Astrodienst Ephemeris Tables

for the year 1561

tropical geocentric zodiac

contains Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, True Node, Moon's Node, Lilith, Chiron

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

Astrodienst AG, Dammstr. 23, CH-8702 Zollikon / Zürich, www.astro.com / order@astro.com

ASTRODIENST EPHEMERIS for the year 1561
geocentric

JANUARY 1561 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 20 36	20♑39'00	12♋31	8♒55	12♒44	22♏49	16♈37	14°R59	23♏33	28°R33	9♓15	3°R37	5♓15	11♉35	20♐17	W 1
T 2	7 24 33	21°40'05	25°20	10° 9	13°59	23°27	16°43	14♊55	23°36	28♉32	9°16	3♓30	5°11	11°41	20°23	T 2
F 3	7 28 29	22°41'09	8♌23	11°19	15°14	24° 6	16°50	14°52	23°38	28°31	9°17	3°25	5° 8	11°48	20°29	F 3
S 4	7 32 26	23°42'13	21°38	12°23	16°28	24°44	16°56	14°49	23°40	28°30	9°18	3°23	5° 5	11°55	20°35	S 4
S 5	7 36 22	24°43'16	5♍ 4	13°20	17°43	25°23	17° 3	14°45	23°42	28°29	9°19	3°D22	5° 2	12° 2	20°41	S 5
M 6	7 40 19	25°44'18	18°40	14°10	18°58	26° 1	17°10	14°42	23°45	28°28	9°20	3°23	4°59	12° 8	20°47	M 6
T 7	7 44 16	26°45'20	2♎26	14°51	20°13	26°40	17°17	14°39	23°47	28°28	9°22	3°25	4°56	12°15	20°53	T 7
W 8	7 48 12	27°46'22	16°22	15°24	21°27	27°19	17°24	14°36	23°49	28°27	9°23	3°26	4°52	12°22	20°59	W 8
T 9	7 52 9	28°47'23	0♏26	15°46	22°42	27°57	17°32	14°34	23°51	28°26	9°24	3°R26	4°49	12°28	21° 5	T 9
F 10	7 56 5	29°48'23	14°38	15°58	23°57	28°36	17°39	14°31	23°53	28°26	9°25	3°25	4°46	12°35	21°11	F 10
S 11	8 0 2	0♒49'23	28°56	15°R59	25°11	29°14	17°47	14°28	23°55	28°25	9°27	3°23	4°43	12°42	21°17	S 11
S 12	8 3 58	1°50'23	13♐16	15°48	26°26	29°53	17°55	14°26	23°57	28°25	9°28	3°19	4°40	12°49	21°22	S 12
M13	8 7 55	2°51'21	27°34	15°26	27°40	0♐31	18° 3	14°23	23°59	28°24	9°29	3°14	4°36	12°55	21°28	M13
T 14	8 11 51	3°52'19	11♑46	14°53	28°55	1°10	18°11	14°21	24° 1	28°24	9°31	3°10	4°33	13° 2	21°34	T 14
W15	8 15 48	4°53'16	25°47	14°10	0♓ 9	1°48	18°19	14°19	24° 3	28°23	9°32	3° 5	4°30	13° 9	21°39	W15
T 16	8 19 45	5°54'12	9♒32	13°17	1°24	2°27	18°28	14°16	24° 4	28°23	9°33	3° 2	4°27	13°15	21°45	T 16
F 17	8 23 41	6°55'07	22°58	12°17	2°38	3° 5	18°36	14°14	24° 6	28°22	9°35	3° 1	4°24	13°22	21°50	F 17
S 18	8 27 38	7°56'01	6♓ 4	11°11	3°53	3°44	18°45	14°12	24° 8	28°22	9°36	3°D 0	4°21	13°29	21°56	S 18
S 19	8 31 34	8°56'53	18°50	10° 0	5° 7	4°22	18°54	14°11	24° 9	28°21	9°38	3° 1	4°17	13°36	22° 1	S 19
M20	8 35 31	9°57'44	1♈17	8°48	6°21	5° 1	19° 3	14° 9	24°11	28°21	9°39	3° 3	4°14	13°42	22° 7	M20
T 21	8 39 27	10°58'33	13°29	7°35	7°36	5°39	19°12	14° 7	24°12	28°21	9°40	3° 4	4°11	13°49	22°12	T 21
W22	8 43 24	11°59'21	25°30	6°24	8°50	6°18	19°22	14° 6	24°14	28°21	9°42	3° 6	4° 8	13°56	22°17	W22
T 23	8 47 20	13° 0'07	7♉24	5°17	10° 4	6°56	19°31	14° 4	24°15	28°20	9°43	3° 7	4° 5	14° 2	22°22	T 23
F 24	8 51 17	14° 0'52	19°16	4°16	11°18	7°35	19°40	14° 3	24°17	28°20	9°45	3°R 7	4° 2	14° 9	22°27	F 24
S 25	8 55 14	15° 1'35	1♊10	3°20	12°32	8°13	19°50	14° 2	24°18	28°20	9°46	3° 6	3°58	14°16	22°32	S 25
S 26	8 59 10	16° 2'17	13°12	2°32	13°46	8°51	20° 0	14° 1	24°19	28°20	9°48	3° 4	3°55	14°23	22°37	S 26
M27	9 3 7	17° 2'57	25°26	1°51	15° 0	9°30	20°10	14° 0	24°20	28°20	9°49	3° 2	3°52	14°29	22°42	M27
T 28	9 7 3	18° 3'36	7♋54	1°18	16°14	10° 8	20°20	13°59	24°22	28°D20	9°51	3° 0	3°49	14°36	22°47	T 28
W29	9 11 0	19° 4'13	20°40	0°53	17°28	10°47	20°30	13°58	24°23	28°20	9°52	2°57	3°46	14°43	22°52	W29
T 30	9 14 56	20° 4'48	3♌44	0°36	18°42	11°25	20°40	13°58	24°24	28°20	9°54	2°56	3°42	14°49	22°56	T 30
F 31	9 18 53	21♒ 5'21	17♌ 6	0♒27	19♓56	12♐ 3	20♈51	13♊57	24♏25	28♉20	9♓55	2♓55	3♓39	14♉56	23♐ 1	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21s54	26n54	4n 0	18s58	0s55	18s34	1s36	17s53	0n39	5n24	1s14	21n14	1s26	18s27	0n16	18n14	1s42	21s 9	14s 8	10s12	9s37	19n49	18s 4	5n 6
T 2	21 45	24 15	3 11	18 27	0 44	18 13	1 36	18 3	0 39	5 27	1 14	21 14	1 26	18 28	0 16	18 13	1 42	21 9	14 8	10 15	9 38	19 52	18 4	5 6
F 3	21 35	20 19	2 11	17 56	0 31	17 51	1 36	18 13	0 38	5 30	1 14	21 13	1 25	18 28	0 16	18 13	1 42	21 8	14 7	10 17	9 39	19 54	18 4	5 6
S 4	21 25	15 20	1 3	17 25	0 18	17 28	1 36	18 23	0 38	5 32	1 13	21 13	1 25	18 29	0 16	18 13	1 42	21 8	14 7	10 17	9 40	19 57	18 4	5 7
S 5	21 14	9 32	0s 9	16 55	0 4	17 5	1 36	18 33	0 37	5 35	1 13	21 13	1 25	18 29	0 16	18 13	1 42	21 7	14 7	10 18	9 41	19 59	18 4	5 7
M 6	21 3	3 14	1 22	16 26	0n12	16 42	1 36	18 43	0 37	5 38	1 13	21 13	1 25	18 30	0 16	18 13	1 42	21 6	14 7	10 17	9 43	20 2	18 4	5 7
T 7	20 51	3s17	2 32	15 59	0 28	16 18	1 36	18 53	0 36	5 41	1 13	21 13	1 24	18 30	0 16	18 13	1 42	21 6	14 7	10 17	9 44	20 4	18 4	5 8
W 8	20 40	9 43	3 33	15 33	0 44	15 54	1 36	19 2	0 35	5 44	1 12	21 13	1 24	18 31	0 16	18 13	1 42	21 5	14 6	10 16	9 45	20 6	18 4	5 8
T 9	20 27	15 44	4 22	15 10	1 2	15 29	1 35	19 11	0 35	5 47	1 12	21 13	1 24	18 32	0 16	18 13	1 42	21 4	14 6	10 16	9 46	20 9	18 4	5 9
F 10	20 14	20 58	4 55	14 50	1 19	15 4	1 35	19 20	0 34	5 50	1 12	21 13	1 24	18 32	0 16	18 13	1 42	21 4	14 6	10 17	9 47	20 11	18 4	5 9
S 11	20 1	25 1	5 11	14 32	1 37	14 38	1 35	19 29	0 34	5 54	1 11	21 12	1 24	18 33	0 16	18 12	1 41	21 3	14 6	10 17	9 48	20 14	18 4	5 9
S 12	19 48	27 32	5 7	14 18	1 55	14 13	1 34	19 38	0 33	5 57	1 11	21 12	1 23	18 33	0 16	18 12	1 41	21 2	14 6	10 19	9 50	20 16	18 4	5 10
M13	19 34	28 13	4 44	14 8	2 13	13 46	1 33	19 47	0 32	6 0	1 11	21 12	1 23	18 33	0 16	18 12	1 41	21 2	14 6	10 21	9 51	20 18	18 4	5 10
T 14	19 20	27 2	4 4	14 2	2 29	13 20	1 33	19 56	0 32	6 4	1 11	21 12	1 23	18 34	0 16	18 12	1 41	21 1	14 5	10 22	9 52	20 21	18 4	5 11
W15	19 5	24 9	3 10	13 59	2 45	12 53	1 32	20 4	0 31	6 7	1 10	21 12	1 23	18 34	0 16	18 12	1 41	21 0	14 5	10 24	9 53	20 23	18 4	5 11
T 16	18 51	19 55	2 5	14 0	2 59	12 25	1 31	20 12	0 30	6 10	1 10	21 12	1 23	18 35	0 16	18 12	1 41	21 0	14 5	10 25	9 54	20 26	18 3	5 12
F 17	18 35	14 46	0 55	14 5	3 12	11 58	1 30	20 21	0 30	6 14	1 10	21 12	1 22	18 35	0 16	18 12	1 41	20 59	14 5	10 26	9 55	20 28	18 3	5 12
S 18	18 20	9 3	0n17	14 13	3 23	11 30	1 29	20 29	0 29	6 17	1 10	21 12	1 22	18 36	0 16	18 12	1 41	20 58	14 5	10 26	9 56	20 30	18 3	5 12
S 19	18 4	3 7	1 26	14 24	3 31	11 1	1 28	20 36	0 28	6 21	1 9	21 12	1 22	18 36	0 16	18 12	1 41	20 58	14 5	10 25	9 58	20 33	18 3	5 13
M20	17 48	2n48	2 29	14 37	3 37	10 33	1 27	20 44	0 28	6 25	1 9	21 12	1 22	18 36	0 16	18 12	1 41	20 57	14 4	10 25	9 59	20 35	18 3	5 13
T 21	17 31	8 29	3 25	14 52	3 40	10 4	1 25	20 52	0 27	6 28	1 9	21 12	1 21	18 37	0 16	18 12	1 41	20 56	14 4	10 24	10 0	20 37	18 3	5 14
W22	17 14	13 46	4 10	15 9	3 41	9 35	1 24	20 59	0 26	6 32	1 9	21 12	1 21	18 37	0 16	18 12	1 41	20 56	14 4	10 24	10 1	20 40	18 3	5 14
T 23	16 57	18 29	4 44	15 26	3 40	9 5	1 23	21 6	0 25	6 36	1 8	21 12	1 21	18 37	0 16	18 12	1 41	20 55	14 4	10 23	10 2	20 42	18 2	5 15
F 24	16 40	22 29	5 6	15 44	3 37	8 36	1 21	21 13	0 25	6 40	1 8	21 12	1 21	18 38	0 16	18 12	1 41	20 54	14 4	10 23	10 3	20 44	18 2	5 15
S 25	16 22	25 35	5 15	16 2	3 31	8 6	1 20	21 20	0 24	6 44	1 8	21 12	1 21	18 38	0 16	18 12	1 41	20 53	14 4	10 24	10 5	20 47	18 2	5 16
S 26	16 4	27 34	5 10	16 20	3 24	7 36	1 18	21 27	0 23	6 48	1 8	21 13	1 20	18 38	0 16	18 12	1 41	20 53	14 4	10 24	10 6	20 49	18 2	5 16
M27	15 46	28 17	4 52	16 37	3 16	7 6	1 17	21 34	0 22	6 51	1 8	21 13	1 20	18 39	0 16	18 12	1 41	20 52	14 4	10 25	10 7	20 51	18 1	5 17
T 28	15 27	27 34	4 19	16 53	3 6	6 35	1 15	21 40	0 22	6 55	1 7	21 13	1 20	18 39	0 16	18 12	1 40	20 51	14 4	10 26	10 8	20 54	18 1	5 17
W29	15 9	25 24	3 33	17 9	2 56	6 5	1 13	21 46	0 21	7 0	1 7	21 13	1 20	18 39	0 16	18 12	1 40	20 51	14 3	10 27	10 9	20 56	18 1	5 18
T 30	14 50	21 52	2 34	17 24	2 45	5 34	1 11	21 53	0 20	7 4	1 7	21 13	1 19	18 39	0 16	18 12	1 40	20 50	14 3	10 27	10 10	20 58	18 1	5 18
F 31	14s30	17n 7	1n26	17s37	2n33	5s 3	1s 9	21s59	0n19	7n 8	1s 7	21n13	1s19	18s40	0n16	18n12	1s40	20s49	14s 3	10s28	10s12	21n 1	18s 0	5n19

Julian Day Number = 2291213.5, Delta T = 156.55 sec
Ecliptic obliquity = 23°29'55, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°36'52, Lahiri = 17°43'52 Julian Calendar 1 Jan. 1561 == Greg. Calendar 11 Jan. 1561

ASTRODIENST EPHEMERIS for the year 1561
geocentric

FEBRUARY 1561 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 22 49	22♒ 5'53	0♍46	0°D25	21♓10	12♐42	21♈ 1	13°R57	24♏26	28♉20	9♓57	2°D54	3♓36	15♉ 3	23♐ 5	S 1
S 2	9 26 46	23° 6'24	14°39	0♒30	22°24	13°20	21°12	13♊57	24°26	28°20	9°58	2♓54	3°33	15°10	23°10	S 2
M 3	9 30 43	24° 6'53	28°44	0°41	23°37	13°58	21°22	13°56	24°27	28°20	10° 0	2°55	3°30	15°16	23°14	M 3
T 4	9 34 39	25° 7'20	12♎56	0°58	24°51	14°36	21°33	13°D56	24°28	28°21	10° 1	2°56	3°27	15°23	23°19	T 4
W 5	9 38 36	26° 7'46	27°11	1°21	26° 5	15°15	21°44	13°57	24°29	28°21	10° 3	2°56	3°23	15°30	23°23	W 5
T 6	9 42 32	27° 8'11	11♏27	1°50	27°18	15°53	21°55	13°57	24°29	28°21	10° 4	2°57	3°20	15°36	23°27	T 6
F 7	9 46 29	28° 8'35	25°41	2°23	28°32	16°31	22° 6	13°57	24°30	28°21	10° 6	2°R57	3°17	15°43	23°31	F 7
S 8	9 50 25	29° 8'57	9♐50	3° 1	29°45	17° 9	22°17	13°57	24°31	28°22	10° 8	2°57	3°14	15°50	23°35	S 8
S 9	9 54 22	0♓ 9'18	23°52	3°43	0♈59	17°48	22°29	13°58	24°31	28°22	10° 9	2°57	3°11	15°57	23°39	S 9
M10	9 58 18	1° 9'37	7♑45	4°29	2°12	18°26	22°40	13°59	24°32	28°23	10°11	2°57	3° 8	16° 3	23°43	M10
T 11	10 2 15	2° 9'55	21°29	5°18	3°25	19° 4	22°52	13°59	24°32	28°23	10°12	2°56	3° 4	16°10	23°47	T 11
W12	10 6 12	3°10'12	5♒ 0	6°11	4°38	19°42	23° 3	14° 0	24°32	28°24	10°14	2°D56	3° 1	16°17	23°50	W12
T 13	10 10 8	4°10'26	18°18	7° 7	5°52	20°20	23°15	14° 1	24°33	28°24	10°15	2°56	2°58	16°24	23°54	T 13
F 14	10 14 5	5°10'39	1♓23	8° 5	7° 5	20°58	23°27	14° 2	24°33	28°25	10°17	2°R56	2°55	16°30	23°58	F 14
S 15	10 18 1	6°10'50	14°12	9° 7	8°18	21°37	23°39	14° 4	24°33	28°25	10°19	2°56	2°52	16°37	24° 1	S 15
S 16	10 21 58	7°10'59	26°48	10°10	9°31	22°15	23°51	14° 5	24°33	28°26	10°20	2°56	2°48	16°44	24° 4	S 16
M17	10 25 54	8°11'06	9♈10	11°16	10°44	22°53	24° 3	14° 6	24°33	28°26	10°22	2°56	2°45	16°50	24° 8	M17
T 18	10 29 51	9°11'11	21°20	12°25	11°57	23°31	24°15	14° 8	24°R33	28°27	10°23	2°55	2°42	16°57	24°11	T 18
W19	10 33 47	10°11'14	3♉20	13°35	13° 9	24° 9	24°27	14° 9	24°33	28°28	10°25	2°54	2°39	17° 4	24°14	W19
T 20	10 37 44	11°11'15	15°14	14°48	14°22	24°46	24°39	14°11	24°33	28°29	10°27	2°53	2°36	17°11	24°17	T 20
F 21	10 41 41	12°11'14	27° 6	16° 2	15°35	25°24	24°51	14°13	24°33	28°29	10°28	2°52	2°33	17°17	24°20	F 21
S 22	10 45 37	13°11'11	9♊ 0	17°18	16°47	26° 2	25° 4	14°15	24°33	28°30	10°30	2°D52	2°29	17°24	24°23	S 22
S 23	10 49 34	14°11'05	21° 1	18°36	18° 0	26°40	25°16	14°17	24°32	28°31	10°31	2°52	2°26	17°31	24°26	S 23
M24	10 53 30	15°10'58	3♋13	19°55	19°12	27°18	25°29	14°19	24°32	28°32	10°33	2°52	2°23	17°37	24°29	M24
T 25	10 57 27	16°10'48	15°41	21°16	20°25	27°56	25°42	14°22	24°32	28°33	10°35	2°53	2°20	17°44	24°31	T 25
W26	11 1 23	17°10'36	28°28	22°39	21°37	28°33	25°54	14°24	24°31	28°34	10°36	2°55	2°17	17°51	24°34	W26
T 27	11 5 20	18°10'21	11♌37	24° 3	22°49	29°11	26° 7	14°27	24°31	28°35	10°38	2°56	2°14	17°58	24°36	T 27
F 28	11 9 16	19♓10'05	25♌10	25♒28	24♈ 1	29♐49	26♈20	14♊29	24♏30	28♉36	10♓39	2♓57	2♓10	18♉ 4	24♐39	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s11	11n25	0n12	17s49	2n21	4s33	1s 7	22s 4	0n18	7n12	1s 6	21n14	1s19	18s40	0n16	18n13	1s40	20s49	14s 3	10s28	10s13	21n 3	18s 0	5n20
S 2	13 51	5 4	1s 5	18 1	2 8	4 1	1 5	22 10	0 17	7 16	1 6	21 14	1 19	18 40	0 16	18 13	1 40	20 48	14 3	10 28	10 14	21 5	18 0	5 20
M 3	13 31	1s36	2 18	18 10	1 56	3 30	1 3	22 16	0 17	7 20	1 6	21 14	1 18	18 40	0 16	18 13	1 40	20 47	14 3	10 28	10 15	21 7	17 59	5 21
T 4	13 11	8 15	3 24	18 19	1 43	2 59	1 1	22 21	0 16	7 24	1 6	21 14	1 18	18 40	0 16	18 13	1 40	20 47	14 3	10 27	10 16	21 10	17 59	5 21
W 5	12 50	14 30	4 17	18 26	1 30	2 28	0 59	22 26	0 15	7 29	1 6	21 14	1 18	18 41	0 16	18 13	1 40	20 46	14 3	10 27	10 17	21 12	17 59	5 22
T 6	12 30	19 59	4 55	18 32	1 18	1 56	0 56	22 31	0 14	7 33	1 5	21 15	1 18	18 41	0 16	18 13	1 40	20 46	14 3	10 27	10 18	21 14	17 58	5 22
F 7	12 9	24 19	5 14	18 36	1 6	1 25	0 54	22 36	0 13	7 37	1 5	21 15	1 18	18 41	0 16	18 13	1 40	20 45	14 3	10 27	10 20	21 17	17 58	5 23
S 8	11 48	27 10	5 15	18 39	0 54	0 53	0 52	22 40	0 12	7 42	1 5	21 15	1 17	18 41	0 16	18 13	1 40	20 44	14 3	10 27	10 21	21 19	17 58	5 23
S 9	11 27	28 17	4 56	18 41	0 42	0 22	0 49	22 45	0 11	7 46	1 5	21 15	1 17	18 41	0 16	18 14	1 40	20 44	14 3	10 27	10 22	21 21	17 57	5 24
M10	11 5	27 36	4 20	18 42	0 31	0n10	0 47	22 49	0 10	7 50	1 5	21 16	1 17	18 41	0 16	18 14	1 40	20 43	14 3	10 27	10 23	21 23	17 57	5 25
T 11	10 44	25 14	3 30	18 40	0 20	0 41	0 44	22 53	0 9	7 55	1 4	21 16	1 17	18 41	0 16	18 14	1 40	20 42	14 3	10 27	10 24	21 26	17 56	5 25
W12	10 22	21 28	2 29	18 38	0 9	1 13	0 41	22 57	0 8	7 59	1 4	21 16	1 16	18 41	0 16	18 14	1 40	20 42	14 3	10 27	10 25	21 28	17 56	5 26
T 13	10 0	16 39	1 20	18 34	0s 2	1 44	0 39	23 1	0 8	8 4	1 4	21 17	1 16	18 42	0 16	18 14	1 39	20 41	14 3	10 27	10 26	21 30	17 55	5 26
F 14	9 38	11 9	0 9	18 29	0 12	2 16	0 36	23 5	0 7	8 8	1 4	21 17	1 16	18 42	0 16	18 14	1 39	20 40	14 3	10 27	10 28	21 32	17 55	5 27
S 15	9 16	5 17	1n 2	18 22	0 22	2 47	0 33	23 8	0 6	8 13	1 4	21 18	1 16	18 42	0 16	18 15	1 39	20 40	14 3	10 27	10 29	21 34	17 55	5 28
S 16	8 54	0n41	2 8	18 14	0 31	3 19	0 30	23 12	0 5	8 18	1 3	21 18	1 15	18 42	0 16	18 15	1 39	20 39	14 3	10 27	10 30	21 37	17 54	5 28
M17	8 31	6 31	3 8	18 5	0 40	3 50	0 27	23 15	0 4	8 22	1 3	21 18	1 15	18 42	0 16	18 15	1 39	20 39	14 3	10 27	10 31	21 39	17 54	5 29
T 18	8 9	12 0	3 57	17 54	0 49	4 21	0 24	23 18	0 3	8 27	1 3	21 19	1 15	18 42	0 16	18 15	1 39	20 38	14 3	10 28	10 32	21 41	17 53	5 29
W19	7 46	16 58	4 36	17 42	0 57	4 53	0 21	23 21	0 1	8 31	1 3	21 19	1 15	18 42	0 16	18 15	1 39	20 37	14 3	10 28	10 33	21 43	17 53	5 30
T 20	7 23	21 15	5 2	17 28	1 5	5 24	0 18	23 23	0 0	8 36	1 3	21 20	1 15	18 42	0 16	18 16	1 39	20 37	14 3	10 28	10 34	21 45	17 52	5 31
F 21	7 0	24 40	5 15	17 14	1 13	5 55	0 15	23 26	0s 1	8 41	1 3	21 20	1 14	18 42	0 16	18 16	1 39	20 36	14 3	10 29	10 36	21 48	17 52	5 31
S 22	6 37	27 2	5 15	16 57	1 20	6 25	0 12	23 28	0 2	8 45	1 2	21 20	1 14	18 42	0 16	18 16	1 39	20 36	14 3	10 29	10 37	21 50	17 51	5 32
S 23	6 14	28 12	5 1	16 40	1 27	6 56	0 9	23 30	0 3	8 50	1 2	21 21	1 14	18 41	0 16	18 16	1 39	20 35	14 3	10 29	10 38	21 52	17 51	5 33
M24	5 51	28 1	4 33	16 21	1 33	7 27	0 6	23 32	0 4	8 55	1 2	21 21	1 14	18 41	0 16	18 17	1 39	20 34	14 3	10 29	10 39	21 54	17 50	5 33
T 25	5 28	26 25	3 52	16 0	1 39	7 57	0 3	23 34	0 5	9 0	1 2	21 22	1 13	18 41	0 16	18 17	1 39	20 34	14 3	10 28	10 40	21 56	17 50	5 34
W26	5 5	23 27	2 59	15 39	1 45	8 27	0n 0	23 36	0 6	9 4	1 2	21 22	1 13	18 41	0 16	18 17	1 39	20 33	14 3	10 28	10 41	21 58	17 49	5 34
T 27	4 41	19 11	1 55	15 16	1 50	8 57	0 4	23 37	0 7	9 9	1 2	21 23	1 13	18 41	0 16	18 17	1 39	20 33	14 3	10 27	10 42	22 0	17 49	5 35
F 28	4s18	13n50	0n43	14s51	1s55	9n27	0n 7	23s38	0s 9	9n14	1s 1	21n23	1s13	18s41	0n16	18n18	1s39	20s32	14s 3	10s27	10s44	22n 3	17s48	5n36

