



# Astrodienst Ephemeris Tables for the year 1523

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 EPHEMERIS for the year 1523

## geocentric

JANUARY 1523 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	7 17 28	19°35'57	6°59	9°R 0	6°57	18°21	4°41	25°2	25°R26	3°57	13°37	18°R47	20°15	25°27	22°16	T 1
F 2	7 21 24	20°53'02	21°29	8°37	7°58	18°28	4°55	25°9	25°R25	3°58	13°39	18°R38	20°12	25°34	22°20	F 2
S 3	7 25 21	21°54'07	6°48	7°23	8°59	18°34	5°9	25°15	25°23	4°0	13°41	18°30	20°8	25°41	22°24	S 3
S 4	7 29 18	22°55'11	21°56	6°49	10°0	18°39	5°23	25°22	25°22	4°2	13°43	18°25	20°5	25°47	22°28	S 4
M 5	7 33 14	23°56'14	6°43	6°23	11°0	18°43	5°38	25°28	25°21	4°4	13°45	18°22	20°2	25°54	22°32	M 5
T 6	7 37 11	24°57'17	21°4	6°7	11°59	18°47	5°52	25°35	25°20	4°6	13°47	18°D22	19°59	26°1	22°36	T 6
W 7	7 41 7	25°58'20	4°58	6°D 0	12°58	18°50	6°6	25°41	25°20	4°7	13°49	18°22	19°56	26°8	22°39	W 7
T 8	7 45 4	26°59'22	18°25	6°1	13°57	18°52	6°20	25°48	25°19	4°9	13°51	18°24	19°53	26°14	22°43	T 8
F 9	7 49 0	28°0'23	1°27	6°10	14°55	18°54	6°34	25°55	25°18	4°11	13°53	18°R24	19°49	26°21	22°47	F 9
S 10	7 52 57	29°1'24	14°8	6°26	15°52	18°54	6°49	26°1	25°17	4°13	13°55	18°22	19°46	26°28	22°51	S 10
S 11	7 56 53	0°2'24	26°33	6°48	16°49	18°R54	7°3	26°8	25°16	4°15	13°57	18°19	19°43	26°34	22°55	S 11
M12	8 0 50	1°3'24	8°45	7°17	17°45	18°54	7°17	26°15	25°16	4°17	13°59	18°13	19°40	26°41	22°59	M12
T 13	8 4 47	2°4'23	20°48	7°50	18°41	18°52	7°31	26°22	25°15	4°19	14°1	18°6	19°37	26°48	23°3	T 13
W14	8 8 43	3°5'21	2°35	8°29	19°36	18°50	7°46	26°29	25°15	4°21	14°2	17°57	19°34	26°54	23°7	W14
T 15	8 12 40	4°6'18	14°37	9°13	20°31	18°47	8°0	26°36	25°14	4°23	14°4	17°48	19°30	27°1	23°11	T 15
F 16	8 16 36	5°7'15	26°28	10°0	21°25	18°43	8°14	26°43	25°14	4°25	14°6	17°39	19°27	27°8	23°15	F 16
S 17	8 20 33	6°8'10	8°18	10°52	22°18	18°39	8°29	26°50	25°13	4°27	14°8	17°32	19°24	27°14	23°19	S 17
S 18	8 24 29	7°9'04	20°10	11°47	23°11	18°33	8°43	26°57	25°13	4°29	14°10	17°26	19°21	27°21	23°24	S 18
M19	8 28 26	8°9'56	2°4	12°44	24°2	18°27	8°57	27°4	25°13	4°31	14°12	17°23	19°18	27°28	23°28	M19
T 20	8 32 23	9°10'48	14°4	13°45	24°53	18°20	9°12	27°11	25°12	4°33	14°14	17°D22	19°14	27°35	23°32	T 20
W21	8 36 19	10°11'38	26°12	14°48	25°44	18°13	9°26	27°18	25°12	4°36	14°16	17°22	19°11	27°41	23°36	W21
T 22	8 40 16	11°12'26	8°31	15°54	26°33	18°4	9°40	27°25	25°12	4°38	14°18	17°23	19°8	27°48	23°40	T 22
F 23	8 44 12	12°13'14	21°4	17°2	27°21	17°55	9°55	27°32	25°12	4°40	14°20	17°25	19°5	27°55	23°44	F 23
S 24	8 48 9	13°13'59	3°57	18°12	28°9	17°45	10°9	27°39	25°D12	4°42	14°21	17°26	19°2	28°1	23°48	S 24
S 25	8 52 5	14°14'43	17°11	19°24	28°56	17°34	10°23	27°46	25°12	4°44	14°23	17°R27	18°59	28°8	23°53	S 25
M26	8 56 2	15°15'25	0°11	20°37	29°41	17°22	10°38	27°53	25°12	4°46	14°25	17°26	18°55	28°15	23°57	M26
T 27	8 59 58	16°16'06	14°57	21°53	0°Y26	17°10	10°52	28°1	25°12	4°48	14°27	17°23	18°52	28°21	24°1	T 27
W28	9 3 55	17°16'45	29°29	23°9	1°10	16°56	11°6	28°8	25°13	4°51	14°29	17°20	18°49	28°28	24°5	W28
T 29	9 7 52	18°17'22	14°22	24°28	1°52	16°43	11°21	28°15	25°13	4°53	14°30	17°15	18°46	28°35	24°9	T 29
F 30	9 11 48	19°17'58	29°29	25°47	2°34	16°28	11°35	28°22	25°13	4°55	14°32	17°11	18°43	28°42	24°14	F 30
S 31	9 15 45	20°18'32	14°42	27°38	3°Y14	16°13	11°49	28°30	25°R14	4°57	14°34	17°R8	18°R40	28°48	24°18	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22s 2	28n12	4n50	19s46	3n26	9s24	0s27	7n41	3n20	19s43	0s36	14s35	1s27	18n59	0s11	10s53
F 2	21 53	26 0	4 16	19 50	3 26	8 56	0 21	7 40	3 22	19 40	0 36	14 33	1 27	18 59	0 11	10 52
S 3	21 43	21 54	3 23	19 55	3 23	8 28	0 15	7 40	3 24	19 36	0 36	14 31	1 27	18 59	0 11	10 52
S 4	21 33	16 23	2 17	20 1	3 19	7 59	0 9	7 39	3 26	19 33	0 36	14 28	1 27	18 58	0 11	10 51
M 5	21 23	10 2	1 2	20 8	3 13	7 31	0 3	7 39	3 27	19 30	0 36	14 26	1 27	18 58	0 11	10 50
T 6	21 12	3 20	0s15	20 16	3 6	7 2	0n 3	7 39	3 29	19 26	0 36	14 24	1 27	18 58	0 11	10 50
W 7	21 1	3s19	1 28	20 24	2 58	6 34	0 9	7 40	3 31	19 23	0 36	14 22	1 27	18 58	0 11	10 49
T 8	20 49	9 37	2 34	20 33	2 49	6 5	0 16	7 41	3 33	19 19	0 36	14 19	1 27	18 58	0 11	10 48
F 9	20 37	15 18	3 30	20 42	2 39	5 37	0 23	7 42	3 35	19 16	0 36	14 17	1 27	18 57	0 11	10 48
S 10	20 25	20 10	4 15	20 51	2 30	5 8	0 29	7 43	3 36	19 12	0 36	14 15	1 27	18 57	0 11	10 47
S 11	20 12	24 4	4 46	21 1	2 19	4 40	0 36	7 45	3 38	19 9	0 36	14 12	1 27	18 57	0 11	10 46
M12	19 59	26 49	5 3	21 9	2 9	4 11	0 43	7 46	3 40	19 5	0 36	14 10	1 27	18 57	0 11	10 45
T 13	19 45	28 17	5 7	21 18	1 58	3 43	0 51	7 49	3 42	19 1	0 36	14 8	1 27	18 57	0 11	10 45
W14	19 31	28 26	4 57	21 26	1 48	3 14	0 58	7 51	3 43	18 58	0 36	14 5	1 27	18 57	0 11	10 44
T 15	19 17	27 15	4 35	21 34	1 37	2 46	1 6	7 54	3 45	18 54	0 37	14 3	1 27	18 57	0 11	10 43
F 16	19 2	24 51	4 1	21 41	1 26	2 18	1 13	7 57	3 47	18 51	0 37	14 1	1 27	18 57	0 11	10 42
S 17	18 47	21 23	3 16	21 48	1 16	1 49	1 21	8 0	3 48	18 47	0 37	13 58	1 27	18 57	0 11	10 42
S 18	18 32	17 3	2 22	21 54	1 5	1 21	1 29	8 4	3 50	18 43	0 37	13 56	1 27	18 56	0 11	10 41
M19	18 16	12 3	1 22	21 59	0 55	0 53	1 37	8 8	3 52	18 40	0 37	13 54	1 27	18 56	0 11	10 40
T 20	18 0	6 34	0 18	22 3	0 45	0 26	1 45	8 12	3 53	18 36	0 37	13 51	1 27	18 56	0 11	10 39
W21	17 44	0 47	0n48	22 6	0 35	0n 2	1 53	8 16	3 55	18 32	0 37	13 49	1 27	18 56	0 11	10 39
T 22	17 28	5n 7	1 53	22 8	0 25	0 29	2 2	8 21	3 56	18 28	0 37	13 46	1 27	18 56	0 11	10 38
F 23	17 11	10 55	2 54	22 9	0 16	0 56	2 10	8 26	3 58	18 25	0 37	13 44	1 27	18 56	0 11	10 37
S 24	16 53	16 26	3 47	22 9	0 7	1 23	2 19	8 32	3 59	18 21	0 37	13 41	1 27	18 56	0 11	10 36
S 25	16 36	21 20	4 30	22 8	0s 2	1 50	2 28	8 37	4 1	18 17	0 37	13 39	1 28	18 56	0 11	10 35
M26	16 18	25 16	5 0	22 6	0 11	2 16	2 37	8 43	4 2	18 13	0 37	13 36	1 28	18 56	0 11	10 35
T 27	16 0	27 50	5 12	22 3	0 20	2 43	2 46	8 49	4 3	18 9	0 38	13 34	1 28	18 56	0 11	10 34
W28	15 42	28 36	5 6	21 58	0 28	3 8	2 55	8 55	4 5	18 5	0 38	13 31	1 28	18 57	0 11	10 33
T 29	15 23	27 21	4 39	21 53	0 36	3 34	3 4	9 2	4 6	18 2	0 38	13 29	1 28	18 57	0 11	10 32
F 30	15 4	24 5	3 52	21 46	0 44	3 59	3 14	9 9	4 7	17 58	0 38	13 26	1 28	18 57	0 11	10 31
S 31	14s45	19n 9	2n49	21s37	0s51	4n24	3n23	9n16	4n 8	17s54	0s38	13s24	1s28	18n57	0s11	10s31

Julian Day Number = 2277333.5, Delta T = 240.36 sec

Ecliptic obliquity = 23°30'13, Nutation = 0°00'04, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°05'05, Lahiri = 17°12'05 Julian Calendar 1 Jan. 1523 == Greg. Calendar 11 Jan. 1523

