

# Astrodienst Ephemeris Tables for the year 1580

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 1580 JC 00:00 UT

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F 1	7 18 14	20궁 1'57	7957	0≈39	24 <b>궁</b> 50	16 <b>×</b> 756	5 <b>7</b> 54	5 <b>≈</b> 36	9 <b>≈</b> 54	12°R 5	0 <b>Υ</b> 48	26°R 6	27 <b>≈</b> 48	49649	29 <b>∺</b> 8	F 1
S 2	7 22 10	21° 3'03	19°49	2°20	26° 5	17°39	6° 6	5°43	9°58	1295 4	0°48	26≈ 0	27°44	4°56	29°10	S 2
S 3	7 26 7	22° 4'07	1 <b>Ω</b> 43	4° 1	27°20	18°23	6°17	5°50	10° 1	12° 2	0°49	25°56	27°41	5° 3	29°12	S 3
M 4	7 30 3	23° 5'12	13°42	5°42	28°36	19° 6	6°28	5°57	10° 4	12° 0	0°50	25°53	27°38	5° 9	29°14	M 4
T 5	7 34 0	24° 6'15	25°47	7°22	29°51	19°49	6°39	6° 4	10°8	11°59	0°50	25°D52	27°35	5°16	29°16	T 5
W 6	7 37 57	25° 7'18	8Mp 0	9° 1	1≈ 6	20°33	6°50	6°11	10°11	11°57	0°51	25°53	27°32	5°23	29°18	W 6
T 7	7 41 53	26° 8'21	20°25	10°39	2°22	21°16	7° 1	6°18	10°15	11°55	0°52	25°54	27°29	5°29	29°20	T 7
F 8	7 45 50	27° 9'22	3 <b>₾</b> 5	12°16	3°37	22° 0	7°12	6°25	10°18	11°54	0°52	25°56	27°25	5°36	29°22	F 8
S 9	7 49 46	28°10'24	16° 2	13°51	4°52	22°43	7°23	6°32	10°21	11°52	0°53	25°58	27°22	5°43	29°24	S 9
S 10	7 53 43	29°11'25	29°21	15°25	6° 8	23°27	7°33	6°39	10°25	11°51	0°54	25°R58	27°19	5°50	29°26	S 10
M11	7 57 39	0≈12'25	13 <b>M</b> 3	16°56	7°23	24°10	7°44	6°46	10°28	11°49	0°55	25°58	27°16	5°56	29°28	M11
T 12	8 1 36	1°13'25	27°10	18°24	8°38	24°54	7°54	6°54	10°32	11°47	0°56	25°56	27°13	6° 3	29°31	T 12
W13	8 5 3 2	2°14'24	11 <b>.7</b> 40	19°48	9°54	25°38	8° 5	7° 1	10°35	11°46	0°56	25°53	27°10	6°10	29°33	W13
T 14	8 9 29	3°15'23	26°29	21° 9	11° 9	26°21	8°15	7° 8	10°39	11°44	0°57	25°50	27° 6	6°16	29°35	T 14
F 15	8 13 26	4°16'21	11 <b>る</b> 32	22°24	12°24	27° 5	8°25	7°15	10°42	11°43	0°58	25°47	27° 3	6°23	29°38	F 15
S 16	8 17 22	5°17'17	26°39	23°35	13°39	27°49	8°35	7°22	10°46	11°41	0°59	25°44	27° 0	6°30	29°40	S 16
S 17	8 21 19	6°18'13	11≈41	24°38	14°55	28°33	8°45	7°29	10°49	11°40	1° 0	25°43	26°57	6°36	29°43	S 17
M18	8 25 15	7°19'08	26°29	25°35	16°10	29°16	8°55	7°37	10°53	11°38	1° 1	25°D42	26°54	6°43	29°45	M18
T 19	8 29 12	8°20'01	10 <b>)</b> 56	26°24	17°25	0 중 0	9° 5	7°44	10°56	11°37	1° 2	25°43	26°50	6°50	29°48	T 19
W20	8 33 8	9°20'53	24°58	27° 4	18°40	0°44	9°15	7°51	11° 0	11°35	1° 3	25°44	26°47	6°56	29°50	W20
T 21	8 37 5	10°21'43	8 <b>Y</b> 32	27°35	19°56	1°28	9°24	7°58	11° 3	11°34	1° 4	25°45	26°44	7° 3	29°53	T 21
F 22	8 41 1	11°22'32	21°41	27°55	21°11	2°12	9°34	8° 5	11° 7	11°32	1° 5	25°46	26°41	7°10	29°55	F 22
S 23	8 44 58	12°23'20	4826	28°R 5	22°26	2°56	9°43	8°12	11°10	11°31	1° 6	25°47	26°38	7°17	29°58	S 23
S 24	8 48 55	13°24'06	16°51	28° 5	23°41	3°40	9°52	8°20	11°14	11°29	1° 7	25°R47	26°35	7°23	o <b>Υ</b> 1	S 24
M25	8 52 51	14°24'50	29° 1	27°53	24°56	4°24	10° 1	8°27	11°17	11°28	1°8	25°47	26°31	7°30	0° 4	M25
T 26	8 56 48	15°25'33	10耳59	27°31	26°11	5° 8	10°10	8°34	11°21	11°27	1° 9	25°46	26°28	7°37	0° 7	T 26
W27	9 0 44	16°26'15	22°52	26°58	27°26	5°52	10°19	8°41	11°24	11°25	1°10	25°45	26°25	7°43	0° 9	W27
T 28	9 441	17°26'54	49542	26°16	28°41	6°36	10°28	8°48	11°28	11°24	1°11	25°43	26°22	7°50	0°12	T 28
F 29	9 8 3 7	18°27'32	16°32	25°26	29°56	7°20	10°36	8°55	11°31	11°23	1°12	25°42	26°19	7°57	0°15	F 29
S 30	9 12 34	19°28'09	28°27	24°29	1 <b>)</b> 11	8° 5	10°45	9° 2	11°35	11°22	1°14	25°41	26°16	8° 3	0°18	S 30
S 31	9 16 30	20≈28'44	10 <b>Ω</b> 27	23≈26	2 <b>∺</b> 26	8 <b>국</b> 49	10 <b>₹</b> 53	9≈ 9	11 <b>≈</b> 38	119520	1 <b>Y</b> 15	25≈41	26≈12	89510	0 <b>Υ</b> 21	S 31

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S 3 M 4 T 5 W 6	21 31 21 20 21 10	17 48 1 6 12 58 0 1 7 34 1s 6	20 9 19 38	1 49 21 38 1 44 21 23 1 38 21 8	1 8 23 13 1 10 23 18 1 11 23 22 1 13 23 26	0 14 1 0 15 1 0 16 1 0 16 1	20 44 20 46 20 48	0 43 0 43 0 43	19 31 19 29 19 27 19 26	0 41 0 41 0 41	18 21 18 20	0 38 0 38 0 38	22 10 22 10 22 11	0 47 0 47 0 47	14 55 16 14 54 16 14 54 16 14 53 16	5 39 1 5 38 1 5 38 1	12 55 12 56 12 55	12 19 12 20 12 22	27 29 27 28 27 27	2 13 2 14 2 14 2 15	2 46 2 46 2 46 2 46
T 7 F 8 S 9	20 58 20 47 20 35	4s 8 3 10	19 5 18 31 17 56	1 25 20 37	1 14 23 30 1 15 23 33 1 16 23 36	0 17 1 0 18 1 0 19	20 51	0 43	19 24 19 22 19 21	0 41	18 19 18 19 18 18	0 38	22 11	0 47	14 52 16 14 52 16 14 51 16	5 37	12 54	12 24	27 25	2 16 2 16 2 17	2 45 2 45 2 45
S 10 M11 T 12 W13 T 14 F 15 S 16	20 9 19 56 19 42 19 28 19 14	20 39 5 6 24 40 5 14 27 14 5 3 27 58 4 31 26 39 3 40	16 6	0 58 19 44 0 48 19 26 0 36 19 7 0 24 18 47 0 11 18 27	1 18 23 39 1 19 23 42 1 20 23 45 1 21 23 47 1 22 23 49 1 23 23 51 1 23 23 52	0 19 : 0 20 : 0 21 : 0 22 : 0 23 : 0 24 : :	20 56 20 58 21 0 21 1 21 3	0 43 0 43 0 43 0 43	19 19 19 17 19 15 19 14 19 12 19 10 19 8	0 41 0 41 0 41 0 41 0 41	18 17 18 16 18 15 18 14 18 13 18 12 18 11	0 38 0 38 0 38 0 38 0 38	22 12 22 12 22 12 22 12 22 12	0 47 0 47 0 47 0 47 0 47	14 51 16 14 50 16 14 49 16 14 49 16 14 48 16 14 48 16 14 47 16	5 36 5 36 5 36 5 36 5 35	12 54 12 54 12 55 12 56 12 57	12 27 12 28 12 29 12 30 12 31	27 23 27 22 27 21 27 20 27 19	2 18 2 18 2 19 2 20 2 21 2 21 2 22	2 45 2 45 2 44 2 44 2 44 2 44 2 44
S 17 M18 T 19 W20 T 21 F 22 S 23	18 29 18 13 17 57 17 41 17 24	6 12 1 23 0n22 2 35 6 41 3 35 12 31 4 22	12 31 11 59 11 30 11 4	0 33 17 23 0 49 17 1 1 5 16 38 1 22 16 15 1 39 15 51	1 24 23 54 1 25 23 55 1 26 23 56 1 26 23 56 1 27 23 57 1 27 23 57 1 28 23 57	0 24 : 0 25 : 0 26 : 0 27 : 0 28 : 0 29 :	21 7 21 9 21 10 21 12 21 13	0 43 0 43 0 43 0 43	19 7 19 5 19 3 19 1 18 59 18 58 18 56	0 42	18 8 18 7 18 6 18 5	0 38 0 38 0 38 0 38 0 38	22 12 22 13 22 13 22 13 22 13	0 47 0 47 0 47 0 47 0 47	14 46 16 14 46 16 14 45 16 14 44 16 14 43 16 14 43 16	5 34 5 34 5 34 5 34 5 33	12 59 12 59 12 58 12 58 12 58	12 35 12 36 12 37 12 38 12 39	27 17 27 16 27 15 27 14 27 13	2 23 2 24 2 25 2 25 2 26 2 27 2 28	2 43 2 43 2 43 2 43 2 43 2 43 2 42
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	16 33 16 15 15 57 15 38 15 20 15 1	27 11 5 6 28 0 4 42 27 31 4 7 25 47 3 20 22 54 2 25	9 55 9 48 9 46 9 48 9 54	2 29 14 37 2 44 14 12 2 58 13 47 3 11 13 20 3 22 12 54 3 31 12 27	1 28 23 56 1 28 23 56 1 28 23 55 1 29 23 54 1 29 23 53 1 29 23 51 1 29 23 49 1 s28 23 s47	0 30 1 0 30 1 0 31 1 0 32 1 0 33 1 0 34 1 0 34 1	21 17 21 18 21 20 21 21 21 22 21 23	0 44 0 44 0 44 0 44 0 44	18 54 18 52 18 50 18 49 18 47 18 45 18 43	0 42 0 42	18 2 18 1	0 38 0 38 0 38 0 38 0 38 0 38	22 14 22 14 22 14 22 14 22 14 22 14 22 14	0 47 0 47 0 47 0 47 0 47 0 46	14 42 16 14 41 16 14 40 16 14 39 16 14 39 16 14 38 16 14 37 16	5 32 5 32 5 32 5 32 5 31 5 31	12 57 12 58 12 58 12 59 12 59 12 59	12 42 12 43 12 44 12 45 12 47 12 48	27 10 27 9 27 8 27 7 27 6 27 5	2 29 2 30 2 31 2 32 2 33 2 34 2 35 2n36	2 42 2 42 2 42 2 42 2 41 2 41 2 41 2 n41

Julian Day Number = 2298152.5, Delta T = 120.00 sec

Ecliptic obliquity = 23°29'45, Nutation = 0°00'10, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 18°52'45, Lahiri = 17°59'46 Julian Calendar 1 Jan. 1580 == Greg. Calendar 11 Jan. 1580

FEBRUARY 1580 JC 00:00 UT

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M 1	9 20 27	21≈29'17	22 <b>Ω</b> 36	22°R20	3 <b>)</b> €41	9 <b>궁</b> 33	11 7 1	9≈16	11241	11°R19	1Υ16	25°D41	26≈ 9	8917	0 <b>Υ</b> 24	M 1
T 2	9 24 24	22°29'49	4 m 55	21≈12	4°56	10°17	11°10	9°23	11°45	119518	1°17	25≈41	26° 6	8°23	0°27	T 2
W 3	9 28 20	23°30'19	17°25	20° 3	6°11	11° 2	11°18	9°30	11°48	11°17	1°18	25°41	26° 3	8°30	0°30	W 3
T 4	9 32 17	24°30'47	0요 7	18°57	7°26	11°46	11°25	9°38	11°52	11°16	1°20	25°41	26° 0	8°37	0°33	T 4
F 5	9 36 13	25°31'15	13° 2	17°54	8°41	12°30	11°33	9°45	11°55	11°14	1°21	25°R41	25°56	8°44	0°37	F 5
S 6	9 40 10	26°31'40	26°12	16°55	9°56	13°15	11°41	9°51	11°59	11°13	1°22	25°41	25°53	8°50	0°40	S 6
S 7	9 44 6	27°32'05	9 <b>M</b> .37	16° 1	11°11	13°59	11°48	9°58	12° 2	11°12	1°23	25°41	25°50	8°57	0°43	S 7
M 8	9 48 3	28°32'28	23°19	15°14	12°26	14°44	11°55	10° 5	12° 5	11°11	1°24	25°D41	25°47	9° 4	0°46	M 8
T 9	9 51 59	29°32'50	7 <b>√</b> 16	14°34	13°40	15°28	12° 3	10°12	12° 9	11°10	1°26	25°41	25°44	9°10	0°49	T 9
W10	9 55 56	0 <b>)</b> €33'10	21°30	14° 1	14°55	16°13	12°10	10°19	12°12	11° 9	1°27	25°41	25°41	9°17	0°53	W10
T 11	9 59 53	1°33'29	5 <b>궁</b> 56	13°35	16°10	16°57	12°16	10°26	12°15	11°8	1°28	25°41	25°37	9°24	0°56	T 11
F 12	10 3 49	2°33'47	20°33	13°16	17°25	17°42	12°23	10°33	12°19	11° 7	1°30	25°42	25°34	9°30	0°59	F 12
S 13	10 7 46	3°34'03	5≈15	13° 5	18°39	18°26	12°30	10°40	12°22	11° 6	1°31	25°43	25°31	9°37	1° 3	S 13
S 14	10 11 42	4°34'17	19°55	13°D 0	19°54	19°11	12°36	10°46	12°25	11° 5	1°32	25°R43	25°28	9°44	1° 6	S 14
M15	10 15 39	5°34'30	4 <b>) (</b> 27	13° 2	21° 9	19°56	12°42	10°53	12°29	11° 5	1°34	25°43	25°25	9°50	1° 9	M15
T 16	10 19 35	6°34'40	18°46	13°11	22°23	20°40	12°49	11° 0	12°32	11° 4	1°35	25°42	25°22	9°57	1°13	T 16
W17	10 23 32	7°34'49	2 <b>Y</b> 45	13°25	23°38	21°25	12°55	11° 7	12°35	11° 3	1°36	25°41	25°18	10° 4	1°16	W17
T 18	10 27 28	8°34'56	16°22	13°45	24°53	22°10	13° 0	11°13	12°38	11° 2	1°38	25°39	25°15	10°10	1°20	T 18
F 19	10 31 25	9°35'00	29°35	14° 9	26° 7	22°55	13° 6	11°20	12°42	11° 1	1°39	25°38	25°12	10°17	1°23	F 19
S 20	10 35 22	10°35'03	12826	14°39	27°22	23°39	13°12	11°26	12°45	11° 1	1°40	25°36	25° 9	10°24	1°27	S 20
S 21	10 39 18	11°35'03	24°56	15°14	28°36	24°24	13°17	11°33	12°48	11° 0	1°42	25°34	25° 6	10°30	1°30	S 21
M22	10 43 15	12°35'02	7 <b>Π</b> 9	15°52	29°51	25° 9	13°22	11°40	12°51	10°59	1°43	25°D33	25° 2	10°37	1°34	M22
T 23	10 47 11	13°34'58	19° 9	16°35	1 <b>Υ</b> 5	25°54	13°27	11°46	12°54	10°59	1°45	25°33	24°59	10°44	1°37	T 23
W24	10 51 8	14°34'52	195 2	17°21	2°20	26°39	13°32	11°52	12°57	10°58	1°46	25°34	24°56	10°51	1°41	W24
T 25	10 55 4	15°34'43	12°52	18°11	3°34	27°24	13°37	11°59	13° 1	10°58	1°48	25°36	24°53	10°57	1°44	T 25
F 26	10 59 1	16°34'33	24°43	19° 4	4°48	28° 8	13°41	12° 5	13° 4	10°57	1°49	25°37	24°50	11° 4	1°48	F 26
S 27	11 2 57	17°34'20	6 <b>Ω</b> 41	20° 0	6° 3	28°53	13°45	12°11	13° 7	10°57	1°50	25°39	24°47	11°11	1°52	S 27
S 28	11 6 54	18°34'05	18°48	20°59	7°17	29°38	13°50	12°18	13°10	10°56	1°52	25°40	24°43	11°17	1°55	S 28
M29	11 10 51	19 <b>)</b> 33'48	1 mp 7	22≈ 1	8 <b>Υ</b> 31	0≈23	13 <b>×</b> 754	12≈24	13≈13	10956	1Υ53	25°R40	24≈40	119524	1 <b>Υ</b> 59	M29