Julian Day Number = 2291244.5, Delta T = 156.38 sec
Ecliptic obliquity = 23°29'55, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°36'56, Lahiri = 17°43'56 Julian Calendar 1 Feb. 1561 == Greg. Calendar 11 Feb. 1561

ASTRODIENST EPHEMERIS for the year 1561
geocentric

MARCH 1561 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 13 13	20♓ 9'46	9♍ 7	26♒55	25♈13	0♉27	26♈33	14♊32	24°R30	28♉37	10♓41	2°R57	2♓ 7	18♉11	24♐41	S 1
S 2	11 17 10	21° 9'25	23°23	28°23	26°25	1° 4	26°46	14°35	24♏29	28°38	10°42	2♓56	2° 4	18°18	24°43	S 2
M 3	11 21 6	22° 9'02	7♎56	29°53	27°37	1°42	26°59	14°38	24°28	28°39	10°44	2°54	2° 1	18°24	24°45	M 3
T 4	11 25 3	23° 8'37	22°37	1♓24	28°49	2°19	27°12	14°41	24°28	28°40	10°46	2°51	1°58	18°31	24°47	T 4
W 5	11 28 59	24° 8'10	7♏21	2°56	0♉ 1	2°57	27°25	14°44	24°27	28°41	10°47	2°49	1°54	18°38	24°49	W 5
T 6	11 32 56	25° 7'42	22° 0	4°30	1°12	3°34	27°38	14°47	24°26	28°42	10°49	2°46	1°51	18°45	24°51	T 6
F 7	11 36 52	26° 7'12	6♐28	6° 5	2°24	4°12	27°51	14°50	24°25	28°44	10°50	2°44	1°48	18°51	24°53	F 7
S 8	11 40 49	27° 6'40	20°42	7°42	3°35	4°49	28° 4	14°54	24°24	28°45	10°52	2°43	1°45	18°58	24°54	S 8
S 9	11 44 45	28° 6'06	4♑40	9°19	4°46	5°27	28°18	14°57	24°23	28°46	10°53	2°D43	1°42	19° 5	24°56	S 9
M10	11 48 42	29° 5'31	18°20	10°58	5°58	6° 4	28°31	15° 1	24°22	28°47	10°55	2°44	1°39	19°11	24°57	M10
T 11	11 52 39	0♈ 4'54	1♒44	12°39	7° 9	6°41	28°45	15° 5	24°21	28°49	10°56	2°45	1°35	19°18	24°59	T 11
W12	11 56 35	1° 4'15	14°52	14°20	8°20	7°19	28°58	15° 8	24°20	28°50	10°58	2°47	1°32	19°25	25° 0	W12
T 13	12 0 32	2° 3'34	27°47	16° 3	9°31	7°56	29°12	15°12	24°19	28°52	10°59	2°R48	1°29	19°32	25° 1	T 13
F 14	12 4 28	3° 2'51	10♓29	17°48	10°42	8°33	29°25	15°16	24°18	28°53	11° 1	2°48	1°26	19°38	25° 2	F 14
S 15	12 8 25	4° 2'06	22°59	19°34	11°53	9°10	29°39	15°20	24°16	28°54	11° 2	2°46	1°23	19°45	25° 3	S 15
S 16	12 12 21	5° 1'19	5♈20	21°21	13° 3	9°47	29°52	15°25	24°15	28°56	11° 4	2°43	1°19	19°52	25° 4	S 16
M17	12 16 18	6° 0'30	17°32	23° 9	14°14	10°24	0♉ 6	15°29	24°14	28°57	11° 5	2°38	1°16	19°59	25° 5	M17
T 18	12 20 14	6°59'39	29°35	24°59	15°24	11° 1	0°20	15°33	24°12	28°59	11° 7	2°32	1°13	20° 5	25° 6	T 18
W19	12 24 11	7°58'46	11♉33	26°51	16°35	11°38	0°34	15°38	24°11	29° 0	11° 8	2°25	1°10	20°12	25° 6	W19
T 20	12 28 7	8°57'51	23°26	28°44	17°45	12°15	0°47	15°42	24° 9	29° 2	11°10	2°19	1° 7	20°19	25° 7	T 20
F 21	12 32 4	9°56'54	5♊17	0♈38	18°55	12°51	1° 1	15°47	24° 8	29° 4	11°11	2°13	1° 4	20°25	25° 7	F 21
S 22	12 36 1	10°55'54	17°10	2°33	20° 5	13°28	1°15	15°51	24° 6	29° 5	11°13	2° 8	1° 0	20°32	25° 7	S 22
S 23	12 39 57	11°54'52	29° 9	4°30	21°15	14° 5	1°29	15°56	24° 5	29° 7	11°14	2° 6	0°57	20°39	25° 8	S 23
M24	12 43 54	12°53'48	11♋18	6°29	22°25	14°41	1°43	16° 1	24° 3	29° 8	11°15	2°D 5	0°54	20°46	25° 8	M24
T 25	12 47 50	13°52'41	23°41	8°29	23°34	15°18	1°57	16° 6	24° 1	29°10	11°17	2° 5	0°51	20°52	25°R 8	T 25
W26	12 51 47	14°51'32	6♌24	10°30	24°44	15°54	2°11	16°11	24° 0	29°12	11°18	2° 7	0°48	20°59	25° 8	W26
T 27	12 55 43	15°50'21	19°31	12°32	25°53	16°30	2°25	16°16	23°58	29°14	11°20	2° 8	0°45	21° 6	25° 8	T 27
F 28	12 59 40	16°49'07	3♍ 4	14°35	27° 3	17° 7	2°39	16°21	23°56	29°15	11°21	2°R 8	0°41	21°12	25° 7	F 28
S 29	13 3 36	17°47'51	17° 5	16°40	28°12	17°43	2°53	16°27	23°54	29°17	11°22	2° 7	0°38	21°19	25° 7	S 29
S 30	13 7 33	18°46'33	1♎33	18°45	29°21	18°19	3° 7	16°32	23°52	29°19	11°24	2° 4	0°35	21°26	25° 7	S 30
M31	13 11 30	19♈45'13	16♎22	20♈51	0♊30	18♉55	3♉21	16♊37	23♏51	29♉21	11♓25	1♓59	0♓32	21♉33	25♐ 6	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	3s54	7n39	0s34	14s26	1s59	9n57	0n10	23s40	0s10	9n19	1s 1	21n24	1s13	18s41	0n16	18n18	1s39	20s32	14s 3	10s27	10s45	22n 5	17s47	5n36
S 2	3 31	0 56	1 50	13 59	2 3	10 26	0 14	23 41	0 11	9 24	1 1	21 24	1 12	18 41	0 16	18 18	1 38	20 31	14 3	10 27	10 46	22 7	17 47	5 37
M 3	3 7	5s55	3 1	13 31	2 6	10 55	0 17	23 41	0 12	9 28	1 1	21 25	1 12	18 40	0 16	18 18	1 38	20 31	14 3	10 28	10 47	22 9	17 46	5 38
T 4	2 44	12 32	4 0	13 1	2 9	11 24	0 20	23 42	0 13	9 33	1 1	21 26	1 12	18 40	0 16	18 19	1 38	20 30	14 4	10 29	10 48	22 11	17 46	5 38
W 5	2 20	18 28	4 44	12 30	2 12	11 52	0 24	23 43	0 15	9 38	1 1	21 26	1 12	18 40	0 16	18 19	1 38	20 30	14 4	10 30	10 49	22 13	17 45	5 39
T 6	1 56	23 17	5 9	11 58	2 14	12 21	0 27	23 43	0 16	9 43	1 1	21 27	1 11	18 40	0 16	18 19	1 38	20 29	14 4	10 31	10 50	22 15	17 44	5 40
F 7	1 33	26 35	5 14	11 24	2 16	12 49	0 31	23 43	0 17	9 48	1 0	21 27	1 11	18 40	0 16	18 20	1 38	20 29	14 4	10 32	10 52	22 17	17 44	5 40
S 8	1 9	28 9	4 59	10 50	2 17	13 17	0 34	23 43	0 18	9 53	1 0	21 28	1 11	18 39	0 16	18 20	1 38	20 28	14 4	10 32	10 53	22 19	17 43	5 41
S 9	0 45	27 52	4 27	10 14	2 18	13 44	0 38	23 43	0 20	9 58	1 0	21 28	1 11	18 39	0 16	18 20	1 38	20 28	14 4	10 32	10 54	22 22	17 43	5 42
M10	0 22	25 52	3 40	9 36	2 19	14 11	0 41	23 43	0 21	10 2	1 0	21 29	1 11	18 39	0 16	18 21	1 38	20 27	14 4	10 32	10 55	22 24	17 42	5 42
T 11	0n 2	22 28	2 42	8 58	2 18	14 38	0 45	23 42	0 22	10 7	1 0	21 30	1 10	18 39	0 16	18 21	1 38	20 27	14 4	10 31	10 56	22 26	17 41	5 43
W12	0 26	17 57	1 37	8 18	2 18	15 5	0 48	23 42	0 24	10 12	1 0	21 30	1 10	18 38	0 16	18 21	1 38	20 26	14 4	10 31	10 57	22 28	17 41	5 44
T 13	0 49	12 42	0 27	7 37	2 17	15 31	0 52	23 41	0 25	10 17	1 0	21 31	1 10	18 38	0 16	18 22	1 38	20 26	14 5	10 30	10 58	22 30	17 40	5 44
F 14	1 13	7 1	0n42	6 55	2 15	15 56	0 55	23 40	0 27	10 22	0 59	21 32	1 10	18 38	0 16	18 22	1 38	20 25	14 5	10 30	11 0	22 32	17 40	5 45
S 15	1 36	1 8	1 48	6 11	2 13	16 22	0 58	23 39	0 28	10 27	0 59	21 32	1 10	18 37	0 16	18 22	1 38	20 25	14 5	10 31	11 1	22 34	17 39	5 46
S 16	2 0	4n42	2 48	5 27	2 11	16 47	1 2	23 38	0 29	10 32	0 59	21 33	1 9	18 37	0 16	18 23	1 38	20 24	14 5	10 32	11 2	22 36	17 38	5 46
M17	2 24	10 17	3 40	4 41	2 8	17 11	1 5	23 36	0 31	10 37	0 59	21 34	1 9	18 37	0 16	18 23	1 38	20 24	14 5	10 34	11 3	22 38	17 38	5 47
T 18	2 47	15 25	4 21	3 54	2 4	17 36	1 9	23 35	0 32	10 42	0 59	21 34	1 9	18 36	0 16	18 24	1 38	20 23	14 5	10 36	11 4	22 40	17 37	5 48
W19	3 10	19 55	4 50	3 6	2 0	17 59	1 12	23 33	0 34	10 47	0 59	21 35	1 9	18 36	0 16	18 24	1 38	20 23	14 6	10 38	11 5	22 42	17 36	5 48
T 20	3 34	23 37	5 6	2 17	1 56	18 23	1 16	23 31	0 35	10 52	0 59	21 36	1 9	18 36	0 16	18 24	1 38	20 23	14 6	10 41	11 6	22 44	17 36	5 49
F 21	3 57	26 19	5 10	1 27	1 51	18 45	1 19	23 29	0 37	10 57	0 59	21 36	1 8	18 35	0 16	18 25	1 37	20 22	14 6	10 43	11 7	22 46	17 35	5 50
S 22	4 20	27 51	5 0	0 35	1 45	19 8	1 23	23 27	0 38	11 1	0 59	21 37	1 8	18 35	0 16	18 25	1 37	20 22	14 6	10 44	11 9	22 48	17 34	5 50
S 23	4 43	28 6	4 36	0n17	1 39	19 30	1 26	23 25	0 40	11 6	0 58	21 38	1 8	18 35	0 16	18 26	1 37	20 21	14 6	10 45	11 10	22 50	17 34	5 51
M24	5 6	27 1	4 1	1 10	1 33	19 51	1 29	23 22	0 41	11 11	0 58	21 38	1 8	18 34	0 16	18 26	1 37	20 21	14 6	10 46	11 11	22 52	17 33	5 52
T 25	5 29	24 35	3 13	2 4	1 26	20 12	1 33	23 20	0 43	11 16	0 58	21 39	1 8	18 34	0 16	18 26	1 37	20 21	14 7	10 45	11 12	22 54	17 32	5 52
W26	5 52	20 53	2 15	2 58	1 18	20 33	1 36	23 17	0 45	11 21	0 58	21 40	1 7	18 33	0 16	18 27	1 37	20 20	14 7	10 45	11 13	22 56	17 32	5 53
T 27	6 15	16 4	1 8	3 53	1 10	20 53	1 39	23 15	0 46	11 26	0 58	21 40	1 7	18 33	0 16	18 27	1 37	20 20	14 7	10 45	11 14	22 58	17 31	5 54
F 28	6 37	10 19	0s 5	4 49	1 1	21 12	1 42	23 12	0 48	11 31	0 58	21 41	1 7	18 32	0 16	18 28	1 37	20 20	14 7	10 44	11 15	23 0	17 30	5 54
S 29	7 0	3 53	1 20	5 45	0 52	21 31	1 46	23 9	0 50	11 36	0 58	21 42	1 7	18 32	0 16	18 28	1 37	20 19	14 8	10 45	11 16	23 2	17 30	5 55
S 30	7 22	2s56	2 32	6 42	0 43	21 50	1 49	23 5	0 51	11 41	0 58	21 43	1 7	18 32	0 16	18 28	1 37	20 19	14 8	10 46	11 18	23 4	17 29	5 56
M31	7n45	9s46	3s35	7n39	0s33	22n 8	1n52	23s 2	0s53	11n46	0s58	21n43	1s 6	18s31	0n16	18n29	1s37	20s19	14s 8	10s48	11s19	23n 6	17s28	5n56

Julian Day Number = 2291272.5, Delta T = 156.22 sec
Ecliptic obliquity = 23°29'55, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°37'00, Lahiri = 17°44'00 Julian Calendar 1 March 1561 == Greg. Calendar 11 March 1561