ASTRODIENST EPHEMERIS for the year 1523  
geocentric

FEBRUARY 1523 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	9 19 41	21 <sup>28</sup> 19'04	29 <sup>28</sup> 05'50	28 <sup>28</sup> 30'30	3 <sup>3</sup> Y'53	15°R57	12 <sup>22</sup> 3	28 <sup>28</sup> 37	25 <sup>28</sup> 14	4 <sup>4</sup> X'59	14 <sup>28</sup> 36	17°R 6	18 <sup>28</sup> X'36	28 <sup>28</sup> 355	24 <sup>22</sup> 22	S 1
M 2	9 23 38	22°19'35	14 <sup>28</sup> 43	29°54	4°31	15 <sup>28</sup> 40	12°18	28°44	25°14	5° 2	14°37	17°D 5	18°33	29° 2	24°26	M 2
T 3	9 27 34	23°20'04	29°15	1 <sup>28</sup> 19	5° 7	15°23	12°32	28°51	25°15	5° 4	14°39	17 <sup>28</sup> X' 5	18°30	29° 8	24°30	T 3
W 4	9 31 31	24°20'32	13 <sup>28</sup> 20	2°44	5°42	15° 5	12°46	28°59	25°15	5° 6	14°41	17° 6	18°27	29°15	24°35	W 4
T 5	9 35 27	25°20'58	26°59	4°11	6°16	14°46	13° 0	29° 6	25°16	5° 8	14°42	17° 8	18°24	29°22	24°39	T 5
F 6	9 39 24	26°21'23	10 <sup>28</sup> 10	5°39	6°48	14°27	13°15	29°13	25°17	5°11	14°44	17° 9	18°20	29°28	24°43	F 6
S 7	9 43 21	27°21'47	22°58	7° 8	7°18	14° 7	13°29	29°20	25°17	5°13	14°46	17°R10	18°17	29°35	24°47	S 7
S 8	9 47 17	28°22'10	5 <sup>28</sup> 25	8°39	7°47	13°47	13°43	29°28	25°18	5°15	14°47	17°10	18°14	29°42	24°52	S 8
M 9	9 51 14	29°22'31	17°37	10°10	8°14	13°26	13°57	29°35	25°19	5°17	14°49	17° 9	18°11	29°48	24°56	M 9
T 10	9 55 10	0 <sup>28</sup> X'22'50	29°37	11°42	8°40	13° 5	14°11	29°42	25°20	5°20	14°50	17° 7	18° 8	29°55	25° 0	T 10
W11	9 59 7	1°23'08	11 <sup>28</sup> 31	13°15	9° 4	12°43	14°25	29°50	25°21	5°22	14°52	17° 5	18° 5	0 <sup>28</sup> X' 2	25° 4	W11
T 12	10 3 3	2°23'24	23°20	14°50	9°26	12°21	14°39	29°57	25°22	5°24	14°53	17° 2	18° 1	0° 8	25° 8	T 12
F 13	10 7 0	3°23'39	5 <sup>28</sup> 10	16°25	9°46	11°58	14°53	0 <sup>28</sup> X' 4	25°23	5°27	14°55	17° 0	17°58	0°15	25°13	F 13
S 14	10 10 56	4°23'52	17° 2	18° 2	10° 4	11°35	15° 7	0°12	25°24	5°29	14°56	16°58	17°55	0°22	25°17	S 14
S 15	10 14 53	5°24'03	28°58	19°39	10°20	11°12	15°21	0°19	25°25	5°31	14°58	16°57	17°52	0°29	25°21	S 15
M16	10 18 50	6°24'12	11 <sup>28</sup> X' 2	21°18	10°34	10°49	15°35	0°26	25°26	5°33	14°59	16°D56	17°49	0°35	25°25	M16
T 17	10 22 46	7°24'20	23°13	22°57	10°46	10°26	15°49	0°33	25°28	5°36	15° 0	16°56	17°46	0°42	25°29	T 17
W18	10 26 43	8°24'25	5 <sup>28</sup> Y'35	24°38	10°56	10° 2	16° 3	0°41	25°29	5°38	15° 2	16°57	17°42	0°49	25°33	W18
T 19	10 30 39	9°24'29	18° 8	26°20	11° 3	9°38	16°16	0°48	25°30	5°40	15° 3	16°57	17°39	0°55	25°38	T 19
F 20	10 34 36	10°24'30	0 <sup>28</sup> X'55	28° 2	11° 8	9°15	16°30	0°55	25°32	5°43	15° 5	16°58	17°36	1° 2	25°42	F 20
S 21	10 38 32	11°24'29	13°57	29°46	11°11	8°51	16°44	1° 2	25°33	5°45	15° 6	16°59	17°33	1° 9	25°46	S 21
S 22	10 42 29	12°24'26	27°16	1 <sup>28</sup> X'31	11°R11	8°27	16°57	1°10	25°34	5°47	15° 7	16°59	17°30	1°15	25°50	S 22
M23	10 46 25	13°24'21	10 <sup>28</sup> 11.5	3°18	11° 9	8° 4	17°11	1°17	25°36	5°49	15° 8	16°R59	17°26	1°22	25°54	M23
T 24	10 50 22	14°24'14	24°49	5° 5	11° 4	7°40	17°25	1°24	25°38	5°52	15°10	16°59	17°23	1°29	25°58	T 24
W25	10 54 18	15°24'04	9 <sup>28</sup> X' 4	6°54	10°57	7°17	17°38	1°31	25°39	5°54	15°11	16°59	17°20	1°35	26° 2	W25
T 26	10 58 15	16°23'53	23°35	8°43	10°47	6°54	17°52	1°38	25°41	5°56	15°12	16°59	17°17	1°42	26° 6	T 26
F 27	11 2 12	17°23'38	8 <sup>28</sup> 18	10°34	10°35	6°31	18° 5	1°45	25°43	5°58	15°13	16°D59	17°14	1°49	26°10	F 27
S 28	11 6 8	18 <sup>28</sup> X'23'22	23 <sup>28</sup> 0 8	12 <sup>28</sup> X'26	10 <sup>28</sup> Y'20	6 <sup>28</sup> 9	18 <sup>28</sup> 19	1 <sup>28</sup> X'52	25 <sup>28</sup> 44	6 <sup>28</sup> X' 1	15 <sup>28</sup> 14	16 <sup>28</sup> X'59	17 <sup>28</sup> X'11	1 <sup>28</sup> 55	26 <sup>28</sup> 14	S 28

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	14s26	13n 1	1n33	21s28	0s58	4n48	3n33	9n23	4n 9	17s50	0s38	13s21	1s28	18n57	0s11	10s30
M 2	14 6	6 14	0 13	21 17	1 5	5 12	3 43	9 30	4 10	17 46	0 38	13 19	1 28	18 57	0 11	10 29
T 3	13 47	0s43	1s 6	21 5	1 12	5 36	3 52	9 38	4 11	17 42	0 38	13 16	1 28	18 57	0 11	10 28
W 4	13 27	7 25	2 20	20 52	1 18	5 58	4 2	9 46	4 12	17 38	0 38	13 14	1 28	18 57	0 11	10 27
T 5	13 6	13 34	3 22	20 37	1 24	6 21	4 12	9 53	4 12	17 34	0 38	13 11	1 28	18 58	0 11	10 27
F 6	12 46	18 54	4 12	20 21	1 29	6 43	4 22	10 2	4 13	17 30	0 39	13 9	1 28	18 58	0 11	10 26
S 7	12 25	23 12	4 48	20 4	1 35	7 4	4 32	10 10	4 14	17 26	0 39	13 6	1 28	18 58	0 11	10 25
S 8	12 4	26 20	5 9	19 45	1 40	7 25	4 43	10 18	4 14	17 22	0 39	13 4	1 28	18 58	0 11	10 24
M 9	11 43	28 10	5 16	19 25	1 44	7 45	4 53	10 26	4 14	17 18	0 39	13 1	1 28	18 58	0 11	10 23
T 10	11 22	28 38	5 8	19 3	1 48	8 5	5 3	10 35	4 15	17 14	0 39	12 59	1 28	18 59	0 11	10 22
W11	11 1	27 47	4 47	18 41	1 52	8 24	5 13	10 44	4 15	17 10	0 39	12 56	1 28	18 59	0 11	10 22
T 12	10 39	25 40	4 15	18 16	1 56	8 42	5 23	10 52	4 15	17 6	0 39	12 54	1 28	18 59	0 11	10 21
F 13	10 17	22 26	3 31	17 51	1 59	8 59	5 34	11 1	4 15	17 2	0 39	12 51	1 28	18 59	0 11	10 20
S 14	9 55	18 17	2 38	17 24	2 2	9 16	5 44	11 9	4 15	16 58	0 39	12 49	1 28	19 0	0 11	10 19
S 15	9 33	13 24	1 38	16 56	2 4	9 31	5 54	11 18	4 15	16 54	0 40	12 46	1 28	19 0	0 11	10 18
M16	9 11	7 57	0 33	16 26	2 6	9 46	6 4	11 27	4 14	16 50	0 40	12 44	1 29	19 0	0 11	10 17
T 17	8 49	2 10	0n35	15 55	2 8	10 0	6 14	11 35	4 14	16 46	0 40	12 41	1 29	19 1	0 10	10 17
W18	8 26	3n47	1 42	15 22	2 9	10 13	6 24	11 44	4 13	16 42	0 40	12 39	1 29	19 1	0 10	10 16
T 19	8 4	9 40	2 45	14 48	2 10	10 25	6 34	11 52	4 13	16 38	0 40	12 36	1 29	19 1	0 10	10 15
F 20	7 41	15 16	3 41	14 13	2 10	10 36	6 43	12 1	4 12	16 34	0 40	12 34	1 29	19 2	0 10	10 14
S 21	7 18	20 18	4 26	13 36	2 10	10 45	6 53	12 9	4 11	16 30	0 40	12 31	1 29	19 2	0 10	10 13
S 22	6 55	24 27	4 59	12 58	2 9	10 54	7 2	12 17	4 10	16 26	0 40	12 29	1 29	19 2	0 10	10 12
M23	6 32	27 21	5 16	12 19	2 8	11 1	7 11	12 25	4 9	16 22	0 41	12 26	1 29	19 3	0 10	10 12
T 24	6 9	28 38	5 14	11 38	2 7	11 7	7 19	12 33	4 8	16 18	0 41	12 24	1 29	19 3	0 10	10 11
W25	5 46	28 5	4 54	10 56	2 5	11 12	7 28	12 41	4 7	16 14	0 41	12 21	1 29	19 3	0 10	10 10
T 26	5 23	25 38	4 15	10 13	2 2	11 15	7 35	12 48	4 6	16 10	0 41	12 19	1 29	19 4	0 10	10 9
F 27	5 0	21 26	3 19	9 28	1 59	11 17	7 43	12 55	4 4	16 6	0 41	12 16	1 29	19 4	0 10	10 8
S 28	4s36	15n52	2n 9	8s42	1s56	11n17	7n50	13n 2	4n 3	16s 2	0s41	12s14	1s30	19n 5	0s10	10s 8

Julian Day Number = 2277364.5, Delta T = 240.16 sec  
Ecliptic obliquity = 23°30'14, Nutation = 0°00'05, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 18°05'09, Lahiri = 17°12'09 Julian Calendar 1 Feb. 1523 == Greg. Calendar 11 Feb. 1523