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M 1	14 s22	14n17	0n17	10s36	3n42	11 s33	1 s28	23 s45	0s36	21 s26	0n44	18 s40	0 s43	17 s56	0s38	22n14	0 s46	14s37	16s31	13s 0	12 s50	27n 3	2n37	2n41
T 2	14 3	8 56		10 55		11 5	-	-		21 27	0 44			17 55		22 15		14 36			-		2 38	2 41
W 3	13 43	3 11		11 17				23 39		21 28	0 44			17 54		22 15		14 35			-		2 39	2 41
T 4	13 23	2 s48	-	11 40						21 29	0 44			17 53		22 15		14 35					2 40	2 40
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S 7	12 21	19 33	-	12 50		8 43		23 26		21 32	0 44	18 29	0 43	17 50	0 38	22 15	0 46	14 33	16 30	12 59	12 56	26 57	2 44	2 40
M 8		23 45		13 13				23 22		21 33	0 44			17 49		22 15						26 56	2 45	2 40
T 9		26 41	-	13 35		-				21 34	0 44			17 48		22 15		-				26 55	2 46	2 40
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T 11	10 57		-	14 15		6 44		-		21 35		18 22		17 46		22 16		14 30			-	26 52	2 48	2 39
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S 14		15 23	0 32	-		5 14	-	22 53		21 38		18 16		17 43		22 16		14 28			-	26 49	-	2 39
M15	9 29	9 9		15 15		4 43	-	22 47		21 39	0 44			17 43		22 16		14 27			-	26 48	2 53	2 39
T 16	9 7	2 33		15 25	1 33	4 13		22 41		21 39	0 44			17 42		22 16		14 26			-	26 47	2 55	2 39
W17	8 45		-	15 34	1 19	3 42		22 35		21 40	0 44	-		17 41		22 16		14 26				26 46	2 56	2 39
T 18	-		-	15 41	1 6	3 11		22 28		21 41	0 44			17 40		22 16		14 25			-	26 45	2 57	2 38
F 19	8 0			15 46	0 53			22 22		21 41	0 44			17 39		22 17		14 24			-	26 43	2 58	2 38
S 20	/ 3/	20 29	5 8	15 50	0 40	2 9	1 12	22 15	0 51	21 42	0 44	18 6	0 44	17 38	0 38	22 17	0 46	14 24	16 27	13 1	13 10	26 42	3 0	2 38
S 21	7 14	24 9	5 16	15 52	0 28	1 38	1 11	-	0 51	21 43	0 45	18 4	0 44	17 37	0 38	22 17	0 46	14 23	16 27	13 2	13 11	26 41	3 1	2 38
M22	6 51	26 39		15 52	0 16	1 7	-			21 43	0 45	18 3	0 45	17 36	0 38	22 17	0 46	14 22	16 27	13 2	13 12	26 40	3 2	2 38
T 23		27 52		15 50		0 36				21 44	0 45	-		17 35		22 17		14 22		-	-	26 39	-	2 38
W24		27 47	-	15 47		0 5	-	21 45		21 44		17 59		17 35		22 17		14 21		-	-	26 38	3 5	2 38
T 25		26 26		15 42	0 18			21 37		21 45		17 57		17 34		22 17		14 21		-	-	26 36	-	2 38
F 26		23 54		15 35	0 28			21 29		21 45		17 56		17 33		22 17		14 20		-		26 35	3 7	
S 27	4 55	20 18	1 43	15 27	0 38	1 29	1 1	21 21	0 56	21 46	0 45	17 54	0 45	17 32	0 38	22 17	0 46	14 19	16 27	13 0	13 18	26 34	3 9	2 37
S 28	4 32	15 49	0 38	15 17	0 48	2 0	0 59	21 12	0 57	21 46	0 45	17 52	0 45	17 31	0 38	22 17	0 46	14 19	16 27	13 0	13 19	26 33	3 10	2 37
M29	4 s 8	10n38	0s30	15s 6	0s57	2n31	0s57	21 s 3	0 s 5 8	21 s47	0n45	17s51	0 s45	17 s30	0s38	22n17	0 s46	14s18	16 s 27	13 s 0	13 s20	26n31	3n12	2n37

Julian Day Number = 2298183.5, Delta T = 119.85 sec

Ecliptic obliquity =  $23^{\circ}29'46$ , Nutation =  $0^{\circ}00'11$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°52'50, Lahiri = 17°59'50 Julian Calendar 1 Feb. 1580 == Greg. Calendar 11 Feb. 1580

MARCH 1580 JC 00:00 UT

I I/AIX	JII 1300	, ,,													00.0	0.
Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)∤(	并	Р	S.	Ω	Ç	ķ	Day
T 1	11 14 47	20 <b>)</b> 33'29	13 <b>m</b> 41	23≈ 5	9 <b>Ƴ</b> 45	1≈ 8	13 <b>х</b> 57	12≈30	13≈16	10°R55	1 <b>Y</b> 55	25°R39	24≈37	119931	2 <b>Υ</b> 2	T 1
W 2	11 18 44	21°33'07	26°30	24°11	10°59	1°53	14° 1	12°36	13°19	10955	1°56	25≈36	24°34	11°37	2° 6	W 2
T 3	11 22 40	22°32'44	9 <b>॒</b> 35	25°20	12°14	2°38	14° 4	12°42	13°21	10°55	1°58	25°33	24°31	11°44	2°10	T 3
F 4	11 26 37	23°32'19	22°55	26°31	13°28	3°23	14° 8	12°48	13°24	10°55	1°59	25°29	24°27	11°51	2°13	F 4
S 5	11 30 33	24°31'52	6M28	27°43	14°42	4° 8	14°11	12°54	13°27	10°54	2° 1	25°24	24°24	11°57	2°17	S 5
S 6	11 34 30	25°31'23	20°12	28°58	15°56	4°53	14°14	13° 0	13°30	10°54	2° 2	25°20	24°21	12° 4	2°21	S 6
M 7	11 38 26	26°30'52	4 <b>₹</b> 6	0 <b>₩</b> 15	17°10	5°38	14°17	13° 6	13°33	10°54	2° 3	25°17	24°18	12°11	2°24	M 7
T 8	11 42 23	27°30'20	18° 7	1°34	18°24	6°24	14°19	13°12	13°35	10°54	2° 5	25°15	24°15	12°17	2°28	T 8
W 9	11 46 20	28°29'46	2 <b>ਰ</b> 15	2°54	19°38	7° 9	14°22	13°18	13°38	10°54	2° 6	25°D15	24°12	12°24	2°32	W 9
T 10	11 50 16	29°29'10	16°26	4°16	20°52	7°54	14°24	13°23	13°41	10°54	2° 8	25°16	24° 8	12°31	2°35	T 10
F 11	11 54 13	0 <b>Υ</b> 28'32	0≈41	5°40	22° 5	8°39	14°26	13°29	13°44	10°53	2° 9	25°17	24° 5	12°37	2°39	F 11
S 12	11 58 9	1°27'53	14°55	7° 5	23°19	9°24	14°28	13°35	13°46	10°D53	2°11	25°18	24° 2	12°44	2°43	S 12
S 13	12 2 6	2°27'12	29° 7	8°32	24°33	10° 9	14°29	13°40	13°49	10°53	2°12	25°R19	23°59	12°51	2°46	S 13
M14	12 6 2	3°26'28	13 <b>米</b> 13	10° 0	25°47	10°55	14°31	13°46	13°51	10°54	2°14	25°17	23°56	12°57	2°50	M14
T 15	12 9 59	4°25'43	27°10	11°30	27° 1	11°40	14°32	13°51	13°54	10°54	2°15	25°14	23°53	13° 4	2°54	T 15
W16	12 13 55	5°24'56	10 <b>Y</b> 53	13° 2	28°14	12°25	14°33	13°56	13°56	10°54	2°17	25° 9	23°49	13°11	2°58	W16
T 17	12 17 52	6°24'07	24°19	14°35	29°28	13°10	14°34	14° 2	13°59	10°54	2°18	25° 2	23°46	13°18	3° 1	T 17
F 18	12 21 48	7°23'15	7 <b>8</b> 27	16° 9	0841	13°55	14°35	14° 7	14° 1	10°54	2°20	24°55	23°43	13°24	3° 5	F 18
S 19	12 25 45	8°22'22	20°16	17°45	1°55	14°41	14°35	14°12	14° 4	10°54	2°21	24°47	23°40	13°31	3° 9	S 19
S 20	12 29 42	9°21'26	2Д46	19°22	3° 9	15°26	14°36	14°17	14° 6	10°55	2°23	24°41	23°37	13°38	3°12	S 20
M21	12 33 38	10°20'28	15° 0	21° 1	4°22	16°11	14°R36	14°22	14° 8	10°55	2°24	24°36	23°33	13°44	3°16	M21
T 22	12 37 35	11°19'27	27° 2	22°41	5°35	16°56	14°36	14°27	14°11	10°55	2°26	24°33	23°30	13°51	3°20	T 22
W23	12 41 31	12°18'25	8955	24°23	6°49	17°42	14°36	14°32	14°13	10°55	2°27	24°D31	23°27	13°58	3°23	W23
T 24	12 45 28	13°17'20	20°45	26° 7	8° 2	18°27	14°35	14°37	14°15	10°56	2°28	24°32	23°24	14° 4	3°27	T 24
F 25	12 49 24	14°16'13	2 <b>Ω</b> 36	27°51	9°15	19°12	14°35	14°42	14°17	10°56	2°30	24°33	23°21	14°11	3°31	F 25
S 26	12 53 21	15°15'03	14°35	29°38	10°29	19°57	14°34	14°46	14°19	10°57	2°31	24°34	23°18	14°18	3°34	S 26
S 27	12 57 17	16°13'51	26°46	1 <b>Y</b> 25	11°42	20°43	14°33	14°51	14°21	10°57	2°33	24°R34	23°14	14°24	3°38	S 27
M28	13 1 14	17°12'37	9 <b>m</b> 12	3°15	12°55	21°28	14°32	14°56	14°23	10°58	2°34	24°33	23°11	14°31	3°41	M28
T 29	13 5 11	18°11'21	21°58	5° 6	14° 8	22°13	14°31	15° 0	14°25	10°58	2°36	24°30	23° 8	14°38	3°45	T 29
W30	13 9 7	19°10'02	5 <b>♀</b> 4	6°58	15°21	22°59	14°29	15° 4	14°27	10°59	2°37	24°24	23° 5	14°44	3°49	W30
T 31	13 13 4	20 <b>°</b> 8'42	18 <b>≏</b> 31	8 <b>Ƴ</b> 52	16 <b>8</b> 34	23≈44	14 <b>×</b> 27	15≈ 9	14 <b>≈</b> 29	1195 0	2 <b>Y</b> 39	24≈17	23≈ 2	14951	3 <b>Ƴ</b> 52	T 31

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T 1 W 2	3 s45 3 21	4n56 1s3	7 14s53 1s 14 39 1 1			21 s47 0n45 21 48 0 45				14s17 16s26 14 17 16 26		13 s21 13 22		3n13 2n37 3 14 2 37
T 3	2 58	7 9 3 3				21 48 0 45			22 17 0 45		_	13 22		3 14 2 37
F 4	2 34	13 0 4 24							22 18 0 45		_	13 24		3 17 2 37
S 5	2 11	18 21 4 50	13 48 1 3	6 5 5 0 47	20 16 1 2	21 49 0 45	17 43 0 46	17 26 0 39	22 18 0 45	14 15 16 26	13 5	13 25	26 25	3 18 2 37
S 6	1 47		13 27 1 4							14 14 16 26	-	13 26		3 20 2 37
M 7 T 8	1 23		9 13 6 1 4 8 12 43 1 5			21 49 0 45 21 49 0 45			22 18 0 45 22 18 0 45		-	13 27 13 28		3 21 2 37 3 23 2 36
W 9	0 36		12 43 1 3			21 49 0 43			22 18 0 45			13 29		3 24 2 36
T 10	0 12					21 50 0 45				14 12 16 26		13 30		3 25 2 36
F 11	0n11	22 10 2 10	11 26 2	8 8 7 0 33		21 50 0 45	17 34 0 47	17 22 0 39	22 18 0 45	14 11 16 26	13 7	13 31	26 18	3 27 2 36
S 12	0 35	17 18 0 5	5 10 58 2 1	2 8 37 0 30	19 1 1 7	21 50 0 45	17 32 0 47	17 21 0 39	22 18 0 45	14 11 16 26	13 7	13 32	26 16	3 28 2 36
S 13	0 59	11 29 0n2	10 28 2 1	5 9 6 0 28	18 50 1 8	21 50 0 45	17 31 0 47	17 20 0 39	22 18 0 45	14 10 16 26		13 34		3 30 2 36
M14	1 22	5 8 1 3				21 51 0 45			22 18 0 45			13 35		3 31 2 36
T 15	1 46	1n23 2 4				21 51 0 45			22 18 0 45			13 36	-	3 32 2 36
W16 T 17	2 9 2 33	7 43 3 43				21 51 0 46 21 51 0 46			22 18 0 45 22 18 0 45				-	3 34 2 36 3 35 2 36
F 18	2 56	13 34 4 20 18 40 4 5		-		21 51 0 46			22 18 0 45				26 10	3 33 2 36
S 19	3 20					21 51 0 46			22 18 0 45					3 38 2 36
S 20	3 43	25 45 5	6 26 2 2	5 12 26 0 10	17 25 1 13	21 51 0 46	17 21 0 48	17 15 0 39	22 18 0 45	14 6 16 26	13 20	13 41	26 5	3 39 2 36
M21	4 6	27 27 4 50	5 46 2 2	4 12 54 0 7	17 12 1 14	21 51 0 46	17 19 0 48	17 15 0 39	22 18 0 45	14 6 16 26	13 21	13 42	26 4	3 41 2 36
T 22	-					21 51 0 46			22 18 0 45					3 42 2 36
W23	4 52								22 18 0 45					3 44 2 36
T 24 F 25	5 15	24 44 2 53 21 30 1 50							22 18 0 45 22 18 0 45					3 45 2 36 3 46 2 35
S 26		17 21 0 5							22 18 0 45			-		3 48 2 35
S 27	6 24	12 26 0s1	1 25 2 1	0 15 32 0 10	15 52 1 18	21 50 0 46	17 12 0 49	17 11 0 39	22 18 0 45	14 3 16 27	13 22	13 48	25 56	3 49 2 35
M28	6 46	6 56 1 1	0 38 2	6 15 57 0 12			17 10 0 49	17 11 0 39	22 18 0 45	14 2 16 27	13 22	13 49	25 54	3 51 2 35
T 29	7 9	1 1 2 2	0n10 2	1 16 22 0 15	15 24 1 20	21 50 0 46	17 9 0 49	17 10 0 39	22 18 0 45		13 23			3 52 2 35
W30	7 31	5s 4 3 20				21 50 0 46			22 18 0 44		13 25			3 54 2 35
T 31	7n54	11s 5 4s	3 1n50 1s5	1 17n10 0n21	14 s55 1 s21	21 s50 0n46	17s 7 0s49	17s 9 0s39	22n18 0s44	14s 1 16s27	13 s28	13 s52	25n50	3n55 2n35

Julian Day Number = 2298212.5, Delta T = 119.71 sec

Ecliptic obliquity =  $23^{\circ}29'46$ , Nutation =  $0^{\circ}00'10$ , out-of-bounds declination in red

 $Ayanamsha: Fagan/Bradley = 18^{\circ}52'54, Lahiri = 17^{\circ}59'54 \ Julian \ Calendar \ 1 \ March \ 1580 == Greg. \ Calendar \ 11 \ March \ 1580 = 110'52'54 \$ 