ASTRODIENST EPHEMERIS for the year 1561
geocentric

APRIL 1561 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 15 26	20♈43'51	1♏26	22♈58	1♊38	19♌31	3♉35	16♊43	23°R49	29♉22	11♓26	1°R53	0♓29	21♉39	25°R 6	T 1
W 2	13 19 23	21°42'27	16°34	25° 5	2°47	20° 7	3°50	16°48	23♏47	29°24	11°27	1♓45	0°25	21°46	25♐ 5	W 2
T 3	13 23 19	22°41'02	1♐38	27°13	3°55	20°43	4° 4	16°54	23°45	29°26	11°29	1°38	0°22	21°53	25° 4	T 3
F 4	13 27 16	23°39'34	16°26	29°20	5° 3	21°19	4°18	17° 0	23°43	29°28	11°30	1°32	0°19	22° 0	25° 3	F 4
S 5	13 31 12	24°38'06	0♌55	1♉27	6°11	21°54	4°32	17° 5	23°41	29°30	11°31	1°27	0°16	22° 6	25° 2	S 5
S 6	13 35 9	25°36'35	14°59	3°33	7°19	22°30	4°46	17°11	23°38	29°32	11°32	1°25	0°13	22°13	25° 1	S 6
M 7	13 39 5	26°35'03	28°38	5°38	8°27	23° 5	5° 1	17°17	23°36	29°34	11°34	1°D24	0°10	22°20	25° 0	M 7
T 8	13 43 2	27°33'29	11♒55	7°42	9°35	23°41	5°15	17°23	23°34	29°36	11°35	1°25	0° 6	22°26	24°59	T 8
W 9	13 46 59	28°31'53	24°51	9°44	10°42	24°16	5°29	17°29	23°32	29°38	11°36	1°R26	0° 3	22°33	24°58	W 9
T 10	13 50 55	29°30'16	7♓31	11°45	11°50	24°51	5°43	17°35	23°30	29°40	11°37	1°26	0° 0	22°40	24°56	T 10
F 11	13 54 52	0♉28'37	19°57	13°43	12°57	25°26	5°58	17°41	23°28	29°42	11°38	1°24	29♒57	22°47	24°55	F 11
S 12	13 58 48	1°26'57	2♈13	15°38	14° 4	26° 1	6°12	17°47	23°25	29°44	11°39	1°20	29°54	22°53	24°53	S 12
S 13	14 2 45	2°25'15	14°20	17°31	15°10	26°36	6°26	17°54	23°23	29°46	11°41	1°13	29°51	23° 0	24°51	S 13
M14	14 6 41	3°23'31	26°21	19°21	16°17	27°11	6°40	18° 0	23°21	29°48	11°42	1° 4	29°47	23° 7	24°50	M14
T 15	14 10 38	4°21'45	8♉18	21° 8	17°23	27°46	6°55	18° 6	23°19	29°50	11°43	0°53	29°44	23°13	24°48	T 15
W16	14 14 34	5°19'58	20°12	22°51	18°30	28°20	7° 9	18°13	23°16	29°52	11°44	0°40	29°41	23°20	24°46	W16
T 17	14 18 31	6°18'09	2♊ 4	24°31	19°36	28°54	7°23	18°19	23°14	29°54	11°45	0°28	29°38	23°27	24°44	T 17
F 18	14 22 28	7°16'18	13°56	26° 7	20°41	29°29	7°38	18°26	23°11	29°56	11°46	0°17	29°35	23°34	24°42	F 18
S 19	14 26 24	8°14'25	25°50	27°39	21°47	0♒ 3	7°52	18°32	23° 9	29°58	11°47	0° 8	29°31	23°40	24°40	S 19
S 20	14 30 21	9°12'31	7♋49	29° 8	22°52	0°37	8° 6	18°39	23° 7	0♊ 0	11°48	0° 1	29°28	23°47	24°38	S 20
M21	14 34 17	10°10'34	19°57	0♊32	23°57	1°11	8°20	18°46	23° 4	0° 3	11°49	29♒57	29°25	23°54	24°35	M21
T 22	14 38 14	11° 8'36	2♌18	1°53	25° 2	1°44	8°35	18°52	23° 2	0° 5	11°50	29°55	29°22	24° 1	24°33	T 22
W23	14 42 10	12° 6'36	14°57	3° 9	26° 7	2°18	8°49	18°59	22°59	0° 7	11°51	29°D55	29°19	24° 7	24°31	W23
T 24	14 46 7	13° 4'33	27°57	4°21	27°12	2°51	9° 3	19° 6	22°57	0° 9	11°52	29°R55	29°16	24°14	24°28	T 24
F 25	14 50 3	14° 2'29	11♍24	5°29	28°16	3°25	9°17	19°13	22°55	0°11	11°52	29°55	29°12	24°21	24°26	F 25
S 26	14 54 0	15° 0'23	25°20	6°33	29°20	3°58	9°32	19°20	22°52	0°13	11°53	29°52	29° 9	24°27	24°23	S 26
S 27	14 57 57	15°58'15	9♎45	7°32	0♋23	4°31	9°46	19°27	22°50	0°15	11°54	29°48	29° 6	24°34	24°20	S 27
M28	15 1 53	16°56'06	24°36	8°27	1°27	5° 3	10° 0	19°34	22°47	0°18	11°55	29°41	29° 3	24°41	24°17	M28
T 29	15 5 50	17°53'55	9♏46	9°17	2°30	5°36	10°14	19°41	22°45	0°20	11°56	29°32	29° 0	24°48	24°15	T 29
W30	15 9 46	18♉51'42	25♏ 6	10♊ 3	3♋33	6♒ 9	10♉29	19♊48	22♏42	0♊22	11♓56	29♒21	28♒56	24♉54	24♐12	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	8n 7	16s 8	4s25	8n35	0s23	22n25	1n55	22s59	0s55	11n51	0s58	21n44	1s 6	18s31	0n16	18n29	1s37	20s19	14s 8	10s50	11s20	23n 8	17s28	5n57
W 2	8 29	21 33	4 56	9 32	0 13	22 42	1 58	22 55	0 57	11 55	0 57	21 45	1 6	18 30	0 16	18 30	1 37	20 18	14 8	10 53	11 21	23 10	17 27	5 58
T 3	8 51	25 32	5 7	10 28	0 2	22 58	2 1	22 52	0 58	12 0	0 57	21 45	1 6	18 30	0 16	18 30	1 37	20 18	14 9	10 55	11 22	23 11	17 26	5 58
F 4	9 12	27 43	4 56	11 24	0n 8	23 13	2 4	22 48	1 0	12 5	0 57	21 46	1 6	18 29	0 16	18 31	1 37	20 18	14 9	10 57	11 23	23 13	17 26	5 59
S 5	9 34	27 57	4 27	12 18	0 19	23 28	2 7	22 44	1 2	12 10	0 57	21 47	1 6	18 29	0 16	18 31	1 37	20 17	14 9	10 59	11 24	23 15	17 25	6 0
S 6	9 55	26 21	3 43	13 12	0 30	23 43	2 9	22 40	1 4	12 15	0 57	21 48	1 5	18 28	0 16	18 31	1 37	20 17	14 9	11 0	11 25	23 17	17 24	6 0
M 7	10 17	23 12	2 46	14 5	0 41	23 57	2 12	22 36	1 6	12 20	0 57	21 48	1 5	18 28	0 16	18 32	1 37	20 17	14 10	11 0	11 27	23 19	17 24	6 1
T 8	10 38	18 54	1 43	14 56	0 52	24 10	2 15	22 32	1 8	12 24	0 57	21 49	1 5	18 27	0 16	18 32	1 37	20 17	14 10	11 0	11 28	23 21	17 23	6 1
W 9	10 59	13 49	0 35	15 45	1 2	24 22	2 17	22 27	1 10	12 29	0 57	21 50	1 5	18 26	0 16	18 33	1 37	20 17	14 10	11 0	11 29	23 23	17 22	6 2
T 10	11 19	8 16	0n32	16 33	1 13	24 34	2 20	22 23	1 12	12 34	0 57	21 51	1 5	18 26	0 16	18 33	1 37	20 16	14 10	11 0	11 30	23 25	17 22	6 3
F 11	11 40	2 30	1 37	17 18	1 23	24 46	2 23	22 18	1 13	12 39	0 57	21 51	1 5	18 25	0 16	18 34	1 37	20 16	14 11	11 0	11 31	23 27	17 21	6 3
S 12	12 0	3n16	2 37	18 2	1 32	24 57	2 25	22 14	1 15	12 44	0 57	21 52	1 4	18 25	0 16	18 34	1 37	20 16	14 11	11 2	11 32	23 28	17 20	6 4
S 13	12 21	8 51	3 28	18 43	1 41	25 7	2 27	22 9	1 17	12 48	0 57	21 53	1 4	18 24	0 16	18 35	1 37	20 16	14 11	11 4	11 33	23 30	17 20	6 4
M14	12 41	14 4	4 9	19 22	1 50	25 16	2 30	22 4	1 20	12 53	0 57	21 53	1 4	18 24	0 16	18 35	1 37	20 16	14 12	11 7	11 34	23 32	17 19	6 5
T 15	13 0	18 43	4 39	19 58	1 57	25 25	2 32	22 0	1 22	12 58	0 56	21 54	1 4	18 23	0 16	18 36	1 37	20 15	14 12	11 11	11 36	23 34	17 18	6 6
W16	13 20	22 36	4 57	20 32	2 5	25 33	2 34	21 55	1 24	13 3	0 56	21 55	1 4	18 23	0 16	18 36	1 36	20 15	14 12	11 16	11 37	23 36	17 18	6 6
T 17	13 39	25 33	5 2	21 4	2 11	25 41	2 36	21 50	1 26	13 7	0 56	21 56	1 4	18 22	0 16	18 36	1 36	20 15	14 12	11 20	11 38	23 38	17 17	6 7
F 18	13 58	27 23	4 54	21 33	2 17	25 48	2 38	21 45	1 28	13 12	0 56	21 56	1 3	18 21	0 16	18 37	1 36	20 15	14 13	11 24	11 39	23 40	17 16	6 7
S 19	14 17	27 58	4 33	21 59	2 22	25 54	2 40	21 39	1 30	13 17	0 56	21 57	1 3	18 21	0 16	18 37	1 36	20 15	14 13	11 27	11 40	23 41	17 16	6 8
S 20	14 36	27 15	3 59	22 23	2 26	26 0	2 41	21 34	1 32	13 21	0 56	21 58	1 3	18 20	0 16	18 38	1 36	20 15	14 13	11 30	11 41	23 43	17 15	6 9
M21	14 54	25 14	3 15	22 44	2 29	26 5	2 43	21 29	1 35	13 26	0 56	21 58	1 3	18 20	0 16	18 38	1 36	20 15	14 14	11 31	11 42	23 45	17 14	6 9
T 22	15 13	21 59	2 21	23 3	2 31	26 9	2 45	21 24	1 37	13 31	0 56	21 59	1 3	18 19	0 16	18 39	1 36	20 15	14 14	11 32	11 43	23 47	17 14	6 10
W23	15 30	17 39	1 19	23 20	2 33	26 13	2 46	21 18	1 39	13 35	0 56	22 0	1 3	18 18	0 16	18 39	1 36	20 15	14 14	11 32	11 44	23 49	17 13	6 10
T 24	15 48	12 23	0 10	23 34	2 33	26 16	2 48	21 13	1 41	13 40	0 56	22 1	1 3	18 18	0 16	18 40	1 36	20 14	14 15	11 32	11 46	23 50	17 12	6 11
F 25	16 6	6 22	1s 1	23 46	2 33	26 18	2 49	21 7	1 44	13 44	0 56	22 1	1 2	18 17	0 16	18 40	1 36	20 14	14 15	11 32	11 47	23 52	17 12	6 11
S 26	16 23	0s 8	2 10	23 56	2 31	26 20	2 50	21 2	1 46	13 49	0 56	22 2	1 2	18 16	0 16	18 41	1 36	20 14	14 15	11 33	11 48	23 54	17 11	6 12
S 27	16 40	6 51	3 14	24 4	2 29	26 21	2 51	20 56	1 48	13 54	0 56	22 3	1 2	18 16	0 16	18 41	1 36	20 14	14 16	11 34	11 49	23 56	17 11	6 12
M28	16 56	13 22	4 7	24 10	2 25	26 21	2 52	20 50	1 51	13 58	0 56	22 3	1 2	18 15	0 16	18 42	1 36	20 14	14 16	11 37	11 50	23 57	17 10	6 13
T 29	17 12	19 15	4 43	24 13	2 21	26 21	2 53	20 45	1 53	14 3	0 56	22 4	1 2	18 15	0 16	18 42	1 36	20 14	14 16	11 40	11 51	23 59	17 9	6 13
W30	17n28	23s56	5s 0	24n15	2n16	26n20	2n53	20s39	1s56	14n 7	0s56	22n 5	1s 2	18s14	0n16	18n43	1s36	20s14	14s17	11s44	11s52	24n 1	17s 9	6n14

Julian Day Number = 2291303.5, Delta T = 156.04 sec
Ecliptic obliquity = 23°29'55, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°37'04, Lahiri = 17°44'05 Julian Calendar 1 Apr. 1561 == Greg. Calendar 11 Apr. 1561

ASTRODIENST EPHEMERIS for the year 1561
geocentric

MAY 1561 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 13 43	19♉49'28	10♐24	10♊44	4♋35	6♒41	10♉43	19♊55	22°R40	0♊24	11♓57	29°R11	28♒53	25♉ 1	24°R 9	T 1
F 2	15 17 39	20°47'13	25°28	11°21	5°37	7°13	10°57	20° 2	22♏37	0°27	11°58	29♒ 2	28°50	25° 8	24♐ 6	F 2
S 3	15 21 36	21°44'57	10♑11	11°53	6°39	7°45	11°11	20° 9	22°35	0°29	11°59	28°55	28°47	25°14	24° 3	S 3
S 4	15 25 32	22°42'39	24°27	12°20	7°41	8°17	11°25	20°17	22°32	0°31	11°59	28°50	28°44	25°21	23°59	S 4
M 5	15 29 29	23°40'20	8♒13	12°42	8°42	8°48	11°39	20°24	22°30	0°33	12° 0	28°48	28°41	25°28	23°56	M 5
T 6	15 33 26	24°38'00	21°32	12°59	9°43	9°20	11°53	20°31	22°27	0°35	12° 1	28°47	28°37	25°35	23°53	T 6
W 7	15 37 22	25°35'40	4♓27	13°12	10°44	9°51	12° 7	20°39	22°25	0°38	12° 1	28°47	28°34	25°41	23°50	W 7
T 8	15 41 19	26°33'18	17° 2	13°20	11°44	10°22	12°21	20°46	22°22	0°40	12° 2	28°47	28°31	25°48	23°46	T 8
F 9	15 45 15	27°30'55	29°20	13°R23	12°44	10°53	12°35	20°53	22°20	0°42	12° 3	28°44	28°28	25°55	23°43	F 9
S 10	15 49 12	28°28'31	11♈28	13°21	13°43	11°23	12°49	21° 1	22°17	0°44	12° 3	28°39	28°25	26° 2	23°39	S 10
S 11	15 53 8	29°26'06	23°27	13°15	14°42	11°53	13° 3	21° 8	22°15	0°47	12° 4	28°31	28°22	26° 8	23°36	S 11
M12	15 57 5	0♊23'40	5♉22	13° 5	15°41	12°23	13°17	21°16	22°12	0°49	12° 4	28°21	28°18	26°15	23°32	M12
T 13	16 1 1	1°21'14	17°15	12°50	16°40	12°53	13°31	21°23	22°10	0°51	12° 5	28° 8	28°15	26°22	23°29	T 13
W14	16 4 58	2°18'46	29° 6	12°32	17°37	13°23	13°45	21°31	22° 7	0°53	12° 5	27°54	28°12	26°28	23°25	W14
T 15	16 8 55	3°16'17	10♊59	12°10	18°35	13°52	13°59	21°39	22° 5	0°56	12° 6	27°40	28° 9	26°35	23°21	T 15
F 16	16 12 51	4°13'47	22°54	11°45	19°32	14°21	14°13	21°46	22° 2	0°58	12° 6	27°27	28° 6	26°42	23°18	F 16
S 17	16 16 48	5°11'16	4♋52	11°18	20°29	14°49	14°27	21°54	22° 0	1° 0	12° 6	27°16	28° 2	26°49	23°14	S 17
S 18	16 20 44	6° 8'44	16°57	10°48	21°25	15°18	14°40	22° 1	21°57	1° 2	12° 7	27° 8	27°59	26°55	23°10	S 18
M19	16 24 41	7° 6'10	29° 9	10°16	22°20	15°46	14°54	22° 9	21°55	1° 5	12° 7	27° 3	27°56	27° 2	23° 6	M19
T 20	16 28 37	8° 3'36	11♌34	9°43	23°15	16°14	15° 8	22°17	21°53	1° 7	12° 7	27° 0	27°53	27° 9	23° 2	T 20
W21	16 32 34	9° 1'00	24°13	9°10	24°10	16°41	15°21	22°24	21°50	1° 9	12° 8	26°D59	27°50	27°16	22°58	W21
T 22	16 36 30	9°58'23	7♍12	8°36	25° 4	17° 9	15°35	22°32	21°48	1°11	12° 8	26°R59	27°47	27°22	22°55	T 22
F 23	16 40 27	10°55'45	20°33	8° 3	25°57	17°35	15°49	22°40	21°46	1°14	12° 8	26°59	27°43	27°29	22°51	F 23
S 24	16 44 24	11°53'06	4♎21	7°31	26°50	18° 2	16° 2	22°48	21°43	1°16	12° 8	26°58	27°40	27°36	22°47	S 24
S 25	16 48 20	12°50'26	18°35	7° 1	27°42	18°28	16°16	22°55	21°41	1°18	12° 9	26°54	27°37	27°42	22°43	S 25
M26	16 52 17	13°47'44	3♏16	6°33	28°33	18°54	16°29	23° 3	21°39	1°20	12° 9	26°47	27°34	27°49	22°39	M26
T 27	16 56 13	14°45'02	18°17	6° 7	29°24	19°20	16°42	23°11	21°37	1°22	12° 9	26°39	27°31	27°56	22°35	T 27
W28	17 0 10	15°42'19	3♐31	5°45	0♌14	19°45	16°56	23°19	21°34	1°25	12° 9	26°29	27°28	28° 3	22°31	W28
T 29	17 4 6	16°39'36	18°47	5°26	1° 4	20°10	17° 9	23°27	21°32	1°27	12° 9	26°20	27°24	28° 9	22°27	T 29
F 30	17 8 3	17°36'51	3♑54	5°11	1°52	20°34	17°22	23°34	21°30	1°29	12° 9	26°11	27°21	28°16	22°23	F 30
S 31	17 12 0	18♊34'07	18♑42	4♊59	2♌40	20♒58	17♉35	23♊42	21♏28	1♊31	12♓ 9	26♒ 4	27♒18	28♉23	22♐19	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n44	26s55	4s55	24n15	2n 9	26n19	2n54	20s33	1s58	14n12	0s56	22n 5	1s 2	18s13	0n16	18n43	1s36	20s14	14s17	11s47	11s53	24n 3	17s 8	6n14
F 2	18 0	27 55	4 30	24 12	2 2	26 17	2 54	20 27	2 1	14 16	0 56	22 6	1 1	18 13	0 16	18 44	1 36	20 14	14 17	11 50	11 54	24 4	17 8	6 15
S 3	18 15	26 52	3 47	24 9	1 54	26 14	2 55	20 22	2 3	14 20	0 56	22 7	1 1	18 12	0 16	18 44	1 36	20 14	14 18	11 53	11 56	24 6	17 7	6 15
S 4	18 30	24 5	2 51	24 3	1 44	26 11	2 55	20 16	2 6	14 25	0 56	22 7	1 1	18 11	0 16	18 45	1 36	20 14	14 18	11 54	11 57	24 8	17 6	6 16
M 5	18 44	19 58	1 46	23 56	1 34	26 7	2 55	20 10	2 8	14 29	0 56	22 8	1 1	18 11	0 16	18 45	1 36	20 14	14 18	11 55	11 58	24 10	17 6	6 16
T 6	18 58	14 58	0 38	23 47	1 22	26 3	2 55	20 4	2 11	14 34	0 56	22 9	1 1	18 10	0 16	18 45	1 36	20 15	14 19	11 55	11 59	24 11	17 5	6 17
W 7	19 12	9 26	0n30	23 36	1 10	25 58	2 55	19 58	2 14	14 38	0 56	22 9	1 1	18 10	0 16	18 46	1 36	20 15	14 19	11 55	12 0	24 13	17 5	6 17
T 8	19 26	3 41	1 35	23 24	0 57	25 52	2 54	19 52	2 16	14 42	0 55	22 10	1 1	18 9	0 16	18 46	1 36	20 15	14 19	11 56	12 1	24 15	17 4	6 17
F 9	19 39	2n 5	2 34	23 10	0 43	25 46	2 54	19 47	2 19	14 46	0 55	22 11	1 1	18 8	0 16	18 47	1 36	20 15	14 20	11 57	12 2	24 16	17 3	6 18
S 10	19 52	7 41	3 25	22 56	0 28	25 39	2 53	19 41	2 22	14 51	0 55	22 11	1 0	18 8	0 16	18 47	1 36	20 15	14 20	11 58	12 3	24 18	17 3	6 18
S 11	20 5	12 56	4 6	22 39	0 13	25 32	2 52	19 35	2 25	14 55	0 55	22 12	1 0	18 7	0 16	18 48	1 36	20 15	14 20	12 1	12 4	24 20	17 2	6 19
M12	20 17	17 41	4 36	22 22	0s 3	25 25	2 51	19 29	2 28	14 59	0 55	22 12	1 0	18 6	0 16	18 48	1 36	20 15	14 21	12 5	12 6	24 21	17 2	6 19
T 13	20 29	21 43	4 54	22 4	0 20	25 16	2 50	19 23	2 30	15 3	0 55	22 13	1 0	18 6	0 16	18 49	1 36	20 15	14 21	12 9	12 7	24 23	17 1	6 19
W14	20 41	24 52	4 59	21 45	0 37	25 7	2 49	19 18	2 33	15 8	0 55	22 14	1 0	18 5	0 16	18 49	1 36	20 15	14 21	12 14	12 8	24 25	17 1	6 20
T 15	20 52	26 57	4 51	21 25	0 54	24 58	2 47	19 12	2 36	15 12	0 55	22 14	1 0	18 5	0 16	18 50	1 36	20 16	14 22	12 19	12 9	24 26	17 0	6 20
F 16	21 3	27 49	4 31	21 4	1 12	24 48	2 46	19 6	2 39	15 16	0 55	22 15	1 0	18 4	0 16	18 50	1 36	20 16	14 22	12 23	12 10	24 28	17 0	6 20
S 17	21 13	27 23	3 58	20 43	1 29	24 38	2 44	19 1	2 42	15 20	0 55	22 15	1 0	18 3	0 16	18 51	1 36	20 16	14 23	12 27	12 11	24 29	16 59	6 21
S 18	21 23	25 38	3 15	20 22	1 46	24 27	2 42	18 55	2 45	15 24	0 55	22 16	1 0	18 3	0 16	18 51	1 36	20 16	14 23	12 30	12 12	24 31	16 59	6 21
M19	21 33	22 41	2 21	20 1	2 3	24 16	2 40	18 49	2 48	15 28	0 55	22 17	0 59	18 2	0 16	18 52	1 36	20 16	14 23	12 32	12 13	24 33	16 58	6 21
T 20	21 42	18 39	1 21	19 40	2 19	24 5	2 38	18 44	2 51	15 32	0 55	22 17	0 59	18 2	0 16	18 52	1 36	20 17	14 24	12 32	12 14	24 34	16 58	6 22
W21	21 51	13 43	0 15	19 19	2 35	23 53	2 35	18 39	2 54	15 36	0 55	22 18	0 59	18 1	0 16	18 52	1 36	20 17	14 24	12 33	12 15	24 36	16 57	6 22
T 22	22 0	8 4	0s54	18 59	2 50	23 40	2 32	18 33	2 58	15 40	0 55	22 18	0 59	18 0	0 16	18 53	1 36	20 17	14 24	12 33	12 17	24 38	16 57	6 22
F 23	22 8	1 54	2 1	18 40	3 4	23 27	2 30	18 28	3 1	15 44	0 55	22 19	0 59	18 0	0 16	18 53	1 36	20 17	14 25	12 33	12 18	24 39	16 56	6 23
S 24	22 16	4s33	3 4	18 22	3 17	23 14	2 26	18 23	3 4	15 48	0 55	22 19	0 59	17 59	0 16	18 54	1 36	20 17	14 25	12 33	12 19	24 41	16 56	6 23
S 25	22 24	10 57	3 57	18 6	3 29	23 1	2 23	18 18	3 7	15 52	0 55	22 20	0 59	17 59	0 16	18 54	1 36	20 18	14 26	12 35	12 20	24 42	16 55	6 23
M26	22 31	16 58	4 37	17 50	3 40	22 47	2 20	18 12	3 10	15 55	0 55	22 20	0 59	17 58	0 16	18 55	1 36	20 18	14 26	12 37	12 21	24 44	16 55	6 23
T 27	22 37	22 5	4 59	17 37	3 50	22 33	2 16	18 8	3 14	15 59	0 55	22 21	0 59	17 57	0 16	18 55	1 36	20 18	14 26	12 40	12 22	24 45	16 54	6 24
W28	22 44	25 48	4 59	17 25	3 58	22 18	2 12	18 3	3 17	16 3	0 55	22 21	0 59	17 57	0 16	18 56	1 36	20 19	14 27	12 43	12 23	24 47	16 54	6 24
T 29	22 50	27 40	4 39	17 15	4 5	22 3	2 8	17 58	3 20	16 7	0 55	22 22	0 58	17 56	0 16	18 56	1 36	20 19	14 27	12 46	12 24	24 48	16 54	6 24
F 30	22 55	27 26	3 59	17 7	4 10	21 48	2 4	17 53	3 24	16 10	0 55	22 22	0 58	17 56	0 16	18 56	1 36	20 19	14 27	12 49	12 25	24 50	16 53	6 24
S 31	23n 0	25s14	3s 4	17n 1	4s14	21n33	1n59	17s49	3s27	16n14	0s55	22n23	0s58	17s55	0n16	18n57	1s36	20s19	14s28	12s52	12s26	24n52	16s53	6n24