# ASTRODIENST EPHEMERIS for the year 1523

## geocentric

MARCH 1523 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	11 10 5	19°23'03	7°57	14°20	10°R 3	5°R47	18°32	2°H 0	25°B46	6°H 3	15°B15	16°H59	17°H 7	2°22	26°18	S 1
M 2	11 14 1	20°22'42	22°38	16°14	9°Y43	5°M25	18°45	2° 7	25°48	6° 5	15°16	16°R59	17° 4	2° 9	26°22	M 2
T 3	11 17 58	21°22'19	7°5	18° 9	9°21	5° 4	18°58	2°14	25°50	6° 7	15°18	16°59	17° 1	2°16	26°26	T 3
W 4	11 21 54	22°21'55	21°11	20° 6	8°57	4°43	19°12	2°21	25°52	6° 9	15°19	16°59	17° 8	2°22	26°30	W 4
T 5	11 25 51	23°21'28	4°M54	22° 4	8°31	4°23	19°25	2°28	25°54	6°12	15°20	16°58	16°55	2°29	26°34	T 5
F 6	11 29 47	24°21'00	18°12	24° 3	8° 2	4° 3	19°38	2°35	25°56	6°14	15°21	16°57	16°52	2°36	26°37	F 6
S 7	11 33 44	25°20'29	1°A 6	26° 2	7°32	3°44	19°51	2°42	25°58	6°16	15°21	16°56	16°48	2°42	26°41	S 7
S 8	11 37 41	26°19'57	13°39	28° 3	7° 0	3°25	20° 4	2°49	26° 0	6°18	15°22	16°56	16°45	2°49	26°45	S 8
M 9	11 41 37	27°19'24	25°55	0°Y 4	6°27	3° 7	20°17	2°55	26° 2	6°20	15°23	16°D55	16°42	2°56	26°49	M 9
T 10	11 45 34	28°18'48	7°B57	2° 6	5°52	2°50	20°29	3° 2	26° 4	6°23	15°24	16°55	16°39	3° 2	26°53	T 10
W11	11 49 30	29°18'11	19°50	4° 8	5°16	2°33	20°42	3° 9	26° 7	6°25	15°25	16°56	16°36	3° 9	26°56	W11
T 12	11 53 27	0°Y17'31	1°A40	6°10	4°39	2°17	20°55	3°16	26° 9	6°27	15°26	16°57	16°32	3°16	27° 0	T 12
F 13	11 57 23	1°16'50	13°30	8°13	4° 2	2° 1	21° 8	3°23	26°11	6°29	15°27	16°59	16°29	3°22	27° 4	F 13
S 14	12 1 20	2°16'07	25°25	10°15	3°24	1°47	21°20	3°29	26°14	6°31	15°27	17° 0	16°26	3°29	27° 7	S 14
S 15	12 5 16	3°15'22	7°H27	12°16	2°46	1°33	21°33	3°36	26°16	6°33	15°28	17° 1	16°23	3°36	27°11	S 15
M16	12 9 13	4°14'35	19°41	14°17	2° 9	1°20	21°45	3°43	26°18	6°35	15°29	17°R 1	16°20	3°42	27°14	M16
T 17	12 13 10	5°13'46	2°Y 7	16°16	1°31	1° 7	21°57	3°49	26°21	6°37	15°29	17° 0	16°17	3°49	27°18	T 17
W18	12 17 6	6°12'55	14°47	18°14	0°55	0°55	22°10	3°56	26°23	6°39	15°30	16°59	16°13	3°56	27°22	W18
T 19	12 21 3	7°12'02	27°41	20° 9	0°19	0°44	22°22	4° 2	26°26	6°41	15°31	16°56	16°10	4° 2	27°25	T 19
F 20	12 24 59	8°11'07	10°B50	22° 2	29°H44	0°34	22°34	4° 9	26°28	6°43	15°31	16°53	16° 7	4° 9	27°28	F 20
S 21	12 28 56	9°10'10	24°12	23°53	29°11	0°25	22°46	4°15	26°31	6°45	15°32	16°50	16° 4	4°16	27°32	S 21
S 22	12 32 52	10° 9'10	7°H47	25°40	28°38	0°16	22°58	4°22	26°34	6°47	15°32	16°47	16° 1	4°22	27°35	S 22
M23	12 36 49	11° 8'08	21°34	27°24	28° 8	0° 9	23°10	4°28	26°36	6°49	15°33	16°45	15°57	4°29	27°39	M23
T 24	12 40 45	12° 7'04	5°B32	29° 4	27°40	0° 2	23°22	4°34	26°39	6°51	15°33	16°44	15°54	4°36	27°42	T 24
W25	12 44 42	13° 5'57	19°38	0°B40	27°13	29°B56	23°33	4°41	26°42	6°53	15°34	16°D43	15°51	4°42	27°45	W25
T 26	12 48 39	14° 4'49	3°B53	2°12	26°48	29°50	23°45	4°47	26°45	6°55	15°34	16°44	15°48	4°49	27°48	T 26
F 27	12 52 35	15° 3'37	18°13	3°39	26°26	29°46	23°56	4°53	26°47	6°57	15°34	16°46	15°45	4°56	27°51	F 27
S 28	12 56 32	16° 2'24	2°M36	5° 1	26° 6	29°42	24° 8	4°59	26°50	6°59	15°35	16°47	15°42	5° 3	27°55	S 28
S 29	13 0 28	17° 1'08	16°57	6°18	25°48	29°39	24°19	5° 5	26°53	7° 1	15°35	16°R48	15°38	5° 9	27°58	S 29
M30	13 4 25	17°59'50	1°A14	7°29	25°33	29°37	24°30	5°11	26°56	7° 3	15°35	16°47	15°35	5°16	28° 1	M30
T 31	13 8 21	18°Y58'29	15°A21	8°B35	25°H20	29°B35	24°42	5°H17	26°B59	7°H 4	15°B36	16°H45	15°H32	5°A23	28°4	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	4s13	9n23	0n50	7s54	1s52	11n16	7n56	13n 9	4n 1	15s58	0s41	12s11	1s30	19n 5	0s10	S 1
M 2	3 49	2 27	0s31	7 6	1 47	11 14	8 2	13 15	3 59	15 54	0 41	12 9	1 30	19 6	0 10	M 2
T 3	3 26	4s29	1 49	6 16	1 42	11 10	8 7	13 22	3 58	15 50	0 42	12 6	1 30	19 6	0 10	T 3
W 4	3 2	11 3	2 59	5 25	1 37	11 4	8 11	13 28	3 56	15 46	0 42	12 4	1 30	19 7	0 10	W 4
T 5	2 39	16 53	3 56	4 33	1 31	10 57	8 15	13 33	3 54	15 42	0 42	12 2	1 30	19 7	0 10	T 5
F 6	2 15	21 45	4 38	3 39	1 24	10 49	8 18	13 39	3 52	15 38	0 42	11 59	1 30	19 8	0 10	F 6
S 7	1 51	25 24	5 5	2 45	1 17	10 39	8 20	13 44	3 50	15 34	0 42	11 57	1 30	19 8	0 10	S 7
S 8	1 28	27 44	5 16	1 50	1 9	10 27	8 22	13 49	3 48	15 30	0 42	11 54	1 30	19 9	0 10	S 8
M 9	1 4	28 39	5 13	0 54	1 1	10 14	8 22	13 54	3 46	15 26	0 43	11 52	1 30	19 9	0 10	M 9
T 10	0 40	28 11	4 56	0n 3	0 52	10 0	8 22	13 58	3 44	15 22	0 43	11 50	1 31	19 10	0 10	T 10
W11	0 17	26 25	4 26	1 0	0 42	9 44	8 20	14 2	3 41	15 18	0 43	11 47	1 31	19 10	0 10	W11
T 12	0n 7	23 30	3 46	1 57	0 33	9 28	8 18	14 6	3 39	15 14	0 43	11 45	1 31	19 11	0 10	T 12
F 13	0 31	19 37	2 55	2 55	0 22	9 10	8 15	14 9	3 37	15 11	0 43	11 42	1 31	19 11	0 10	F 13
S 14	0 54	14 55	1 57	3 53	0 12	8 51	8 11	14 12	3 34	15 7	0 43	11 40	1 31	19 12	0 10	S 14
S 15	1 18	9 37	0 53	4 51	0 1	8 31	8 5	14 15	3 32	15 3	0 43	11 38	1 31	19 12	0 10	S 15
M16	1 41	3 52	0n15	5 48	0n10	8 11	8 0	14 18	3 30	14 59	0 44	11 35	1 31	19 13	0 10	M16
T 17	2 5	2n 6	1 22	6 45	0 22	7 50	7 53	14 20	3 27	14 55	0 44	11 33	1 31	19 14	0 10	T 17
W18	2 28	8 6	2 27	7 41	0 33	7 28	7 45	14 22	3 25	14 51	0 44	11 31	1 32	19 14	0 10	W18
T 19	2 52	13 53	3 26	8 36	0 45	7 6	7 37	14 23	3 22	14 47	0 44	11 29	1 32	19 15	0 10	T 19
F 20	3 15	19 8	4 15	9 29	0 57	6 44	7 27	14 24	3 19	14 44	0 44	11 26	1 32	19 15	0 10	F 20
S 21	3 39	23 33	4 50	10 21	1 8	6 21	7 18	14 25	3 17	14 40	0 44	11 24	1 32	19 16	0 10	S 21
S 22	4 2	26 46	5 10	11 11	1 20	5 59	7 7	14 26	3 14	14 36	0 45	11 22	1 32	19 17	0 10	S 22
M23	4 25	28 27	5 13	11 59	1 31	5 37	6 56	14 26	3 12	14 32	0 45	11 20	1 32	19 17	0 10	M23
T 24	4 48	28 21	4 58	12 46	1 42	5 15	6 44	14 26	3 9	14 29	0 45	11 18	1 32	19 18	0 10	T 24
W25	5 11	26 25	4 24	13 29	1 52	4 53	6 32	14 26	3 7	14 25	0 45	11 15	1 33	19 19	0 10	W25
T 26	5 34	22 48	3 34	14 11	2 2	4 32	6 20	14 26	3 4	14 21	0 45	11 13	1 33	19 19	0 10	T 26
F 27	5 57	17 48	2 30	14 49	2 11	4 11	6 7	14 25	3 1	14 18	0 46	11 11	1 33	19 20	0 10	F 27
S 28	6 20	11 47	1 17	15 25	2 20	3 51	5 54	14 24	2 59	14 14	0 46	11 9	1 33	19 21	0 10	S 28
S 29	6 42	5 9	0s 1	15 59	2 28	3 32	5 41	14 22	2 56	14 10	0 46	11 7	1 33	19 21	0 10	S 29
M30	7 5	1s41	1 18	16 29	2 35	3 14	5 27	14 21	2 54	14 7	0 46	11 5	1 33	19 22	0 10	M30
T 31	7n27	8s22	2s30	16n57	2n41	2n56	5n14	14n19	2n51	14s 3	0s46	11s 3	1s33	19n23	0s10	T 31

Julian Day Number = 2277392.5, Delta T = 239.99 sec

Ecliptic obliquity = 23°30'14", Nutation = 0°00'05", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°05'13", Lahiri = 17°12'13" Julian Calendar 1 March 1523 == Greg. Calendar 11 March 1523

