28	6°31	21°20	20°40	18°19	4°39	T 17
F 18	4 22 54	4°46'10	15° 7	14°27	18°13	6°59	9°11	19° 6	13°46	26°28	6°33	21°21	20°37	18°26	4°42	F 18
S 19	4 26 50	5°47'06	27°17	15°32	18°55	7°43	9°24	19°12	13°44	26°29	6°35	21°23	20°33	18°33	4°45	S 19
S 20	4 30 47	6°48'03	9 M .40	16°41	19°35	8°28	9°36	19°18	13°42	26°30	6°37	21°24	20°30	18°39	4°48	S 20
M21	4 34 43	7°49'02	22°18	17°52	20°14	9°12	9°49	19°23	13°40	26°31	6°39	21°R24	20°27	18°46	4°51	M21
T 22	4 38 40	8°50'02	5 ₹ 14	19° 7	20°52	9°56	10° 1	19°29	13°37	26°31	6°40	21°23	20°24	18°53	4°54	T 22
W23	4 42 37	9°51'03	18°26	20°24	21°28	10°41	10°14	19°35	13°35	26°32	6°42	21°22	20°21	19° 0	4°57	W23
T 24	4 46 33	10°52'04	1 る 54	21°43	22° 3	11°25	10°26	19°41	13°33	26°33	6°44	21°19	20°18	19° 6	5° 1	T 24
F 25	4 50 30	11°53'07	15°35	23° 3	22°37	12° 9	10°38	19°47	13°31	26°34	6°46	21°16	20°14	19°13	5° 4	F 25
S 26	4 54 26	12°54'10	29°28	24°25	23° 9	12°54	10°50	19°54	13°29	26°35	6°48	21°13	20°11	19°20	5° 7	S 26
S 27	4 58 23	13°55'13	13≈29	25°49	23°39	13°38	11° 2	20° 0	13°27	26°36	6°50	21°10	20° 8	19°26	5°11	S 27
M28	5 2 19	14°56'17	27°36	27°13	24° 8	14°23	11°14	20° 6	13°25	26°37	6°52	21° 8	20° 5	19°33	5°14	M28
T 29	5 6 16	15°57'22	11) (45	28°39	24°36	15° 8	11°26	20°12	13°23	26°38	6°54	21°D 7	20° 2	19°40	5°18	T 29
W30	5 10 12	16 ₹ 58'26	25 米 55	0 ∡ 5	25 궁 1	15 ₹ 52	11 M .38	20 궁 18	13821	26≈39	6 ප 56	218 8	19 8 59	19 m)47	5≈21	W30

Day	0	D	ğ	5 9	2	o ⁷	2	+	ħ	l)į	ļ(¥		Р		R	v	Ç	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
T 1	17 s 7	16s 5 5s1	3 16s 5	0n31 27s 5	3 s 3 9 1 9 s 1 4	0s16	12 s28	1n 0	22 s28	0s 8	15n52	0 s22	13 s24 0	s41 2	21 s25	1n57	18n 9	18n11	9n37	12 s47	6n42
W 2	17 24	10 20 4 5	0 15 23	0 50 27 2	3 38 19 25	0 16	12 33	1 0	22 27	0 8	15 51	0 22	13 24 0	41 2	21 25	1 57	18 9	18 11	9 34	12 47	6 42
T 3	17 41	3 58 4	9 14 44	1 9 26 59	3 37 19 30	0 17	12 37	1 0	22 27	0 8	15 51	0 22	13 24 0	41 2	21 25	1 57	18 9	18 10	9 31	12 47	6 41
F 4	17 57	2n39 3 1	2 14 8	1 26 26 55	3 36 19 46	0 17	12 41	1 0	22 26	0 8	15 50	0 22	13 24 0	41 2	21 25	1 57	18 9	18 9	9 28	12 47	6 41
S 5	18 13	9 7 2	3 13 36	1 41 26 51	3 35 19 57	0 18	12 45	1 0	22 26	0 8	15 49	0 22	13 23 0	41 2	21 25	1 56	18 9	18 8	9 25	12 47	6 41
S 6	18 28	15 5 0 4	6 13 9	1 54 26 46	3 33 20	0 19	12 50	1 0	22 25	0 8	15 48	0 22	13 23 0	41 2	21 25	1 56	18	18 7	9 22	12 47	6 40