Julian Day Number = 2291333.5, Delta T = 155.87 sec
Ecliptic obliquity = 23°29'54, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°37'08, Lahiri = 17°44'09 Julian Calendar 1 May 1561 == Greg. Calendar 11 May 1561

ASTRODIENST EPHEMERIS for the year 1561
geocentric

JUNE 1561 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 15 56	19♊31'21	3♒ 5	4°R52	3♌27	21♒22	17♉48	23♊50	21°R26	1♊33	12♓ 9	26°R 0	27♒15	28♉30	22°R14	S 1
M 2	17 19 53	20°28'36	16°59	4°D50	4°13	21°45	18° 2	23°58	21♏24	1°35	12°R10	25♒58	27°12	28°36	22♐10	M 2
T 3	17 23 49	21°25'50	0♓25	4♊51	4°59	22° 8	18°15	24° 6	21°22	1°38	12°10	25°D58	27° 8	28°43	22° 6	T 3
W 4	17 27 46	22°23'04	13°24	4°58	5°43	22°31	18°28	24°14	21°20	1°40	12° 9	25°58	27° 5	28°50	22° 2	W 4
T 5	17 31 42	23°20'17	26° 0	5° 9	6°27	22°53	18°40	24°21	21°18	1°42	12° 9	25°R58	27° 2	28°56	21°58	T 5
F 6	17 35 39	24°17'31	8♈19	5°25	7°10	23°14	18°53	24°29	21°16	1°44	12° 9	25°57	26°59	29° 3	21°54	F 6
S 7	17 39 35	25°14'44	20°25	5°45	7°51	23°35	19° 6	24°37	21°14	1°46	12° 9	25°54	26°56	29°10	21°50	S 7
S 8	17 43 32	26°11'57	2♉22	6°11	8°32	23°56	19°19	24°45	21°12	1°48	12° 9	25°49	26°53	29°17	21°46	S 8
M 9	17 47 29	27° 9'11	14°14	6°40	9°11	24°16	19°32	24°53	21°10	1°50	12° 9	25°41	26°49	29°23	21°42	M 9
T 10	17 51 25	28° 6'24	26° 5	7°15	9°50	24°35	19°44	25° 1	21° 8	1°52	12° 9	25°32	26°46	29°30	21°38	T 10
W11	17 55 22	29° 3'37	7♊58	7°54	10°27	24°54	19°57	25° 8	21° 6	1°54	12° 9	25°22	26°43	29°37	21°34	W11
T 12	17 59 18	0♋ 0'50	19°54	8°37	11° 3	25°13	20° 9	25°16	21° 4	1°56	12° 8	25°11	26°40	29°43	21°30	T 12
F 13	18 3 15	0°58'03	1♋55	9°25	11°38	25°31	20°22	25°24	21° 3	1°58	12° 8	25° 1	26°37	29°50	21°26	F 13
S 14	18 7 11	1°55'15	14° 2	10°17	12°11	25°48	20°34	25°32	21° 1	2° 0	12° 8	24°53	26°34	29°57	21°22	S 14
S 15	18 11 8	2°52'28	26°17	11°13	12°44	26° 5	20°46	25°40	20°59	2° 2	12° 8	24°47	26°30	0♊ 4	21°18	S 15
M16	18 15 4	3°49'40	8♌41	12°14	13°15	26°21	20°58	25°48	20°58	2° 4	12° 7	24°44	26°27	0°10	21°14	M16
T 17	18 19 1	4°46'52	21°16	13°19	13°44	26°37	21°11	25°55	20°56	2° 6	12° 7	24°D43	26°24	0°17	21°10	T 17
W18	18 22 58	5°44'04	4♍ 4	14°28	14°12	26°52	21°23	26° 3	20°55	2° 8	12° 7	24°43	26°21	0°24	21° 6	W18
T 19	18 26 54	6°41'15	17° 9	15°41	14°38	27° 7	21°35	26°11	20°53	2°10	12° 6	24°44	26°18	0°31	21° 3	T 19
F 20	18 30 51	7°38'26	0♎31	16°58	15° 3	27°21	21°46	26°19	20°52	2°12	12° 6	24°45	26°14	0°37	20°59	F 20
S 21	18 34 47	8°35'37	14°15	18°19	15°26	27°34	21°58	26°26	20°50	2°14	12° 6	24°R45	26°11	0°44	20°55	S 21
S 22	18 38 44	9°32'48	28°20	19°44	15°47	27°46	22°10	26°34	20°49	2°16	12° 5	24°44	26° 8	0°51	20°51	S 22
M23	18 42 40	10°29'59	12♏46	21°13	16° 6	27°58	22°22	26°42	20°48	2°18	12° 5	24°40	26° 5	0°57	20°48	M23
T 24	18 46 37	11°27'09	27°29	22°46	16°24	28°10	22°33	26°50	20°46	2°20	12° 4	24°35	26° 2	1° 4	20°44	T 24
W25	18 50 33	12°24'20	12♐24	24°22	16°39	28°20	22°45	26°57	20°45	2°21	12° 4	24°29	25°59	1°11	20°40	W25
T 26	18 54 30	13°21'31	27°23	26° 2	16°53	28°30	22°56	27° 5	20°44	2°23	12° 3	24°23	25°55	1°18	20°37	T 26
F 27	18 58 27	14°18'42	12♑17	27°45	17° 5	28°39	23° 7	27°13	20°43	2°25	12° 3	24°18	25°52	1°24	20°33	F 27
S 28	19 2 23	15°15'53	26°57	29°32	17°14	28°48	23°19	27°20	20°42	2°27	12° 2	24°14	25°49	1°31	20°30	S 28
S 29	19 6 20	16°13'04	11♒16	1♋21	17°21	28°56	23°30	27°28	20°40	2°29	12° 1	24°12	25°46	1°38	20°26	S 29
M30	19 10 16	17♋10'16	25♒11	3♋14	17♌27	29♒ 3	23♉41	27♊35	20♏39	2♊30	12♓ 1	24°D11	25♒43	1♊45	20♐23	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n 5	21s26	1s58	16n57	4s17	21n17	1n54	17s44	3s31	16n18	0s55	22n23	0s58	17s55	0n16	18n57	1s36	20s20	14s28	12s53	12s27	24n53	16s52	6n24
M 2	23 9	16 32	0 48	16 55	4 19	21 1	1 49	17 40	3 34	16 21	0 55	22 24	0 58	17 54	0 16	18 58	1 36	20 20	14 28	12 54	12 29	24 55	16 52	6 25
T 3	23 13	10 59	0n24	16 55	4 19	20 45	1 44	17 36	3 38	16 25	0 55	22 24	0 58	17 54	0 16	18 58	1 36	20 20	14 29	12 54	12 30	24 56	16 52	6 25
W 4	23 17	5 8	1 32	16 57	4 18	20 29	1 39	17 32	3 41	16 29	0 55	22 24	0 58	17 53	0 16	18 59	1 36	20 21	14 29	12 54	12 31	24 58	16 51	6 25
T 5	23 20	0n45	2 33	17 1	4 16	20 12	1 33	17 28	3 45	16 32	0 55	22 25	0 58	17 53	0 16	18 59	1 36	20 21	14 30	12 54	12 32	24 59	16 51	6 25
F 6	23 22	6 27	3 26	17 6	4 13	19 56	1 27	17 24	3 48	16 36	0 55	22 25	0 58	17 52	0 16	18 59	1 36	20 21	14 30	12 54	12 33	25 1	16 51	6 25
S 7	23 25	11 49	4 8	17 14	4 9	19 39	1 21	17 20	3 52	16 39	0 55	22 26	0 58	17 52	0 16	19 0	1 36	20 22	14 30	12 55	12 34	25 2	16 50	6 25
S 8	23 27	16 41	4 39	17 23	4 4	19 22	1 14	17 17	3 56	16 43	0 56	22 26	0 58	17 51	0 16	19 0	1 36	20 22	14 31	12 57	12 35	25 4	16 50	6 25
M 9	23 28	20 53	4 58	17 34	3 58	19 5	1 8	17 14	3 59	16 46	0 56	22 26	0 58	17 51	0 16	19 1	1 36	20 23	14 31	12 59	12 36	25 5	16 50	6 25
T 10	23 29	24 15	5 4	17 47	3 51	18 48	1 1	17 10	4 3	16 49	0 56	22 27	0 57	17 50	0 16	19 1	1 36	20 23	14 31	13 2	12 37	25 6	16 49	6 25
W11	23 30	26 34	4 57	18 0	3 43	18 31	0 53	17 8	4 7	16 53	0 56	22 27	0 57	17 50	0 16	19 1	1 36	20 23	14 32	13 6	12 38	25 8	16 49	6 25
T 12	23 30	27 43	4 37	18 15	3 35	18 14	0 46	17 5	4 11	16 56	0 56	22 28	0 57	17 49	0 15	19 2	1 36	20 24	14 32	13 10	12 39	25 9	16 49	6 25
F 13	23 30	27 33	4 4	18 31	3 26	17 57	0 38	17 2	4 15	16 59	0 56	22 28	0 57	17 49	0 15	19 2	1 36	20 24	14 32	13 13	12 40	25 11	16 49	6 25
S 14	23 29	26 5	3 20	18 48	3 16	17 40	0 30	17 0	4 18	17 2	0 56	22 28	0 57	17 48	0 15	19 2	1 36	20 25	14 33	13 15	12 42	25 12	16 48	6 25
S 15	23 28	23 21	2 27	19 6	3 6	17 22	0 22	16 58	4 22	17 6	0 56	22 29	0 57	17 48	0 15	19 3	1 36	20 25	14 33	13 17	12 43	25 14	16 48	6 25
M16	23 27	19 30	1 25	19 25	2 55	17 5	0 13	16 56	4 26	17 9	0 56	22 29	0 57	17 48	0 15	19 3	1 36	20 26	14 33	13 19	12 44	25 15	16 48	6 25
T 17	23 25	14 44	0 19	19 44	2 44	16 48	0 4	16 54	4 30	17 12	0 56	22 29	0 57	17 47	0 15	19 4	1 36	20 26	14 34	13 19	12 45	25 16	16 48	6 25
W18	23 22	9 16	0s50	20 4	2 33	16 31	0s 5	16 52	4 34	17 15	0 56	22 29	0 57	17 47	0 15	19 4	1 36	20 26	14 34	13 19	12 46	25 18	16 47	6 25
T 19	23 20	3 17	1 58	20 24	2 21	16 15	0 15	16 51	4 38	17 18	0 56	22 30	0 57	17 46	0 15	19 4	1 36	20 27	14 35	13 19	12 47	25 19	16 47	6 25
F 20	23 17	2s58	3 1	20 44	2 9	15 58	0 25	16 50	4 42	17 21	0 56	22 30	0 57	17 46	0 15	19 5	1 36	20 27	14 35	13 18	12 48	25 21	16 47	6 25
S 21	23 13	9 14	3 55	21 3	1 56	15 42	0 35	16 49	4 46	17 24	0 56	22 30	0 57	17 46	0 15	19 5	1 37	20 28	14 35	13 18	12 49	25 22	16 47	6 25
S 22	23 9	15 13	4 37	21 23	1 43	15 25	0 45	16 48	4 50	17 27	0 56	22 31	0 57	17 45	0 15	19 5	1 37	20 28	14 36	13 19	12 50	25 23	16 47	6 25
M23	23 5	20 30	5 2	21 42	1 31	15 9	0 56	16 48	4 54	17 30	0 56	22 31	0 57	17 45	0 15	19 6	1 37	20 29	14 36	13 20	12 51	25 25	16 47	6 25
T 24	23 0	24 39	5 8	22 0	1 18	14 53	1 7	16 47	4 58	17 33	0 56	22 31	0 57	17 45	0 15	19 6	1 37	20 29	14 36	13 21	12 52	25 26	16 46	6 25
W25	22 55	27 12	4 54	22 18	1 5	14 38	1 19	16 47	5 2	17 36	0 56	22 31	0 56	17 44	0 15	19 6	1 37	20 30	14 37	13 23	12 53	25 27	16 46	6 25
T 26	22 50	27 48	4 19	22 34	0 52	14 23	1 30	16 48	5 6	17 39	0 56	22 32	0 56	17 44	0 15	19 7	1 37	20 30	14 37	13 25	12 55	25 29	16 46	6 25
F 27	22 44	26 22	3 27	22 50	0 39	14 8	1 42	16 48	5 9	17 42	0 56	22 32	0 56	17 44	0 15	19 7	1 37	20 31	14 37	13 27	12 56	25 30	16 46	6 25
S 28	22 37	23 9	2 22	23 3	0 27	13 53	1 54	16 49	5 13	17 44	0 56	22 32	0 56	17 44	0 15	19 7	1 37	20 31	14 38	13 29	12 57	25 32	16 46	6 24
S 29	22 31	18 33	1 10	23 15	0 14	13 39	2 7	16 50	5 17	17 47	0 56	22 32	0 56	17 43	0 15	19 8	1 37	20 32	14 38	13 29	12 58	25 33	16 46	6 24
M30	22n24	13s 4	0n 5	23n25	0s 2	13n26	2s20	16s51	5s21	17n50	0s56	22n32	0s56	17s43	0n15	19n 8	1s37	20s32	14s38	13s30	12s59	25n34	16s46	6n24

Julian Day Number = 2291364.5, Delta T = 155.70 sec
Ecliptic obliquity = 23°29'54, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°37'13, Lahiri = 17°44'13 Julian Calendar 1 June 1561 == Greg. Calendar 11 June 1561