ASTRODIENST EPHEMERIS for the year 1523  
geocentric

APRIL 1523 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	13 12 18	19°57'07	29°14	9°36	25°R10	29°R34	24°53	5°23	27°2	7°6	15°36	16°R41	15°29	5°29	28°7	W 1
T 2	13 16 14	20°55'43	12°49	10°31	25°2	29°D34	25°4	5°29	27°5	7°8	15°36	16°36	15°26	5°36	28°10	T 2
F 3	13 20 11	21°54'17	26°4	11°21	24°56	29°D35	25°15	5°35	27°8	7°10	15°36	16°30	15°23	5°43	28°12	F 3
S 4	13 24 8	22°52'50	8°58	12°4	24°53	29°37	25°25	5°41	27°11	7°11	15°36	16°24	15°19	5°49	28°15	S 4
S 5	13 28 4	23°51'21	21°33	12°42	24°D52	29°39	25°36	5°46	27°14	7°13	15°36	16°19	15°16	5°56	28°18	S 5
M 6	13 32 1	24°49'50	3°50	13°14	24°54	29°42	25°47	5°52	27°17	7°15	15°36	16°15	15°13	6°3	28°21	M 6
T 7	13 35 57	25°48'17	15°54	13°40	24°58	29°45	25°57	5°57	27°20	7°17	15°37	16°13	15°10	6°9	28°24	T 7
W 8	13 39 54	26°46'43	27°48	14°0	25°5	29°49	26°7	6°3	27°23	7°18	15°R37	16°D13	15°7	6°16	28°26	W 8
T 9	13 43 50	27°45'07	9°38	14°14	25°13	29°54	26°18	6°8	27°26	7°20	15°37	16°13	15°3	6°23	28°29	T 9
F 10	13 47 47	28°43'29	21°29	14°22	25°24	0°0	26°28	6°14	27°30	7°21	15°36	16°15	15°0	6°29	28°31	F 10
S 11	13 51 43	29°41'50	3°26	14°R25	25°37	0°6	26°38	6°19	27°33	7°23	15°36	16°16	14°57	6°36	28°34	S 11
S 12	13 55 40	0°40'09	15°34	14°22	25°52	0°13	26°48	6°24	27°36	7°25	15°36	16°R17	14°54	6°43	28°36	S 12
M13	13 59 37	1°38'27	27°55	14°14	26°8	0°21	26°58	6°30	27°39	7°26	15°36	16°16	14°51	6°49	28°39	M13
T 14	14 3 33	2°36'43	10°34	14°1	26°27	0°29	27°7	6°35	27°42	7°28	15°36	16°13	14°48	6°56	28°41	T 14
W15	14 7 30	3°34'57	23°32	13°43	26°48	0°38	27°17	6°40	27°46	7°29	15°36	16°9	14°44	7°3	28°43	W15
T 16	14 11 26	4°33'09	6°48	13°21	27°10	0°47	27°26	6°45	27°49	7°30	15°36	16°2	14°41	7°9	28°46	T 16
F 17	14 15 23	5°31'20	20°22	12°55	27°34	0°57	27°36	6°50	27°52	7°32	15°35	15°54	14°38	7°16	28°48	F 17
S 18	14 19 19	6°29'29	4°11	12°26	28°0	1°8	27°45	6°55	27°56	7°33	15°35	15°46	14°35	7°23	28°50	S 18
S 19	14 23 16	7°27'37	18°10	11°53	28°27	1°19	27°54	6°59	27°59	7°35	15°35	15°38	14°32	7°29	28°52	S 19
M20	14 27 12	8°25'42	2°17	11°19	28°56	1°31	28°3	7°4	28°2	7°36	15°34	15°32	14°29	7°36	28°54	M20
T 21	14 31 9	9°23'46	16°28	10°43	29°27	1°43	28°12	7°9	28°6	7°37	15°34	15°27	14°25	7°43	28°56	T 21
W22	14 35 6	10°21'47	0°39	10°7	29°58	1°56	28°20	7°13	28°9	7°39	15°34	15°25	14°22	7°49	28°58	W22
T 23	14 39 2	11°19'47	14°49	9°30	0°32	2°9	28°29	7°18	28°12	7°40	15°33	15°D25	14°19	7°56	29°0	T 23
F 24	14 42 59	12°17'44	28°55	8°53	1°6	2°23	28°38	7°22	28°16	7°41	15°33	15°25	14°16	8°3	29°2	F 24
S 25	14 46 55	13°15'40	12°58	8°17	1°42	2°38	28°46	7°27	28°19	7°42	15°32	15°R26	14°13	8°9	29°4	S 25
S 26	14 50 52	14°13'34	26°55	7°43	2°19	2°53	28°54	7°31	28°23	7°43	15°32	15°25	14°9	8°16	29°5	S 26
M27	14 54 48	15°11'26	10°45	7°11	2°57	3°8	29°2	7°35	28°26	7°45	15°31	15°23	14°6	8°23	29°7	M27
T 28	14 58 45	16°9'16	24°26	6°42	3°36	3°24	29°10	7°39	28°30	7°46	15°31	15°18	14°3	8°29	29°9	T 28
W29	15 2 41	17°7'05	7°57	6°16	4°16	3°40	29°18	7°43	28°33	7°47	15°30	15°10	14°0	8°36	29°10	W29
T 30	15 6 38	18°4'52	21°14	5°54	4°58	3°57	29°25	7°47	28°37	7°48	15°30	15°1	13°57	8°43	29°12	T 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	7n49	14s31	3s31	17n21	2n46	2n39	5n 0	14n17	2n48	14s 0	0s46	11s 1	1s34	19n23	0s10	9s44	0s52	22s35	0s 0	5s16	5s44	22s10	6s42	5n49	
T 2	8 11	19 50	4 19	17 43	2 50	2 24	4 46	14 14	2 46	13 56	0 47	10 59	1 34	19 24	0 10	9 43	0 52	22 36	0 0	5 18	5 46	22 7	6 41	5 49	
F 3	8 33	24 2	4 52	18 1	2 54	2 9	4 33	14 12	2 43	13 53	0 47	10 57	1 34	19 25	0 10	9 43	0 52	22 36	0 0	5 21	5 47	22 5	6 39	5 50	
S 4	8 55	26 56	5 8	18 17	2 56	1 55	4 19	14 9	2 41	13 49	0 47	10 55	1 34	19 25	0 10	9 42	0 52	22 36	0 0	5 23	5 48	22 3	6 38	5 50	
S 5	9 17	28 23	5 10	18 30	2 57	1 43	4 5	14 6	2 38	13 46	0 47	10 53	1 34	19 26	0 10	9 41	0 52	22 36	0 1	5 25	5 49	22 0	6 37	5 50	
M 6	9 38	28 23	4 57	18 39	2 57	1 31	3 52	14 2	2 36	13 42	0 47	10 51	1 34	19 27	0 10	9 41	0 52	22 36	0 1	5 26	5 50	21 58	6 36	5 50	
T 7	10 0	27 2	4 30	18 46	2 55	1 20	3 39	13 59	2 33	13 39	0 48	10 49	1 35	19 28	0 10	9 40	0 52	22 36	0 1	5 27	5 52	21 55	6 35	5 51	
W 8	10 21	24 28	3 53	18 50	2 53	1 11	3 26	13 55	2 31	13 36	0 48	10 47	1 35	19 28	0 10	9 40	0 52	22 36	0 1	5 27	5 53	21 53	6 34	5 51	
T 9	10 42	20 52	3 6	18 50	2 49	1 2	3 13	13 51	2 28	13 32	0 48	10 45	1 35	19 29	0 10	9 39	0 52	22 36	0 1	5 27	5 54	21 51	6 32	5 51	
F 10	11 3	16 26	2 10	18 48	2 44	0 55	3 0	13 46	2 26	13 29	0 48	10 43	1 35	19 30	0 10	9 38	0 52	22 36	0 1	5 26	5 55	21 48	6 31	5 51	
S 11	11 24	11 21	1 9	18 42	2 37	0 49	2 47	13 42	2 23	13 26	0 48	10 42	1 35	19 30	0 10	9 38	0 52	22 36	0 1	5 26	5 57	21 46	6 30	5 52	
S 12	11 44	5 46	0 4	18 34	2 29	0 43	2 35	13 37	2 21	13 23	0 49	10 40	1 36	19 31	0 10	9 37	0 52	22 36	0 1	5 26	5 58	21 44	6 29	5 52	
M13	12 5	0n 8	1n 3	18 23	2 20	0 39	2 23	13 32	2 19	13 19	0 49	10 38	1 36	19 32	0 10	9 37	0 52	22 37	0 1	5 26	5 59	21 41	6 28	5 52	
T 14	12 25	6 9	2 7	18 9	2 10	0 35	2 11	13 27	2 16	13 16	0 49	10 36	1 36	19 33	0 10	9 36	0 52	22 37	0 1	5 27	6 0	21 39	6 27	5 53	
W15	12 45	12 3	3 7	17 53	1 59	0 33	1 59	13 22	2 14	13 13	0 49	10 35	1 36	19 33	0 10	9 36	0 52	22 37	0 1	5 29	6 2	21 36	6 26	5 53	
T 16	13 4	17 34	3 58	17 34	1 46	0 31	1 48	13 16	2 12	13 10	0 50	10 33	1 36	19 34	0 10	9 35	0 52	22 37	0 2	5 31	6 3	21 34	6 25	5 53	
F 17	13 24	22 20	4 37	17 13	1 32	0 31	1 37	13 11	2 9	13 7	0 50	10 31	1 36	19 35	0 10	9 35	0 52	22 37	0 2	5 34	6 4	21 32	6 24	5 53	
S 18	13 43	25 57	5 0	16 50	1 17	0 31	1 26	13 5	2 7	13 4	0 50	10 30	1 37	19 36	0 10	9 34	0 52	22 37	0 2	5 38	6 5	21 29	6 23	5 54	
S 19	14 2	28 3	5 6	16 26	1 2	0 32	1 16	12 59	2 5	13 1	0 50	10 28	1 37	19 36	0 10	9 34	0 53	22 37	0 2	5 41	6 6	21 27	6 22	5 54	
M20	14 21	28 22	4 54	16 0	0 46	0 35	1 5	12 52	2 3	12 58	0 50	10 26	1 37	19 37	0 10	9 33	0 53	22 37	0 2	5 43	6 8	21 24	6 21	5 54	
T 21	14 40	26 50	4 23	15 32	0 29	0 37	0 55	12 46	2 0	12 55	0 51	10 25	1 37	19 38	0 10	9 33	0 53	22 38	0 2	5 45	6 9	21 22	6 20	5 54	
W22	14 58	23 35	3 36	15 5	0 12	0 41	0 46	12 39	1 58	12 53	0 51	10 23	1 37	19 39	0 10	9 32	0 53	22 38	0 2	5 46	6 10	21 20	6 19	5 55	
T 23	15 16	18 56	2 36	14 36	0s 5	0 46	0 36	12 32	1 56	12 50	0 51	10 22	1 38	19 40	0 10	9 32	0 53	22 38	0 2	5 46	6 11	21 17	6 18	5 55	
F 24	15 34	13 15	1 27	14 8	0 23	0 51	0 27	12 25	1 54	12 47	0 51	10 20	1 38	19 40	0 10	9 31	0 53	22 38	0 2	5 46	6 13	21 15	6 17	5 55	
S 25	15 52	6 55	0 13	13 40	0 40	0 57	0 18	12 18	1 52	12 44	0 52	10 19	1 38	19 41	0 10	9 31	0 53	22 38	0 2	5 45	6 14	21 12	6 16	5 56	
S 26	16 9	0 18	1s 1	13 13	0 57	1 4	0 9	12 11	1 50	12 42	0 52	10 18	1 38	19 42	0 9	9 31	0 53	22 38	0 3	5 46	6 15	21 10	6 15	5 56	
M27	16 26	6s16	2 11	12 47	1 14	1 11	0 1	12 3	1 48	12 39	0 52	10 16	1 38	19 43	0 9	9 30	0 53	22 38	0 3	5 47	6 16	21 7	6 15	5 56	
T 28	16 43	12 29	3 12	12 23	1 30	1 19	0s 8	11 55	1 45	12 37	0 52	10 15	1 39	19 43	0 9	9 30	0 53	22 39	0 3	5 49	6 17	21 5	6 14	5 57	
W29	16 59	18 1	4 2	12 0	1 45	1 28	0 16	11 48	1 43	12 34	0 53	10 13	1 39	19 44	0 9	9 30	0 53	22 39	0 3	5 51	6 19	21 2	6 13	5 57	
T 30	17n16	22s35	4s38	11n38	2s 0	1n37	0s23	11n40	1n41	12s32	0s53	10s12	1s39	19n45	0s 9	9s29	0s53	22s39	0s 3	5s55	6s20	21s 0	6s12	5n57	