M 7	18 44	20 8 0n3	3 12 48	2 5 26 40	3 32 20 18	0 19	12 54	1 0	22 25	0 8	15 48	0 22	13 23 0	40 2	21 25	1 56	18 9	18 6	9 19	12 47	6 40
T 8	18 59	23 57 1 4	8 12 33	2 15 26 34	3 30 20 28	0 20	12 58	1 0	22 24	0 8	15 47	0 22	13 23 0	40 2	21 25	1 56	18 9	18 5	9 16	12 47	6 39
W 9	19 13	26 18 2 5	5 12 23	2 22 26 28	3 27 20 37	0 20	13 2	1 0	22 23	0 8	15 46	0 22	13 23 0	40 2	21 25	1 56	18 9	18 5	9 13	12 47	6 39
T 10	19 28			2 27 26 21	3 25 20 47		13 6	1 0	22 23		15 46			40 2		1 56		18 4		12 46	6 38
F 11	19 42	26 24 4 3	3 12 18	2 30 26 14	3 22 20 57	0 22	13 11	1 0	22 22	0 8	15 45	0 22	13 23 0	40 2	21 26	1 56	18 9	18 3	9 7	12 46	6 38
S 12	19 55	24 22 5	1 12 23	2 32 26 6	3 19 21 6	0 22	13 15	1 0	22 21	0 8	15 44	0 22	13 23 0	40 2	21 26	1 56	18 8	8 18 2	9 4	12 46	6 37
S 13	20 8	21 15 5 1	5 12 31	2 33 25 58	3 16 21 15	0 23	13 19	1 0	22 21	0 9	15 44	0 22	13 22 0	40 2	1 26	1 55	18 8	18 1	9 1	12 46	6 37
M14	20 21	17 18 5 1	5 12 44	2 32 25 49	3 13 21 24	0 23	13 23	1 0	22 20	0 9	15 43	0 22	13 22 0	40 2	21 26	1 55	18 8	18 0	8 58	12 46	6 37
T 15	20 34	12 43 5	1 12 59	2 30 25 40	3 9 21 33	0 24	13 27	1 0	22 19	0 9	15 42	0 22	13 22 0	40 2	1 26	1 55	18 8	18 0	8 55	12 45	6 36
W16	20 46	7 41 4 3	5 13 17	2 28 25 30	3 5 21 4	0 25	13 31	1 0	22 19	0 9	15 41	0 22	13 22 0	40 2	21 26	1 55	18 8	17 59	8 52	12 45	6 36
T 17	20 57	2 22 3 5	6 13 37	2 24 25 20	3 1 21 49	0 25	13 35	1 0	22 18	0 9	15 41	0 22	13 22 0	40 2	21 26	1 55	18 9	17 58	8 49	12 45	6 35
F 18	21 9	3 s 5 3	7 13 59	2 20 25 10	2 56 21 57	0 26	13 39	1 0	22 17	0 9	15 40	0 22	13 21 0	40 2	21 26	1 55	18 9	17 57	8 46	12 45	6 35
S 19	21 20	8 31 2	9 14 23	2 15 25 0	2 51 22 5	0 26	13 43	1 0	22 16	0 9	15 39	0 22	13 21 0	40 2	21 26	1 55	18 9	17 56	8 43	12 44	6 34
S 20	21 30	13 44 1	4 14 48	2 10 24 49	2 46 22 13	0 27	13 47	1 0	22 16	0 9	15 39	0 22	13 21 0	40 2	21 26	1 55	18	17 55	8 40	12 44	6 34
	21 40	18 29 0s	5 15 13	2 4 24 37	2 41 22 20		13 51	1 0	22 15	0 9	15 38	0 22	13 21 0	40 2	21 26	1 54	18 10	17 55	8 37	12 44	6 34
	21 50	_	6 15 40	1 58 24 26			13 55	1 0	22 14	0 9	15 37	0 22	13 20 0	40 2	21 26	1 54		17 54		12 43	6 33
	21 59	25 23 2 2	4 16 7	1 51 24 14	2 29 22 35		13 58	1 0	22 13	0 9	15 37	0 22	13 20 0	40 2	21 26	1 54	18	17 53	8 31	12 43	6 33