ASTRODIENST EPHEMERIS for the year 1561
geocentric

JULY 1561 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 14 13	18♋ 7'29	8♓40	5♋10	17♌29	29♒ 9	23♉52	27♊43	20°R38	2♊32	12°R 0	24♒12	25♒40	1♊51	20°R20	T 1
W 2	19 18 9	19° 4'42	21°43	7° 8	17°R30	29°15	24° 3	27°50	20♏38	2°34	12♓ 0	24°13	25°36	1°58	20♐16	W 2
T 3	19 22 6	20° 1'55	4♈23	9° 8	17°28	29°19	24°13	27°58	20°37	2°35	11°59	24°15	25°33	2° 5	20°13	T 3
F 4	19 26 2	20°59'10	16°45	11°10	17°24	29°23	24°24	28° 5	20°36	2°37	11°58	24°R16	25°30	2°11	20°10	F 4
S 5	19 29 59	21°56'25	28°53	13°14	17°18	29°27	24°35	28°13	20°35	2°39	11°58	24°15	25°27	2°18	20° 7	S 5
S 6	19 33 56	22°53'42	10♉51	15°19	17° 9	29°29	24°45	28°20	20°34	2°40	11°57	24°14	25°24	2°25	20° 4	S 6
M 7	19 37 52	23°50'59	22°44	17°25	16°58	29°31	24°56	28°27	20°34	2°42	11°56	24°11	25°20	2°32	20° 1	M 7
T 8	19 41 49	24°48'17	4♊36	19°32	16°44	29°32	25° 6	28°35	20°33	2°43	11°55	24° 7	25°17	2°38	19°58	T 8
W 9	19 45 45	25°45'35	16°31	21°39	16°29	29°R32	25°16	28°42	20°32	2°45	11°55	24° 3	25°14	2°45	19°55	W 9
T 10	19 49 42	26°42'55	28°31	23°46	16°10	29°31	25°26	28°49	20°32	2°46	11°54	23°58	25°11	2°52	19°52	T 10
F 11	19 53 38	27°40'16	10♋40	25°53	15°50	29°29	25°36	28°57	20°31	2°48	11°53	23°54	25° 8	2°58	19°49	F 11
S 12	19 57 35	28°37'37	22°58	27°59	15°28	29°27	25°46	29° 4	20°31	2°49	11°52	23°50	25° 5	3° 5	19°47	S 12
S 13	20 1 32	29°34'59	5♌28	0♌ 5	15° 3	29°24	25°55	29°11	20°31	2°51	11°51	23°48	25° 1	3°12	19°44	S 13
M14	20 5 28	0♌32'22	18° 9	2°10	14°36	29°20	26° 5	29°18	20°30	2°52	11°50	23°D47	24°58	3°19	19°42	M14
T 15	20 9 25	1°29'45	1♍ 2	4°14	14° 8	29°15	26°15	29°25	20°30	2°53	11°50	23°47	24°55	3°25	19°39	T 15
W16	20 13 21	2°27'10	14° 9	6°17	13°37	29°10	26°24	29°32	20°30	2°55	11°49	23°48	24°52	3°32	19°37	W16
T 17	20 17 18	3°24'35	27°29	8°19	13° 5	29° 4	26°33	29°39	20°29	2°56	11°48	23°49	24°49	3°39	19°35	T 17
F 18	20 21 14	4°22'00	11♎ 3	10°19	12°32	28°57	26°42	29°46	20°29	2°57	11°47	23°50	24°46	3°46	19°32	F 18
S 19	20 25 11	5°19'26	24°52	12°18	11°58	28°49	26°51	29°53	20°29	2°59	11°46	23°51	24°42	3°52	19°30	S 19
S 20	20 29 7	6°16'53	8♏54	14°15	11°22	28°41	27° 0	29°59	20°D29	3° 0	11°45	23°R51	24°39	3°59	19°28	S 20
M21	20 33 4	7°14'21	23° 9	16°11	10°46	28°32	27° 9	0♋ 7	20°29	3° 1	11°44	23°51	24°36	4° 6	19°26	M21
T 22	20 37 1	8°11'50	7♐34	18° 5	10° 9	28°22	27°18	0°14	20°29	3° 2	11°43	23°50	24°33	4°12	19°24	T 22
W23	20 40 57	9° 9'19	22° 6	19°58	9°31	28°12	27°26	0°20	20°29	3° 3	11°42	23°48	24°30	4°19	19°22	W23
T 24	20 44 54	10° 6'49	6♑39	21°50	8°54	28° 1	27°34	0°27	20°30	3° 5	11°41	23°46	24°26	4°26	19°20	T 24
F 25	20 48 50	11° 4'21	21° 8	23°39	8°17	27°49	27°43	0°34	20°30	3° 6	11°40	23°45	24°23	4°33	19°19	F 25
S 26	20 52 47	12° 1'53	5♒26	25°28	7°40	27°37	27°51	0°40	20°30	3° 7	11°39	23°44	24°20	4°39	19°17	S 26
S 27	20 56 43	12°59'26	19°30	27°15	7° 4	27°25	27°59	0°47	20°30	3° 8	11°38	23°D43	24°17	4°46	19°16	S 27
M28	21 0 40	13°57'00	3♓15	29° 0	6°28	27°12	28° 6	0°53	20°31	3° 9	11°37	23°43	24°14	4°53	19°14	M28
T 29	21 4 36	14°54'36	16°38	0♍44	5°54	26°58	28°14	1° 0	20°31	3°10	11°36	23°44	24°11	5° 0	19°13	T 29
W30	21 8 33	15°52'13	29°41	2°26	5°21	26°44	28°22	1° 6	20°32	3°11	11°35	23°45	24° 7	5° 6	19°11	W30
T 31	21 12 30	16♌49'52	12♈22	4♍ 7	4♌49	26♒30	28♉29	1♋12	20♏32	3♊12	11♓34	23♒45	24♒ 4	5♊13	19♐10	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n16	7s 8	1n18	23n33	0n 9	13n13	2s32	16s52	5s25	17n52	0s56	22n33	0s56	17s43	0n15	19n 8	1s37	20s33	14s38	13s29	13s 0	25n35	16s46	6n24
W 2	22 8	1 5	2 24	23 39	0 21	13 0	2 46	16 54	5 29	17 55	0 57	22 33	0 56	17 43	0 15	19 8	1 37	20 33	14 39	13 29	13 1	25 37	16 46	6 24
T 3	22 0	4n50	3 22	23 42	0 31	12 48	2 59	16 56	5 33	17 58	0 57	22 33	0 56	17 42	0 15	19 9	1 37	20 34	14 39	13 28	13 2	25 38	16 46	6 23
F 4	21 51	10 25	4 8	23 43	0 42	12 36	3 12	16 58	5 37	18 0	0 57	22 33	0 56	17 42	0 15	19 9	1 37	20 34	14 39	13 28	13 3	25 39	16 46	6 23
S 5	21 42	15 30	4 42	23 41	0 51	12 25	3 26	17 0	5 41	18 3	0 57	22 33	0 56	17 42	0 15	19 9	1 37	20 35	14 40	13 28	13 4	25 41	16 46	6 23
S 6	21 33	19 55	5 4	23 36	1 0	12 14	3 40	17 3	5 44	18 5	0 57	22 33	0 56	17 42	0 15	19 10	1 37	20 36	14 40	13 29	13 5	25 42	16 46	6 23
M 7	21 23	23 31	5 12	23 29	1 8	12 4	3 54	17 6	5 48	18 8	0 57	22 33	0 56	17 42	0 15	19 10	1 37	20 36	14 40	13 30	13 6	25 43	16 46	6 23
T 8	21 13	26 8	5 7	23 19	1 15	11 55	4 8	17 9	5 52	18 10	0 57	22 34	0 56	17 41	0 15	19 10	1 37	20 37	14 41	13 31	13 7	25 44	16 46	6 22
W 9	21 3	27 36	4 49	23 6	1 22	11 46	4 22	17 12	5 55	18 12	0 57	22 34	0 56	17 41	0 15	19 10	1 37	20 37	14 41	13 32	13 8	25 46	16 46	6 22
T 10	20 52	27 47	4 18	22 51	1 28	11 39	4 35	17 16	5 59	18 15	0 57	22 34	0 56	17 41	0 15	19 11	1 37	20 38	14 41	13 34	13 10	25 47	16 46	6 22
F 11	20 41	26 38	3 35	22 32	1 33	11 31	4 49	17 20	6 2	18 17	0 57	22 34	0 56	17 41	0 15	19 11	1 37	20 38	14 41	13 35	13 11	25 48	16 46	6 22
S 12	20 29	24 11	2 41	22 12	1 37	11 25	5 3	17 24	6 6	18 19	0 57	22 34	0 56	17 41	0 15	19 11	1 37	20 39	14 42	13 37	13 12	25 49	16 46	6 21
S 13	20 17	20 33	1 39	21 49	1 40	11 19	5 16	17 28	6 9	18 21	0 57	22 34	0 56	17 41	0 15	19 11	1 37	20 40	14 42	13 37	13 13	25 51	16 46	6 21
M14	20 5	15 55	0 31	21 24	1 43	11 14	5 30	17 32	6 12	18 24	0 57	22 34	0 56	17 41	0 15	19 12	1 37	20 40	14 42	13 38	13 14	25 52	16 46	6 21
T 15	19 53	10 31	0s40	20 57	1 45	11 10	5 43	17 37	6 16	18 26	0 57	22 34	0 56	17 41	0 15	19 12	1 37	20 41	14 42	13 38	13 15	25 53	16 46	6 20
W16	19 40	4 34	1 50	20 28	1 46	11 6	5 55	17 42	6 19	18 28	0 57	22 34	0 56	17 41	0 15	19 12	1 37	20 41	14 43	13 37	13 16	25 54	16 46	6 20
T 17	19 26	1s40	2 55	19 57	1 47	11 3	6 7	17 47	6 22	18 30	0 58	22 34	0 56	17 41	0 15	19 12	1 37	20 42	14 43	13 37	13 17	25 55	16 47	6 20
F 18	19 13	7 56	3 52	19 25	1 47	11 1	6 19	17 52	6 25	18 32	0 58	22 34	0 55	17 41	0 15	19 12	1 37	20 42	14 43	13 36	13 18	25 57	16 47	6 20
S 19	18 59	13 56	4 36	18 51	1 46	11 0	6 30	17 57	6 27	18 34	0 58	22 34	0 55	17 41	0 15	19 13	1 37	20 43	14 43	13 36	13 19	25 58	16 47	6 19
S 20	18 45	19 18	5 5	18 16	1 45	10 59	6 40	18 3	6 30	18 36	0 58	22 34	0 55	17 41	0 15	19 13	1 38	20 44	14 44	13 36	13 20	25 59	16 47	6 19
M21	18 30	23 41	5 15	17 39	1 43	10 59	6 50	18 8	6 32	18 38	0 58	22 34	0 55	17 41	0 15	19 13	1 38	20 44	14 44	13 36	13 21	26 0	16 47	6 19
T 22	18 16	26 40	5 6	17 2	1 40	11 0	6 59	18 14	6 35	18 40	0 58	22 35	0 55	17 41	0 15	19 13	1 38	20 45	14 44	13 37	13 22	26 1	16 47	6 18
W23	18 1	27 53	4 38	16 24	1 37	11 2	7 8	18 19	6 37	18 42	0 58	22 35	0 55	17 41	0 15	19 13	1 38	20 45	14 44	13 37	13 23	26 2	16 48	6 18
T 24	17 45	27 11	3 52	15 44	1 34	11 4	7 16	18 25	6 39	18 43	0 58	22 35	0 55	17 41	0 15	19 14	1 38	20 46	14 45	13 38	13 24	26 3	16 48	6 17
F 25	17 30	24 39	2 51	15 5	1 30	11 7	7 22	18 31	6 41	18 45	0 58	22 35	0 55	17 41	0 15	19 14	1 38	20 47	14 45	13 38	13 25	26 5	16 48	6 17
S 26	17 14	20 34	1 39	14 24	1 25	11 10	7 29	18 37	6 42	18 47	0 58	22 35	0 55	17 41	0 15	19 14	1 38	20 47	14 45	13 39	13 27	26 6	16 48	6 17
S 27	16 57	15 23	0 23	13 43	1 20	11 14	7 34	18 43	6 44	18 49	0 58	22 35	0 55	17 41	0 15	19 14	1 38	20 48	14 45	13 39	13 28	26 7	16 49	6 16
M28	16 41	9 31	0n52	13 1	1 15	11 18	7 38	18 49	6 45	18 50	0 58	22 34	0 55	17 41	0 15	19 14	1 38	20 48	14 45	13 39	13 29	26 8	16 49	6 16
T 29	16 24	3 23	2 4	12 20	1 10	11 23	7 42	18 54	6 47	18 52	0 59	22 34	0 55	17 41	0 14	19 14	1 38	20 49	14 46	13 39	13 30	26 9	16 49	6 16
W30	16 7	2n43	3 6	11 37	1 4	11 28	7 44	19 0	6 48	18 53	0 59	22 34	0 55	17 42	0 14	19 14	1 38	20 50	14 46	13 38	13 31	26 10	16 49	6 15
T 31	15n50	8n33	3n58	10n55	0n57	11n33	7s46	19s 6	6s48	18n55	0s59	22n34	0s55	17s42	0n14	19n15	1s38	20s50	14s46	13s38	13s32	26n11	16s50	6n15

Julian Day Number = 2291394.5, Delta T = 155.53 sec
Ecliptic obliquity = 23°29'54, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°37'17, Lahiri = 17°44'17 Julian Calendar 1 July 1561 == Greg. Calendar 11 July 1561

ASTRODIENST EPHEMERIS for the year 1561
geocentric

AUGUST 1561 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 16 26	17♌47'32	24♈46	5♍46	4°R19	26°R15	28♉36	1♋18	20♏33	3♊12	11°R32	23♒46	24♒ 1	5♊20	19°R 9	F 1
S 2	21 20 23	18°45'14	6♉56	7°24	3♌51	26♒ 0	28°43	1°25	20°33	3°13	11♓31	23°46	23°58	5°26	19♐ 8	S 2
S 3	21 24 19	19°42'57	18°56	9° 0	3°25	25°45	28°50	1°31	20°34	3°14	11°30	23°R46	23°55	5°33	19° 7	S 3
M 4	21 28 16	20°40'42	0♊50	10°35	3° 1	25°29	28°57	1°37	20°35	3°15	11°29	23°46	23°52	5°40	19° 6	M 4
T 5	21 32 12	21°38'29	12°43	12° 9	2°39	25°13	29° 4	1°43	20°36	3°16	11°28	23°46	23°48	5°47	19° 5	T 5
W 6	21 36 9	22°36'18	24°39	13°41	2°19	24°57	29°10	1°49	20°37	3°16	11°27	23°46	23°45	5°53	19° 5	W 6
T 7	21 40 5	23°34'08	6♋44	15°12	2° 2	24°42	29°17	1°55	20°37	3°17	11°26	23°D46	23°42	6° 0	19° 4	T 7
F 8	21 44 2	24°32'00	18°58	16°41	1°47	24°26	29°23	2° 1	20°38	3°18	11°24	23°46	23°39	6° 7	19° 4	F 8
S 9	21 47 59	25°29'53	1♌27	18° 9	1°34	24°10	29°29	2° 6	20°39	3°18	11°23	23°46	23°36	6°13	19° 3	S 9
S 10	21 51 55	26°27'49	14°11	19°36	1°24	23°54	29°35	2°12	20°40	3°19	11°22	23°46	23°32	6°20	19° 3	S 10
M11	21 55 52	27°25'45	27°11	21° 0	1°16	23°38	29°40	2°18	20°42	3°19	11°21	23°R46	23°29	6°27	19° 3	M11
T 12	21 59 48	28°23'44	10♍28	22°24	1°11	23°22	29°46	2°23	20°43	3°20	11°20	23°46	23°26	6°34	19° 2	T 12
W13	22 3 45	29°21'43	23°59	23°46	1° 8	23° 7	29°51	2°29	20°44	3°21	11°19	23°46	23°23	6°40	19°D 2	W13
T 14	22 7 41	0♍19'45	7♎44	25° 6	1°D 7	22°51	29°56	2°34	20°45	3°21	11°17	23°45	23°20	6°47	19° 2	T 14
F 15	22 11 38	1°17'47	21°40	26°25	1° 9	22°37	0♊ 1	2°39	20°46	3°21	11°16	23°44	23°17	6°54	19° 2	F 15
S 16	22 15 34	2°15'51	5♏44	27°42	1°12	22°22	0° 6	2°44	20°48	3°22	11°15	23°43	23°13	7° 0	19° 3	S 16
S 17	22 19 31	3°13'57	19°54	28°57	1°18	22° 8	0°11	2°50	20°49	3°22	11°14	23°43	23°10	7° 7	19° 3	S 17
M18	22 23 28	4°12'04	4♐ 7	0♎11	1°27	21°54	0°15	2°55	20°51	3°23	11°12	23°D43	23° 7	7°14	19° 3	M18
T 19	22 27 24	5°10'13	18°21	1°22	1°37	21°41	0°20	3° 0	20°52	3°23	11°11	23°43	23° 4	7°21	19° 4	T 19
W20	22 31 21	6° 8'23	2♑33	2°32	1°50	21°28	0°24	3° 5	20°54	3°23	11°10	23°43	23° 1	7°27	19° 4	W20
T 21	22 35 17	7° 6'34	16°41	3°40	2° 4	21°16	0°28	3°10	20°55	3°23	11° 9	23°44	22°58	7°34	19° 5	T 21
F 22	22 39 14	8° 4'47	0♒41	4°45	2°21	21° 4	0°32	3°14	20°57	3°24	11° 7	23°46	22°54	7°41	19° 6	F 22
S 23	22 43 10	9° 3'02	14°33	5°49	2°39	20°53	0°35	3°19	20°59	3°24	11° 6	23°46	22°51	7°48	19° 6	S 23
S 24	22 47 7	10° 1'18	28°12	6°50	2°59	20°43	0°39	3°24	21° 0	3°24	11° 5	23°R46	22°48	7°54	19° 7	S 24
M25	22 51 3	10°59'36	11♓38	7°48	3°22	20°33	0°42	3°28	21° 2	3°24	11° 4	23°46	22°45	8° 1	19° 8	M25
T 26	22 55 0	11°57'55	24°48	8°44	3°45	20°24	0°45	3°33	21° 4	3°24	11° 3	23°44	22°42	8° 8	19° 9	T 26
W27	22 58 56	12°56'17	7♈41	9°36	4°11	20°16	0°48	3°37	21° 6	3°R24	11° 1	23°42	22°38	8°14	19°11	W27
T 28	23 2 53	13°54'41	20°19	10°26	4°38	20° 8	0°50	3°41	21° 8	3°24	11° 0	23°39	22°35	8°21	19°12	T 28
F 29	23 6 50	14°53'06	2♉41	11°13	5° 7	20° 1	0°53	3°45	21°10	3°24	10°59	23°35	22°32	8°28	19°13	F 29
S 30	23 10 46	15°51'34	14°50	11°55	5°37	19°54	0°55	3°50	21°12	3°24	10°58	23°32	22°29	8°35	19°15	S 30
S 31	23 14 43	16♍50'04	26♉50	12♎34	6♌ 9	19♒49	0♊57	3♋54	21♏14	3♊24	10♓56	23♒30	22♒26	8♊41	19♐16	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15n32	13n55	4n37	10n12	0n51	11n39	7s47	19s12	6s49	18n56	0s59	22n34	0s55	17s42	0n14	19n15	1s38	20s51	14s46	13s38	13s33	26n12	16s50	6n14
S 2	15 14	18 38	5 3	9 30	0 44	11 45	7 48	19 18	6 50	18 58	0 59	22 34	0 55	17 42	0 14	19 15	1 38	20 51	14 46	13 38	13 34	26 13	16 50	6 14
S 3	14 56	22 33	5 16	8 47	0 37	11 52	7 47	19 23	6 50	18 59	0 59	22 34	0 55	17 42	0 14	19 15	1 38	20 52	14 46	13 38	13 35	26 14	16 51	6 14
M 4	14 38	25 30	5 14	8 4	0 30	11 58	7 46	19 29	6 50	19 1	0 59	22 34	0 55	17 43	0 14	19 15	1 38	20 53	14 47	13 38	13 36	26 15	16 51	6 13
T 5	14 20	27 20	5 0	7 21	0 22	12 5	7 44	19 34	6 50	19 2	0 59	22 34	0 55	17 43	0 14	19 15	1 38	20 53	14 47	13 38	13 37	26 17	16 51	6 13
W 6	14 1	27 55	4 32	6 39	0 14	12 11	7 42	19 39	6 49	19 3	0 59	22 34	0 55	17 43	0 14	19 15	1 38	20 54	14 47	13 38	13 38	26 18	16 52	6 12
T 7	13 42	27 11	3 52	5 57	0 6	12 18	7 38	19 44	6 49	19 5	0 59	22 34	0 55	17 43	0 14	19 15	1 38	20 54	14 47	13 38	13 39	26 19	16 52	6 12
F 8	13 23	25 8	3 1	5 14	0s 2	12 25	7 35	19 49	6 48	19 6	1 0	22 34	0 55	17 44	0 14	19 15	1 38	20 55	14 47	13 38	13 40	26 20	16 52	6 12
S 9	13 3	21 51	2 1	4 32	0 10	12 32	7 31	19 53	6 47	19 7	1 0	22 34	0 55	17 44	0 14	19 15	1 38	20 55	14 47	13 38	13 41	26 21	16 53	6 11
S 10	12 44	17 27	0 53	3 51	0 19	12 39	7 26	19 58	6 46	19 8	1 0	22 34	0 55	17 44	0 14	19 15	1 39	20 56	14 47	13 38	13 42	26 22	16 53	6 11
M11	12 24	12 11	0s19	3 9	0 27	12 45	7 21	20 2	6 45	19 9	1 0	22 34	0 55	17 44	0 14	19 16	1 39	20 57	14 48	13 38	13 43	26 23	16 54	6 10
T 12	12 4	6 15	1 31	2 29	0 36	12 52	7 15	20 6	6 43	19 10	1 0	22 34	0 55	17 45	0 14	19 16	1 39	20 57	14 48	13 38	13 44	26 24	16 54	6 10
W13	11 43	0s 3	2 40	1 48	0 44	12 58	7 9	20 9	6 41	19 11	1 0	22 33	0 55	17 45	0 14	19 16	1 39	20 58	14 48	13 38	13 46	26 25	16 54	6 9
T 14	11 23	6 27	3 40	1 8	0 53	13 5	7 3	20 13	6 40	19 12	1 0	22 33	0 55	17 46	0 14	19 16	1 39	20 58	14 48	13 38	13 47	26 26	16 55	6 9
F 15	11 2	12 36	4 28	0 29	1 2	13 11	6 56	20 16	6 37	19 13	1 0	22 33	0 55	17 46	0 14	19 16	1 39	20 59	14 48	13 38	13 48	26 27	16 55	6 9
S 16	10 42	18 11	5 1	0s10	1 11	13 17	6 49	20 18	6 35	19 14	1 0	22 33	0 55	17 46	0 14	19 16	1 39	20 59	14 48	13 39	13 49	26 28	16 56	6 8
S 17	10 21	22 49	5 16	0 48	1 20	13 23	6 42	20 21	6 33	19 15	1 0	22 33	0 55	17 47	0 14	19 16	1 39	21 0	14 48	13 39	13 50	26 28	16 56	6 8
M18	10 0	26 7	5 11	1 26	1 29	13 28	6 34	20 23	6 30	19 16	1 1	22 33	0 55	17 47	0 14	19 16	1 39	21 1	14 48	13 39	13 51	26 29	16 57	6 7
T 19	9 38	27 46	4 48	2 3	1 38	13 34	6 27	20 25	6 27	19 17	1 1	22 33	0 55	17 47	0 14	19 16	1 39	21 1	14 48	13 39	13 52	26 30	16 57	6 7
W20	9 17	27 35	4 7	2 39	1 47	13 38	6 19	20 26	6 24	19 18	1 1	22 33	0 55	17 48	0 14	19 16	1 39	21 2	14 48	13 39	13 53	26 31	16 58	6 6
T 21	8 55	25 37	3 11	3 14	1 56	13 43	6 11	20 27	6 21	19 18	1 1	22 33	0 55	17 48	0 14	19 16	1 39	21 2	14 48	13 38	13 54	26 32	16 58	6 6
F 22	8 34	22 4	2 4	3 48	2 5	13 47	6 3	20 28	6 18	19 19	1 1	22 33	0 55	17 49	0 14	19 16	1 39	21 3	14 48	13 38	13 55	26 33	16 59	6 5
S 23	8 12	17 19	0 51	4 21	2 13	13 51	5 55	20 28	6 15	19 20	1 1	22 32	0 55	17 49	0 14	19 16	1 39	21 3	14 49	13 38	13 56	26 34	16 59	6 5
S 24	7 50	11 45	0n24	4 53	2 22	13 55	5 46	20 29	6 11	19 20	1 1	22 32	0 55	17 50	0 14	19 16	1 39	21 4	14 49	13 38	13 57	26 35	17 0	6 5
M25	7 28	5 43	1 37	5 24	2 31	13 58	5 38	20 28	6 8	19 21	1 1	22 32	0 55	17 50	0 14	19 16	1 39	21 4	14 49	13 38	13 58	26 36	17 0	6 4
T 26	7 5	0n25	2 43	5 54	2 39	14 1	5 29	20 28	6 4	19 21	1 1	22 32	0 55	17 51	0 14	19 16	1 39	21 5	14 49	13 39	13 59	26 37	17 1	6 4
W27	6 43	6 24	3 39	6 22	2 47	14 4	5 21	20 27	6 0	19 22	1 2	22 32	0 55	17 51	0 14	19 16	1 39	21 5	14 49	13 39	14 0	26 38	17 1	6 3
T 28	6 21	12 0	4 23	6 49	2 55	14 6	5 12	20 26	5 56	19 22	1 2	22 32	0 55	17 52	0 14	19 16	1 39	21 6	14 49	13 40	14 1	26 38	17 2	6 3
F 29	5 58	17 1	4 54	7 15	3 3	14 7	5 4	20 24	5 52	19 23	1 2	22 32	0 55	17 52	0 14	19 15	1 40	21 6	14 49	13 41	14 2	26 39	17 2	6 2
S 30	5 35	21 16	5 10	7 38	3 10	14 9	4 55	20 22	5 48	19 23	1 2	22 32	0 55	17 53	0 14	19 15	1 40	21 7	14 49	13 42	14 3	26 40	17 3	6 2
S 31	5n13	24n34	5n14	8s 0	3s17	14n 9	4s46	20s20	5s44	19n23	1s 2	22n31	0s55	17s53	0n14	19n15	1s40	21s 7	14s49	13s43	14s 4	26n41	17s 4	6n 1