APRIL 1580 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	卉	Р	ß	Ω	Ç	ę,	Day
F 1	13 17 0	21 <b>°</b> 7'20	2 <b>M</b> .16	10 <b>Υ</b> 48	17847	24≈29	14°R25	15≈13	14≈31	1199 0	2 <b>Υ</b> 40	24°R 8	22≈59	14958	<b>3</b> Υ56	F 1
S 2	13 20 57	22° 5'55	16°17	12°45	19° 0	25°14	14 <b>×</b> 23	15°17	14°33	11° 1	2°41	23≈58	22°55	15° 4	3°59	S 2
S 3	13 24 53	23° 4'29	0 <b>∡</b> 28	14°43	20°13	26° 0	14°21	15°21	14°35	11° 2	2°43	23°49	22°52	15°11	4° 3	S 3
M 4	13 28 50	24° 3'02	14°44	16°43	21°26	26°45	14°19	15°25	14°36	11° 2	2°44	23°42	22°49	15°18	4° 6	M 4
T 5	13 32 46	25° 1'32	29° 1	18°45	22°39	27°30	14°16	15°29	14°38	11° 3	2°46	23°37	22°46	15°24	4°10	T 5
W 6	13 36 43	26° 0'01	13 <b>る</b> 16	20°47	23°51	28°16	14°13	15°33	14°40	11° 4	2°47	23°34	22°43	15°31	4°13	W 6
T 7	13 40 40	26°58'29	27°26	22°52	25° 4	29° 1	14°10	15°37	14°41	11° 5	2°48	23°D34	22°39	15°38	4°17	T 7
F 8	13 44 36	27°56'55	11≈29	24°57	26°17	29°46	14° 7	15°41	14°43	11° 6	2°50	23°34	22°36	15°44	4°20	F 8
S 9	13 48 33	28°55'19	25°25	27° 3	27°29	0 <b>)</b> €31	14° 4	15°44	14°44	11° 7	2°51	23°R34	22°33	15°51	4°24	S 9
S 10	13 52 29	29°53'41	9 <b>)</b> 14	29°11	28°42	1°17	14° 0	15°48	14°46	11° 7	2°52	23°33	22°30	15°58	4°27	S 10
M11	13 56 26	0852'02	22°54	1819	29°54	2° 2	13°57	15°51	14°47	11°8	2°54	23°30	22°27	16° 4	4°31	M11
T 12	14 0 22	1°50'22	6 <b>Y</b> 25	3°28	1 <b>I</b> 7	2°47	13°53	15°54	14°49	11° 9	2°55	23°24	22°24	16°11	4°34	T 12
W13	14 4 19	2°48'39	19°45	5°37	2°19	3°32	13°49	15°58	14°50	11°10	2°56	23°16	22°20	16°18	4°37	W13
T 14	14 8 15	3°46'55	2 <b>8</b> 52	7°46	3°31	4°17	13°45	16° 1	14°51	11°11	2°58	23° 5	22°17	16°24	4°41	T 14
F 15	14 12 12	4°45'09	15°45	9°55	4°44	5° 3	13°40	16° 4	14°52	11°13	2°59	22°53	22°14	16°31	4°44	F 15
S 16	14 16 9	5°43'22	28°24	12° 4	5°56	5°48	13°36	16° 7	14°54	11°14	3° 0	22°40	22°11	16°38	4°47	S 16
S 17	14 20 5	6°41'32	10 <b>Ⅱ</b> 47	14°12	7° 8	6°33	13°31	16°10	14°55	11°15	3° 1	22°29	22° 8	16°44	4°50	S 17
M18	14 24 2	7°39'41	22°58	16°18	8°20	7°18	13°27	16°13	14°56	11°16	3° 3	22°20	22° 4	16°51	4°54	M18
T 19	14 27 58	8°37'48	4957	18°24	9°32	8° 3	13°22	16°16	14°57	11°17	3° 4	22°13	22° 1	16°58	4°57	T 19
W20	14 31 55	9°35'53	16°49	20°28	10°44	8°48	13°17	16°18	14°58	11°18	3° 5	22° 8	21°58	17° 4	5° 0	W20
T 21	14 35 51	10°33'56	28°38	22°30	11°56	9°33	13°11	16°21	14°59	11°20	3° 6	22° 6	21°55	17°11	5° 3	T 21
F 22	14 39 48	11°31'57	10 <b>Ω</b> 28	24°29	13° 8	10°19	13° 6	16°23	15° 0	11°21	3°8	22°D 6	21°52	17°18	5° 6	F 22
S 23	14 43 44	12°29'56	22°27	26°27	14°20	11° 4	13° 0	16°26	15° 1	11°22	3° 9	22°R 6	21°49	17°24	5° 9	S 23
S 24	14 47 41	13°27'54	4 <b>m</b> 38	28°22	15°32	11°49	12°55	16°28	15° 1	11°24	3°10	22° 5	21°45	17°31	5°13	S 24
M25	14 51 38	14°25'49	17° 6	0 <b>Ⅱ</b> 14	16°43	12°34	12°49	16°30	15° 2	11°25	3°11	22° 3	21°42	17°38	5°16	M25
T 26	14 55 34	15°23'43	29°57	2° 3	17°55	13°19	12°43	16°32	15° 3	11°26	3°12	21°59	21°39	17°44	5°19	T 26
W27	14 59 31	16°21'35	13 <b>≏</b> 13	3°49	19° 6	14° 3	12°37	16°34	15° 3	11°28	3°13	21°52	21°36	17°51	5°22	W27
T 28	15 3 27	17°19'25	26°54	5°32	20°18	14°48	12°31	16°36	15° 4	11°29	3°15	21°43	21°33	17°58	5°25	T 28
F 29	15 7 24	18°17'13	10 <b>M</b> 59	7°11	21°29	15°33	12°25	16°38	15° 5	11°31	3°16	21°32	21°30	18° 4	5°27	F 29
S 30	15 11 20	19815'01	25 <b>M</b> 24	8 <b>Ⅲ</b> 48	22 <b>II</b> 41	16 <b>)</b> 18	12 <b>~</b> 18	16≈40	15 <b>≈</b> 5	119532	3 <b>Ƴ</b> 17	21≈20	21≈26	189511	5 <b>Υ</b> 30	S 30

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Julian Day Number = 2298243.5, Delta T = 119.56 sec

Ecliptic obliquity = 23°29'46, Nutation = 0°00'09, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 18°52'58, Lahiri = 17°59'58 Julian Calendar 1 Apr. 1580 == Greg. Calendar 11 Apr. 1580

MAY 1580 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	¥	В	n	v	Ç	ķ	Day
S 1	15 15 17	20812'47	10 <b>×</b> 7 1	10耳21	23 <b>II</b> 52	17 <b>)</b> 3	12°R12	16≈41	15≈ 6	119934	<b>3</b> Υ18	21°R 9	21≈23	18918	5 <b>Υ</b> 33	S 1
M 2	15 19 13	21°10'31	24°43	11°50	25° 3	17°48	12 <b>×</b> 5	16°43	15° 6	11°35	3°19	21≈ 0	21°20	18°24	5°36	M 2
T 3	15 23 10	22° 8'15	9 <b>ට</b> 23	13°16	26°14	18°33	11°58	16°44	15° 6	11°37	3°20	20°54	21°17	18°31	5°39	T 3
W 4	15 27 7	23° 5'57	23°55	14°39	27°25	19°17	11°52	16°46	15° 7	11°38	3°21	20°50	21°14	18°38	5°42	W 4
T 5	15 31 3	24° 3'38	8≈14	15°57	28°36	20° 2	11°45	16°47	15° 7	11°40	3°22	20°48	21°10	18°44	5°44	T 5
F 6	15 35 0	25° 1'18	22°19	17°13	29°47	20°47	11°38	16°48	15° 7	11°42	3°23	20°48	21° 7	18°51	5°47	F 6
S 7	15 38 56	25°58'57	6 <b>∺</b> 9	18°24	0958	21°31	11°31	16°49	15° 7	11°43	3°24	20°48	21° 4	18°58	5°50	S 7
S 8	15 42 53	26°56'35	19°45	19°32	2° 9	22°16	11°24	16°50	15° 7	11°45	3°25	20°46	21° 1	19° 4	5°52	S 8
M 9	15 46 49	27°54'12	3 <b>℃</b> 7	20°36	3°20	23° 1	11°17	16°51	15° 8	11°47	3°26	20°43	20°58	19°11	5°55	M 9
T 10	15 50 46	28°51'48	16°17	21°36	4°30	23°45	11° 9	16°52	15°R 8	11°48	3°27	20°37	20°55	19°18	5°57	T 10
W11	15 54 42	29°49'24	29°15	22°32	5°41	24°30	11° 2	16°52	15° 8	11°50	3°28	20°27	20°51	19°24	6° 0	W11
T 12	15 58 39	0 <b>Ⅱ</b> 46'58	128 2	23°24	6°52	25°14	10°55	16°53	15° 7	11°52	3°29	20°16	20°48	19°31	6° 2	T 12
F 13	16 2 36	1°44'31	24°37	24°12	8° 2	25°59	10°47	16°53	15° 7	11°54	3°30	20° 3	20°45	19°38	6° 5	F 13
S 14	16 6 32	2°42'03	7 <b>Ⅱ</b> 1	24°56	9°12	26°43	10°40	16°54	15° 7	11°55	3°30	19°50	20°42	19°44	6° 7	S 14
S 15	16 10 29	3°39'34	19°14	25°35	10°23	27°27	10°32	16°54	15° 7	11°57	3°31	19°38	20°39	19°51	6° 9	S 15
M16	16 14 25	4°37'04	19917	26°10	11°33	28°12	10°25	16°54	15° 7	11°59	3°32	19°28	20°36	19°58	6°12	M16
T 17	16 18 22	5°34'33	13°12	26°41	12°43	28°56	10°17	16°R54	15° 6	12° 1	3°33	19°20	20°32	20° 4	6°14	T 17
W18	16 22 18	6°32'00	25° 1	27° 8	13°53	29°40	10° 9	16°54	15° 6	12° 3	3°34	19°15	20°29	20°11	6°16	W18
T 19	16 26 15	7°29'27	$6\Omega48$	27°30	15° 3	0 <b>Υ</b> 24	10° 2	16°54	15° 6	12° 5	3°34	19°13	20°26	20°18	6°18	T 19
F 20	16 30 11	8°26'52	18°37	27°47	16°13	1° 8	9°54	16°54	15° 5	12° 7	3°35	19°D12	20°23	20°24	6°20	F 20
S 21	16 34 8	9°24'16	0 <b>m</b> 34	28° 0	17°22	1°52	9°46	16°54	15° 5	12° 9	3°36	19°12	20°20	20°31	6°22	S 21
S 22	16 38 5	10°21'39	12°44	28° 8	18°32	2°36	9°39	16°53	15° 4	12°11	3°37	19°R13	20°16	20°38	6°25	S 22
M23	16 42 1	11°19'01	25°12	28°R11	19°42	3°20	9°31	16°53	15° 3	12°13	3°37	19°12	20°13	20°44	6°26	M23
T 24	16 45 58	12°16'22	8 <b>호</b> 2	28°10	20°51	4° 4	9°24	16°52	15° 3	12°14	3°38	19° 9	20°10	20°51	6°28	T 24
W25	16 49 54	13°13'41	21°19	28° 5	22° 0	4°48	9°16	16°51	15° 2	12°16	3°39	19° 4	20° 7	20°58	6°30	W25
T 26	16 53 51	14°11'00	5M 4	27°55	23°10	5°31	9° 8	16°51	15° 1	12°18	3°39	18°57	20° 4	21° 4	6°32	T 26
F 27	16 57 47	15° 8'18	19°17	27°41	24°19	6°15	9° 1	16°50	15° 0	12°20	3°40	18°48	20° 1	21°11	6°34	F 27
S 28	17 1 44	16° 5'35	3 <b>₹</b> 54	27°23	25°28	6°58	8°53	16°49	15° 0	12°23	3°40	18°38	19°57	21°18	6°36	S 28
S 29	17 541	17° 2'51	1 <u>8°</u> 48	27° 2	26°37	7°42	8°46	16°48	14°59	12°25	3°41	18°30	19°54	21°24	6°37	S 29
M30	17 9 37	18° 0'07	3 <b>조</b> 51	26°37	27°46	8°25	8°38	16°46	14°58	12°27	3°42	18°22	19°51	21°31	6°39	M30
T 31	17 13 34	18 <b>Ⅱ</b> 57'22	18 <b>궁</b> 53	26耳 9	28954	9 <b>Υ</b> 9	8 <b>∡</b> 731	16≈45	14≈57	12929	3 <b>℃</b> 42	18 <b>≈</b> 17	19 <b>≈</b> 48	21938	6 <b>Ƴ</b> 41	T 31

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S 1		26 s42	4 s44	24n23	2n21 251	1 1n40	6 s40	1 s41	21 s33	0n46	16 s44	0s54	16 s59	0 s40	22n16	0 s43	13 s51	16s33	14 s29	14 s24	25n 2	4n35 2	2n35
M 2	-			24 37	2 23 25	6 1 42	6 23		21 33		16 44		16 59		22 16		13 50						2 35
T 3			-	24 49	2 23 25	11 1 44	6 6		21 32		16 43		16 59		22 16		13 50		-				2 35
W 4				24 58	2 23 25	14 1 46			21 31	0 45			16 59		22 16				14 35				2 35
T 5		19 19		25 6	2 22 25				21 30		16 43		16 59		22 16		13 50					-	2 35
F 6			0n 8		2 20 25				21 29		16 43		16 59		22 16		13 50						2 35
S 7	19 18	8 2	1 20	25 16	2 17 25	21 1 51	4 57	1 44	21 28	0 45	16 43	0 55	16 59	0 41	22 16	0 43	13 50	16 35	14 36	14 31	24 52	4 42 2	2 36
S 8	19 31	1 49	2 27	25 17	2 13 25	21 1 53	4 40	1 44	21 27	0 45	16 42	0 55	16 59	0 41	22 15	0 43	13 50	16 35	14 36	14 32	24 50	4 43 2	2 36
M 9	19 44	4n21	3 24	25 18	2 8 25	21 1 54	4 23	1 45	21 26	0 45	16 42	0 56	16 59	0 41	22 15	0 43	13 49	16 35	14 37	14 33	24 48	4 44 2	2 36
T 10	19 57	10 15	4 9	25 16	2 3 25	21 1 56	4 6	1 45	21 26	0 45	16 42	0 56	16 59	0 41	22 15	0 43	13 49	16 36	14 39	14 34	24 47	4 45 2	2 36
W11	20 10	15 36	4 41	25 13	1 56 25	19 1 57	3 48	1 45	21 25	0 45	16 42	0 56	16 59	0 41	22 15	0 43	13 49	16 36	14 42	14 35	24 45	4 46 2	2 36
T 12	20 22	20 12	4 57	25 9	1 49 25	17 1 58	3 31	1 46	21 24	0 45	16 42	0 56	16 59	0 41	22 15	0 43	13 49	16 36	14 46	14 36	24 43	4 47 2	2 36
F 13	20 34	23 48	5 0	25 3	1 41 25	14 1 59	3 14	1 46	21 23	0 45	16 42	0 56	16 59	0 41	22 15	0 43	13 49	16 36	14 50	14 37	24 42	4 48 2	2 36
S 14	20 45	26 15	4 47	24 55	1 32 25	11 2 1	2 56	1 47	21 22	0 45	16 42	0 56	16 59	0 41	22 15	0 43	13 49	16 37	14 54	14 38	24 40	4 49 2	2 36
S 15	20 56	27 25	4 22	24 47	1 22 25	7 2 2	2 39	1 47	21 21	0 44	16 42	0 57	17 0	0 41	22 15	0 43	13 49	16 37	14 58	14 39	24 38	4 50 2	2 36
M16	21 7	27 15	3 45	24 37	1 11 25	2 2 3	2 22	1 47	21 20	0 44	16 42	0 57	17 0	0 41	22 14	0 43	13 49	16 37	15 1	14 40	24 36	4 51 2	2 36
T 17	21 17	25 48	2 59	24 27	0 59 24	56 2 3	2 5	1 48	21 19	0 44	16 43	0 57	17 0	0 41	22 14	0 43	13 49	16 38	15 3	14 41	24 35	4 52 2	2 36
W18	21 27	23 14	2 5	24 15	0 47 24	50 2 4	1 47	1 48	21 18	0 44	16 43	0 57	17 0	0 41	22 14	0 43	13 49	16 38	15 5	14 42	24 33	4 53 2	2 36
T 19	21 37	19 40	1 6	24 2	0 34 24	43 2 5	1 30	1 49	21 17	0 44	16 43	0 57	17 0	0 41	22 14	0 43	13 49	16 38	15 6	14 43	24 31	4 54 2	2 36
F 20	21 46	5 15 20	0 3	23 48	0 20 24	35 2 6	1 13	1 49	21 16	0 44	16 43	0 57	17 0	0 41	22 14	0 43	13 49	16 39	15 6	14 44	24 29	4 55 2	2 36
S 21	21 55	10 21	1 s 0	23 34	0 5 24	27 2 6	0 56	1 49	21 15	0 44	16 43	0 58	17 0	0 41	22 14	0 43	13 49	16 39	15 6	14 45	24 27	4 56 2	2 36
S 22	22 3	4 55	2 2	23 19	0s10 24	18 2 7	0 38	1 50	21 14	0 44	16 44	0 58	17 1	0 41	22 13	0 43	13 49	16 39	15 6	14 46	24 26	4 56 2	2 36
M23	22 11	0s50	2 59	23 3	0 26 24	8 2 7	0 21	1 50	21 13	0 44	16 44	0 58	17 1	0 41	22 13	0 43	13 49	16 40	15 6	14 47	24 24	4 57 2	2 36
T 24	22 19	6 42	3 50	22 47	0 42 23	58 2 7	0 4	1 50	21 12	0 43	16 44	0 58	17 1	0 41	22 13	0 43	13 49	16 40	15 7	14 48	24 22	4 58 2	2 36
W25	22 26	12 29	4 29	22 31	0 58 23	<b>47</b> 2 7	0n13	1 51	21 11	0 43	16 45	0 58	17 1	0 41	22 13	0 43	13 49	16 40	15 9	14 49	24 20	4 59 2	2 36
T 26	22 33	17 52	4 55	22 14	1 15 23	36 2 7	0 30	1 51	21 10	0 43	16 45	0 58	17 2	0 41	22 13	0 43	13 49	16 41	15 11	14 50	24 18	5 0 2	2 37
F 27	22 40	22 27	5 4	21 56	1 32 23	24 2 7	0 47	1 51	21 9	0 43	16 46	0 59	17 2	0 41	22 13	0 43	13 49	16 41	15 14	14 51	24 17	5 0 2	2 37
S 28	22 46	25 47	4 53	21 39	1 49 23	11 2 7	1 4	1 52	21 8	0 43	16 46	0 59	17 2	0 41	22 13	0 43	13 49	16 41	15 16	14 52	24 15	5 1 2	2 37
S 29	22 52	27 23	4 23	21 22	2 6 22	58 2 7	1 21	1 52	21 7	0 43	16 47	0 59	17 2	0 41	22 12	0 43	13 49	16 42	15 19	14 53	24 13	5 2 2	2 37
M30	22 57	27 0	3 34	21 4	2 23 22	44 2 7	1 38	1 52	21 6	0 43	16 47	0 59	17 3	0 42	22 12	0 43	13 50	16 42	15 22	14 54	24 11	5 3 2	2 37
T 31	23n 2	24 s 39	$2\mathrm{s}30$	20n47	2 s39 22ı	29 2n 6	1n55	1 s52	21 s 5	0n42	16 s48	0s59	17 s 3	0 s42	22n12	0 s43	13 s50	16 s43	15 s23	14 s55	24n 9	5n 3 2	2n37