T 24	22 8	26 54 3 2	5 16 34	1 44 24 2	2 22 22 42	0 29	14 2	1 0	22 12	0 9	15 36	0 22	13 20 0	40 2	21 26	1 54	18 8	17 52	8 28	12 43	6 33
F 25	-	26 49 4 1		1 37 23 50	2 15 22 48			1 0			15 36			40 2		1 54		17 51		12 42	6 32
S 26	22 24	25 4 4 5	2 17 28	1 30 23 37	2 8 22 54	0 30	14 10	1 0	22 11	0 9	15 35	0 22	13 19 0	40 2	21 26	1 54	18	17 50	8 22	12 42	6 32
S 27	22 32	21 47 5 1	1 17 55	1 23 23 25	2 1 23	0 31	14 13	1 0	22 10	0 9	15 34	0 22	13 19 0	40 2	21 26	1 54	18 6	17 49	8 19	12 41	6 31
M28	22 39	17 13 5 1	2 18 22	1 15 23 12	1 53 23 6	0 31	14 17	1 0	22 9	0 10	15 34	0 22	13 18 0	40 2	21 26	1 54	18 5	17 49	8 16	12 41	6 31
T 29	22 46	11 42 4 5	4 18 48	1 8 22 59	1 45 23 12	0 32	14 21	1 0	22 8	0 10	15 33	0 22	13 18 0	40 2	1 26	1 53	18 5	17 48	8 13	12 40	6 31
W30	22 s52	5 s 3 5 4 s 1	8 19s14	1n 0 22 s45	1 s36 23 s18	0 s33	14 s24	1n 0	22 s 7	0s10	15n33	0 s22	13 s18 0	s40 2	21 s26	1n53	18n 5	17n47	8n10	12 s40	6n30

Julian Day Number = 2276176.5, Delta T = 247.54 sec

Ecliptic obliquity = 23°30'12, Nutation = -0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 18°02'26, Lahiri = 17°09'26 Julian Calendar 1 Nov. 1519 == Greg. Calendar 11 Nov. 1519

DECEMBER 1519 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)ф(¥	Р	n	v	Ç	ķ	Day
T 1	5 14 9	17 . 759'32	10 Υ 4	1 √ 32	25 궁 25	16 ∡ ³37	11 M 50	20중25	13°R19	26≈40	6 පි 58	218 9	19855	19 m 53	5≈25	T 1
F 2	5 18 6	19° 0'37	24°10	3° 0	25°47	17°22	12° 2	20°31	13 8 17	26°41	7° 0	21°10	19°52	20° 0	5°28	F 2
S 3	5 22 2	20° 1'43	8811	4°28	26° 7	18° 7	12°14	20°38	13°15	26°42	7° 2	21°12	19°49	20° 7	5°32	S 3
S 4	5 25 59	21° 2'49	22° 6	5°57	26°25	18°51	12°25	20°44	13°13	26°43	7° 4	21°R12	19°46	20°13	5°36	S 4
M 5	5 29 55	22° 3'55	5 Ⅱ 50	7°26	26°41	19°36	12°37	20°51	13°11	26°44	7° 6	21°11	19°43	20°20	5°39	M 5
T 6	5 33 52	23° 5'02	19°23	8°56	26°55	20°21	12°49	20°57	13°10	26°46	7°8	21° 9	19°39	20°27	5°43	T 6
W 7	5 37 48	24° 6'10	29542	10°26	27° 7	21° 6	13° 0	21° 4	13° 8	26°47	7°10	21° 5	19°36	20°33	5°47	W 7
T 8	5 41 45	25° 7'17	15°44	11°56	27°16	21°51	13°11	21°10	13° 6	26°48	7°12	20°59	19°33	20°40	5°51	T 8
F 9	5 45 41	26° 8'26	28°29	13°27	27°23	22°36	13°23	21°17	13° 5	26°49	7°14	20°53	19°30	20°47	5°55	F 9
S 10	5 49 38	27° 9'34	10 Ω 59	14°58	27°28	23°22	13°34	21°24	13° 3	26°51	7°16	20°46	19°27	20°54	5°59	S 10