Julian Day Number = 2291425.5, Delta T = 155.36 sec
Ecliptic obliquity = 23°29'54, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°37'21, Lahiri = 17°44'21 Julian Calendar 1 Aug. 1561 == Greg. Calendar 11 Aug. 1561

ASTRODIENST EPHEMERIS for the year 1561
geocentric

SEPTEMBER 1561 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 18 39	17♍48'36	8♊44	13♎ 9	6♌42	19°R44	0♊59	3♋57	21♏16	3°R24	10°R55	23°R29	22♒23	8♊48	19♐18	M 1
T 2	23 22 36	18°47'11	20°36	13°40	7°17	19♒40	1° 1	4° 1	21°18	3♊23	10♓54	23°D28	22°19	8°55	19°19	T 2
W 3	23 26 32	19°45'47	2♋32	14° 5	7°53	19°37	1° 2	4° 5	21°20	3°23	10°53	23♒29	22°16	9° 1	19°21	W 3
T 4	23 30 29	20°44'26	14°36	14°26	8°30	19°34	1° 3	4° 9	21°22	3°23	10°51	23°30	22°13	9° 8	19°23	T 4
F 5	23 34 25	21°43'07	26°53	14°41	9° 9	19°33	1° 5	4°12	21°25	3°23	10°50	23°32	22°10	9°15	19°25	F 5
S 6	23 38 22	22°41'50	9♌27	14°50	9°48	19°32	1° 6	4°16	21°27	3°23	10°49	23°33	22° 7	9°22	19°27	S 6
S 7	23 42 19	23°40'36	22°21	14°R53	10°29	19°D32	1° 6	4°19	21°29	3°22	10°48	23°R34	22° 4	9°28	19°29	S 7
M 8	23 46 15	24°39'23	5♍36	14°49	11°11	19°32	1° 7	4°22	21°32	3°22	10°47	23°34	22° 0	9°35	19°31	M 8
T 9	23 50 12	25°38'13	19°14	14°39	11°54	19°34	1° 7	4°25	21°34	3°21	10°45	23°31	21°57	9°42	19°34	T 9
W10	23 54 8	26°37'05	3♎11	14°21	12°37	19°36	1°R 7	4°29	21°37	3°21	10°44	23°28	21°54	9°48	19°36	W10
T 11	23 58 5	27°35'58	17°24	13°56	13°22	19°39	1° 7	4°31	21°39	3°21	10°43	23°23	21°51	9°55	19°39	T 11
F 12	0 2 1	28°34'54	1♏48	13°23	14° 8	19°43	1° 7	4°34	21°42	3°20	10°42	23°18	21°48	10° 2	19°41	F 12
S 13	0 5 58	29°33'51	16°17	12°43	14°55	19°48	1° 6	4°37	21°44	3°19	10°41	23°12	21°44	10° 9	19°44	S 13
S 14	0 9 54	0♎32'51	0♐46	11°56	15°42	19°54	1° 5	4°40	21°47	3°19	10°40	23° 8	21°41	10°15	19°46	S 14
M15	0 13 51	1°31'52	15° 8	11° 2	16°31	20° 0	1° 5	4°42	21°50	3°18	10°38	23° 5	21°38	10°22	19°49	M15
T 16	0 17 48	2°30'55	29°22	10° 2	17°20	20° 7	1° 3	4°45	21°52	3°18	10°37	23°D 4	21°35	10°29	19°52	T 16
W17	0 21 44	3°30'00	13♑24	8°58	18°10	20°15	1° 2	4°47	21°55	3°17	10°36	23° 4	21°32	10°35	19°55	W17
T 18	0 25 41	4°29'06	27°14	7°50	19° 0	20°23	1° 1	4°49	21°58	3°16	10°35	23° 6	21°29	10°42	19°58	T 18
F 19	0 29 37	5°28'14	10♒52	6°41	19°52	20°33	0°59	4°51	22° 1	3°16	10°34	23° 7	21°25	10°49	20° 1	F 19
S 20	0 33 34	6°27'24	24°18	5°31	20°44	20°43	0°57	4°54	22° 3	3°15	10°33	23°R 8	21°22	10°56	20° 4	S 20
S 21	0 37 30	7°26'36	7♓33	4°23	21°37	20°54	0°55	4°55	22° 6	3°14	10°32	23° 7	21°19	11° 2	20° 8	S 21
M22	0 41 27	8°25'50	20°35	3°19	22°30	21° 5	0°53	4°57	22° 9	3°13	10°31	23° 3	21°16	11° 9	20°11	M22
T 23	0 45 23	9°25'05	3♈26	2°20	23°24	21°17	0°50	4°59	22°12	3°13	10°30	22°58	21°13	11°16	20°14	T 23
W24	0 49 20	10°24'23	16° 5	1°29	24°19	21°30	0°47	5° 1	22°15	3°12	10°29	22°51	21° 9	11°22	20°18	W24
T 25	0 53 17	11°23'43	28°33	0°47	25°15	21°43	0°44	5° 2	22°18	3°11	10°28	22°42	21° 6	11°29	20°21	T 25
F 26	0 57 13	12°23'05	10♉48	0°14	26°10	21°57	0°41	5° 3	22°21	3°10	10°27	22°32	21° 3	11°36	20°25	F 26
S 27	1 1 10	13°22'29	22°54	29♍51	27° 7	22°12	0°38	5° 5	22°24	3° 9	10°25	22°23	21° 0	11°43	20°29	S 27
S 28	1 5 6	14°21'56	4♊51	29°40	28° 4	22°27	0°35	5° 6	22°27	3° 8	10°25	22°15	20°57	11°49	20°33	S 28
M29	1 9 3	15°21'24	16°43	29°D40	29° 2	22°43	0°31	5° 7	22°30	3° 7	10°24	22° 9	20°54	11°56	20°36	M29
T 30	1 12 59	16♎20'56	28♊34	29♍50	29♌59	23♒ 0	0♊27	5♋ 8	22♏33	3♊ 6	10♓23	22♒ 5	20♒50	12♊ 3	20♐40	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4n50	26n48	5n 3	8s20	3s23	14n10	4s38	20s18	5s40	19n24	1s 2	22n31	0s55	17s54	0n14	19n15	1s40	21s 8	14s49	13s44	14s 5	26n42	17s 4	6n 1
T 2	4 27	27 49	4 40	8 37	3 30	14 9	4 29	20 15	5 35	19 24	1 2	22 31	0 55	17 55	0 14	19 15	1 40	21 8	14 49	13 44	14 6	26 43	17 5	6 0
W 3	4 4	27 33	4 4	8 52	3 35	14 9	4 20	20 12	5 31	19 24	1 2	22 31	0 55	17 55	0 14	19 15	1 40	21 9	14 49	13 44	14 7	26 43	17 5	6 0
T 4	3 41	25 58	3 17	9 5	3 40	14 8	4 12	20 9	5 27	19 24	1 2	22 31	0 55	17 56	0 14	19 15	1 40	21 9	14 49	13 43	14 8	26 44	17 6	6 0
F 5	3 18	23 8	2 21	9 14	3 44	14 6	4 3	20 5	5 22	19 24	1 2	22 31	0 55	17 56	0 14	19 15	1 40	21 9	14 49	13 43	14 9	26 45	17 6	5 59
S 6	2 54	19 10	1 17	9 21	3 47	14 4	3 55	20 1	5 18	19 24	1 3	22 31	0 55	17 57	0 14	19 15	1 40	21 10	14 48	13 42	14 10	26 46	17 7	5 59
S 7	2 31	14 12	0 7	9 24	3 50	14 1	3 46	19 57	5 13	19 25	1 3	22 31	0 55	17 58	0 14	19 15	1 40	21 10	14 48	13 42	14 11	26 47	17 8	5 58
M 8	2 8	8 28	1s 5	9 24	3 51	13 58	3 38	19 52	5 9	19 25	1 3	22 31	0 55	17 58	0 14	19 15	1 40	21 11	14 48	13 42	14 13	26 47	17 8	5 58
T 9	1 44	2 12	2 15	9 20	3 51	13 55	3 30	19 47	5 4	19 24	1 3	22 30	0 55	17 59	0 14	19 14	1 40	21 11	14 48	13 43	14 14	26 48	17 9	5 57
W10	1 21	4s19	3 19	9 12	3 50	13 50	3 21	19 42	4 59	19 24	1 3	22 30	0 55	18 0	0 14	19 14	1 40	21 12	14 48	13 44	14 15	26 49	17 9	5 57
T 11	0 57	10 43	4 12	8 59	3 47	13 46	3 13	19 37	4 55	19 24	1 3	22 30	0 55	18 0	0 14	19 14	1 40	21 12	14 48	13 45	14 16	26 50	17 10	5 57
F 12	0 34	16 39	4 49	8 43	3 43	13 41	3 5	19 31	4 50	19 24	1 3	22 30	0 55	18 1	0 14	19 14	1 40	21 12	14 48	13 47	14 17	26 51	17 11	5 56
S 13	0 10	21 40	5 8	8 21	3 37	13 35	2 57	19 25	4 46	19 24	1 3	22 30	0 55	18 2	0 14	19 14	1 40	21 13	14 48	13 49	14 18	26 51	17 11	5 56
S 14	0s13	25 22	5 8	7 56	3 29	13 29	2 49	19 19	4 41	19 24	1 3	22 30	0 55	18 2	0 14	19 14	1 40	21 13	14 48	13 50	14 19	26 52	17 12	5 55
M15	0 37	27 26	4 48	7 25	3 19	13 22	2 41	19 13	4 36	19 23	1 3	22 30	0 55	18 3	0 13	19 14	1 40	21 13	14 48	13 51	14 20	26 53	17 13	5 55
T 16	1 0	27 40	4 11	6 51	3 7	13 15	2 33	19 6	4 32	19 23	1 4	22 30	0 55	18 4	0 13	19 13	1 40	21 14	14 48	13 52	14 21	26 53	17 13	5 54
W17	1 24	26 7	3 19	6 13	2 54	13 7	2 25	18 59	4 27	19 23	1 4	22 30	0 55	18 4	0 13	19 13	1 40	21 14	14 48	13 52	14 22	26 54	17 14	5 54
T 18	1 47	22 59	2 16	5 32	2 38	12 59	2 17	18 52	4 23	19 22	1 4	22 29	0 55	18 5	0 13	19 13	1 40	21 14	14 47	13 51	14 23	26 55	17 14	5 54
F 19	2 11	18 36	1 6	4 49	2 21	12 50	2 10	18 45	4 18	19 22	1 4	22 29	0 55	18 6	0 13	19 13	1 41	21 15	14 47	13 51	14 24	26 56	17 15	5 53
S 20	2 34	13 21	0n 6	4 5	2 3	12 41	2 2	18 38	4 14	19 21	1 4	22 29	0 55	18 7	0 13	19 13	1 41	21 15	14 47	13 51	14 25	26 56	17 16	5 53
S 21	2 58	7 34	1 17	3 20	1 43	12 31	1 55	18 30	4 9	19 21	1 4	22 29	0 55	18 7	0 13	19 13	1 41	21 15	14 47	13 51	14 26	26 57	17 16	5 52
M22	3 21	1 33	2 23	2 36	1 23	12 21	1 47	18 22	4 5	19 20	1 4	22 29	0 55	18 8	0 13	19 12	1 41	21 16	14 47	13 52	14 27	26 58	17 17	5 52
T 23	3 44	4n25	3 20	1 54	1 3	12 11	1 40	18 14	4 0	19 20	1 4	22 29	0 55	18 9	0 13	19 12	1 41	21 16	14 47	13 54	14 28	26 58	17 18	5 52
W24	4 8	10 7	4 6	1 14	0 42	11 59	1 33	18 5	3 56	19 19	1 4	22 29	0 55	18 10	0 13	19 12	1 41	21 16	14 47	13 56	14 29	26 59	17 18	5 51
T 25	4 31	15 20	4 40	0 39	0 22	11 48	1 26	17 57	3 51	19 19	1 4	22 29	0 55	18 11	0 13	19 12	1 41	21 16	14 47	13 59	14 30	27 0	17 19	5 51
F 26	4 54	19 50	5 0	0 8	0 3	11 35	1 19	17 48	3 47	19 18	1 4	22 29	0 55	18 11	0 13	19 12	1 41	21 17	14 46	14 2	14 31	27 0	17 19	5 51
S 27	5 18	23 28	5 6	0n18	0n16	11 23	1 12	17 39	3 43	19 17	1 4	22 29	0 55	18 12	0 13	19 11	1 41	21 17	14 46	14 5	14 32	27 1	17 20	5 50
S 28	5 41	26 3	4 59	0 38	0 33	11 9	1 5	17 30	3 38	19 16	1 4	22 29	0 55	18 13	0 13	19 11	1 41	21 17	14 46	14 8	14 33	27 1	17 21	5 50
M29	6 4	27 27	4 39	0 53	0 49	10 56	0 58	17 21	3 34	19 15	1 5	22 29	0 55	18 14	0 13	19 11	1 41	21 17	14 46	14 10	14 34	27 2	17 21	5 49
T 30	6s27	27n36	4n 7	1n 2	1n 3	10n41	0s52	17s11	3s30	19n15	1s 5	22n29	0s55	18s15	0n13	19n11	1s41	21s18	14s46	14s11	14s35	27n 3	17s22	5n49

Julian Day Number = 2291456.5, Delta T = 155.18 sec
Ecliptic obliquity = 23°29'54, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°37'25, Lahiri = 17°44'26 Julian Calendar 1 Sept. 1561 == Greg. Calendar 11 Sept. 1561