Julian Day Number = 2298273.5, Delta T = 119.41 sec

Ecliptic obliquity =  $23^{\circ}29'45$ , Nutation =  $0^{\circ}00'09$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°53'02, Lahiri = 18°00'02 Julian Calendar 1 May 1580 == Greg. Calendar 11 May 1580

**JUNE 1580 JC** 00:00 UT

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Day	Sid.t	0	D	ğ	·	o <sup>7</sup>	4	ħ	)∤(	¥	Р	N.	v	Ç	ķ	Day
W 1	17 17 30	19 <b>Ⅱ</b> 54'37	3≈44	25°R39	0 <b>Ω</b> 3	9 <b>Υ</b> 52	8°R23	16°R44	14°R56	12931	<b>3</b> Υ43	18°R14	19≈45	219544	6 <b>Υ</b> 42	W 1
T 2	17 21 27	20°51'52	18°20	25 <b>II</b> 7	1°11	10°35	8 <b>∡</b> 16	16≈42	14≈55	12°33	3°43	18°D13	19°42	21°51	6°44	T 2
F 3	17 25 23	21°49'06	2 <b>∺</b> 36	24°34	2°20	11°19	8° 9	16°41	14°54	12°35	3°44	18 <b>≈</b> 14	19°38	21°58	6°45	F 3
S 4	17 29 20	22°46'20	16°31	23°59	3°28	12° 2	8° 1	16°39	14°53	12°37	3°44	18°R14	19°35	22° 4	6°47	S 4
S 5	17 33 16	23°43'33	oΥ 5	23°25	4°36	12°45	7°54	16°37	14°51	12°39	3°44	18°14	19°32	22°11	6°48	S 5
M 6	17 37 13	24°40'47	13°20	22°51	5°44	13°28	7°47	16°36	14°50	12°41	3°45	18°13	19°29	22°18	6°49	M 6
T 7	17 41 10	25°38'01	26°18	22°17	6°52	14°11	7°40	16°34	14°49	12°43	3°45	18° 9	19°26	22°24	6°51	T 7
W 8	17 45 6	26°35'14	9 <b>8</b> 1	21°46	7°59	14°54	7°33	16°32	14°48	12°46	3°46	18° 3	19°22	22°31	6°52	W 8
T 9	17 49 3	27°32'28	21°32	21°16	9° 7	15°36	7°27	16°30	14°46	12°48	3°46	17°55	19°19	22°38	6°53	T 9
F 10	17 52 59	28°29'41	3 <b>II</b> 51	20°48	10°14	16°19	7°20	16°27	14°45	12°50	3°46	17°47	19°16	22°44	6°54	F 10
S 11	17 56 56	29°26'54	16° 1	20°24	11°22	17° 1	7°13	16°25	14°43	12°52	3°47	17°38	19°13	22°51	6°55	S 11
S 12	18 0 52	09524'07	28° 3	20° 3	12°29	17°44	7° 7	16°23	14°42	12°54	3°47	17°29	19°10	22°58	6°56	S 12
M13	18 4 49	1°21'20	9958	19°46	13°36	18°26	7° 0	16°20	14°40	12°57	3°47	17°22	19° 7	23° 4	6°57	M13
T 14	18 8 45	2°18'33	21°48	19°33	14°43	19° 9	6°54	16°18	14°39	12°59	3°47	17°17	19° 3	23°11	6°58	T 14
W15	18 12 42	3°15'46	3 <b>Ω</b> 35	19°25	15°50	19°51	6°48	16°15	14°37	13° 1	3°48	17°14	19° 0	23°18	6°59	W15
T 16	18 16 39	4°12'58	15°22	19°D21	16°56	20°33	6°42	16°13	14°36	13° 3	3°48	17°D13	18°57	23°24	7° 0	T 16
F 17	18 20 35	5°10'10	27°13	19°22	18° 3	21°15	6°36	16°10	14°34	13° 5	3°48	17°13	18°54	23°31	7° 1	F 17
S 18	18 24 32	6° 7'22	9 <b>m</b> )11	19°28	19° 9	21°57	6°30	16° 7	14°32	13° 8	3°48	17°15	18°51	23°38	7° 1	S 18
S 19	18 28 28	7° 4'33	21°21	19°38	20°15	22°39	6°24	16° 4	14°31	13°10	3°48	17°16	18°48	23°44	7° 2	S 19
M20	18 32 25	8° 1'44	3 <b>≏</b> 47	19°54	21°21	23°20	6°19	16° 1	14°29	13°12	3°48	17°R17	18°44	23°51	7° 2	M20
T 21	18 36 21	8°58'55	16°35	20°15	22°26	24° 2	6°13	15°58	14°27	13°14	3°48	17°17	18°41	23°58	7° 3	T 21
W22	18 40 18	9°56'06	29°48	20°41	23°32	24°43	6° 8	15°55	14°25	13°16	3°48	17°15	18°38	24° 4	7° 3	W22
T 23	18 44 14	10°53'17	13 <b>M</b> 28	21°12	24°37	25°25	6° 3	15°52	14°24	13°19	3°48	17°12	18°35	24°11	7° 4	T 23
F 24	18 48 11	11°50'28	27°38	21°48	25°42	26° 6	5°58	15°49	14°22	13°21	3°R48	17° 8	18°32	24°18	7° 4	F 24
S 25	18 52 8	12°47'39	12 <b>×</b> 14	22°29	26°47	26°47	5°53	15°45	14°20	13°23	3°48	17° 3	18°28	24°24	7° 5	S 25
S 26	18 56 4	13°44'50	27°11	23°15	27°52	27°28	5°48	15°42	14°18	13°25	3°48	16°58	18°25	24°31	7° 5	S 26
M27	19 0 1	14°42'01	12 <b>る</b> 21	24° 7	28°56	28° 9	5°44	15°38	14°16	13°28	3°48	16°54	18°22	24°38	7° 5	M27
T 28	19 3 57	15°39'12	27°34	25° 2	0 Mp 1	28°50	5°39	15°35	14°14	13°30	3°48	16°52	18°19	24°44	7° 5	T 28
W29	19 7 54	16°36'24	12≈40	26° 3	1° 5	29°31	5°35	15°31	14°12	13°32	3°48	16°D51	18°16	24°51	7° 5	W29
T 30	19 11 50	17933'36	27≈32	27 <b>II</b> 9	2 m/ 9	0811	5 <b>₹</b> 31	15≈28	14≈10	13934	<b>3</b> Υ48	16≈51	18≈13	249558	7°R 5	T 30

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W 1 T 2 F 3 S 4	23n 7 23 11 23 15 23 18	15 21 0: 9 23 1	s17 20 n 1 20 16 19 26 19	0 15 9 59	3 10 3 24	22n14 21 59 21 42 21 26	2n 6 2 5 2 4 2 4	2n12 2 28 2 45 3 2	1 53	21 2	0n42 0 42 0 42 0 42	16 49 16 49	1 0 1 0	17 s 3 17 4 17 4 17 4	0 42 0 42	22n12 22 12 22 11 22 11	0 43 0 43	13 s50 13 50 13 50 13 50	16 43 16 44	15 24 15 24	14 57 14 58	24 6 24 4	5n 4 5 5 5 5 5 6	2n37 2 37 2 37 2 37
S 5 M 6 T 7 W 8 T 9	23 21 23 23 23 25 23 27 23 28	9 8 4 14 36 4 19 19 5	3 18	9 19	4 9 4 17	20 51 20 32 20 14	2 3 2 2 2 0 1 59 1 58	3 18 3 35 3 52 4 8 4 24	1 54 1 54	21 0 20 59 20 58 20 57 20 56	0 42 0 42 0 41 0 41 0 41	16 51 16 52 16 53	1 0 1 0 1 1	17 5 17 5 17 6 17 6	0 42 0 42 0 42	22 11 22 11 22 11 22 11 22 10	0 43 0 43 0 43	13 51 13 51 13 51	16 45 16 45 16 45	15 24 15 26 15 27	15 1 15 2 15 3	24 0 23 58 23 56 23 54 23 53	5 7 5 7 5 8 5 8 5 9	2 37 2 37 2 37 2 37 2 37
F 10 S 11 S 12	23 29 23 30	25 48 4 27 14 4	55 18 30 18 54 18	8 42 8 37	4 29 4 33	19 35 19 15	1 56 1 55 1 53	4 41 4 57 5 13	1 54 1 54	20 55 20 54 20 53	0 41 0 41		1 1 1 1	17 7 17 7 17 8	0 42 0 42	22 10 22 10 22 10 22 10	0 43 0 42		16 46 16 46	15 32 15 35	15 5 15 6	23 51 23 49 23 47	5 9 5 10 5 10	2 38 2 38 2 38
M13 T 14 W15 T 16 F 17	23 29 23 29 23 27 23 26	26 14 3 23 55 2 20 35 1 16 25 0	8 18 13 18 13 18 10 18 1554 18	8 32 8 35	4 35 4 33 4 30		1 51 1 49 1 47 1 45 1 42	5 29 5 45 6 1 6 16 6 32	1 54 1 55 1 55	20 52 20 51 20 50 20 50 20 49	0 40 0 40 0 40 0 40 0 40	16 58 16 59 17 0	1 2 1 2 1 2		0 42 0 42 0 42	22 9 22 9	0 42	13 53 13 53	16 48 16 48 16 48	15 41 15 42 15 43	15 9 15 10 15 11	23 39	5 11 5 11 5 12 5 12 5 12	2 38 2 38 2 38 2 38 2 38
S 18 S 19 M20	23 21 23 18 23 15 23 11	6 21 1 0 46 2 4s58 3	57 18 55 18 46 19	8 45 8 53	4 20 4 13 4 6	16 42 16 19 15 55	1 40 1 37 1 35 1 32	6 48 7 3 7 19 7 34	1 55 1 55 1 55	20 48 20 47 20 46 20 46	0 39 0 39 0 39 0 39	17 2 17 3 17 4	1 2	17 11 17 11 17 12	0 42 0 42 0 42	22 9 22 8 22 8	0 42	13 53 13 54 13 54	16 49 16 49 16 50	15 42 15 42 15 41	15 13 15 14 15 15	<ul><li>23 35</li><li>23 33</li><li>23 31</li></ul>	5 13 5 13 5 13 5 14	2 38 2 38 2 38 2 38
	23 7 23 3 22 58	16 3 4 20 51 5 24 39 5	57 19 11 19	9 23 9 35 9 48	3 48 3 37 3 27		1 29 1 26 1 23 1 20	7 49 8 4 8 19 8 34	1 55 1 55 1 55	20 46 20 45 20 44 20 44 20 43	0 39 0 38 0 38 0 38	17 6 17 7 17 8	1 3 1 3 1 3	17 12 17 13 17 14 17 14 17 15	0 42 0 42 0 42	22 8 22 8 22 7	0 42 0 42 0 42 0 42 0 42	13 55 13 55 13 55	16 51 16 51 16 51	15 42 15 43 15 44	15 17 15 18 15 19	23 27 23 25 23 23	5 14 5 14 5 14 5 14 5 15	2 38 2 39 2 39 2 39 2 39
S 26 M27 T 28	22 47 22 41 22 34 22 28	27 27 3 25 52 2 22 24 1 17 25 0	59 20 58 20 44 20 23 21 2058 21	0 17 0 31 0 47 1 2	3 3 2 51 2 38 2 24	13 26 13 0	1 16 1 13 1 9 1 5 1n 2	8 49 9 4 9 18 9 33 9n47	1 54 1 54 1 54 1 54	20 42 20 42	0 38 0 38 0 37 0 37	17 11	1 3 1 4 1 4 1 4	17 15	0 42 0 42 0 42 0 42	22 7 22 7 22 6	0 42 0 42 0 42 0 42	13 56 13 56	16 52 16 52 16 53 16 53	15 47 15 48 15 49 15 49	15 21 15 21 15 22 15 23	23 19 23 17 23 15 23 13	5 15 5 15 5 15 5 15 5 15 5 n15	2 39 2 39 2 39 2 39

Julian Day Number = 2298304.5, Delta T = 119.26 sec

Ecliptic obliquity = 23°29'44, Nutation = 0°00'11, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 18°53'06, Lahiri = 18°00'07 Julian Calendar 1 June 1580 == Greg. Calendar 11 June 1580