S 11	5 53 35	28°10'44	23°13	16°29	27°R30	24° 7	13°45	21°30	13° 1	26°52	7°18	20°40	19°24	21° 0	6° 3	S 11
M12	5 57 31	29°11'53	5 m 16	18° 1	27°30	24°52	13°56	21°37	13° 0	26°54	7°20	20°36	19°20	21° 7	6° 7	M12
T 13	6 1 28	0 ප 13'03	17°10	19°33	27°28	25°37	14° 7	21°44	12°58	26°55	7°22	20°33	19°17	21°14	6°11	T 13
W14	6 5 24	1°14'13	29° 1	21° 5	27°23	26°23	14°18	21°51	12°57	26°56	7°24	20°D32	19°14	21°20	6°15	W14
T 15	6 9 21	2°15'24	10 ≏ 53	22°38	27°15	27° 8	14°29	21°57	12°56	26°58	7°27	20°32	19°11	21°27	6°19	T 15
F 16	6 13 17	3°16'35	22°51	24°11	27° 5	27°53	14°40	22° 4	12°54	26°59	7°29	20°34	19°8	21°34	6°23	F 16
S 17	6 17 14	4°17'47	5 M 1	25°44	26°53	28°39	14°51	22°11	12°53	27° 1	7°31	20°35	19° 5	21°40	6°27	S 17
S 18	6 21 10	5°18'58	17°28	27°18	26°38	29°24	15° 1	22°18	12°52	27° 3	7°33	20°R36	19° 1	21°47	6°31	S 18
M19	6 25 7	6°20'10	0 ∡ 14	28°52	26°20	0 궁 10	15°12	22°25	12°50	27° 4	7°35	20°36	18°58	21°54	6°35	M19
T 20	6 29 4	7°21'22	13°22	0 궁 26	26° 0	0°55	15°22	22°32	12°49	27° 6	7°37	20°33	18°55	22° 1	6°40	T 20
W21	6 33 0	8°22'34	26°54	2° 1	25°38	1°41	15°32	22°39	12°48	27° 7	7°39	20°28	18°52	22° 7	6°44	W21
T 22	6 36 57	9°23'47	10 궁 47	3°36	25°14	2°27	15°43	22°46	12°47	27° 9	7°41	20°22	18°49	22°14	6°48	T 22
F 23	6 40 53	10°24'58	24°57	5°11	24°48	3°13	15°53	22°53	12°46	27°11	7°43	20°13	18°45	22°21	6°53	F 23
S 24	6 44 50	11°26'10	9≈20	6°47	24°19	3°58	16° 3	23° 0	12°45	27°12	7°45	20° 5	18°42	22°27	6°57	S 24
S 25	6 48 46	12°27'21	23°49	8°24	23°49	4°44	16°13	23° 7	12°44	27°14	7°47	19°56	18°39	22°34	7° 1	S 25
M26	6 52 43	13°28'32	8): 18	10° 0	23°18	5°30	16°23	23°14	12°43	27°16	7°49	19°50	18°36	22°41	7° 6	M26
T 27	6 56 40	14°29'41	22°41	11°37	22°45	6°16	16°32	23°21	12°42	27°18	7°52	19°45	18°33	22°48	7°10	T 27
W28	7 0 36	15°30'51	6 Υ 55	13°15	22°10	7° 2	16°42	23°28	12°42	27°19	7°54	19°43	18°30	22°54	7°15	W28
T 29	7 4 33	16°31'59	20°58	14°53	21°35	7°48	16°51	23°35	12°41	27°21	7°56	19°D43	18°26	23° 1	7°19	T 29
F 30	7 8 29	17°33'07	4850	16°32	20°59	8°33	17° 1	23°42	12°40	27°23	7°58	19°44	18°23	23° 8	7°24	F 30
S 31	7 12 26	18 る 34'14	18 8 30	18 ਰ 11	20중22	9 궁 19	17 M 10	23 る 49	12840	27≈25	8 の	19°R44	18820	23 m 14	7≈28	S 31

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F 2	23 3	7 11	-		0 45			23 28		14 32		22 6		15 31		13 17		21 26			17 45		12 39	6 30