# ASTRODIENST EPHEMERIS for the year 1523

## geocentric

MAY 1523 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	15 10 35	19♂ 2'38	4♂16	5°R35	5°Y40	4♂14	29≈33	7♂51	28♂40	7♂49	15°R29	14°R50	13♂54	8≈49	29≈13	F 1
S 2	15 14 31	20° 0'22	17° 1	5♂21	6°23	4°32	29°40	7°55	28°43	7°50	15♂28	14♂39	13°50	8°56	29°15	S 2
S 3	15 18 28	20°58'06	29°31	5°10	7° 8	4°50	29°47	7°59	28°47	7°51	15°28	14°29	13°47	9° 3	29°16	S 3
M 4	15 22 24	21°55'48	11♂45	5° 4	7°53	5° 9	29°54	8° 2	28°50	7°52	15°27	14°20	13°44	9° 9	29°17	M 4
T 5	15 26 21	22°53'29	23°48	5°D 3	8°39	5°28	0♂ 1	8° 6	28°54	7°53	15°26	14°14	13°41	9°16	29°18	T 5
W 6	15 30 17	23°51'09	5≈42	5° 6	9°26	5°47	0° 8	8° 9	28°57	7°54	15°25	14°10	13°38	9°23	29°20	W 6
T 7	15 34 14	24°48'47	17°31	5°14	10°13	6° 7	0°15	8°12	29° 1	7°54	15°25	14° 9	13°35	9°29	29°21	T 7
F 8	15 38 10	25°46'25	29°22	5°26	11° 2	6°27	0°21	8°16	29° 4	7°55	15°24	14°D 9	13°31	9°36	29°22	F 8
S 9	15 42 7	26°44'02	11♂19	5°43	11°51	6°48	0°27	8°19	29° 8	7°56	15°23	14°R 9	13°28	9°43	29°23	S 9
S 10	15 46 4	27°41'37	23°28	6° 4	12°41	7° 9	0°33	8°22	29°12	7°57	15°22	14° 8	13°25	9°49	29°24	S 10
M11	15 50 0	28°39'12	5°Y53	6°29	13°31	7°30	0°39	8°25	29°15	7°57	15°21	14° 7	13°22	9°56	29°25	M11
T 12	15 53 57	29°36'46	18°39	6°59	14°23	7°51	0°45	8°28	29°19	7°58	15°20	14° 3	13°19	10° 3	29°25	T 12
W13	15 57 53	0Ⅱ34'19	1♂49	7°32	15°14	8°13	0°51	8°31	29°22	7°59	15°19	13°56	13°15	10°10	29°26	W13
T 14	16 1 50	1°31'51	15°22	8°10	16° 7	8°36	0°56	8°34	29°26	7°59	15°19	13°47	13°12	10°16	29°27	T 14
F 15	16 5 46	2°29'22	29°18	8°52	17° 0	8°59	1° 2	8°36	29°29	8° 0	15°18	13°36	13° 9	10°23	29°27	F 15
S 16	16 9 43	3°26'52	13Ⅱ31	9°37	17°53	9°22	1° 7	8°39	29°33	8° 1	15°17	13°24	13° 6	10°30	29°28	S 16
S 17	16 13 39	4°24'21	27°58	10°27	18°47	9°45	1°12	8°41	29°36	8° 1	15°16	13°14	13° 3	10°36	29°28	S 17
M18	16 17 36	5°21'49	12♂30	11°19	19°42	10° 9	1°16	8°44	29°40	8° 2	15°15	13° 4	13° 0	10°43	29°29	M18
T 19	16 21 33	6°19'15	27° 2	12°16	20°37	10°33	1°21	8°46	29°43	8° 2	15°14	12°58	12°56	10°50	29°29	T 19
W20	16 25 29	7°16'41	11♂28	13°15	21°33	10°57	1°26	8°48	29°47	8° 2	15°12	12°54	12°53	10°56	29°30	W20
T 21	16 29 26	8°14'05	25°45	14°18	22°29	11°22	1°30	8°50	29°50	8° 3	15°11	12°52	12°50	11° 3	29°30	T 21
F 22	16 33 22	9°11'28	9♂50	15°25	23°25	11°47	1°34	8°52	29°54	8° 3	15°10	12°52	12°47	11°10	29°30	F 22
S 23	16 37 19	10° 8'50	23°43	16°34	24°22	12°12	1°38	8°54	29°57	8° 4	15° 9	12°52	12°44	11°16	29°30	S 23
S 24	16 41 15	11° 6'10	7♂24	17°47	25°19	12°37	1°42	8°56	0Ⅱ 1	8° 4	15° 8	12°51	12°41	11°23	29°30	S 24
M25	16 45 12	12° 3'30	20°54	19° 3	26°17	13° 3	1°45	8°58	0° 4	8° 4	15° 7	12°47	12°37	11°30	29°R30	M25
T 26	16 49 8	13° 0'48	4♂13	20°22	27°15	13°29	1°49	8°59	0° 8	8° 4	15° 6	12°41	12°34	11°36	29°30	T 26
W27	16 53 5	13°58'06	17°20	21°44	28°14	13°55	1°52	9° 1	0°11	8° 5	15° 4	12°32	12°31	11°43	29°30	W27
T 28	16 57 2	14°55'23	0♂16	23° 9	29°13	14°22	1°55	9° 2	0°14	8° 5	15° 3	12°21	12°28	11°50	29°30	T 28
F 29	17 0 58	15°52'40	13° 0	24°37	0♂12	14°49	1°58	9° 4	0°18	8° 5	15° 2	12° 8	12°25	11°56	29°30	F 29
S 30	17 4 55	16°49'55	25°32	26° 8	1°11	15°16	2° 0	9° 5	0°21	8° 5	15° 1	11°55	12°21	12° 3	29°30	S 30
S 31	17 8 51	17Ⅱ47'10	7♂51	27♂42	2♂11	15♂43	2♂ 3	9♂ 6	0Ⅱ25	8♂ 5	15♂ 0	11♂43	12♂18	12≈10	29≈29	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	17n32	25s56	4s58	11n19	2s13	1n47	0s31	11n31	1n39	12s29	0s53	10s11	1s39	19n46	0s9	9s29	F 1
S 2	17 47	27 53	5 3	11 3	2 26	1 58	0 38	11 23	1 37	12 27	0 53	10 10	1 40	19 47	0 9	9 28	S 2
S 3	18 3	28 23	4 53	10 48	2 38	2 9	0 45	11 15	1 36	12 25	0 54	10 9	1 40	19 47	0 9	9 28	S 3
M 4	18 18	27 27	4 29	10 36	2 49	2 21	0 52	11 6	1 34	12 22	0 54	10 7	1 40	19 48	0 9	9 28	M 4
T 5	18 33	25 15	3 54	10 26	2 58	2 33	0 58	10 57	1 32	12 20	0 54	10 6	1 40	19 49	0 9	9 28	T 5
W 6	18 47	21 57	3 9	10 19	3 7	2 46	1 4	10 48	1 30	12 18	0 54	10 5	1 40	19 50	0 9	9 27	W 6
T 7	19 1	17 47	2 17	10 14	3 15	2 59	1 11	10 39	1 28	12 16	0 55	10 4	1 41	19 50	0 9	9 27	T 7
F 8	19 15	12 56	1 18	10 12	3 21	3 12	1 16	10 30	1 26	12 14	0 55	10 3	1 41	19 51	0 9	9 27	F 8
S 9	19 29	7 34	0 15	10 12	3 27	3 26	1 22	10 21	1 24	12 12	0 55	10 2	1 41	19 52	0 9	9 26	S 9
S 10	19 42	1 51	0n49	10 15	3 31	3 41	1 27	10 11	1 23	12 10	0 55	10 1	1 41	19 53	0 9	9 26	S 10
M 11	19 55	4n 4	1 53	10 20	3 35	3 56	1 33	10 2	1 21	12 8	0 56	10 0	1 42	19 54	0 9	9 26	M 11
T 12	20 7	9 59	2 52	10 27	3 38	4 11	1 38	9 52	1 19	12 6	0 56	9 59	1 42	19 54	0 9	9 26	T 12
W 13	20 20	15 38	3 44	10 36	3 39	4 27	1 42	9 42	1 17	12 5	0 56	9 58	1 42	19 55	0 9	9 26	W 13
T 14	20 31	20 42	4 25	10 48	3 40	4 43	1 47	9 32	1 16	12 3	0 56	9 58	1 42	19 56	0 9	9 25	T 14
F 15	20 43	24 48	4 52	11 1	3 40	4 59	1 51	9 22	1 14	12 1	0 57	9 57	1 42	19 57	0 9	9 25	F 15
S 16	20 54	27 27	5 1	11 16	3 39	5 15	1 56	9 12	1 12	12 0	0 57	9 56	1 43	19 57	0 9	9 25	S 16
S 17	21 5	28 20	4 51	11 33	3 37	5 32	2 0	9 1	1 11	11 58	0 57	9 55	1 43	19 58	0 9	9 25	S 17
M 18	21 15	27 16	4 22	11 52	3 35	5 49	2 3	8 51	1 9	11 57	0 57	9 55	1 43	19 59	0 9	9 25	M 18
T 19	21 25	24 21	3 37	12 12	3 31	6 7	2 7	8 40	1 7	11 55	0 58	9 54	1 43	20 0	0 9	9 25	T 19
W 20	21 35	19 55	2 38	12 34	3 27	6 24	2 10	8 29	1 6	11 54	0 58	9 53	1 44	20 0	0 9	9 24	W 20
T 21	21 44	14 22	1 29	12 57	3 23	6 42	2 14	8 19	1 4	11 53	0 58	9 53	1 44	20 1	0 9	9 24	T 21
F 22	21 53	8 9	0 16	13 21	3 17	7 0	2 17	8 8	1 2	11 51	0 59	9 52	1 44	20 2	0 9	9 24	F 22
S 23	22 2	1 38	0s57	13 47	3 11	7 18	2 20	7 56	1 1	11 50	0 59	9 52	1 44	20 3	0 9	9 24	S 23
S 24	22 10	4s52	2 6	14 13	3 5	7 37	2 22	7 45	0 59	11 49	0 59	9 51	1 45	20 3	0 9	9 24	S 24
M 25	22 18	11 3	3 6	14 41	2 57	7 55	2 25	7 34	0 58	11 48	0 59	9 51	1 45	20 4	0 9	9 24	M 25
T 26	22 25	16 39	3 56	15 10	2 50	8 14	2 27	7 23	0 56	11 47	1 0	9 51	1 45	20 5	0 9	9 24	T 26
W 27	22 32	21 24	4 32	15 39	2 41	8 33	2 30	7 11	0 55	11 46	1 0	9 50	1 45	20 6	0 9	9 24	W 27
T 28	22 39	25 2	4 54	16 9	2 33	8 51	2 32	6 59	0 53	11 46	1 0	9 50	1 46	20 6	0 9	9 24	T 28
F 29	22 45	27 23	5 0	16 39	2 24	9 10	2 34	6 48	0 52	11 45	1 1	9 50	1 46	20 7	0 9	9 24	F 29
S 30	22 51	28 17	4 52	17 10	2 14	9 29	2 35	6 36	0 50	11 44	1 1	9 49	1 46	20 8	0 9	9 24	S 30
S 31	22n56	27s46	4s30	17n41	2s 4	9n49	2s37	6n24	0n49	11s44	1s 1	9s49	1s46	20n 8	0s 9	9s24	S 31