**JULY 1580 JC** 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂ <sup>™</sup>	4	ħ	)∤(	并	Р	S.	v	Ç	Ŗ	Day
F 1	19 15 47	18930'49	12 <b>)</b> 2	28 <b>I</b> I19	3 Mp 12	0 <b>8</b> 52	5°R27	15°R24	14°R 8	13937	3°R48	16≈52	18≈ 9	2599 4	7°R 5	F 1
S 2	19 19 44	19°28'02	26° 8	29°34	4°16	1°32	5 <b>₹</b> 23	15≈20	14≈ 6	13°39	3 <b>Y</b> 48	16°54	18° 6	25°11	7 <b>℃</b> 5	S 2
S 3	19 23 40	20°25'16	9 <b>Υ</b> 49	0953	5°19	2°12	5°20	15°17	14° 4	13°41	3°47	16°55	18° 3	25°18	7° 5	S 3
M 4	19 27 37	21°22'31	23° 5	2°17	6°21	2°52	5°16	15°13	14° 1	13°43	3°47	16°R55	18° 0	25°24	7° 5	M 4
T 5	19 31 33	22°19'47	6 <b>8</b> 0	3°45	7°24	3°32	5°13	15° 9	13°59	13°45	3°47	16°54	17°57	25°31	7° 5	T 5
W 6	19 35 30	23°17'03	18°37	5°18	8°26	4°12	5°10	15° 5	13°57	13°48	3°47	16°53	17°54	25°38	7° 5	W 6
T 7	19 39 26	24°14'21	0 <b>Ⅱ</b> 58	6°54	9°28	4°52	5° 7	15° 1	13°55	13°50	3°47	16°50	17°50	25°44	7° 4	T 7
F 8	19 43 23	25°11'39	13° 7	8°34	10°30	5°31	5° 4	14°57	13°53	13°52	3°46	16°47	17°47	25°51	7° 4	F 8
S 9	19 47 19	26° 8'58	25° 7	10°18	11°32	6°10	5° 2	14°53	13°50	13°54	3°46	16°43	17°44	25°57	7° 3	S 9
S 10	19 51 16	27° 6'19	7 <b>9</b> 5 1	12° 5	12°33	6°50	4°59	14°49	13°48	13°56	3°46	16°40	17°41	26° 4	7° 3	S 10
M11	19 55 13	28° 3'39	18°50	13°56	13°34	7°29	4°57	14°44	13°46	13°59	3°45	16°38	17°38	26°11	7° 2	M11
T 12	19 59 9	29° 1'01	$0\Omega 38$	15°49	14°34	8° 8	4°55	14°40	13°44	14° 1	3°45	16°36	17°34	26°17	7° 2	T 12
W13	20 3 6	29°58'23	12°26	17°45	15°35	8°46	4°53	14°36	13°41	14° 3	3°44	16°D35	17°31	26°24	7° 1	W13
T 14	20 7 2	0 <b>Ω</b> 55'46	24°16	19°44	16°35	9°25	4°52	14°32	13°39	14° 5	3°44	16°35	17°28	26°31	7° 0	T 14
F 15	20 10 59	1°53'10	6Mp12	21°44	17°34	10° 4	4°50	14°27	13°37	14° 7	3°44	16°36	17°25	26°37	7° 0	F 15
S 16	20 14 55	2°50'34	18°16	23°46	18°33	10°42	4°49	14°23	13°34	14° 9	3°43	16°37	17°22	26°44	6°59	S 16
S 17	20 18 52	3°47'59	0 <b>ჲ</b> 31	25°49	19°32	11°20	4°48	14°19	13°32	14°11	3°43	16°39	17°19	26°51	6°58	S 17
M18	20 22 48	4°45'25	13° 0	27°53	20°31	11°58	4°47	14°14	13°30	14°14	3°42	16°40	17°15	26°57	6°57	M18
T 19	20 26 45	5°42'52	25°48	29°57	21°29	12°36	4°46	14°10	13°27	14°16	3°42	16°40	17°12	27° 4	6°56	T 19
W20	20 30 42	6°40'19	8 <b>M</b> .58	2 <b>N</b> 2	22°26	13°13	4°46	14° 5	13°25	14°18	3°41	16°R40	17° 9	27°11	6°55	W20
T 21	20 34 38	7°37'47	22°32	4° 7	23°24	13°51	4°45	14° 1	13°23	14°20	3°40	16°40	17° 6	27°17	6°54	T 21
F 22	20 38 35	8°35'16	6 <b>₹</b> 31	6°12	24°20	14°28	4°D45	13°57	13°20	14°22	3°40	16°39	17° 3	27°24	6°53	F 22
S 23	20 42 31	9°32'45	20°55	8°16	25°17	15° 5	4°45	13°52	13°18	14°24	3°39	16°39	17° 0	27°31	6°52	S 23
S 24	20 46 28	10°30'16	5 <b>국</b> 41	10°19	26°13	15°42	4°45	13°48	13°16	14°26	3°39	16°38	16°56	27°37	6°51	S 24
M25	20 50 24	11°27'47	20°42	12°22	27° 8	16°18	4°46	13°43	13°13	14°28	3°38	16°37	16°53	27°44	6°49	M25
T 26	20 54 21	12°25'20	5≈52	14°23	28° 3	16°55	4°46	13°39	13°11	14°30	3°37	16°37	16°50	27°51	6°48	T 26
W27	20 58 17	13°22'53	21° 0	16°24	28°57	17°31	4°47	13°34	13° 8	14°32	3°37	16°D37	16°47	27°57	6°47	W27
T 28	21 2 14	14°20'28	5 <b>₩</b> 58	18°23	29°51	18° 7	4°48	13°30	13° 6	14°34	3°36	16°37	16°44	28° 4	6°45	T 28
F 29	21 6 11	15°18'04	20°38	20°21	0 <b>ჲ</b> 44	18°43	4°49	13°25	13° 4	14°36	3°35	16°37	16°40	28°11	6°44	F 29
S 30	21 10 7	16°15'41	4 <b>℃</b> 55	22°18	1°37	19°19	4°51	13°21	13° 1	14°38	3°35	16°R37	16°37	28°17	6°42	S 30
S 31	21 14 4	17 <b>Ω</b> 13'20	18 <b>Y</b> 45	24⋒13	2 <b>ჲ</b> 29	19 <b>8</b> 54	4 <b>₹</b> 52	13 <b>≈</b> 16	12≈59	149540	3 <b>Y</b> 34	16≈37	16≈34	28924	6 <b>Υ</b> 41	S 31

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	decl	decl lat	t	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1 S 2	22n13 22 5			21n32 21 46	1 s57 1 44	11n15 10 48		10n 1 10 15		20 s40 20 39	0n37 0 37			17 s18 17 19		22n 6 22 6	0 s42 0 42	13 s58 13 58					5n15 5 15	2n39 2 39
S 3 M 4 T 5 W 6 T 7	21 29	13 27 4 18 24 5 22 26 5	5 14		1 2 0 49	9 54 9 26 8 59	0 45 0 41 0 36	10 29 10 43 10 57 11 10 11 24	1 53 1 53 1 53	20 39 20 38 20 38 20 38 20 37	0 36 0 36 0 36 0 36	17 20 17 22 17 23	1 4 1 5 1 5		0 42 0 42 0 43	22 5 22 5 22 5	0 42 0 42 0 42 0 42 0 42	13 59 13 59 14 0	16 55 16 55 16 56	15 48 15 48 15 49	15 28 15 29 15 30	23 3	5 15 5 15 5 15 5 15 5 15	2 39 2 39 2 39 2 40 2 40
F 8 S 9	21 19 21 9 20 58	27 5 4	4 42	22 51	0 22	8 3	0 26	11 24 11 37 11 51	1 53	20 37 20 37 20 37	0 35	17 24 17 26 17 27	1 5	17 23 17 23	0 43	22 4	0 42 0 42 0 42	14 1	16 56	15 51	15 32	22 55 22 53	5 15 5 15	2 40 2 40 2 40
S 10 M11 T 12 W13 T 14 F 15 S 16	20 36	24 36 2 21 29 1 17 29 0 12 48 0 7 36 1	2 27 1 27 0 23 0 s42 1 47	23 0 23 1 22 59 22 55 22 49 22 40 22 28	0n 3 0 15 0 26 0 37 0 47 0 56 1 5	6 39 6 11 5 42 5 14 4 45	0 11 0 6 0 0 0s 5 0 11	12 17 12 29 12 42 12 55	1 52 1 52 1 51 1 51 1 51	20 36 20 36 20 36	0 34 0 34	17 30	1 6	17 25 17 25	0 43 0 43 0 43 0 43 0 43	22 4 22 3 22 3 22 3 22 3	0 42 0 42 0 42 0 42 0 42 0 42 0 42	14 2 14 3 14 3 14 3 14 4	16 57 16 58 16 58 16 58 16 59	15 54 15 54 15 54 15 54	15 35 15 36 15 37 15 38 15 39	22 49 22 47 22 45 22 43	5 15 5 15 5 15 5 14 5 14 5 14 5 14	2 40 2 40 2 40 2 40 2 40 2 40 2 40
S 17 M18 T 19 W20 T 21 F 22 S 23	18 39 18 24 18 9	9 12 4 14 36 4 19 29 5 23 32 5 26 21 4	4 57 5 14 5 16 4 59	22 13 21 56 21 36 21 14 20 49 20 22 19 53	1 12 1 19 1 25 1 31 1 35 1 39 1 42	1 26	0 28 0 35 0 41 0 47 0 54		1 50 1 49 1 49 1 48 1 48	20 36 20 36 20 36 20 36 20 36 20 36 20 37	0 33 0 33 0 33 0 33 0 33 0 32 0 32	17 39 17 40 17 42 17 43	1 6 1 6 1 6 1 6 1 7	17 30 17 31	0 43 0 43 0 43 0 43 0 43	22 2 22 2 22 2 22 1 22 1	0 42 0 42 0 42 0 42 0 42 0 42 0 42	14 5 14 6 14 6 14 7 14 7	17 0 17 0 17 0 17 1 17 1	15 53 15 53 15 53 15 53 15 53	15 42 15 43 15 44 15 45 15 46	22 36 22 34 22 32 22 30 22 28 22 26 22 24	5 13 5 13	2 40 2 40 2 40 2 41 2 41 2 41 2 41
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	17 23 17 7 16 51 16 34 16 17 16 0	24 11 2 19 49 0 14 9 0 7 42 1 0 59 2 5n35 3	2 19 0 59 0n24 1 46 2 58 3 57	19 22 18 49 18 15 17 39 17 2 16 23 15 44 15n 3	1 44 1 45 1 46 1 46 1 45 1 44 1 42	0 1 0s27 0 55 1 23 1 51 2 19	1 14 1 21 1 28 1 35 1 42 1 49	15 14 15 25 15 35	1 47 1 46 1 45 1 45 1 44 1 44	20 37 20 37 20 37 20 38 20 38 20 39 20 39 20 839		17 49 17 50 17 51 17 53	1 7 1 7 1 7 1 7 1 7 1 7	17 34 17 34 17 35 17 36 17 36 17 37 17 38	0 43 0 43 0 43 0 43 0 43 0 43	22 1 22 0 22 0 22 0 22 0	0 42 0 42 0 42 0 42 0 42 0 42	14 9 14 10 14 10 14 11 14 11	17 2 17 2 17 3 17 3 17 3 17 3	15 54 15 54 15 54 15 53 15 53	15 49 15 50 15 51 15 52 15 53 15 53	22 19 22 17 22 15 22 13 22 11 22 8		2 41 2 41 2 41 2 41 2 41 2 41 2 41 2 41

Julian Day Number = 2298334.5, Delta T = 119.12 sec

Ecliptic obliquity = 23°29'44, Nutation = 0°00'12, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 18°53'10, Lahiri = 18°00'11 Julian Calendar 1 July 1580 == Greg. Calendar 11 July 1580

AUGUST 1580 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)ұ(	¥	Р	R	v	Ç	ķ	Day
M 1	21 18 0	18Ω11'01	2 <b>8</b> 8	26 <b>Ω</b> 7	3 <u>₽</u> 20	20829	4 <b>₹</b> 54	13°R12	12°R56	149542	3°R33	16°R37	16≈31	28931	6°R39	M 1
T 2	21 21 57	19° 8'43	15° 6	27°59	4°11	21° 4	4°56	13≈ 7	12≈54	14°44	3 <b>Y</b> 32	16°D37	16°28	28°37	6 <b>Ƴ</b> 37	T 2
W 3	21 25 53	20° 6'27	27°42	29°51	5° 1	21°39	4°58	13° 3	12°52	14°46	3°32	16 <b>≈</b> 37	16°25	28°44	6°36	W 3
T 4	21 29 50	21° 4'13	10 <b>I</b> 1	1 <b>m</b> 40	5°50	22°14	5° 0	12°59	12°49	14°48	3°31	16°37	16°21	28°50	6°34	T 4
F 5	21 33 46	22° 2'00	22° 5	3°29	6°39	22°48	5° 2	12°54	12°47	14°50	3°30	16°38	16°18	28°57	6°32	F 5
S 6	21 37 43	22°59'49	495 0	5°16	7°27	23°22	5° 5	12°50	12°45	14°51	3°29	16°39	16°15	29° 4	6°30	S 6
S 7	21 41 40	23°57'40	15°49	7° 1	8°14	23°56	5° 8	12°45	12°42	14°53	3°28	16°39	16°12	29°10	6°29	S 7
M 8	21 45 36	24°55'32	27°37	8°46	9° 1	24°30	5°11	12°41	12°40	14°55	3°27	16°40	16° 9	29°17	6°27	M 8
T 9	21 49 33	25°53'26	9 <b>Ω</b> 25	10°29	9°46	25° 3	5°14	12°37	12°38	14°57	3°27	16°40	16° 6	29°24	6°25	T 9
W10	21 53 29	26°51'21	21°17	12°10	10°31	25°36	5°17	12°32	12°35	14°59	3°26	16°R40	16° 2	29°30	6°23	W10
T 11	21 57 26	27°49'18	3 m 15	13°50	11°15	26° 9	5°20	12°28	12°33	15° 0	3°25	16°40	15°59	29°37	6°21	T 11
F 12	22 1 22	28°47'16	15°21	15°29	11°58	26°41	5°24	12°24	12°31	15° 2	3°24	16°39	15°56	29°44	6°19	F 12
S 13	22 5 19	29°45'16	27°37	17° 7	12°39	27°14	5°28	12°20	12°28	15° 4	3°23	16°37	15°53	29°50	6°17	S 13
S 14	22 9 15	0 Mp 43'18	10 <b>♀</b> 5	18°43	13°20	27°45	5°32	12°16	12°26	15° 5	3°22	16°35	15°50	29°57	6°14	S 14
M15	22 13 12	1°41'21	22°45	20°18	14° 0	28°17	5°36	12°11	12°24	15° 7	3°21	16°33	15°46	0Ω 4	6°12	M15
T 16	22 17 9	2°39'25	5 <b>M</b> .41	21°52	14°39	28°48	5°40	12° 7	12°22	15° 9	3°20	16°31	15°43	0°10	6°10	T 16
W17	22 21 5	3°37'31	18°53	23°25	15°17	29°19	5°45	12° 3	12°20	15°10	3°19	16°30	15°40	0°17	6° 8	W17
T 18	22 25 2	4°35'38	2 <b>~</b> 24	24°56	15°53	29°50	5°49	11°59	12°17	15°12	3°18	16°D30	15°37	0°24	6° 5	T 18
F 19 S 20	22 28 58 22 32 55	5°33'47 6°31'57	16°14 0 <b>る</b> 23	26°26 27°55	16°28 17° 2	0 <b>Ⅲ</b> 21 0°51	5°54 5°59	11°55 11°52	12°15 12°13	15°14 15°15	3°17 3°16	16°30 16°31	15°34 15°31	0°30 0°37	6° 3 6° 1	F 19 S 20
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S 21	22 36 51	7°30'09	14°51	29°22	17°35	1°21	6° 4	11°48	12°11	15°17	3°15	16°32	15°27	0°44	5°58	S 21
M22	22 40 48	8°28'22	29°33	0 <u>ჲ</u> 48	18° 6	1°50	6°10	11°44	12° 9	15°18	3°14	16°33	15°24	0°50	5°56	M22
T 23	22 44 44	9°26'37	14≈25	2°13	18°36	2°19	6°15	11°40	12° 7	15°20	3°13	16°R34	15°21	0°57	5°54	T 23
W24	22 48 41	10°24'53	29°20	3°36	19° 4	2°48	6°21	11°37	12° 5	15°21	3°12	16°34	15°18	1° 4	5°51	W24
T 25	22 52 38	11°23'11 12°21'31	14 <b>)</b> 10	4°58 6°19	19°30 19°55	3°16 3°45	6°26	11°33 11°30	12° 3 12° 1	15°23 15°24	3°11 3°10	16°32 16°29	15°15 15°12	1°10 1°17	5°49 5°46	T 25 F 26
F 26 S 27	22 56 34 23 0 31	12°21'31 13°19'53	28°47 13 <b>°</b> 7 5	7°38	19°55 20°19	3°45 4°12	6°32 6°38	11°30 11°26	12° 1 11°59	15°24 15°25	3°10	16°29 16°25	15°12 15° 8	1°17 1°23	5°46 5°44	F 26 S 27
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S 28	23 4 27	14°18'17	27° 0	8°56	20°40	4°40	6°45	11°23	11°57	15°27	3° 7	16°21	15° 5	1°30	5°41	S 28
M29	23 8 24	15°16'42	10829	10°12	21° 0	5° 7	6°51	11°19	11°55	15°28	3° 6	16°17	15° 2	1°37	5°39	M29
T 30	23 12 20	16°15'11	23°31	11°27 12 <b>Ω</b> 40	21°18	5°33	6°58	11°16	11°53	15°29	3° 5	16°14	14°59	1°43	5°36	T 30
W31	23 16 17	17 Mp 13'41	6 <b>I</b> I11	12340	21 <b>≏</b> 34	5 <b>Ⅱ</b> 59	7 <b>,₹</b> 1 4	11 <b>≈</b> 13	11≈52	15931	3 <b>℃</b> 4	16≈12	14≈56	1 <b>Q</b> 50	5 <b>Ƴ</b> 33	W31