S 3	23 8	13 10	1 11	20 28	0 38	22 5	1 8	23 32	0 34	14 35	1 1	22 5	0 10	15 31	0 22	13 17	0 40	21 26	1 53	18 6	17 44	8 1	12 38	6 29
S 4		18 25		20 52		21 52		23 37		14 39		22 4		15 30	-	13 16		21 26			17 43		12 38	6 29
M 5		22 38	-	21 14		21 39		23 41		14 42		22 3		15 30		13 16		21 26	1 53		17 43		12 37	6 29
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T 13	23 30	9 20	4 38	-	0 37				0 40			21 55			-	13 13		21 26	-		17 36			6 26
W14	23 30	4 7		23 52	0 40			24 7		15 12		21 54				13 12		21 26	-		17 35			6 26
T 15	23 29	1s16	3 19	24 4	0 46	19 27	1 21	24 9	0 41	15 15	1 1	21 53	0 11	15 25	0 21	13 11	0 40	21 26	1 52	17 56	17 34	7 24	12 31	6 26
F 16	23 28	6 40	2 25	24 15	0 52	19 14	1 35	24 10	0 41	15 18	1 1	21 52	0 11	15 25	0 21	13 11	0 40	21 26	1 52	17 56	17 33	7 21	12 30	6 25
S 17	23 26	11 55	1 23	24 24	0 58	19 2	1 50	24 12	0 42	15 21	1 1	21 51	0 11	15 25	0 21	13 10	0 40	21 26	1 52	17 57	17 32	7 18	12 29	6 25
S 18	23 24	16 49	0 17	24 33	1 4	18 50	2 6	24 12	0 42	15 24	1 1	21 50	0 11	15 24	0 21	13 9	0 40	21 26	1 51	17 57	17 31	7 14	12 28	6 25
M19	23 21	21 6	0 s52	24 40	1 10	18 38	2 21	24 13	0 43	15 27	1 2	21 49	0 11	15 24	0 21	13 9	0 40	21 26	1 51	17 57	17 30	7 11	12 28	6 25
T 20		24 27		24 45	1 15			24 13		15 30			0 11	-				21 26			17 30		12 27	6 24
W21		26 31		24 49	1 20			24 13		15 33								21 26			17 29		12 26	6 24
T 22	23 10			24 52	1 25			24 13		15 36		21 46		15 23				21 26			17 28		12 25	6 24
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M26 T 27	22 49 22 43	12 58 6 51		24 50 24 45	1 42 1 46			24 10 24 8		15 47 15 50	1 2	21 41 21 40		15 22 15 22				21 26 21 26			17 24 17 23		12 22 12 21	6 23 6 23
W28	22 43	0 26		24 45 24 39	-			-		15 50		21 40		15 22	0 21 0 21			21 26	-		17 23		12 21	6 23
T 29	22 29	5n56		24 39	1 53					15 55		21 39		15 21	0 21			21 26			17 23		12 19	6 23
F 30	22 21			24 23	1 55					15 58		21 37		15 21	0 21			21 26			17 21		12 18	6 23
S 31	22 s13	17n16	0s 7	24s13	1 s58	16 s42	5n19	23 s59	0 s49	16s 0		21 s35		15n21	0s21	13 s 2	0 s40	21 s26	1n50	17n43	17n20	6n34	12s17	6n22

Julian Day Number = 2276206.5, Delta T = 247.35 sec

Ecliptic obliquity = $23^{\circ}30'12$, Nutation = $-0^{\circ}00'14$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°02'30, Lahiri = 17°09'30 Julian Calendar 1 Dec. 1519 == Greg. Calendar 11 Dec. 1519