Julian Day Number = 2277453.5, Delta T = 239.61 sec

Ecliptic obliquity = 23°30'13, Nutation = 0°00'03, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°05'21, Lahiri = 17°12'22 Julian Calendar 1 May 1523 == Greg. Calendar 11 May 1523



ASTRODIENST EPHEMERIS for the year 1523  
geocentric

JUNE 1523 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	17 12 48	18II44'25	19☾58	29♂19	3♂12	16♂11	2♂ 5	9♂ 7	0II28	8♂ 5	14°R58	11°R32	12♂15	12♂16	29°R29	M 1
T 2	17 16 44	19°41'39	1♂56	0II58	4°12	16°39	2° 7	9° 8	0°31	8°R 5	14☾57	11♂24	12°12	12°23	29♂28	T 2
W 3	17 20 41	20°38'53	13°47	2°41	5°13	17° 7	2° 9	9° 9	0°35	8° 5	14°56	11°19	12° 9	12°30	29°28	W 3
T 4	17 24 37	21°36'06	25°35	4°26	6°14	17°35	2°11	9°10	0°38	8° 5	14°54	11°17	12° 6	12°36	29°27	T 4
F 5	17 28 34	22°33'20	7♂25	6°14	7°16	18° 4	2°12	9°10	0°41	8° 5	14°53	11°D16	12° 2	12°43	29°27	F 5
S 6	17 32 31	23°30'33	19°21	8° 5	8°18	18°32	2°14	9°11	0°45	8° 5	14°52	11°R16	11°59	12°50	29°26	S 6
S 7	17 36 27	24°27'46	1°V29	9°59	9°20	19° 1	2°15	9°11	0°48	8° 5	14°50	11°16	11°56	12°56	29°25	S 7
M 8	17 40 24	25°24'59	13°55	11°55	10°22	19°31	2°16	9°12	0°51	8° 4	14°49	11°14	11°53	13° 3	29°24	M 8
T 9	17 44 20	26°22'11	26°42	13°53	11°24	20° 0	2°16	9°12	0°55	8° 4	14°48	11°11	11°50	13° 9	29°24	T 9
W10	17 48 17	27°19'24	9♂55	15°54	12°27	20°30	2°17	9°12	0°58	8° 4	14°46	11° 5	11°47	13°16	29°23	W10
T 11	17 52 13	28°16'37	23°36	17°57	13°30	20°59	2°17	9°R12	1° 1	8° 4	14°45	10°57	11°43	13°23	29°22	T 11
F 12	17 56 10	29°13'50	7II43	20° 1	14°34	21°29	2°R18	9°12	1° 4	8° 3	14°44	10°48	11°40	13°29	29°21	F 12
S 13	18 0 7	0☾11'03	22°13	22° 7	15°37	22° 0	2°18	9°12	1° 8	8° 3	14°42	10°37	11°37	13°36	29°19	S 13
S 14	18 4 3	1° 8'16	7☾ 0	24°15	16°41	22°30	2°17	9°12	1°11	8° 3	14°41	10°27	11°34	13°43	29°18	S 14
M15	18 8 0	2° 5'28	21°55	26°24	17°45	23° 1	2°17	9°11	1°14	8° 2	14°39	10°19	11°31	13°49	29°17	M15
T 16	18 11 56	3° 2'41	6♂50	28°33	18°49	23°32	2°16	9°11	1°17	8° 2	14°38	10°13	11°27	13°56	29°16	T 16
W17	18 15 53	3°59'53	21°35	0☾44	19°53	24° 3	2°16	9°10	1°20	8° 1	14°37	10° 9	11°24	14° 3	29°15	W17
T 18	18 19 49	4°57'05	6♂ 7	2°54	20°58	24°34	2°15	9°10	1°23	8° 1	14°35	10°D 8	11°21	14° 9	29°13	T 18
F 19	18 23 46	5°54'16	20°21	5° 5	22° 3	25° 5	2°13	9° 9	1°26	8° 0	14°34	10° 8	11°18	14°16	29°12	F 19
S 20	18 27 42	6°51'27	4♂16	7°15	23° 7	25°37	2°12	9° 8	1°29	8° 0	14°32	10°R 9	11°15	14°23	29°10	S 20
S 21	18 31 39	7°48'38	17°53	9°24	24°13	26° 9	2°10	9° 7	1°32	7°59	14°31	10° 8	11°12	14°29	29° 9	S 21
M22	18 35 36	8°45'49	1♂12	11°33	25°18	26°41	2° 9	9° 6	1°35	7°58	14°29	10° 6	11° 8	14°36	29° 7	M22
T 23	18 39 32	9°43'00	14°16	13°41	26°23	27°13	2° 7	9° 5	1°38	7°58	14°28	10° 2	11° 5	14°43	29° 6	T 23
W24	18 43 29	10°40'10	27° 6	15°48	27°29	27°45	2° 5	9° 4	1°41	7°57	14°26	9°55	11° 2	14°49	29° 4	W24
T 25	18 47 25	11°37'21	9♂44	17°53	28°35	28°18	2° 2	9° 2	1°44	7°56	14°25	9°46	10°59	14°56	29° 2	T 25
F 26	18 51 22	12°34'32	22°11	19°57	29°41	28°50	2° 0	9° 1	1°47	7°56	14°24	9°36	10°56	15° 3	29° 0	F 26
S 27	18 55 18	13°31'43	4☾27	22° 0	0II47	29°23	1°57	8°59	1°50	7°55	14°22	9°26	10°53	15° 9	28°59	S 27
S 28	18 59 15	14°28'54	16°34	24° 0	1°53	29°56	1°54	8°58	1°53	7°54	14°21	9°16	10°49	15°16	28°57	S 28
M29	19 3 11	15°26'06	28°33	26° 0	2°59	0♂29	1°51	8°56	1°55	7°53	14°19	9° 8	10°46	15°23	28°55	M29
T 30	19 7 8	16☾23'18	10♂26	27☾57	4II 6	1♂ 3	1♂48	8♂54	1II58	7♂52	14☾18	9♂ 2	10♂43	15♂29	28♂53	T 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	23n 1	25s54	3s56	18n12	1s54	10n 8	2s38	6n12	0n48	11s43	1s 1	9s49	1s46	20n 9	0s 9	9s24	0s54	22s46	0s 6	7s15	6s59	19s38	5s57	6n 7	
T 2	23 6	22 54	3 12	18 44	1 43	10 27	2 40	6 0	0 46	11 42	1 2	9 49	1 47	20 10	0 9	9 24	0 54	22 46	0 6	7 18	7 0	19 35	5 56	6 8	
W 3	23 10	18 58	2 20	19 15	1 32	10 46	2 41	5 47	0 45	11 42	1 2	9 49	1 47	20 11	0 9	9 24	0 54	22 46	0 6	7 20	7 1	19 33	5 56	6 8	
T 4	23 14	14 19	1 22	19 46	1 21	11 5	2 42	5 35	0 43	11 42	1 2	9 49	1 47	20 11	0 9	9 24	0 54	22 46	0 6	7 21	7 3	19 30	5 56	6 8	
F 5	23 18	9 7	0 20	20 16	1 9	11 25	2 43	5 23	0 42	11 41	1 3	9 49	1 47	20 12	0 9	9 24	0 54	22 47	0 6	7 22	7 4	19 28	5 56	6 9	
S 6	23 21	3 34	0n43	20 46	0 58	11 44	2 43	5 10	0 41	11 41	1 3	9 49	1 48	20 13	0 9	9 24	0 54	22 47	0 6	7 22	7 5	19 25	5 56	6 9	
S 7	23 23	2n12	1 45	21 14	0 46	12 3	2 44	4 57	0 39	11 41	1 3	9 49	1 48	20 13	0 9	9 24	0 54	22 47	0 7	7 22	7 6	19 22	5 56	6 9	
M 8	23 25	8 1	2 44	21 42	0 35	12 22	2 45	4 45	0 38	11 41	1 3	9 49	1 48	20 14	0 9	9 24	0 54	22 47	0 7	7 22	7 7	19 20	5 56	6 10	
T 9	23 27	13 41	3 36	22 9	0 23	12 41	2 45	4 32	0 37	11 41	1 4	9 49	1 48	20 15	0 9	9 24	0 55	22 48	0 7	7 23	7 9	19 17	5 56	6 10	
W10	23 29	18 55	4 19	22 34	0 12	13 0	2 45	4 19	0 35	11 41	1 4	9 49	1 49	20 15	0 9	9 25	0 55	22 48	0 7	7 26	7 10	19 14	5 56	6 10	
T 11	23 30	23 22	4 49	22 57	0 1	13 19	2 45	4 6	0 34	11 41	1 4	9 49	1 49	20 16	0 9	9 25	0 55	22 48	0 7	7 29	7 11	19 12	5 56	6 11	
F 12	23 30	26 37	5 2	23 18	0n10	13 37	2 45	3 53	0 33	11 41	1 5	9 50	1 49	20 17	0 9	9 25	0 55	22 48	0 7	7 32	7 12	19 9	5 56	6 11	
S 13	23 30	28 12	4 56	23 37	0 21	13 56	2 45	3 40	0 32	11 42	1 5	9 50	1 49	20 17	0 9	9 25	0 55	22 49	0 7	7 36	7 14	19 6	5 56	6 11	
S 14	23 30	27 50	4 31	23 54	0 31	14 14	2 45	3 27	0 30	11 42	1 5	9 50	1 50	20 18	0 9	9 25	0 55	22 49	0 7	7 40	7 15	19 4	5 56	6 11	
M15	23 29	25 27	3 47	24 9	0 41	14 32	2 44	3 13	0 29	11 42	1 5	9 51	1 50	20 19	0 9	9 25	0 55	22 49	0 7	7 43	7 16	19 1	5 57	6 12	
T 16	23 28	21 19	2 47	24 20	0 51	14 50	2 44	3 0	0 28	11 43	1 6	9 51	1 50	20 19	0 9	9 26	0 55	22 49	0 7	7 46	7 17	18 58	5 57	6 12	
W17	23 27	15 53	1 37	24 30	1 0	15 8	2 43	2 47	0 27	11 44	1 6	9 51	1 50	20 20	0 9	9 26	0 55	22 50	0 8	7 47	7 18	18 55	5 57	6 12	
T 18	23 25	9 37	0 21	24 36	1 8	15 26	2 42	2 33	0 25	11 44	1 6	9 52	1 51	20 21	0 9	9 26	0 55	22 50	0 8	7 47	7 20	18 53	5 57	6 13	
F 19	23 22	3 0	0s54	24 39	1 15	15 44	2 42	2 20	0 24	11 45	1 7	9 52	1 51	20 21	0 9	9 26	0 55	22 50	0 8	7 47	7 21	18 50	5 57	6 13	
S 20	23 20	3s37	2 5	24 40	1 22	16 1	2 41	2 6	0 23	11 46	1 7	9 53	1 51	20 22	0 9	9 27	0 55	22 50	0 8	7 47	7 22	18 47	5 58	6 13	
S 21	23 16	9 55	3 7	24 38	1 28	16 18	2 40	1 52	0 22	11 46	1 7	9 53	1 51	20 23	0 9	9 27	0 55	22 51	0 8	7 47	7 23	18 45	5 58	6 13	
M22	23 13	15 38	3 58	24 33	1 34	16 35	2 38	1 38	0 21	11 47	1 8	9 54	1 52	20 23	0 9	9 27	0 55	22 51	0 8	7 48	7 24	18 42	5 58	6 14	
T 23	23 9	20 32	4 35	24 26	1 38	16 51	2 37	1 24	0 19	11 48	1 8	9 55	1 52	20 24	0 9	9 27	0 55	22 51	0 8	7 50	7 26	18 39	5 59	6 14	
W24	23 4	24 23	4 57	24 15	1 42	17 7	2 36	1 11	0 18	11 49	1 8	9 55	1 52	20 24	0 9	9 28	0 55	22 51	0 8	7 52	7 27	18 36	5 59	6 14	
T 25	23 0	26 59	5 5	24 3	1 45	17 23	2 34	0 57	0 17	11 51	1 8	9 56	1 52	20 25	0 9	9 28	0 55	22 52	0 8	7 56	7 28	18 34	5 59	6 14	
F 26	22 54	28 13	4 57	23 47	1 48	17 39	2 33	0 42	0 16	11 52	1 9	9 57	1 52	20 26	0 9	9 28	0 55	22 52	0 8	7 59	7 29	18 31	6 0	6 15	
S 27	22 49	28 2	4 36	23 30	1 49	17 54	2 31	0 28	0 15	11 53	1 9	9 58	1 53	20 26	0 9	9 29	0 55	22 52	0 9	8 3	7 30	18 28	6 0	6 15	
S 28	22 43	26 30	4 3	23 10	1 50	18 9	2 29	0 14	0 14	11 54	1 9	9 58	1 53	20 27	0 9	9 29	0 55	22 52	0 9	8 7	7 32	18 25	6 0	6 15	
M29	22 36	23 46	3 19	22 49	1 51	18 24	2 28	0s 0	0 13	11 56	1 10	9 59	1 53	20 27	0 9	9 29	0 55	22 53	0 9	8 10	7 33	18 23	6 1	6 15	
T 30	22n30	20s 2	2s27	22n26	1n50	18n38	2s26	0s14	0n12	11s57	1s10	10s 0	1s53	20n28	0s 9	9s30	0s55	22s53	0s 9	8s12	7s34	18s20	6s 1	6n15	