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M 1			8 14n22	1n37 3s1			3 20 s40	0n30			17 s39		21n59 0s4						5n 7	2n41
T 2	15 7		8 13 40	1 34 3 4	1		20 41	0 30			17 40		21 59 0 4			15 54			5 6	2 41
W 3	14 49	-	2 12 57				20 41	0 30	_		17 40		21 59 0 4			15 54		-	5 5	2 41
T 4		26 49 4 5		1 26 4 3		45 1 4		0 30	-	1 8			21 58 0 4			15 53		21 58	5 5	2 41
F 5		27 34 4 1					20 42	0 29	_	1 8			21 58 0 4			15 53		21 55	5 4	2 41
S 6	13 53	27 1 3 3	5 10 47	1 16 5 2	8 2 44 17	3 1 39	20 43	0 29	18 5	1 8	17 43	0 43	21 58 0 4	2 14 16	17 5	15 53	16 0	21 53	5 3	2 41
S 7	13 34	25 15 2 4	3 10 3	1 11 5 5	4 2 52 17	12 1 39	20 44	0 29	18 6	1 8	17 43	0 43	21 58 0 4	2 14 16	17 6	15 53	16 1	21 51	5 3	2 41
M 8	13 15	22 23 1 4	4 9 18	1 5 6 2	0 3 0 17	21 1 38	3 20 44	0 29	18 8	1 8	17 44	0 43	21 58 0 4	2 14 17	17 6	15 53	16 2	21 49	5 2	2 41
T 9	12 55	18 35 0 4	0 8 34	0 59 6 4	6 3 9 17	30 1 37	20 45	0 29	18 9	1 8	17 44	0 43	21 57 0 4	2 14 17	17 6	15 53	16 3	21 46	5 1	2 41
W10	12 35	14 2 0s2	6 7 49	0 53 7 1	1 3 17 17	38 1 37	20 46	0 28	18 10	1 8	17 45	0 43	21 57 0 4	2 14 18	17 6	15 53	16 4	21 44	5 1	2 41
T 11	12 15	8 56 1 3	1 7 5	0 46 7 3	6 3 25 17	47 1 30	20 47	0 28	18 11	1 8	17 46	0 43	21 57 0 4	2 14 18	17 7	15 53	16 5	21 42	5 0	2 41
F 12	11 55	3 27 2 3	2 6 20	0 39 8	1 3 34 17	55 1 35	20 48	0 28	18 13	1 8	17 46	0 43	21 57 0 4	2 14 19	17 7	15 53	16 6	21 40	4 59	2 42
S 13	11 35	2s14 3 2	8 5 36	0 32 8 2	6 3 43 18	3 1 34	1 20 48	0 28	18 14	1 8	17 47	0 43	21 57 0 4	2 14 20	17 7	15 53	16 7	21 38	4 58	2 42
S 14	11 15	7 54 4 1	4 4 51	0 25 8 5	0 3 51 18	11 1 33	20 49	0 28	18 15	1 8	17 48	0 43	21 56 0 4	2 14 20	17 7	15 54	16 8	21 35	4 57	2 42
M15	10 54	13 20 4 4	9 4 7	0 18 9 1	3 4 0 18	19 1 33	20 50	0 28	18 16	1 8	17 48	0 43	21 56 0 4	2 14 21	17 7	15 55	16 9	21 33	4 56	2 42
T 16	10 33	18 19 5 1	0 3 23	0 10 9 3	7 4 9 18	27 1 32	2 20 51	0 27	18 17	1 8	17 49	0 43	21 56 0 4	2 14 21	17 8	15 55	16 10	21 31	4 56	2 42
W17	10 12	22 32 5 1	6 2 40	0 3 9 5	9 4 18 18		20 52	0 27	18 19	1 8	17 49	0 43	21 56 0 4			15 56		-	4 55	2 42
T 18	9 51		4 1 56	0s 5 10 2			20 53	0 27		1 8		0 43	21 56 0 4			15 56			4 54	2 42
F 19	9 30		-	0 13 10 4			20 54	0 27	_		17 51		21 55 0 4	-		15 56			4 53	2 42
S 20	9 8	27 18 3 4	8 0 31	0 21 11	5 4 45 18	56 1 28	3 20 55	0 27	18 22	1 8	17 51	0 43	21 55 0 4	2 14 24	17 8	15 55	16 13	21 22	4 52	2 42
S 21	8 46	25 25 2 4	6 0s12	0 29 11 2	6 4 54 19	3 1 2	20 56	0 26	18 23	1 8	17 52	0 43	21 55 0 4	2 14 24	17 8	15 55	16 14	21 19	4 51	2 42
M22	8 25	21 48 1 3	3 0 54	0 38 11 4	6 5 3 19	10 1 20	5 20 57	0 26	18 24	1 8	17 52	0 43	21 55 0 4	2 14 25	17 9	15 55	16 15	21 17	4 50	2 42
T 23	8 3	16 44 0 1	2 1 35	0 46 12	6 5 12 19	17 1 25	20 59	0 26	18 25	1 8	17 53	0 43	21 55 0 4	2 14 25	17 9	15 55	16 16	21 15	4 49	2 42
W24	7 41	10 39 1n1	0 2 16	0 54 12 2	5 21 19	24 1 24	1 21 0	0 26	18 26	1 8	17 54	0 43	21 55 0 4	2 14 26	17 9	15 55	16 17	21 12	4 48	2 42
T 25	7 19	4 0 2 2	6 2 56	1 2 12 4	4 5 30 19		3 21 1	0 26	18 27	1 8	17 54	0 43	21 54 0 4	2 14 26	17 9	15 55	16 18	21 10	4 47	2 42
F 26	6 56		2 3 36	1 11 13	2 5 39 19		2 21 2	0 25		1 8	17 55	0 43	21 54 0 4	2 14 27	17 9	15 56	16 19	21 8	4 46	2 42
S 27	6 34	9 12 4 2	2 4 15	1 19 13 1	9 5 48 19	43 1 2	21 3	0 25	18 29	1 8	17 55	0 43	21 54 0 4	2 14 27	17 9	15 57	16 20	21 6	4 45	2 42
S 28	6 12	15 1 4 5	6 4 53	1 27 13 3	6 5 57 19	49 1 20	21 4	0 25	18 30	1 8	17 56	0 43	21 54 0 4	2 14 28	17 10	15 58	16 21	21 3	4 44	2 42
M29	5 49	19 56 5 1	2 5 31	1 36 13 5	1 6 6 19	55 1 19	21 6	0 25	18 31	1 8	17 56	0 43	21 54 0 4	2 14 29	17 10	15 59	16 22	21 1	4 43	2 42
T 30	5 26	23 43 5 1	1 6 8	1 44 14	6 6 14 20	1 1 17	7 21 7	0 25	18 32	1 8	17 57	0 42	21 54 0 4	2 14 29	17 10	16 0	16 23	20 59	4 42	2 42
W31	5n 3	26n14 4n5	5 6 s44	1 s52 14 s2	0 6s23 20	n 6 1s16	21s 8	0n25	18 s 3 3	1s 8	17 s57	0 s42	21n53 0s4	2 14 s 3 0	17s10	16s 1	16 s24	20n56	4n41	2n41

Julian Day Number = 2298365.5, Delta T = 118.97 sec

Ecliptic obliquity =  $23^{\circ}29'44$ , Nutation =  $0^{\circ}00'13$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°53'15, Lahiri = 18°00'15 Julian Calendar 1 Aug. 1580 == Greg. Calendar 11 Aug. 1580

SEPTEMBER 1580 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	¥	Р	ß	Ω	Ç	ę,	Day
T 1	23 20 13	18 <b>m</b> ) 12'14	18 <b>II</b> 30	13 <b>≏</b> 51	21 <b>≏</b> 49	6Д25	7 <b>√</b> 11	11°R10	11°R50	15932	3°R 3	16°D12	14≈52	1 <b>Ω</b> 57	5°R31	T 1
F 2	23 24 10	19°10'48	0ഇ34	15° 0	22° 1	6°51	7°18	11≈ 7	11≈48	15°33	3 <b>Υ</b> 2	16≈12	14°49	2° 3	5 <b>Υ</b> 28	F 2
S 3	23 28 7	20° 9'25	12°28	16° 8	22°11	7°15	7°25	11° 4	11°46	15°34	3° 1	16°14	14°46	2°10	5°25	S 3
S 4	23 32 3	21° 8'05	24°16	17°13	22°19	7°40	7°32	11° 1	11°45	15°35	2°59	16°16	14°43	2°17	5°23	S 4
M 5	23 36 0	22° 6'46	6Ω 4	18°16	22°24	8° 4	7°40	10°58	11°43	15°36	2°58	16°17	14°40	2°23	5°20	M 5
T 6	23 39 56	23° 5'29	17°55	19°17	22°28	8°28	7°47	10°55	11°41	15°38	2°57	16°R18	14°37	2°30	5°17	T 6
W 7	23 43 53	24° 4'15	29°53	20°15	22°R29	8°51	7°55	10°53	11°40	15°39	2°56	16°17	14°33	2°37	5°14	W 7
T 8	23 47 49	25° 3'03	12 mp 1	21°11	22°28	9°13	8° 3	10°50	11°38	15°40	2°55	16°14	14°30	2°43	5°12	T 8
F 9	23 51 46	26° 1'52	24°21	22° 3	22°25	9°36	8°11	10°48	11°37	15°41	2°54	16° 9	14°27	2°50	5° 9	F 9
S 10	23 55 42	27° 0'44	6 <b>₽</b> 54	22°52	22°19	9°57	8°19	10°45	11°35	15°42	2°53	16° 3	14°24	2°57	5° 6	S 10
S 11	23 59 39	27°59'38	19°41	23°38	22°11	10°18	8°27	10°43	11°34	15°43	2°51	15°55	14°21	3° 3	5° 3	S 11
M12	0 3 35	28°58'33	2 <b>M</b> .40	24°20	22° 0	10°39	8°35	10°41	11°33	15°43	2°50	15°48	14°17	3°10	5° 0	M12
T 13	0 732	29°57'31	15°53	24°58	21°47	10°59	8°44	10°38	11°31	15°44	2°49	15°41	14°14	3°16	4°58	T 13
W14	0 11 29	0 <b>ჲ</b> 56'30	29°18	25°32	21°32	11°18	8°52	10°36	11°30	15°45	2°48	15°35	14°11	3°23	4°55	W14
T 15	0 15 25	1°55'32	12 <b>×</b> 756	26° 1	21°14	11°37	9° 1	10°34	11°29	15°46	2°47	15°32	14° 8	3°30	4°52	T 15
F 16	0 19 22	2°54'35	26°45	26°24	20°54	11°56	9°10	10°32	11°27	15°47	2°45	15°D30	14° 5	3°36	4°49	F 16
S 17	0 23 18	3°53'40	10 <b>ප්</b> 45	26°42	20°32	12°14	9°19	10°31	11°26	15°48	2°44	15°30	14° 2	3°43	4°46	S 17
S 18	0 27 15	4°52'46	24°56	26°54	20° 8	12°31	9°28	10°29	11°25	15°48	2°43	15°31	13°58	3°50	4°44	S 18
M19	0 31 11	5°51'55	9 <b>≈</b> 16	26°R59	19°41	12°48	9°37	10°27	11°24	15°49	2°42	15°R32	13°55	3°56	4°41	M19
T 20	0 35 8	6°51'05	23°44	26°58	19°13	13° 4	9°46	10°26	11°23	15°50	2°41	15°32	13°52	4° 3	4°38	T 20
W21	0 39 4	7°50'17	8 <b>) (</b> 14	26°49	18°43	13°19	9°56	10°24	11°22	15°50	2°40	15°30	13°49	4°10	4°35	W21
T 22	0 43 1	8°49'30	22°43	26°32	18°11	13°34	10° 5	10°23	11°21	15°51	2°38	15°25	13°46	4°16	4°32	T 22
F 23	0 46 58	9°48'46	7 <b>Υ</b> 4	26° 7	17°38	13°48	10°15	10°22	11°20	15°51	2°37	15°19	13°43	4°23	4°29	F 23
S 24	0 50 54	10°48'04	21°11	25°34	17° 4	14° 2	10°25	10°21	11°19	15°52	2°36	15°10	13°39	4°30	4°27	S 24
S 25	0 54 51	11°47'23	5 <b>8</b> 0	24°53	16°29	14°15	10°34	10°20	11°18	15°52	2°35	15° 0	13°36	4°36	4°24	S 25
M26	0 58 47	12°46'46	18°26	24° 4	15°53	14°27	10°44	10°19	11°18	15°53	2°34	14°51	13°33	4°43	4°21	M26
T 27	1 2 44	13°46'10	1∏29	23° 7	15°16	14°38	10°54	10°18	11°17	15°53	2°33	14°42	13°30	4°50	4°18	T 27
W28	1 6 40	14°45'37	14°10	22° 4	14°40	14°49	11° 5	10°17	11°16	15°54	2°31	14°36	13°27	4°56	4°16	W28
T 29	1 10 37	15°45'06	26°31	20°56	14° 3	14°59	11°15	10°17	11°16	15°54	2°30	14°32	13°23	5° 3	4°13	T 29
F 30	1 14 33	16 <b>₽</b> 44'37	8936	19 <b>≏</b> 45	13 <b>≏</b> 26	15 <b>II</b> 8	11 <b>×</b> 25	10≈16	11≈15	159554	2 <b>Y</b> 29	14 <b>≈</b> 30	13≈20	5 <b>N</b> 9	<b>4Υ</b> 10	F 30

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T 1	4n41	27n24	4n25	7s19	2s 0	14 s34	6 s 3 2	20n12	1 s 1 5	21 s10	0n24	18 s 3 4	1 s 8	17 s58	0 s42	21n53	0 s42	14 s 3 0	17s10	16s 1	16 s25	20n54	4n40	2n41
F 2		27 14	3 44		2 8			20 17		21 11	0 24			17 58		21 53						20 52	4 39	2 41
S 3	3 54	25 48	2 54	8 27	2 16	14 57	6 48	20 23	1 13	21 12	0 24	18 35	1 8	17 59	0 42	21 53	0 42	14 31	17 10	16 1	16 27	20 49	4 38	2 41
S 4	3 31	23 14	1 58	8 59	2 23	15 8	6 56	20 28	1 11	21 14	0 24	18 36	1 8	17 59	0 42	21 53	0 42	14 32	17 10	16 0	16 27	20 47	4 37	2 41
M 5	3 8	19 42	0 56	9 30	2 31	15 17	7 4	20 33	1 10	21 15	0 24	18 37	1 8	17 59	0 42	21 53	0 42	14 32	17 10	16 0	16 28	20 44	4 35	2 41
T 6	2 45	15 22	0s 9	10 0	2 38	15 25	7 12	20 38	1 9	21 16	0 24	18 38	1 8	18 0	0 42	21 53	0 42	14 33	17 10	15 59	16 29	20 42	4 34	2 41
W 7	2 22	10 24	1 13	10 29	2 45	15 33	7 19	20 43	1 7	21 18	0 23	18 39	1 8	18 0	0 42	21 52	0 42	14 33	17 11	16 0	16 30	20 40	4 33	2 41
T 8	1 58	4 59	2 15	10 56	2 52	15 39		20 48		21 19	0 23		1 8	18 1	0 42	21 52					16 31	20 37	4 32	2 41
F 9	1 35	0 s41	3 12	11 22	2 59	15 43		20 53		21 21	0 23			18 1		21 52	-	14 34		-	16 32		4 31	2 41
S 10	1 11	6 25	4 0	11 46	3 5	15 47	7 38	20 57	1 3	21 22	0 23	18 41	1 8	18 2	0 42	21 52	0 43	14 35	17 11	16 4	16 33	20 33	4 30	2 41
S 11	0 48	11 59	4 37	12 9	3 11	15 49	7 44	21 2	1 2	21 24	0 23	18 41	1 8	18 2	0 42	21 52	0 43	14 35	17 11	16 6	16 34	20 30	4 29	2 41
M12	0 24	17 8	5 1	12 29	3 16	15 50	7 49	21 6	1 0	21 25	0 23	18 42	1 8	18 2	0 42	21 52	0 43	14 36	17 11	16 8	16 35	20 28	4 27	2 41
T 13	0 1	21 33	5 9	12 48	3 21	15 49	7 54	21 11	0 59	21 26	0 22	18 42	1 8	18 3	0 42	21 52	0 43	14 36	17 11	16 10	16 36	20 25	4 26	2 41
W14	0 s23	24 56	5 0	13 4	3 25	15 47		21 15	0 57	21 28	0 22		1 8	18 3	0 42	21 52	0 43	14 37	17 11	16 12	16 37	20 23	4 25	2 41
T 15	0 46	26 56	4 34	13 18	3 28	15 44		21 19		21 29	0 22		1 8	18 3	0 42	21 51					16 38		4 24	2 41
F 16		27 20		13 29	3 31			21 23		21 31	0 22		1 8	-		21 51		14 38		-	16 39		4 23	2 41
S 17	1 33	25 59	2 56	13 38	3 33	15 32	8 7	21 27	0 52	21 32	0 22	18 44	1 8	18 4	0 42	21 51	0 43	14 38	17 11	16 14	16 39	20 16	4 21	2 41
S 18	1 57	22 59	1 49	13 43	3 34	15 24	8 8	21 31	0 50	21 34	0 22	18 45	1 8	18 4	0 42	21 51	0 43	14 39	17 11	16 13	16 40	20 13	4 20	2 41
M19	2 20	18 31	0 34	13 45	3 34	15 15	8 9	21 35	0 49	21 36	0 21	18 45	1 8	18 4	0 42	21 51	0 43	14 39	17 11	16 13	16 41	20 11	4 19	2 41
T 20	2 44	12 57	0n44	13 44	3 33	15 4	8 9	21 39	0 47	21 37	0 21	18 46	1 8	18 5	0 42	21 51	0 43	14 40	17 11	16 13	16 42	20 9	4 18	2 40
W21	3 7		1 59	13 38	3 31	14 51		21 42		21 39	0 21	18 46	1 8	18 5		21 51				-	16 43		4 17	2 40
T 22	3 30			13 28				21 46		21 40	0 21	18 46		18 5		21 51					16 44		4 15	2 40
F 23	3 54	6n29	4 0	13 14	3 22	14 22	-	21 49	0 41	21 42	0 21	18 47	1 8	18 5	0 42	21 51	-	14 41			16 45		4 14	2 40
S 24	4 17	12 36	4 39	12 56	3 15	14 5	8 0	21 53	0 40	21 43	0 21	18 47	1 8	18 6	0 42	21 51	0 43	14 41	17 11	16 20	16 46	19 59	4 13	2 40
S 25	4 40	17 56	5 1	12 32	3 6	13 47	7 55	21 56	0 38	21 45	0 21	18 47	1 8	18 6	0 42	21 51	0 43	14 42	17 11	16 22	16 47	19 56	4 12	2 40
M26	5 4	22 14	5 5	12 4	2 55	13 28	7 50	22 0	0 36	21 46	0 20	18 47	1 8	18 6	0 42	21 50	0 43	14 42	17 11	16 25	16 48	19 54	4 11	2 40
T 27	5 27	25 16	4 52	11 31	2 43	13 8	7 43	22 3	0 34	21 48	0 20	18 48	1 8	18 6	0 42	21 50	0 43	14 42	17 10	16 28	16 49	19 51	4 9	2 40
W28	5 50	26 57		10 55	2 29	12 47	7 36		0 32	21 49	0 20	18 48	1 8	18 6	0 42	21 50	0 43	14 43	17 10	16 30	16 50	19 49	4 8	2 40
T 29	6 13	27 14	3 48	10 14	2 12	12 25	7 28			21 51	0 20	18 48	1 8	18 7		21 50		-			16 50		4 7	2 40
F 30	6 s 3 6	26n12	3n 0	9s31	1 s55	12s 3	7s19	22n13	0 s28	21 s53	0n20	18 s48	1 s 8	18 s 7	0 s42	21n50	0 s43	14 s44	17s10	16 s 3 1	16 s 5 1	19n44	4n 6	2n39