ASTRODIENST EPHEMERIS for the year 1561
geocentric

OCTOBER 1561 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 16 56	17♎20'29	10♋27	0♎11	0♍58	23♒17	0°R23	5♋ 9	22♏37	3°R 5	10°R22	22°R 3	20♒47	12♊ 9	20♐44	W 1
T 2	1 20 52	18°20'05	22°29	0°42	1°57	23°35	0♊19	5° 9	22°40	3♊ 4	10♓21	22°D 3	20°44	12°16	20°48	T 2
F 3	1 24 49	19°19'43	4♌43	1°22	2°57	23°53	0°14	5°10	22°43	3° 3	10°20	22♒ 4	20°41	12°23	20°52	F 3
S 4	1 28 46	20°19'23	17°16	2°11	3°57	24°12	0°10	5°11	22°46	3° 2	10°19	22°R 4	20°38	12°30	20°57	S 4
S 5	1 32 42	21°19'05	0♍11	3° 7	4°57	24°31	0° 5	5°11	22°50	3° 0	10°18	22° 4	20°35	12°36	21° 1	S 5
M 6	1 36 39	22°18'50	13°32	4°10	5°58	24°51	0° 0	5°11	22°53	2°59	10°17	22° 2	20°31	12°43	21° 5	M 6
T 7	1 40 35	23°18'37	27°20	5°19	7° 0	25°11	29♉55	5°11	22°56	2°58	10°16	21°57	20°28	12°50	21°10	T 7
W 8	1 44 32	24°18'26	11♎35	6°33	8° 1	25°32	29°50	5°R11	23° 0	2°57	10°15	21°50	20°25	12°56	21°14	W 8
T 9	1 48 28	25°18'17	26°11	7°52	9° 3	25°54	29°44	5°11	23° 3	2°56	10°15	21°41	20°22	13° 3	21°19	T 9
F 10	1 52 25	26°18'10	11♏ 2	9°14	10° 6	26°16	29°39	5°11	23° 6	2°54	10°14	21°31	20°19	13°10	21°23	F 10
S 11	1 56 21	27°18'05	25°58	10°40	11° 8	26°38	29°33	5°11	23°10	2°53	10°13	21°21	20°15	13°17	21°28	S 11
S 12	2 0 18	28°18'02	10♐52	12° 8	12°11	27° 1	29°27	5°10	23°13	2°52	10°12	21°12	20°12	13°23	21°32	S 12
M13	2 4 15	29°18'01	25°34	13°39	13°15	27°24	29°21	5°10	23°17	2°50	10°11	21° 6	20° 9	13°30	21°37	M13
T 14	2 8 11	0♏18'01	9♑59	15°11	14°19	27°48	29°15	5° 9	23°20	2°49	10°11	21° 2	20° 6	13°37	21°42	T 14
W15	2 12 8	1°18'03	24° 4	16°45	15°23	28°12	29° 8	5° 8	23°24	2°48	10°10	21° 0	20° 3	13°43	21°47	W15
T 16	2 16 4	2°18'07	7♒50	18°20	16°27	28°37	29° 2	5° 8	23°27	2°46	10° 9	21°D 0	20° 0	13°50	21°52	T 16
F 17	2 20 1	3°18'12	21°16	19°56	17°32	29° 2	28°55	5° 7	23°31	2°45	10° 9	21°R 1	19°56	13°57	21°57	F 17
S 18	2 23 57	4°18'18	4♓25	21°33	18°37	29°27	28°49	5° 6	23°34	2°43	10° 8	21° 0	19°53	14° 4	22° 2	S 18
S 19	2 27 54	5°18'26	17°20	23°10	19°42	29°53	28°42	5° 4	23°38	2°42	10° 7	20°57	19°50	14°10	22° 7	S 19
M20	2 31 50	6°18'36	0♈ 3	24°48	20°47	0♓19	28°35	5° 3	23°41	2°40	10° 7	20°52	19°47	14°17	22°12	M20
T 21	2 35 47	7°18'48	12°36	26°25	21°53	0°45	28°28	5° 2	23°45	2°39	10° 6	20°43	19°44	14°24	22°17	T 21
W22	2 39 44	8°19'01	24°59	28° 3	22°59	1°12	28°20	5° 0	23°49	2°37	10° 6	20°32	19°41	14°30	22°22	W22
T 23	2 43 40	9°19'15	7♉13	29°41	24° 6	1°40	28°13	4°59	23°52	2°36	10° 5	20°19	19°37	14°37	22°28	T 23
F 24	2 47 37	10°19'32	19°20	1♏19	25°12	2° 7	28° 6	4°57	23°56	2°34	10° 5	20° 4	19°34	14°44	22°33	F 24
S 25	2 51 33	11°19'51	1♊20	2°56	26°19	2°35	27°58	4°55	23°59	2°33	10° 4	19°50	19°31	14°51	22°38	S 25
S 26	2 55 30	12°20'11	13°14	4°34	27°26	3° 3	27°51	4°53	24° 3	2°31	10° 4	19°37	19°28	14°57	22°44	S 26
M27	2 59 26	13°20'33	25° 4	6°11	28°33	3°32	27°43	4°51	24° 7	2°30	10° 3	19°27	19°25	15° 4	22°49	M27
T 28	3 3 23	14°20'57	6♋53	7°49	29°41	4° 0	27°35	4°49	24°10	2°28	10° 3	19°19	19°21	15°11	22°55	T 28
W29	3 7 19	15°21'23	18°45	9°26	0♎49	4°29	27°27	4°47	24°14	2°27	10° 2	19°14	19°18	15°17	23° 0	W29
T 30	3 11 16	16°21'51	0♌44	11° 2	1°57	4°59	27°20	4°44	24°18	2°25	10° 2	19°12	19°15	15°24	23° 6	T 30
F 31	3 15 13	17♏22'20	12♌54	12♏39	3♎ 5	5♓28	27♉12	4♋42	24♏21	2♊23	10♓ 2	19♒11	19♒12	15♊31	23♐12	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6s50	26n28	3n24	1n 5	1n16	10n27	0s45	17s 2	3s26	19n14	1s 5	22n29	0s55	18s15	0n13	19n10	1s41	21s18	14s46	14s12	14s36	27n 3	17s23	5n49
T 2	7 12	24 7	2 32	1 3	1 27	10 12	0 39	16 52	3 22	19 13	1 5	22 29	0 55	18 16	0 13	19 10	1 41	21 18	14 45	14 12	14 37	27 4	17 23	5 48
F 3	7 35	20 37	1 32	0 56	1 36	9 56	0 33	16 42	3 18	19 12	1 5	22 29	0 55	18 17	0 13	19 10	1 41	21 18	14 45	14 11	14 38	27 4	17 24	5 48
S 4	7 58	16 7	0 26	0 44	1 44	9 40	0 27	16 32	3 14	19 11	1 5	22 29	0 55	18 18	0 13	19 10	1 41	21 18	14 45	14 11	14 39	27 5	17 24	5 48
S 5	8 20	10 46	0s43	0 27	1 51	9 24	0 21	16 22	3 10	19 10	1 5	22 29	0 55	18 19	0 13	19 9	1 41	21 19	14 45	14 11	14 40	27 6	17 25	5 47
M 6	8 42	4 46	1 52	0 7	1 56	9 7	0 15	16 11	3 6	19 9	1 5	22 29	0 55	18 20	0 13	19 9	1 41	21 19	14 45	14 12	14 41	27 6	17 26	5 47
T 7	9 5	1s38	2 56	0s17	2 0	8 50	0 9	16 1	3 2	19 8	1 5	22 29	0 55	18 20	0 13	19 9	1 41	21 19	14 44	14 13	14 42	27 7	17 26	5 47
W 8	9 27	8 8	3 52	0 43	2 3	8 32	0 3	15 50	2 58	19 6	1 5	22 28	0 55	18 21	0 13	19 9	1 41	21 19	14 44	14 16	14 43	27 7	17 27	5 46
T 9	9 49	14 22	4 33	1 13	2 5	8 14	0n 2	15 39	2 54	19 5	1 5	22 28	0 55	18 22	0 13	19 8	1 41	21 19	14 44	14 19	14 44	27 8	17 27	5 46
F 10	10 11	19 53	4 58	1 45	2 5	7 55	0 8	15 28	2 51	19 4	1 5	22 28	0 55	18 23	0 13	19 8	1 41	21 19	14 44	14 22	14 45	27 8	17 28	5 46
S 11	10 32	24 10	5 2	2 19	2 5	7 37	0 13	15 17	2 47	19 3	1 5	22 29	0 55	18 24	0 13	19 8	1 41	21 19	14 43	14 25	14 46	27 9	17 29	5 45
S 12	10 54	26 50	4 45	2 54	2 4	7 17	0 19	15 5	2 43	19 1	1 5	22 29	0 55	18 25	0 13	19 7	1 41	21 19	14 43	14 28	14 47	27 9	17 29	5 45
M13	11 15	27 35	4 10	3 31	2 2	6 58	0 24	14 54	2 40	19 0	1 5	22 29	0 55	18 26	0 13	19 7	1 41	21 19	14 43	14 30	14 48	27 10	17 30	5 45
T 14	11 36	26 26	3 19	4 9	2 0	6 38	0 29	14 42	2 36	18 59	1 5	22 29	0 55	18 27	0 13	19 7	1 41	21 20	14 43	14 31	14 49	27 10	17 30	5 45
W15	11 57	23 37	2 18	4 48	1 57	6 18	0 34	14 31	2 32	18 57	1 5	22 29	0 55	18 27	0 13	19 7	1 41	21 20	14 42	14 32	14 50	27 11	17 31	5 44
T 16	12 18	19 28	1 9	5 28	1 53	5 57	0 38	14 19	2 29	18 56	1 5	22 29	0 55	18 28	0 13	19 6	1 41	21 20	14 42	14 32	14 51	27 11	17 31	5 44
F 17	12 39	14 26	0n 1	6 8	1 49	5 36	0 43	14 7	2 26	18 55	1 5	22 29	0 55	18 29	0 13	19 6	1 42	21 20	14 42	14 32	14 52	27 12	17 32	5 44
S 18	12 59	8 49	1 10	6 48	1 45	5 15	0 48	13 55	2 22	18 53	1 5	22 29	0 55	18 30	0 13	19 6	1 42	21 20	14 42	14 32	14 53	27 12	17 33	5 43
S 19	13 19	2 57	2 15	7 29	1 40	4 53	0 52	13 42	2 19	18 52	1 5	22 29	0 55	18 31	0 13	19 5	1 42	21 20	14 41	14 33	14 54	27 13	17 33	5 43
M20	13 39	2n56	3 11	8 9	1 35	4 31	0 56	13 30	2 15	18 50	1 5	22 29	0 55	18 32	0 13	19 5	1 42	21 20	14 41	14 35	14 55	27 13	17 34	5 43
T 21	13 59	8 37	3 57	8 50	1 29	4 9	1 0	13 17	2 12	18 49	1 5	22 29	0 55	18 33	0 13	19 5	1 42	21 20	14 41	14 37	14 56	27 14	17 34	5 43
W22	14 19	13 53	4 31	9 31	1 23	3 47	1 5	13 5	2 9	18 47	1 5	22 29	0 55	18 34	0 13	19 5	1 42	21 20	14 41	14 41	14 57	27 14	17 35	5 42
T 23	14 38	18 33	4 52	10 11	1 17	3 24	1 8	12 52	2 6	18 45	1 5	22 29	0 55	18 35	0 13	19 4	1 42	21 20	14 40	14 45	14 58	27 15	17 35	5 42
F 24	14 57	22 24	5 0	10 51	1 11	3 1	1 12	12 39	2 3	18 44	1 5	22 29	0 55	18 36	0 13	19 4	1 42	21 20	14 40	14 50	14 59	27 15	17 36	5 42
S 25	15 16	25 16	4 54	11 30	1 5	2 38	1 16	12 26	2 0	18 42	1 5	22 29	0 55	18 36	0 13	19 4	1 42	21 19	14 40	14 54	15 0	27 15	17 36	5 42
S 26	15 35	26 59	4 35	12 9	0 59	2 14	1 20	12 13	1 57	18 41	1 5	22 29	0 55	18 37	0 13	19 3	1 42	21 19	14 40	14 58	15 1	27 16	17 37	5 42
M27	15 53	27 29	4 5	12 48	0 52	1 51	1 23	12 0	1 54	18 39	1 5	22 29	0 55	18 38	0 13	19 3	1 42	21 19	14 39	15 2	15 2	27 16	17 37	5 41
T 28	16 11	26 42	3 23	13 26	0 45	1 27	1 26	11 47	1 51	18 37	1 5	22 29	0 55	18 39	0 13	19 3	1 42	21 19	14 39	15 4	15 3	27 17	17 38	5 41
W29	16 29	24 43	2 33	14 3	0 39	1 3	1 30	11 33	1 48	18 36	1 5	22 30	0 55	18 40	0 13	19 2	1 42	21 19	14 39	15 5	15 4	27 17	17 38	5 41
T 30	16 46	21 36	1 36	14 40	0 32	0 39	1 33	11 20	1 45	18 34	1 5	22 30	0 55	18 41	0 13	19 2	1 42	21 19	14 38	15 6	15 5	27 17	17 39	5 41
F 31	17s 4	17n31	0n33	15s16	0n25	0n14	1n36	11s 6	1s42	18n32	1s 4	22n30	0s55	18s42	0n13	19n 2	1s42	21s19	14s38	15s 6	15s 6	27n18	17s39	5n41

Julian Day Number = 2291486.5, Delta T = 155.02 sec
Ecliptic obliquity = 23°29'54, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°37'29, Lahiri = 17°44'30 Julian Calendar 1 Oct. 1561 == Greg. Calendar 11 Oct. 1561

ASTRODIENST EPHEMERIS for the year 1561
geocentric

NOVEMBER 1561 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 19 9	18♏22'52	25♌22	14♏15	4♎13	5♓58	27°R 4	4°R39	24♏25	2°R22	10°R 1	19°R11	19♒ 9	15♊37	23♐17	S 1
S 2	3 23 6	19°23'25	8♍12	15°51	5°22	6°28	26♉56	4♋37	24°29	2♊20	10♓ 1	19♒10	19° 6	15°44	23°23	S 2
M 3	3 27 2	20°24'00	21°28	17°27	6°30	6°59	26°47	4°34	24°33	2°18	10° 1	19° 8	19° 2	15°51	23°29	M 3
T 4	3 30 59	21°24'37	5♎15	19° 3	7°39	7°30	26°39	4°31	24°36	2°17	10° 0	19° 3	18°59	15°58	23°35	T 4
W 5	3 34 55	22°25'15	19°32	20°38	8°48	8° 0	26°31	4°28	24°40	2°15	10° 0	18°55	18°56	16° 4	23°41	W 5
T 6	3 38 52	23°25'56	4♏15	22°13	9°58	8°32	26°23	4°25	24°44	2°13	10° 0	18°45	18°53	16°11	23°46	T 6
F 7	3 42 48	24°26'38	19°20	23°48	11° 7	9° 3	26°15	4°22	24°47	2°12	10° 0	18°33	18°50	16°18	23°52	F 7
S 8	3 46 45	25°27'21	4♐35	25°23	12°17	9°35	26° 7	4°19	24°51	2°10	10° 0	18°21	18°46	16°24	23°58	S 8
S 9	3 50 42	26°28'06	19°50	26°57	13°27	10° 7	25°58	4°15	24°55	2° 8	10° 0	18°11	18°43	16°31	24° 4	S 9
M10	3 54 38	27°28'52	4♑53	28°32	14°36	10°39	25°50	4°12	24°59	2° 7	9°59	18° 3	18°40	16°38	24°10	M10
T 11	3 58 35	28°29'39	19°37	0♐ 6	15°47	11°11	25°42	4° 8	25° 2	2° 5	9°59	17°58	18°37	16°45	24°16	T 11
W12	4 2 31	29°30'27	3♒56	1°40	16°57	11°44	25°34	4° 5	25° 6	2° 3	9°59	17°56	18°34	16°51	24°22	W12
T 13	4 6 28	0♐31'16	17°48	3°15	18° 7	12°16	25°26	4° 1	25°10	2° 2	9°59	17°D55	18°31	16°58	24°28	T 13
F 14	4 10 24	1°32'06	1♓16	4°49	19°18	12°49	25°18	3°57	25°13	2° 0	9°D59	17°R55	18°27	17° 5	24°35	F 14
S 15	4 14 21	2°32'56	14°21	6°22	20°28	13°22	25°10	3°54	25°17	1°58	9°59	17°55	18°24	17°11	24°41	S 15
S 16	4 18 17	3°33'48	27° 8	7°56	21°39	13°56	25° 2	3°50	25°21	1°56	9°59	17°52	18°21	17°18	24°47	S 16
M17	4 22 14	4°34'40	9♈39	9°30	22°50	14°29	24°54	3°46	25°24	1°55	9°59	17°47	18°18	17°25	24°53	M17
T 18	4 26 11	5°35'33	21°59	11° 4	24° 1	15° 3	24°46	3°42	25°28	1°53	9°59	17°40	18°15	17°31	24°59	T 18
W19	4 30 7	6°36'28	4♉ 9	12°38	25°12	15°36	24°38	3°38	25°32	1°51	10° 0	17°29	18°12	17°38	25° 6	W19
T 20	4 34 4	7°37'23	16°12	14°12	26°23	16°10	24°30	3°34	25°35	1°50	10° 0	17°16	18° 8	17°45	25°12	T 20
F 21	4 38 0	8°38'19	28°11	15°45	27°34	16°45	24°22	3°29	25°39	1°48	10° 0	17° 3	18° 5	17°52	25°18	F 21
S 22	4 41 57	9°39'16	10♊ 5	17°19	28°46	17°19	24°15	3°25	25°43	1°46	10° 0	16°49	18° 2	17°58	25°24	S 22
S 23	4 45 53	10°40'14	21°57	18°53	29°57	17°53	24° 7	3°21	25°46	1°45	10° 0	16°37	17°59	18° 5	25°31	S 23
M24	4 49 50	11°41'13	3♋47	20°27	1♏ 9	18°28	24° 0	3°16	25°50	1°43	10° 0	16°27	17°56	18°12	25°37	M24
T 25	4 53 46	12°42'13	15°38	22° 0	2°21	19° 2	23°52	3°12	25°53	1°41	10° 1	16°20	17°52	18°18	25°43	T 25
W26	4 57 43	13°43'14	27°33	23°34	3°33	19°37	23°45	3° 7	25°57	1°40	10° 1	16°15	17°49	18°25	25°50	W26
T 27	5 1 40	14°44'16	9♌33	25° 8	4°45	20°12	23°38	3° 3	26° 1	1°38	10° 1	16°13	17°46	18°32	25°56	T 27
F 28	5 5 36	15°45'19	21°44	26°42	5°57	20°47	23°31	2°58	26° 4	1°36	10° 2	16°D13	17°43	18°39	26° 2	F 28
S 29	5 9 33	16°46'22	4♍10	28°16	7° 9	21°23	23°24	2°54	26° 8	1°35	10° 2	16°14	17°40	18°45	26° 9	S 29
S 30	5 13 29	17♐47'27	16♍55	29♐49	8♏21	21♓58	23♉17	2♋49	26♏11	1♊33	10♓ 2	16°R15	17♒37	18♊52	26♐15	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s21	12n35	0s33	15s52	0n19	0s10	1n38	10s53	1s39	18n30	1s 4	22n30	0s55	18s43	0n13	19n 1	1s42	21s19	14s38	15s 6	15s 7	27n18	17s40	5n40
S 2	17 37	6 59	1 39	16 26	0 12	0 35	1 41	10 39	1 36	18 29	1 4	22 30	0 55	18 44	0 13	19 1	1 42	21 19	14 38	15 7	15 8	27 18	17 40	5 40
M 3	17 54	0 55	2 42	17 0	0 5	1 0	1 44	10 25	1 34	18 27	1 4	22 30	0 55	18 45	0 13	19 1	1 42	21 18	14 37	15 7	15 9	27 19	17 41	5 40
T 4	18 10	5s25	3 38	17 33	0s 2	1 25	1 46	10 11	1 31	18 25	1 4	22 30	0 55	18 46	0 13	19 0	1 42	21 18	14 37	15 9	15 10	27 19	17 41	5 40
W 5	18 25	11 42	4 22	18 5	0 8	1 50	1 49	9 57	1 28	18 23	1 4	22 30	0 55	18 47	0 13	19 0	1 42	21 18	14 37	15 11	15 11	27 19	17 41	5 40
T 6	18 41	17 31	4 51	18 37	0 15	2 15	1 51	9 43	1 26	18 21	1 4	22 30	0 55	18 47	0 13	19 0	1 42	21 18	14 36	15 15	15 12	27 20	17 42	5 40
F 7	18 56	22 25	5 0	19 7	0 22	2 41	1 53	9 29	1 23	18 20	1 4	22 31	0 55	18 48	0 13	18 59	1 42	21 18	14 36	15 18	15 13	27 20	17 42	5 39
S 8	19 10	25 50	4 48	19 37	0 28	3 6	1 55	9 14	1 21	18 18	1 4	22 31	0 55	18 49	0 13	18 59	1 42	21 17	14 36	15 22	15 14	27 20	17 43	5 39
S 9	19 25	27 22	4 16	20 5	0 35	3 31	1 57	9 0	1 18	18 16	1 4	22 31	0 55	18 50	0 13	18 59	1 42	21 17	14 35	15 25	15 15	27 21	17 43	5 39
M10	19 39	26 51	3 26	20 33	0 41	3 57	1 59	8 46	1 16	18 14	1 3	22 31	0 55	18 51	0 13	18 58	1 42	21 17	14 35	15 27	15 16	27 21	17 43	5 39
T 11	19 52	24 26	2 24	20 59	0 47	4 22	2 0	8 31	1 13	18 12	1 3	22 31	0 55	18 52	0 13	18 58	1 42	21 17	14 35	15 29	15 17	27 21	17 44	5 39
W12	20 6	20 30	1 13	21 25	0 53	4 48	2 2	8 16	1 11	18 11	1 3	22 31	0 55	18 53	0 13	18 58	1 42	21 16	14 34	15 30	15 18	27 21	17 44	5 39
T 13	20 19	15 33	0 1	21 49	0 59	5 13	2 3	8 2	1 8	18 9	1 3	22 31	0 55	18 54	0 13	18 57	1 42	21 16	14 34	15 30	15 19	27 22	17 45	5 39
F 14	20 31	9 57	1n10	22 13	1 5	5 39	2 5	7 47	1 6	18 7	1 3	22 32	0 55	18 55	0 13	18 57	1 42	21 16	14 34	15 30	15 20	27 22	17 45	5 39
S 15	20 43	4 6	2 15	22 35	1 11	6 4	2 6	7 32	1 4	18 5	1 3	22 32	0 55	18 56	0 13	18 57	1 42	21 16	14 33	15 30	15 21	27 22	17 45	5 39
S 16	20 55	1n47	3 12	22 56	1 16	6 30	2 7	7 17	1 2	18 3	1 3	22 32	0 55	18 56	0 13	18 56	1 42	21 15	14 33	15 31	15 22	27 22	17 46	5 38
M17	21 6	7 28	3 58	23 17	1 22	6 55	2 8	7 2	0 59	18 2	1 2	22 32	0 55	18 57	0 13	18 56	1 42	21 15	14 33	15 32	15 23	27 23	17 46	5 38
T 18	21 17	12 47	4 32	23 35	1 27	7 20	2 9	6 47	0 57	18 0	1 2	22 32	0 55	18 58	0 13	18 56	1 42	21 15	14 33	15 35	15 24	27 23	17 46	5 38
W19	21 28	17 32	4 53	23 53	1 32	7 46	2 10	6 32	0 55	17 58	1 2	22 32	0 54	18 59	0 13	18 55	1 42	21 14	14 32	15 38	15 25	27 23	17 46	5 38
T 20	21 38	21 32	5 1	24 10	1 37	8 11	2 10	6 17	0 53	17 57	1 2	22 33	0 54	19 0	0 13	18 55	1 42	21 14	14 32	15 42	15 26	27 23	17 47	5 38
F 21	21 48	24 36	4 56	24 25	1 41	8 36	2 11	6 1	0 51	17 55	1 2	22 33	0 54	19 1	0 13	18 55	1 42	21 14	14 32	15 46	15 27	27 24	17 47	5 38
S 22	21 57	26 35	4 37	24 39	1 46	9 1	2 11	5 46	0 49	17 53	1 2	22 33	0 54	19 2	0 13	18 54	1 42	21 13	14 31	15 50	15 28	27 24	17 47	5 38
S 23	22 6	27 21	4 7	24 51	1 50	9 26	2 11	5 31	0 47	17 51	1 1	22 33	0 54	19 3	0 13	18 54	1 42	21 13	14 31	15 54	15 29	27 24	17 47	5 38
M24	22 15	26 52	3 26	25 2	1 54	9 51	2 12	5 15	0 45	17 50	1 1	22 33	0 54	19 3	0 13	18 54	1 42	21 12	14 31	15 57	15 30	27 24	17 48	5 38
T 25	22 23	25 9	2 35	25 12	1 57	10 15	2 12	5 0	0 43	17 48	1 1	22 33	0 54	19 4	0 13	18 53	1 42	21 12	14 30	15 59	15 31	27 24	17 48	5 38
W26	22 30	22 18	1 38	25 21	2 0	10 40	2 12	4 45	0 41	17 47	1 1	22 34	0 54	19 5	0 13	18 53	1 42	21 12	14 30	16 0	15 32	27 24	17 48	5 38
T 27	22 37	18 28	0 36	25 28	2 3	11 4	2 12	4 29	0 39	17 45	1 1	22 34	0 54	19 6	0 13	18 53	1 42	21 11	14 30	16 1	15 33	27 25	17 48	5 38
F 28	22 44	13 50	0s29	25 33	2 6	11 28	2 12	4 13	0 37	17 43	1 0	22 34	0 54	19 7	0 13	18 52	1 42	21 11	14 29	16 1	15 34	27 25	17 48	5 38
S 29	22 50	8 32	1 35	25 38	2 8	11 52	2 11	3 58	0 35	17 42	1 0	22 34	0 54	19 8	0 13	18 52	1 42	21 10	14 29	16 1	15 35	27 25	17 49	5 38
S 30	22s56	2n46	2s37	25s40	2s10	12s15	2n11	3s42	0s33	17n40	1s 0	22n34	0s54	19s 9	0n13	18n52	1s42	21s10	14s29	16s 0	15s36	27n25	17s49	5n38