ASTRODIENST EPHEMERIS for the year 1523  
geocentric

JULY 1523 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	19 11 5	17°20'30	22°14	29°53	5°11	1°36	1°R44	8°R52	2°11	7°R52	14°R16	8°R58	10°40	15°36	28°R51	W 1
T 2	19 15 1	18°17'43	4°12	1°47	6°20	2°10	1°41	8°50	2°3	7°51	14°15	8°D57	10°37	15°43	28°49	T 2
F 3	19 18 58	19°14'57	15°51	3°39	7°27	2°43	1°37	8°48	2°6	7°50	14°13	8°57	10°33	15°49	28°47	F 3
S 4	19 22 54	20°12'11	27°47	5°29	8°34	3°17	1°33	8°46	2°9	7°49	14°12	8°58	10°30	15°56	28°44	S 4
S 5	19 26 51	21°9'26	9°55	7°17	9°41	3°51	1°29	8°44	2°11	7°48	14°10	8°59	10°27	16°3	28°42	S 5
M 6	19 30 47	22°6'42	22°19	9°4	10°49	4°25	1°25	8°42	2°14	7°47	14°9	9°R0	10°24	16°9	28°40	M 6
T 7	19 34 44	23°3'59	5°8	10°49	11°56	5°0	1°20	8°39	2°16	7°46	14°8	8°59	10°21	16°16	28°38	T 7
W 8	19 38 40	24°1'17	18°15	12°32	13°4	5°34	1°15	8°37	2°19	7°45	14°6	8°57	10°18	16°23	28°35	W 8
T 9	19 42 37	24°58'36	1°15	14°14	14°12	6°9	1°11	8°34	2°21	7°44	14°5	8°52	10°14	16°29	28°33	T 9
F 10	19 46 34	25°55'55	16°0	15°53	15°20	6°44	1°6	8°31	2°24	7°43	14°3	8°47	10°11	16°36	28°31	F 10
S 11	19 50 30	26°53'16	0°34	17°31	16°28	7°19	1°0	8°29	2°26	7°41	14°2	8°41	10°8	16°43	28°28	S 11
S 12	19 54 27	27°50'38	15°28	19°7	17°36	7°54	0°55	8°26	2°29	7°40	14°0	8°35	10°5	16°49	28°26	S 12
M13	19 58 23	28°48'00	0°35	20°41	18°45	8°29	0°50	8°23	2°31	7°39	13°59	8°29	10°2	16°56	28°23	M13
T 14	20 2 20	29°45'23	15°44	22°14	19°53	9°4	0°44	8°20	2°33	7°38	13°58	8°26	9°59	17°3	28°21	T 14
W15	20 6 16	0°42'47	0°48	23°44	21°2	9°40	0°38	8°17	2°35	7°37	13°56	8°24	9°55	17°9	28°18	W15
T 16	20 10 13	1°40'12	15°36	25°13	22°10	10°15	0°32	8°14	2°38	7°35	13°55	8°D24	9°52	17°16	28°16	T 16
F 17	20 14 9	2°37'37	0°5	26°40	23°19	10°51	0°26	8°11	2°40	7°34	13°53	8°25	9°49	17°23	28°13	F 17
S 18	20 18 6	3°35'02	14°10	28°6	24°28	11°27	0°20	8°7	2°42	7°33	13°52	8°27	9°46	17°29	28°10	S 18
S 19	20 22 3	4°32'29	27°51	29°29	25°37	12°3	0°14	8°4	2°44	7°32	13°51	8°28	9°43	17°36	28°8	S 19
M20	20 25 59	5°29'56	11°10	0°50	26°46	12°39	0°8	8°1	2°46	7°30	13°49	8°R28	9°39	17°43	28°5	M20
T 21	20 29 56	6°27'24	24°8	2°10	27°55	13°16	0°1	7°57	2°48	7°29	13°48	8°27	9°36	17°49	28°2	T 21
W22	20 33 52	7°24'53	6°48	3°27	29°5	13°52	29°54	7°54	2°50	7°28	13°47	8°24	9°33	17°56	28°0	W22
T 23	20 37 49	8°22'22	19°14	4°43	0°14	14°28	29°48	7°50	2°52	7°26	13°45	8°20	9°30	18°3	27°57	T 23
F 24	20 41 45	9°19'53	1°29	5°56	1°24	15°5	29°41	7°46	2°54	7°25	13°44	8°15	9°27	18°9	27°54	F 24
S 25	20 45 42	10°17'24	13°33	7°7	2°33	15°42	29°34	7°42	2°55	7°23	13°43	8°10	9°24	18°16	27°51	S 25
S 26	20 49 39	11°14'57	25°31	8°16	3°43	16°19	29°27	7°39	2°57	7°22	13°42	8°6	9°20	18°22	27°48	S 26
M27	20 53 35	12°12'30	7°23	9°23	4°53	16°56	29°20	7°35	2°59	7°21	13°40	8°2	9°17	18°29	27°45	M27
T 28	20 57 32	13°10'05	19°12	10°27	6°3	17°33	29°12	7°31	3°1	7°19	13°39	8°0	9°14	18°36	27°42	T 28
W29	21 1 28	14°7'41	1°1	11°29	7°13	18°10	29°5	7°27	3°2	7°18	13°38	7°58	9°11	18°42	27°40	W29
T 30	21 5 25	15°5'18	12°49	12°28	8°23	18°47	28°58	7°23	3°4	7°16	13°37	7°D58	9°8	18°49	27°37	T 30
F 31	21 9 21	16°2'56	24°42	13°24	9°33	19°25	28°50	7°19	3°5	7°15	13°36	7°59	9°5	18°56	27°34	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	22n23	15s32	1s29	22n0	1n49	18n52	2s24	0s29	0n11	11s59	1s10	10s1	1s54	20n28	0s9	9s30
T 2	22 15	10 28	0 27	21 34	1 47	19 6	2 22	0 43	0 9	12 0	1 10	10 2	1 54	20 29	0 9	9 30
F 3	22 7	5 1	0n37	21 6	1 45	19 19	2 20	0 57	0 8	12 2	1 11	10 3	1 54	20 29	0 9	9 31
S 4	21 59	0n39	1 40	20 36	1 42	19 32	2 17	1 12	0 7	12 3	1 11	10 4	1 54	20 30	0 9	9 31
S 5	21 50	6 23	2 39	20 6	1 39	19 44	2 15	1 26	0 6	12 5	1 11	10 5	1 55	20 30	0 9	9 32
M 6	21 41	12 0	3 33	19 34	1 35	19 56	2 13	1 41	0 5	12 7	1 11	10 6	1 55	20 31	0 9	9 32
T 7	21 32	17 17	4 17	19 1	1 31	20 8	2 10	1 56	0 4	12 9	1 12	10 7	1 55	20 31	0 9	9 32
W 8	21 22	21 56	4 50	18 28	1 26	20 19	2 8	2 10	0 3	12 11	1 12	10 8	1 55	20 32	0 9	9 33
T 9	21 12	25 36	5 7	17 53	1 20	20 29	2 6	2 25	0 2	12 13	1 12	10 10	1 55	20 32	0 9	9 33
F 10	21 1	27 51	5 7	17 18	1 15	20 39	2 3	2 40	0 1	12 15	1 12	10 11	1 56	20 33	0 9	9 34
S 11	20 50	28 18	4 47	16 43	1 8	20 49	2 0	2 54	0 0	12 17	1 13	10 12	1 56	20 33	0 9	9 34
S 12	20 39	26 43	4 8	16 7	1 2	20 58	1 58	3 9	0s1	12 19	1 13	10 13	1 56	20 34	0 9	9 35
M13	20 27	23 11	3 11	15 30	0 55	21 7	1 55	3 24	0 2	12 21	1 13	10 15	1 56	20 34	0 9	9 35
T 14	20 15	18 4	2 0	14 53	0 47	21 15	1 52	3 39	0 3	12 23	1 13	10 16	1 56	20 35	0 9	9 35
W15	20 3	11 52	0 41	14 16	0 40	21 23	1 49	3 54	0 4	12 25	1 14	10 17	1 57	20 35	0 9	9 36
T 16	19 50	5 5	0s39	13 39	0 32	21 30	1 46	4 9	0 5	12 28	1 14	10 19	1 57	20 36	0 9	9 36
F 17	19 38	1s48	1 56	13 1	0 23	21 37	1 44	4 23	0 6	12 30	1 14	10 20	1 57	20 36	0 9	9 37
S 18	19 24	8 24	3 3	12 24	0 15	21 43	1 41	4 38	0 6	12 33	1 14	10 21	1 57	20 36	0 9	9 37
S 19	19 11	14 26	3 58	11 47	0 6	21 48	1 38	4 53	0 7	12 35	1 15	10 23	1 57	20 37	0 9	9 38
M20	18 57	19 37	4 38	11 9	0s3	21 53	1 35	5 8	0 8	12 37	1 15	10 24	1 58	20 37	0 9	9 39
T 21	18 43	23 45	5 3	10 32	0 12	21 58	1 31	5 23	0 9	12 40	1 15	10 26	1 58	20 38	0 9	9 39
W22	18 28	26 38	5 13	9 55	0 22	22 2	1 28	5 38	0 10	12 42	1 15	10 27	1 58	20 38	0 9	9 40
T 23	18 13	28 10	5 7	9 19	0 32	22 5	1 25	5 53	0 11	12 45	1 15	10 29	1 58	20 38	0 9	9 40
F 24	17 58	28 17	4 48	8 43	0 42	22 8	1 22	6 8	0 12	12 48	1 16	10 30	1 58	20 39	0 9	9 41
S 25	17 43	27 3	4 15	8 7	0 52	22 10	1 19	6 23	0 13	12 50	1 16	10 32	1 58	20 39	0 9	9 41
S 26	17 27	24 34	3 32	7 32	1 2	22 11	1 16	6 39	0 14	12 53	1 16	10 33	1 59	20 39	0 9	9 42
M27	17 11	21 4	2 40	6 57	1 13	22 12	1 12	6 54	0 15	12 56	1 16	10 35	1 59	20 40	0 9	9 42
T 28	16 55	16 43	1 42	6 23	1 23	22 13	1 9	7 9	0 15	12 58	1 16	10 37	1 59	20 40	0 9	9 43
W29	16 38	11 45	0 38	5 50	1 34	22 13	1 6	7 24	0 16	13 1	1 17	10 38	1 59	20 40	0 9	9 43
T 30	16 21	6 21	0n27	5 17	1 44	22 12	1 3	7 39	0 17	13 4	1 17	10 40	1 59	20 41	0 9	9 44
F 31	16n4	0s43	1n31	4n46	1s55	22n10	0s59	7s54	0s18	13s7	1s17	10s42	1s59	20n41	0s9	9s45