Julian Day Number = 2298396.5, Delta T = 118.82 sec

Ecliptic obliquity = 23°29'45, Nutation = 0°00'12, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 18°53'19, Lahiri = 18°00'19 Julian Calendar 1 Sept. 1580 == Greg. Calendar 11 Sept. 1580

OCTOBER 1580 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	卉	Р	S.	v	Ç	ķ	Day
S 1	1 18 30	17 <b>≏</b> 44'11	20@29	18°R31	12°R50	15 <b>II</b> 17	11 <b>×</b> 736	10°R16	11°R15	15955	2°R28	14°D29	13≈17	5 <b>Ω</b> 16	4°R 7	S 1
S 2	1 22 27	18°43'47	2 <b>Ω</b> 18	17 <b>≙</b> 18	12 <b>Ω</b> 15	15°25	11°46	10≈15	11≈14	15°55	2 <b>Y</b> 27	14≈30	13°14	5°23	<b>4Υ</b> 5	S 2
M 3	1 26 23	19°43'25	14° 6	16° 7	11°41	15°32	11°57	10°15	11°14	15°55	2°26	14°R30	13°11	5°29	4° 2	M 3
T 4	1 30 20	20°43'05	26° 0	15° 0	11° 7	15°38	12° 8	10°15	11°13	15°55	2°25	14°29	13° 8	5°36	3°59	T 4
W 5	1 34 16	21°42'48	8 mg 3	14° 0	10°35	15°43	12°18	10°D15	11°13	15°55	2°24	14°27	13° 4	5°43	3°57	W 5
T 6	1 38 13	22°42'33	20°20	13° 8	10° 5	15°48	12°29	10°15	11°13	15°56	2°22	14°22	13° 1	5°49	3°54	T 6
F 7	1 42 9	23°42'19	2 <b>॒</b> 53	12°26	9°37	15°52	12°40	10°15	11°12	15°56	2°21	14°14	12°58	5°56	3°51	F 7
S 8	1 46 6	24°42'09	15°43	11°54	9°10	15°55	12°52	10°16	11°12	15°56	2°20	14° 3	12°55	6° 3	3°49	S 8
S 9	1 50 2	25°42'00	28°52	11°34	8°45	15°57	13° 3	10°16	11°12	15°R56	2°19	13°51	12°52	6° 9	3°46	S 9
M10	1 53 59	26°41'53	12 <b>M</b> .16	11°D25	8°23	15°58	13°14	10°16	11°12	15°56	2°18	13°39	12°49	6°16	3°44	M10
T 11	1 57 56	27°41'48	25°53	11°27	8° 2	15°R58	13°25	10°17	11°D12	15°56	2°17	13°27	12°45	6°23	3°41	T 11
W12	2 1 52	28°41'45	9 <b>~</b> 41	11°40	7°44	15°58	13°37	10°18	11°12	15°56	2°16	13°18	12°42	6°29	3°39	W12
T 13	2 5 49	29°41'44	23°37	12° 4	7°29	15°56	13°48	10°19	11°12	15°55	2°15	13°11	12°39	6°36	3°36	T 13
F 14	2 9 45	0 <b>M</b> .41'44	7 <b>云</b> 37	12°37	7°15	15°54	14° 0	10°19	11°12	15°55	2°14	13° 6	12°36	6°42	3°34	F 14
S 15	2 13 42	1°41'46	21°40	13°19	7° 4	15°51	14°12	10°20	11°12	15°55	2°13	13° 5	12°33	6°49	3°31	S 15
S 16	2 17 38	2°41'50	5≈45	14° 8	6°56	15°47	14°24	10°22	11°13	15°55	2°12	13° 4	12°29	6°56	3°29	S 16
M17	2 21 35	3°41'55	19°51	15° 5	6°50	15°42	14°35	10°23	11°13	15°55	2°11	13° 4	12°26	7° 2	3°26	M17
T 18	2 25 31	4°42'01	3 <b>∺</b> 57	16° 8	6°46	15°36	14°47	10°24	11°13	15°54	2°10	13° 3	12°23	7° 9	3°24	T 18
W19	2 29 28	5°42'09	18° 3	17°17	6°D45	15°29	14°59	10°25	11°14	15°54	2° 9	13° 0	12°20	7°16	3°22	W19
T 20	2 33 25	6°42'19	2 <b>Υ</b> 4	18°30	6°47	15°22	15°11	10°27	11°14	15°54	2°8	12°53	12°17	7°22	3°20	T 20
F 21	2 37 21	7°42'30	16° 0	19°47	6°50	15°13	15°23	10°29	11°15	15°53	2° 7	12°44	12°14	7°29	3°17	F 21
S 22	2 41 18	8°42'43	29°45	21° 7	6°57	15° 4	15°36	10°30	11°15	15°53	2° 6	12°32	12°10	7°36	3°15	S 22
S 23	2 45 14	9°42'58	13816	22°30	7° 5	14°54	15°48	10°32	11°16	15°52	2° 5	12°19	12° 7	7°42	3°13	S 23
M24	2 49 11	10°43'15	26°30	23°56	7°15	14°43	16° 0	10°34	11°16	15°52	2° 5	12° 6	12° 4	7°49	3°11	M24
T 25	2 53 7	11°43'34	9∏25	25°24	7°28	14°31	16°13	10°36	11°17	15°51	2° 4	11°54	12° 1	7°56	3° 9	T 25
W26	2 57 4	12°43'54	22° 1	26°53	7°43	14°19	16°25	10°38	11°18	15°51	2° 3	11°44	11°58	8° 2	3° 7	W26
T 27	3 1 0	13°44'16	49520	28°24	8° 0	14° 5	16°38	10°40	11°19	15°50	2° 2	11°37	11°54	8° 9	3° 5	T 27
F 28	3 4 57	14°44'41	16°24	29°56	8°19	13°51	16°50	10°43	11°19	15°50	2° 1	11°33	11°51	8°16	3° 3	F 28
S 29	3 8 54	15°45'07	28°17	1 <b>M</b> 29	8°40	13°36	17° 3	10°45	11°20	15°49	2° 0	11°31	11°48	8°22	3° 1	S 29
S 30	3 12 50	16°45'35	10 <b>0</b> 6	3° 2	9° 3	13°20	17°15	10°47	11°21	15°48	2° 0	11°30	11°45	8°29	2°59	S 30
M31	3 16 47	17 <b>M</b> 46'04	21 <b>Q</b> 54	4MJ36	9 <b>ჲ</b> 28	13 <b>II</b> 3	17 <b>₹</b> 28	10≈50	11≈22	159548	1 <b>Y</b> 59	11 <b>≈</b> 30	11≈42	8 <b>Ω</b> 35	2 <b>Y</b> 57	M31

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S 1	6 s 5 9	23n59	2n 5	8 s45	1 s36	11 s40	7s10	22n16	0 s25	21 s54	0n20	18 s48	1 s 8	18s 7	0 s42	21n50	0 s43	14 s44	17s10	16 s31	16 s52	19n42	4n 5	2n39
S 2	7 21	20 45	1 5	7 59	1 16	11 17	6 59	22 19	0 23	21 56	0 20	18 48	1 8	18 7	0 42	21 50	0 43	14 44	17 10	16 31	16 53	19 39	4 4	2 39
M 3	7 44	16 40	0 2	7 12		10 53		22 22		21 57		18 48		18 7				14 45					4 2	2 39
T 4	8 6		1 s 1	6 27		10 29		22 25		21 59		18 48		18 7				14 45					4 1	2 39
W 5 T 6	8 29 8 51	-	2 2 2 2 58	5 45 5 7	-	10 5		22 27 22 30	0 16 0 14	22 0 22 2	0 19 0 19			18 7 18 7	-			14 45 14 46					4 0 3 59	2 39
F 7	9 13		3 47	4 33	0n 6 0 24	9 41 9 18		22 33	0 14					18 7		21 50		14 46				19 29	3 58	2 39
S 8	-		4 26	4 4	0 42	8 55		22 36		22 5		18 48		18 7		21 50		14 46				19 24	3 56	2 38
S 9	9 57	15 38	4 51	3 41	0 58	8 32	5 31	22 38	0 7	22 7	0 19	18 48	1 8	18 7	0 41	21 50	0 43	14 47	17 9	16 42	16 59	19 22	3 55	2 38
M10	10 19	20 20	5 1	3 24	1 13	8 10	-	22 41	0 4	22 8	0 18	18 48	1 8	18 7	0 41	21 50	0 43	14 47		16 46		19 19	3 54	2 38
T 11	10 41		4 54	-		7 49		22 43		22 10		18 47		18 7						16 49		19 17	3 53	2 38
W12			4 30		1 37	7 29		22 46		22 11		18 47		18 7	-					16 52		19 14	3 52	2 38
_	-		3 50		1 46	7 9		22 48		22 13		18 47		18 7				14 48		16 54		19 12	3 51	2 38
	-		2 56 1 51	3 15 3 25		6 50 6 32		<ul><li>22 51</li><li>22 53</li></ul>		22 14 22 16		18 47 18 46		18 7 18 7	-			14 48 14 48		16 55 16 56		19 9 19 7	3 50 3 49	2 38 2 38
S 16	12 26	19 30	0 39	3 40	2 5	6 16	3 49	22 55	0 11	22 17	0 18	18 46	1 7	18 7	0 41	21 50	0 43	14 48	17 8	16 56	17 6	19 4	3 48	2 37
M17	12 47	14 20	0n36	3 59	2 8	6 0	3 34	22 58	0 14	22 19	0 18	18 46	1 7	18 7	0 41	21 50	0 43	14 49	17 8	16 56	17 7	19 2	3 46	2 37
T 18	13 7	8 24	1 48	4 21	2 11	5 45	3 20	23 0	0 17	22 20	0 17	18 45	1 7	18 7	0 41	21 50	0 43	14 49	17 8	16 56	17 8	18 59	3 45	2 37
W19	13 27	2 5	2 54	4 46	2 12	5 32	3 6	23 2	0 20	22 22	0 17	18 45	1 7	18 6	0 41	21 50	0 43	14 49	17 7	16 57	17 8	18 56	3 44	2 37
	13 47		3 48	5 14		5 19	2 52			22 23		18 44		18 6				14 49		16 59		10 0.	3 43	2 37
F 21		-	4 29	5 44		5 8	2 38			22 25		18 44		18 6	-	21 50		14 49			17 10		3 42	2 37
S 22	14 26	15 58	4 53	6 16	2 9	4 58	2 24	23 7	0 28	22 26	0 17	18 43	1 7	18 6	0 41	21 50	0 43	14 49	17 7	17 5	17 11	18 49	3 41	2 36
S 23	-	20 37	5 0	6 49	2 7	4 49		23 9		22 28	0 17	18 43		18 6	-			14 50				18 46	3 40	2 36
M24	-	-	4 51	7 24		4 41		23 11		22 29	0 17	-		18 6	-							18 44	3 39	2 36
-			4 27	7 59	2 0	4 34		23 12		22 30		18 42		18 5	-					17 16		18 41	3 38	2 36
	15 42		3 50	8 35	1 56	4 29		23 14		22 32		18 41		18 5	-							18 38	3 37	2 36
T 27	-		3 3		1 51	4 24		23 15		22 33		18 40		18 5	-			14 50				18 36	3 36	2 36
F 28 S 29			2 9	9 49 10 26	1 46 1 41	4 21 4 18		23 17 23 18		22 34 22 36		18 40 18 39		18 5 18 4				14 50 14 50			17 16 17 17	18 33	3 35 3 35	2 35 2 35
	10 30	21 41	1 9	10 20										-	0 .1									
			-	11 4				23 19		22 37		18 38		18 4	-	21 51								
M31	17s10	13n23	0s55	11 s41	1n29	4s16	0s34	23n20	0n55	22 s38	0n16	18 s 38	1 s 7	18s 4	0 s41	21n51	0 s43	14 s 50	17s 5	17 s22	17s19	18n26	3n33	2n35

Julian Day Number = 2298426.5, Delta T = 118.68 sec

Ecliptic obliquity =  $23^{\circ}29'44$ , Nutation =  $0^{\circ}00'12$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°53'23, Lahiri = 18°00'23 Julian Calendar 1 Oct. 1580 == Greg. Calendar 11 Oct. 1580