Julian Day Number = 2291517.5, Delta T = 154.84 sec
Ecliptic obliquity = 23°29'53, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°37'34, Lahiri = 17°44'34 Julian Calendar 1 Nov. 1561 == Greg. Calendar 11 Nov. 1561

ASTRODIENST EPHEMERIS for the year 1561
geocentric

DECEMBER 1561 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 17 26	18♐48'33	0♎ 4	1♑23	9♏33	22♓33	23°R11	2°R44	26♏15	1°R31	10♓ 3	16°R14	17♒33	18♊59	26♐22	M 1
T 2	5 21 22	19°49'39	13°41	2°56	10°46	23° 9	23♉ 4	2♋40	26°18	1♊30	10° 3	16♒11	17°30	19° 5	26°28	T 2
W 3	5 25 19	20°50'47	27°47	4°29	11°58	23°44	22°58	2°35	26°22	1°28	10° 4	16° 7	17°27	19°12	26°35	W 3
T 4	5 29 15	21°51'55	12♏21	6° 2	13°11	24°20	22°51	2°30	26°25	1°27	10° 4	16° 0	17°24	19°19	26°41	T 4
F 5	5 33 12	22°53'04	27°20	7°34	14°23	24°56	22°45	2°25	26°29	1°25	10° 5	15°51	17°21	19°25	26°47	F 5
S 6	5 37 9	23°54'14	12♐34	9° 6	15°36	25°32	22°39	2°20	26°32	1°24	10° 5	15°43	17°18	19°32	26°54	S 6
S 7	5 41 5	24°55'24	27°54	10°37	16°49	26° 8	22°33	2°15	26°35	1°22	10° 6	15°35	17°14	19°39	27° 0	S 7
M 8	5 45 2	25°56'35	13♑ 8	12° 8	18° 2	26°45	22°28	2°10	26°39	1°21	10° 6	15°29	17°11	19°46	27° 7	M 8
T 9	5 48 58	26°57'46	28° 5	13°37	19°14	27°21	22°22	2° 5	26°42	1°19	10° 7	15°26	17° 8	19°52	27°13	T 9
W10	5 52 55	27°58'57	12♒39	15° 6	20°27	27°57	22°17	2° 1	26°45	1°18	10° 8	15°D24	17° 5	19°59	27°20	W10
T 11	5 56 51	29° 0'08	26°46	16°33	21°40	28°34	22°12	1°56	26°49	1°16	10° 8	15°25	17° 2	20° 6	27°26	T 11
F 12	6 0 48	0♑ 1'19	10♓24	17°58	22°53	29°10	22° 7	1°51	26°52	1°15	10° 9	15°26	16°59	20°12	27°32	F 12
S 13	6 4 45	1° 2'30	23°36	19°21	24° 7	29°47	22° 2	1°46	26°55	1°13	10°10	15°27	16°55	20°19	27°39	S 13
S 14	6 8 41	2° 3'40	6♈25	20°42	25°20	0♈24	21°57	1°41	26°58	1°12	10°10	15°R27	16°52	20°26	27°45	S 14
M15	6 12 38	3° 4'51	18°54	21°59	26°33	1° 1	21°53	1°36	27° 2	1°10	10°11	15°26	16°49	20°32	27°52	M15
T 16	6 16 34	4° 6'01	1♉ 9	23°14	27°46	1°37	21°49	1°31	27° 5	1° 9	10°12	15°22	16°46	20°39	27°58	T 16
W17	6 20 31	5° 7'11	13°13	24°24	28°59	2°14	21°44	1°26	27° 8	1° 8	10°13	15°17	16°43	20°46	28° 5	W17
T 18	6 24 27	6° 8'21	25°10	25°30	0♐13	2°51	21°41	1°21	27°11	1° 6	10°13	15°10	16°39	20°53	28°11	T 18
F 19	6 28 24	7° 9'31	7♊ 3	26°30	1°26	3°29	21°37	1°16	27°14	1° 5	10°14	15° 3	16°36	20°59	28°17	F 19
S 20	6 32 20	8°10'41	18°54	27°25	2°40	4° 6	21°33	1°11	27°17	1° 4	10°15	14°55	16°33	21° 6	28°24	S 20
S 21	6 36 17	9°11'50	0♋45	28°12	3°53	4°43	21°30	1° 6	27°20	1° 2	10°16	14°49	16°30	21°13	28°30	S 21
M22	6 40 14	10°12'59	12°38	28°51	5° 7	5°20	21°27	1° 1	27°23	1° 1	10°17	14°43	16°27	21°19	28°36	M22
T 23	6 44 10	11°14'09	24°35	29°21	6°20	5°58	21°24	0°56	27°26	1° 0	10°18	14°40	16°24	21°26	28°43	T 23
W24	6 48 7	12°15'18	6♌38	29°42	7°34	6°35	21°21	0°52	27°29	0°59	10°19	14°38	16°20	21°33	28°49	W24
T 25	6 52 3	13°16'26	18°48	29°R52	8°47	7°13	21°19	0°47	27°32	0°58	10°20	14°D37	16°17	21°39	28°55	T 25
F 26	6 56 0	14°17'35	1♍ 8	29°51	10° 1	7°50	21°16	0°42	27°35	0°57	10°21	14°38	16°14	21°46	29° 2	F 26
S 27	6 59 56	15°18'43	13°41	29°39	11°15	8°28	21°14	0°37	27°38	0°55	10°22	14°40	16°11	21°53	29° 8	S 27
S 28	7 3 53	16°19'51	26°29	29°14	12°29	9° 5	21°12	0°33	27°40	0°54	10°23	14°42	16° 8	22° 0	29°14	S 28
M29	7 7 49	17°20'59	9♎37	28°38	13°42	9°43	21°11	0°28	27°43	0°53	10°24	14°43	16° 4	22° 6	29°20	M29
T 30	7 11 46	18°22'07	23° 7	27°51	14°56	10°21	21° 9	0°23	27°46	0°52	10°25	14°R43	16° 1	22°13	29°26	T 30
W31	7 15 43	19♑23'15	7♏ 0	26♑54	16♐10	10♈58	21♉ 8	0♋19	27♏48	0♊51	10♓26	14♒42	15♒58	22♊20	29♐33	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23s 2	3s17	3s33	25s41	2s12	12s39	2n10	3s26	0s31	17n39	1s 0	22n34	0s54	19s 9	0n13	18n52	1s42	21s10	14s28	16s 1	15s37	27n25	17s49	5n38
T 2	23 6	9 23	4 18	25 41	2 13	13 2	2 10	3 11	0 30	17 38	0 59	22 35	0 54	19 10	0 13	18 51	1 42	21 9	14 28	16 1	15 38	27 25	17 49	5 38
W 3	23 11	15 13	4 51	25 39	2 14	13 25	2 9	2 55	0 28	17 36	0 59	22 35	0 54	19 11	0 13	18 51	1 42	21 9	14 28	16 3	15 38	27 25	17 49	5 38
T 4	23 15	20 25	5 5	25 36	2 14	13 48	2 8	2 39	0 26	17 35	0 59	22 35	0 53	19 12	0 13	18 51	1 41	21 8	14 28	16 5	15 39	27 25	17 49	5 38
F 5	23 18	24 28	5 0	25 30	2 14	14 10	2 7	2 23	0 24	17 33	0 59	22 35	0 53	19 13	0 13	18 50	1 41	21 8	14 27	16 7	15 40	27 25	17 49	5 38
S 6	23 21	26 52	4 33	25 24	2 13	14 32	2 7	2 7	0 23	17 32	0 59	22 35	0 53	19 13	0 13	18 50	1 41	21 7	14 27	16 10	15 41	27 26	17 49	5 38
S 7	23 24	27 16	3 47	25 16	2 12	14 54	2 5	1 52	0 21	17 31	0 58	22 36	0 53	19 14	0 13	18 50	1 41	21 7	14 27	16 12	15 42	27 26	17 50	5 38
M 8	23 26	25 35	2 45	25 6	2 10	15 15	2 4	1 36	0 19	17 30	0 58	22 36	0 53	19 15	0 13	18 50	1 41	21 6	14 26	16 14	15 43	27 26	17 50	5 38
T 9	23 28	22 6	1 32	24 55	2 7	15 36	2 3	1 20	0 18	17 29	0 58	22 36	0 53	19 16	0 13	18 49	1 41	21 6	14 26	16 15	15 44	27 26	17 50	5 39
W10	23 29	17 17	0 15	24 42	2 4	15 57	2 2	1 4	0 16	17 27	0 58	22 36	0 53	19 17	0 13	18 49	1 41	21 5	14 26	16 15	15 45	27 26	17 50	5 39
T 11	23 30	11 40	1n 1	24 28	2 0	16 17	2 1	0 48	0 15	17 26	0 57	22 36	0 53	19 17	0 13	18 49	1 41	21 5	14 25	16 15	15 46	27 26	17 50	5 39
F 12	23 30	5 40	2 11	24 12	1 56	16 37	1 59	0 32	0 13	17 25	0 57	22 36	0 53	19 18	0 13	18 48	1 41	21 4	14 25	16 15	15 47	27 26	17 50	5 39
S 13	23 30	0n23	3 12	23 55	1 50	16 57	1 58	0 16	0 12	17 24	0 57	22 37	0 53	19 19	0 13	18 48	1 41	21 4	14 25	16 15	15 48	27 26	17 50	5 39
S 14	23 29	6 14	4 1	23 37	1 44	17 16	1 56	0n 0	0 10	17 23	0 57	22 37	0 53	19 20	0 13	18 48	1 41	21 3	14 25	16 14	15 49	27 26	17 50	5 39
M15	23 28	11 41	4 37	23 17	1 37	17 35	1 54	0 16	0 9	17 22	0 56	22 37	0 52	19 20	0 13	18 48	1 41	21 2	14 24	16 15	15 50	27 26	17 50	5 39
T 16	23 26	16 35	5 0	22 57	1 29	17 53	1 53	0 32	0 7	17 22	0 56	22 37	0 52	19 21	0 13	18 47	1 41	21 2	14 24	16 16	15 51	27 26	17 50	5 39
W17	23 24	20 45	5 9	22 36	1 19	18 11	1 51	0 48	0 6	17 21	0 56	22 37	0 52	19 22	0 13	18 47	1 41	21 1	14 24	16 17	15 52	27 26	17 50	5 39
T 18	23 21	24 2	5 5	22 14	1 9	18 28	1 49	1 4	0 4	17 20	0 56	22 37	0 52	19 22	0 13	18 47	1 41	21 1	14 23	16 19	15 53	27 26	17 50	5 40
F 19	23 18	26 15	4 47	21 51	0 58	18 45	1 47	1 21	0 3	17 19	0 55	22 38	0 52	19 23	0 13	18 47	1 41	21 0	14 23	16 22	15 54	27 26	17 49	5 40
S 20	23 15	27 18	4 17	21 28	0 46	19 2	1 45	1 37	0 2	17 19	0 55	22 38	0 52	19 24	0 13	18 47	1 41	21 0	14 23	16 24	15 55	27 26	17 49	5 40
S 21	23 11	27 6	3 36	21 6	0 32	19 18	1 43	1 53	0 0	17 18	0 55	22 38	0 52	19 25	0 13	18 46	1 41	20 59	14 23	16 26	15 56	27 26	17 49	5 40
M22	23 6	25 39	2 46	20 44	0 18	19 33	1 41	2 9	0n 1	17 18	0 55	22 38	0 52	19 25	0 13	18 46	1 41	20 58	14 22	16 27	15 57	27 26	17 49	5 40
T 23	23 1	23 1	1 47	20 22	0 2	19 48	1 39	2 25	0 2	17 17	0 54	22 38	0 51	19 26	0 13	18 46	1 41	20 58	14 22	16 29	15 58	27 26	17 49	5 40
W24	22 56	19 22	0 44	20 1	0n15	20 2	1 36	2 41	0 4	17 17	0 54	22 38	0 51	19 27	0 13	18 46	1 41	20 57	14 22	16 29	15 59	27 26	17 49	5 41
T 25	22 50	14 52	0s23	19 42	0 32	20 16	1 34	2 57	0 5	17 16	0 54	22 39	0 51	19 27	0 13	18 46	1 41	20 57	14 22	16 29	16 0	27 26	17 49	5 41
F 26	22 44	9 42	1 29	19 25	0 50	20 30	1 32	3 13	0 6	17 16	0 53	22 39	0 51	19 28	0 13	18 45	1 41	20 56	14 21	16 29	16 1	27 25	17 49	5 41
S 27	22 37	4 5	2 33	19 9	1 9	20 42	1 29	3 29	0 7	17 16	0 53	22 39	0 51	19 28	0 13	18 45	1 41	20 55	14 21	16 28	16 2	27 25	17 48	5 41
S 28	22 30	1s48	3 30	18 55	1 28	20 54	1 27	3 45	0 9	17 15	0 53	22 39	0 51	19 29	0 13	18 45	1 41	20 55	14 21	16 28	16 2	27 25	17 48	5 42
M29	22 22	7 46	4 17	18 44	1 47	21 6	1 25	4 1	0 10	17 15	0 53	22 39	0 51	19 30	0 13	18 45	1 41	20 54	14 21	16 28	16 3	27 25	17 48	5 42
T 30	22 14	13 31	4 52	18 36	2 5	21 17	1 22	4 16	0 11	17 15	0 52	22 39	0 51	19 30	0 13	18 45	1 40	20 54	14 20	16 27	16 4	27 25	17 48	5 42
W31	22s 6	18s47	5s12	18s29	2n23	21s28	1n20	4n32	0n12	17n15	0s52	22n39	0s50	19s31	0n13	18n44	1s40	20s53	14s20	16s28	16s 5	27n25	17s48	5n42

Julian Day Number = 2291547.5, Delta T = 154.67 sec
Ecliptic obliquity = 23°29'53, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°37'38, Lahiri = 17°44'38 Julian Calendar 1 Dec. 1561 == Greg. Calendar 11 Dec. 1561