NOVEMBER 1580 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)Å(	¥	Р	ß	Ω	Ç	ę,	Day
T 1	3 20 43	18 <b>M</b> .46'36	3 <b>m</b> ) 47	6 <b>M</b> 10	9 <b>≙</b> 54	12°R46	17 <b>×7</b> 41	10≈53	11≈23	15°R47	1°R58	11°R30	11≈39	8 <b>Ω</b> 42	2°R56	T 1
W 2	3 24 40	19°47'09	15°52	7°45	10°23	12Ⅲ28	17°54	10°56	11°24	159546	1 <b>Y</b> 57	11≈27	11°35	8°49	2 <b>Υ</b> 54	W 2
T 3	3 28 36	20°47'45	28°12	9°20	10°52	12° 9	18° 7	10°58	11°25	15°45	1°57	11°22	11°32	8°55	2°52	T 3
F 4	3 32 33	21°48'21	10 <b>♀</b> 52	10°55	11°24	11°50	18°20	11° 1	11°27	15°44	1°56	11°14	11°29	9° 2	2°51	F 4
S 5	3 36 29	22°49'00	23°55	12°30	11°57	11°30	18°33	11° 4	11°28	15°44	1°55	11° 4	11°26	9° 9	2°49	S 5
S 6	3 40 26	23°49'40	7 <b>M</b> 20	14° 5	12°31	11°10	18°46	11° 8	11°29	15°43	1°54	10°52	11°23	9°15	2°48	S 6
M 7	3 44 23	24°50'22	21° 6	15°40	13° 7	10°49	18°59	11°11	11°30	15°42	1°54	10°40	11°20	9°22	2°46	M 7
T 8	3 48 19	25°51'06	5 <b>₹</b> 9	17°15	13°44	10°28	19°12	11°14	11°32	15°41	1°53	10°28	11°16	9°29	2°45	T 8
W 9	3 52 16	26°51'50	19°24	18°50	14°22	10° 6	19°25	11°18	11°33	15°40	1°53	10°18	11°13	9°35	2°43	W 9
T 10	3 56 12	27°52'36	3 <b>⋜</b> 46	20°25	15° 2	9°44	19°38	11°21	11°35	15°39	1°52	10°10	11°10	9°42	2°42	T 10
F 11	4 0 9	28°53'23	18° 9	22° 0	15°43	9°22	19°52	11°25	11°36	15°38	1°51	10° 6	11° 7	9°49	2°41	F 11
S 12	4 4 5	29°54'12	2≈29	23°34	16°25	8°59	20° 5	11°28	11°38	15°37	1°51	10° 4	11° 4	9°55	2°39	S 12
S 13	4 8 2	0 <b>∡</b> 755'01	16°42	25° 9	17° 8	8°36	20°18	11°32	11°40	15°36	1°50	10°D 4	11° 0	10° 2	2°38	S 13
M14	4 11 58	1°55'51	0 <b>)</b> €48	26°44	17°52	8°13	20°32	11°36	11°41	15°35	1°50	10°R 4	10°57	10° 8	2°37	M14
T 15	4 15 55	2°56'41	14°45	28°18	18°37	7°50	20°45	11°40	11°43	15°33	1°49	10° 4	10°54	10°15	2°36	T 15
W16	4 19 52	3°57'33	28°33	29°52	19°24	7°27	20°58	11°44	11°45	15°32	1°49	10° 1	10°51	10°22	2°35	W16
T 17	4 23 48	4°58'25	12 <b>Y</b> 13	1 <b>才</b> 27	20°11	7° 4	21°12	11°48	11°46	15°31	1°48	9°56	10°48	10°28	2°34	T 17
F 18	4 27 45	5°59'19	25°42	3° 1	20°59	6°41	21°25	11°52	11°48	15°30	1°48	9°48	10°45	10°35	2°33	F 18
S 19	4 31 41	7° 0'13	9 <b>8</b> 2	4°35	21°48	6°18	21°39	11°56	11°50	15°29	1°48	9°38	10°41	10°42	2°32	S 19
S 20	4 35 38	8° 1'08	22° 9	6°10	22°38	5°55	21°52	12° 1	11°52	15°27	1°47	9°27	10°38	10°48	2°32	S 20
M21	4 39 34	9° 2'04	5 <b>II</b> 2	7°44	23°28	5°32	22° 6	12° 5	11°54	15°26	1°47	9°16	10°35	10°55	2°31	M21
T 22	4 43 31	10° 3'01	17°42	9°18	24°20	5°10	22°19	12°10	11°56	15°25	1°47	9° 5	10°32	11° 2	2°30	T 22
W23	4 47 27	11° 4'00	09 7	10°52	25°12	4°48	22°33	12°14	11°58	15°24	1°46	8°57	10°29	11° 8	2°29	W23
T 24	4 51 24	12° 4'59	12°19	12°27	26° 5	4°26	22°47	12°19	12° 0	15°22	1°46	8°50	10°26	11°15	2°29	T 24
F 25	4 55 21	13° 5'59	24°20	14° 1	26°58	4° 5	23° 0	12°24	12° 2	15°21	1°46	8°47	10°22	11°22	2°28	F 25
S 26	4 59 17	14° 7'00	6 <b>Ω</b> 11	15°35	27°53	3°44	23°14	12°29	12° 5	15°19	1°46	8°D46	10°19	11°28	2°28	S 26
S 27	5 3 14	15° 8'02	17°59	17°10	28°48	3°23	23°28	12°33	12° 7	15°18	1°45	8°46	10°16	11°35	2°28	S 27
M28	5 7 10	16° 9'05	29°46	18°44	29°43	3° 3	23°41	12°38	12° 9	15°17	1°45	8°47	10°13	11°42	2°27	M28
T 29	5 11 7	17°10'09	11 <b>m</b> 38	20°19	0 <b>M</b> .40	2°44	23°55	12°43	12°11	15°15	1°45	8°R48	10°10	11°48	2°27	T 29
W30	5 15 3	18 <b>,7</b> 11'14	23 <b>M</b> 41	21 <b>~</b> 54	1 <b>M</b> .36	2 <b>Ⅱ</b> 25	24 <b>×7</b> 9	12 <b>≈</b> 48	12≈14	159914	1 <b>°</b> 45	8 <b>≈</b> 48	10≈ 6	11 <b>£</b> 55	2 <b>Y</b> 27	W30

Day	0	J	)	ζ	5	ç	)	C	3	2	4	ŧ	l.	)	ł(	4	7	В	)	n	Ω	Ç	ď	5
	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	17 s27	8n21		12s18	1n23	4s17		23n20		22 s40		18 s 3 7		18s 3		21n51		14s50					3n32	2n35
W 2	17 43	2 57	-	12 55	1 17	4 18		23 21	1 1			18 36		18 3		21 51		14 51				18 20	3 31	2 34
T 3	18 0	2 s 3 9		13 32	1 10	4 21	0 2	-		22 42	0 15			18 3		21 51		14 51			17 22		3 30	2 34
F 4	18 16	8 18	4 20	14 8	1 4	4 24		23 22		22 44	0 15			18 2		21 51	0 43	-				18 15	3 29	2 34
S 5	18 31	13 45	4 48	14 43	0 57	4 28	0 1/	23 22	1 10	22 45	0 15	18 33	1 7	18 2	0 41	21 51	0 43	14 51	1/ 3	1/ 30	17 24	18 13	3 29	2 34
S 6	18 46	18 43	5 1	15 18	0 50	4 33	0 26	23 22	1 13	22 46	0 15	18 32	1 7	18 2	0 41	21 51	0 43	14 51	17 3	17 33	17 24	18 10	3 28	2 34
M 7	-	22 50	4 56	15 53	0 43	4 39		23 22		22 47	0 15		1 6	18 1	0 41	21 51	0 43	14 51			17 25		3 27	2 34
T 8		-	-	16 26	0 36	4 46		23 22		22 48	0 15			18 1		21 51	0 43			17 39			3 26	2 33
W 9		26 58		16 59	0 30	4 53		23 22		22 50	0 15			18 0		21 51	0 43	-		17 42		-	3 26	2 33
T 10	-	26 26		17 32	0 23	5 1		23 22		22 51		18 29		18 0		21 52						17 59	3 25	2 33
F 11	19 57		1 54	-	0 16	5 10	1 8	-		22 52		18 28		17 59		21 52					17 29		3 24	2 33
S 12	20 11	20 18	0 40	18 34	0 9	5 19	1 15	23 20	1 30	22 53	0 15	18 27	1 6	17 59	0 40	21 52	0 43	14 50	17 1	17 46	17 30	17 54	3 23	2 33
S 13	20 23	15 18	0n35	19 4	0 2	5 29	1 22	23 19	1 33	22 54	0 14	18 25	1 6	17 59	0 40	21 52	0 43	14 50	17 1	17 46	17 31	17 52	3 23	2 32
M14	20 36	9 32	1 48	19 33	0s 5	5 39	1 29	23 18	1 36	22 55	0 14	18 24	1 6	17 58	0 40	21 52	0 43	14 50	17 0	17 46	17 31	17 49	3 22	2 32
T 15	20 48	3 21	2 53	20 1	0 11	5 50	1 36	23 17	1 39	22 56	0 14	18 23	1 6	17 58	0 40	21 52	0 43	14 50	17 0	17 46	17 32	17 46	3 22	2 32
	20 59	2n55	3 48	20 28	0 18	6 2	1 42			22 57	0 14	18 22	1 6	17 57	0 40	21 52	0 43						3 21	2 32
T 17	21 11	8 58		20 54	0 25	6 14		23 15		22 58		18 21		17 57		21 52	0 43						3 20	2 32
	21 21	-		21 19	0 31	6 27		23 13		22 59		18 20		17 56		21 53		14 50					3 20	2 31
S 19	21 32	19 19	5 3	21 43	0 38	6 40	1 59	23 12	1 49	23 0	0 14	18 18	1 6	17 55	0 40	21 53	0 43	14 50	16 59	17 53	17 36	17 36	3 19	2 31
S 20	21 42	23 7	4 56	22 6	0 44	6 54	2 5	23 10	1 51	23 1	0 14	18 17	1 6	17 55	0 40	21 53	0 43	14 49	16 58	17 56	17 37	17 33	3 19	2 31
1	21 51	25 40	4 34	22 28	0 50	7 8	2 10	23 8	1 53	23 2	0 14	18 16	1 6	17 54	0 40	21 53	0 43	14 49	16 58	17 59	17 37	17 30	3 18	2 31
T 22		26 53	3 58	22 49	0 56	7 22	2 14			23 3			1 6	17 54	0 40	21 53					17 38	17 28	3 18	2 30
W23	22 9	26 41	3 12	23 9	1 2	7 37	2 19	-	1 58	23 4	0 13	18 13	1 6	17 53	0 40	21 53		-		-	17 39	17 25	3 17	2 30
T 24	22 18	-		23 27	1 7	7 52	2 23		-	23 5			1 6			21 53		14 49			17 40		3 17	2 30
F 25		22 34	1 17		1 13	8 8	2 27		2 2		0 13		1 6			21 54	0 43	-				17 20	3 17	2 30
S 26	22 33	19 0	0 14	24 1	1 18	8 23	2 31	22 59	2 4	23 6	0 13	18 9	1 6	17 51	0 40	21 54	0 43	14 48	16 56	18 7	17 42	17 17	3 16	2 30
S 27	22 40	14 42	0 s49	24 16	1 23	8 39	2 35	22 56	2 6	23 7	0 13	18 8	1 6	17 51	0 40	21 54	0 43	14 48	16 56	18 7	17 43	17 14	3 16	2 29
M28	22 46	9 51	1 51	24 29	1 28	8 56	2 38	22 54	2 8	23 8	0 13	18 6	1 6	17 50	0 40	21 54	0 43	14 48	16 56	18 6	17 43	17 12	3 16	2 29
T 29	22 52	4 38	2 48	24 41	1 33	9 12	2 42	22 52	2 9	23 9	0 13	18 5	1 6	17 49	0 40	21 54	0 43	14 47	16 55	18 6	17 44	17 9	3 15	2 29
W30	$22\mathrm{s}58$	0 s 5 0	3 s38	24 s52	1 s38	9 s 2 9	2n45	22n50	2n11	23 s 9	0n13	18s 4	1s 6	17 s49	0 s40	21n54	0 s43	14 s47	16 s 5 5	18s 6	17 s45	17n 6	3n15	2n29

Julian Day Number = 2298457.5, Delta T = 118.53 sec

Ecliptic obliquity = 23°29'44, Nutation = 0°00'11, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 18°53'27, Lahiri = 18°00'28 Julian Calendar 1 Nov. 1580 == Greg. Calendar 11 Nov. 1580

DECEMBER 1580 JC 00:00 UT

Day	Sid.t	0	)	ğ	φ	ď	4	ħ	)ұ(	卉	В	ß	v	Ç	ķ	Day
T 1	5 19 0	19 <b>×</b> 12'20	6₽ 0	23 <b>×</b> 29	2 <b>M</b> .34	2°R 6	24 <b>×</b> <sup>7</sup> 23	12≈54	12≈16	15°R12	1°R45	8°R46	10≈ 3	12 <b>N</b> 1	2°R27	T 1
F 2	5 22 56	20°13'27	18°39	25° 4	3°32	1 <b>Ⅱ</b> 49	24°36	12°59	12°19	159911	1 <b>Y</b> 45	8≈43	10° 0	12° 8	2 <b>Y</b> 26	F 2
S 3	5 26 53	21°14'34	1 <b>ML</b> 43	26°39	4°30	1°32	24°50	13° 4	12°21	15° 9	1°44	8°37	9°57	12°15	2°D26	S 3
S 4	5 30 50	22°15'43	15°13	28°15	5°29	1°15	25° 4	13° 9	12°24	15° 8	1°44	8°30	9°54	12°21	2°26	S 4
M 5	5 34 46	23°16'52	29° 9	29°50	6°28	1° 0	25°18	13°15	12°26	15° 6	1°44	8°22	9°51	12°28	2°26	M 5
T 6	5 38 43	24°18'02	13 <b>×</b> 28	1 <b>云</b> 26	7°28	0°45	25°31	13°20	12°29	15° 5	1°D44	8°14	9°47	12°35	2°27	T 6
W 7	5 42 39	25°19'12	28° 5	3° 2	8°29	0°31	25°45	13°26	12°31	15° 3	1°44	8° 8	9°44	12°41	2°27	W 7
T 8	5 46 36	26°20'23	12 <b>る</b> 53	4°38	9°29	0°17	25°59	13°32	12°34	15° 1	1°44	8° 3	9°41	12°48	2°27	T 8
F 9	5 50 32	27°21'34	27°42	6°14	10°31	0° 5	26°13	13°37	12°37	15° 0	1°44	8° 1	9°38	12°55	2°27	F 9
S 10	5 54 29	28°22'45	12≈28	7°51	11°32	29 <b>8</b> 53	26°27	13°43	12°39	14°58	1°45	8°D 1	9°35	13° 1	2°28	S 10
S 11	5 58 26	29°23'56	27° 2	9°27	12°34	29°42	26°40	13°49	12°42	14°57	1°45	8° 2	9°32	13° 8	2°28	S 11
M12	6 2 22	0 <b>ප</b> 25'07	11 <b>米</b> 21	11° 3	13°36	29°32	26°54	13°55	12°45	14°55	1°45	8° 3	9°28	13°15	2°28	M12
T 13	6 6 19	1°26'18	25°24	12°40	14°39	29°23	27° 8	14° 1	12°48	14°53	1°45	8°R 4	9°25	13°21	2°29	T 13
W14	6 10 15	2°27'29	9 <b>Υ</b> 10	14°16	15°42	29°14	27°22	14° 6	12°50	14°52	1°45	8° 4	9°22	13°28	2°30	W14
T 15	6 14 12	3°28'39	22°38	15°52	16°45	29° 6	27°36	14°13	12°53	14°50	1°45	8° 3	9°19	13°34	2°30	T 15
F 16	6 18 8	4°29'50	5 <b>8</b> 51	17°28	17°49	29° 0	27°49	14°19	12°56	14°48	1°46	7°59	9°16	13°41	2°31	F 16
S 17	6 22 5	5°31'00	18°50	19° 4	18°53	28°54	28° 3	14°25	12°59	14°47	1°46	7°55	9°12	13°48	2°32	S 17
S 18	6 26 1	6°32'10	1 <b>Ⅱ</b> 35	20°39	19°57	28°49	28°17	14°31	13° 2	14°45	1°46	7°49	9° 9	13°54	2°32	S 18
M19	6 29 58	7°33'20	14° 8	22°14	21° 2	28°44	28°31	14°37	13° 5	14°43	1°46	7°44	9° 6	14° 1	2°33	M19
T 20	6 33 55	8°34'30	26°30	23°48	22° 7	28°41	28°44	14°43	13° 8	14°42	1°47	7°39	9° 3	14° 8	2°34	T 20
W21	6 37 51	9°35'39	89541	25°21	23°12	28°38	28°58	14°50	13°11	14°40	1°47	7°35	9° 0	14°14	2°35	W21
T 22	6 41 48	10°36'49	20°43	26°53	24°17	28°36	29°12	14°56	13°14	14°38	1°47	7°32	8°57	14°21	2°36	T 22
F 23	6 45 44	11°37'58	2 <b>Ω</b> 37	28°23	25°23	28°35	29°25	15° 2	13°17	14°37	1°48	7°D31	8°53	14°28	2°37	F 23
S 24	6 49 41	12°39'07	14°27	29°51	26°29	28°D35	29°39	15° 9	13°20	14°35	1°48	7°31	8°50	14°34	2°38	S 24
S 25	6 53 37	13°40'16	26°14	1≈17	27°35	28°35	29°53	15°15	13°23	14°33	1°49	7°32	8°47	14°41	2°40	S 25
M26	6 57 34	14°41'25	8 <b>m</b> ) 1	2°41	28°41	28°36	0중 6	15°22	13°26	14°32	1°49	7°33	8°44	14°48	2°41	M26
T 27	7 1 30	15°42'34	19°54	4° 1	29°48	28°38	0°20	15°28	13°30	14°30	1°50	7°35	8°41	14°54	2°42	T 27
W28	7 5 27	16°43'42	1 <b>≏</b> 56	5°17	0 <b>≯</b> 55	28°41	0°33	15°35	13°33	14°28	1°50	7°37	8°38	15° 1	2°44	W28
T 29	7 9 24	17°44'50	14°12	6°29	2° 2	28°44	0°47	15°42	13°36	14°26	1°51	7°R37	8°34	15° 8	2°45	T 29
F 30	7 13 20	1 <u>8</u> °45'59	26°46	7°36	3° 9	28°48	<u>1°</u> 0	15°48	13°39	14°25	1°51	7°37	8°31	15°14	2°46	F 30
S 31	7 17 17	19 <b>る</b> 47'07	9 <b>M</b> .44	8 <b>≈</b> 37	4 <b>₹</b> 17	28 <b>8</b> 53	1ਰ14	15≈55	13 <b>≈</b> 42	149523	1 <b>Y</b> 52	7≈36	8≈28	15 <b>Ω</b> 21	2 <b>Υ</b> 48	S 31

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Julian Day Number = 2298487.5, Delta T = 118.38 sec

Ecliptic obliquity =  $23^{\circ}29'43$ , Nutation =  $0^{\circ}00'12$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°53'31, Lahiri = 18°00'32 Julian Calendar 1 Dec. 1580 == Greg. Calendar 11 Dec. 1580