Julian Day Number = 2277514.5, Delta T = 239.23 sec  
Ecliptic obliquity = 23°30'13", Nutation = 0°00'06", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 18°05'29", Lahiri = 17°12'30" Julian Calendar 1 July 1523 == Greg. Calendar 11 July 1523



ASTRODIENST EPHEMERIS for the year 1523  
geocentric

AUGUST 1523 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	21 13 18	17°03'36"	6°43'	14°18'	10°54'	20°40'	28°43'	7°15'	3°11'	7°13'	13°34'	8°11'	9°11'	19°22'	27°31'	S 1
S 2	21 17 14	17°58'18"	18°54'	15° 8'	11°54'	20°40'	28°35'	7°11'	3° 8'	7°12'	13°33'	8° 2'	8°58'	19° 9'	27°28'	S 2
M 3	21 21 11	18°56'01"	18°19'	15°55'	13° 5'	21°18'	28°27'	7° 6'	3°10'	7°10'	13°32'	8° 3'	8°55'	19°16'	27°25'	M 3
T 4	21 25 7	19°53'46"	14° 4'	16°39'	14°15'	21°56'	28°20'	7° 2'	3°11'	7° 8'	13°31'	8°R 4'	8°52'	19°22'	27°22'	T 4
W 5	21 29 4	20°51'33"	17°19'	17°19'	15°26'	22°34'	28°12'	6°58'	3°12'	7° 7'	13°30'	8° 4'	8°49'	19°29'	27°19'	W 5
T 6	21 33 1	21°49'21"	10°11'42"	17°55'	16°37'	23°12'	28° 4'	6°54'	3°14'	7° 5'	13°29'	8° 3'	8°45'	19°36'	27°16'	T 6
F 7	21 36 57	22°47'12"	24°40'	18°27'	17°48'	23°50'	27°56'	6°49'	3°15'	7° 4'	13°28'	8° 2'	8°42'	19°42'	27°13'	F 7
S 8	21 40 54	23°45'04"	9°53' 4'	18°55'	18°59'	24°29'	27°48'	6°45'	3°16'	7° 2'	13°27'	8° 0'	8°39'	19°49'	27°10'	S 8
S 9	21 44 50	24°42'57"	23°51'	19°18'	20°10'	25° 7'	27°41'	6°41'	3°17'	7° 1'	13°26'	7°59'	8°36'	19°56'	27° 7'	S 9
M10	21 48 47	25°40'53"	8°02'54"	19°37'	21°21'	25°46'	27°33'	6°36'	3°18'	6°59'	13°25'	7°57'	8°33'	20° 2'	27° 4'	M10
T 11	21 52 43	26°38'50"	24° 5'	19°50'	22°32'	26°24'	27°25'	6°32'	3°19'	6°57'	13°24'	7°57'	8°30'	20° 9'	27° 1'	T 11
W12	21 56 40	27°36'48"	9°15'15"	19°58'	23°43'	27° 3'	27°17'	6°27'	3°20'	6°56'	13°23'	7°D56'	8°26'	20°16'	26°58'	W12
T 13	22 0 37	28°34'48"	24°14'	20°R 1'	24°55'	27°42'	27° 9'	6°23'	3°21'	6°54'	13°22'	7°57'	8°23'	20°22'	26°55'	T 13
F 14	22 4 33	29°32'49"	8°54'11"	19°57'	26° 6'	28°21'	27° 1'	6°18'	3°22'	6°52'	13°21'	7°57'	8°20'	20°29'	26°52'	F 14
S 15	22 8 30	0°13'05"2	23°11'	19°48'	27°18'	29° 0'	26°53'	6°14'	3°23'	6°51'	13°20'	7°58'	8°17'	20°36'	26°49'	S 15
S 16	22 12 26	1°28'57"	7°11' 2'	19°33'	28°29'	29°40'	26°45'	6° 9'	3°24'	6°49'	13°19'	7°58'	8°14'	20°42'	26°46'	S 16
M17	22 16 23	2°27'02"	20°27'	19°11'	29°41'	0°11'19"	26°37'	6° 4'	3°25'	6°48'	13°18'	7°59'	8°10'	20°49'	26°43'	M17
T 18	22 20 19	3°25'10"	3°27'27"	18°43'	0°02'53"	0°58'	26°30'	6° 0'	3°25'	6°46'	13°17'	7°R59'	8° 7'	20°56'	26°40'	T 18
W19	22 24 16	4°23'18"	16° 5'	18° 9'	2° 5'	1°38'	26°22'	5°55'	3°26'	6°44'	13°17'	7°59'	8° 4'	21° 2'	26°37'	W19
T 20	22 28 12	5°21'29"	28°26'	17°29'	3°17'	2°18'	26°14'	5°51'	3°26'	6°43'	13°16'	7°59'	8° 1'	21° 9'	26°34'	T 20
F 21	22 32 9	6°19'40"	10°33'34"	16°44'	4°29'	2°57'	26° 6'	5°46'	3°27'	6°41'	13°15'	7°58'	7°58'	21°15'	26°31'	F 21
S 22	22 36 6	7°17'53"	22°31'	15°53'	5°41'	3°37'	25°59'	5°42'	3°27'	6°39'	13°14'	7°58'	7°55'	21°22'	26°28'	S 22
S 23	22 40 2	8°16'08"	4°23'23"	14°59'	6°53'	4°17'	25°51'	5°37'	3°28'	6°38'	13°14'	7°D58'	7°51'	21°29'	26°25'	S 23
M24	22 43 59	9°14'25"	16°11'	14° 1'	8° 5'	4°57'	25°44'	5°32'	3°28'	6°36'	13°13'	7°58'	7°48'	21°35'	26°22'	M24
T 25	22 47 55	10°12'43"	28° 0'	13° 1'	9°18'	5°37'	25°36'	5°28'	3°29'	6°34'	13°12'	7°58'	7°45'	21°42'	26°19'	T 25
W26	22 51 52	11°11'02"	9°15'11"	12° 1'	10°30'	6°18'	25°29'	5°23'	3°29'	6°33'	13°12'	7°R59'	7°42'	21°49'	26°16'	W26
T 27	22 55 48	12° 9'24"	21°46'	11° 0'	11°42'	6°58'	25°22'	5°19'	3°29'	6°31'	13°11'	7°58'	7°39'	21°55'	26°13'	T 27
F 28	22 59 45	13° 7'48"	3°14'48"	10° 2'	12°55'	7°38'	25°14'	5°14'	3°29'	6°29'	13°11'	7°58'	7°36'	22° 2'	26°10'	F 28
S 29	23 3 41	14° 6'13"	15°58'	9° 6'	14° 8'	8°19'	25° 7'	5°10'	3°29'	6°28'	13°10'	7°57'	7°32'	22° 9'	26° 7'	S 29
S 30	23 7 38	15° 4'41"	28°19'	8°16'	15°20'	8°59'	25° 0'	5° 5'	3°29'	6°26'	13°10'	7°56'	7°29'	22°15'	26° 5'	S 30
M31	23 11 34	16°13'10"	10°54'34"	7°13'31"	16°02'33"	9°14'40"	24°55'33"	5°11' 1'	3°R29'	6°12'55"	13°09' 9"	7°15'55"	7°12'26"	22°22'22"	26°22' 2'	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	15n47	5n 0	2n32	4n16	2s 6	22n 8	0s56	8s 9	0s19	13s 9	1s17	10s43	1s59	20n41	0s 9	9s45
S 2	15 29	10 37	3 27	3 46	2 17	22 6	0 53	8 24	0 20	13 12	1 17	10 45	2 0	20 42	0 9	9 46
M 3	15 11	15 56	4 14	3 18	2 27	22 2	0 49	8 39	0 20	13 15	1 17	10 47	2 0	20 42	0 9	9 46
T 4	14 53	20 42	4 49	2 52	2 38	21 58	0 46	8 54	0 21	13 18	1 18	10 48	2 0	20 42	0 9	9 47
W 5	14 35	24 37	5 11	2 26	2 48	21 54	0 43	9 9	0 22	13 21	1 18	10 50	2 0	20 42	0 9	9 48
T 6	14 16	27 19	5 16	2 3	2 59	21 49	0 40	9 24	0 23	13 24	1 18	10 52	2 0	20 43	0 9	9 48
F 7	13 57	28 27	5 3	1 41	3 9	21 43	0 36	9 39	0 24	13 26	1 18	10 53	2 0	20 43	0 9	9 49
S 8	13 38	27 42	4 31	1 21	3 19	21 37	0 33	9 53	0 25	13 29	1 18	10 55	2 0	20 43	0 9	9 49
S 9	13 19	25 1	3 41	1 3	3 28	21 30	0 30	10 8	0 24	13 32	1 18	10 57	2 0	20 43	0 9	9 50
M10	13 0	20 34	2 34	0 48	3 37	21 22	0 26	10 23	0 26	13 35	1 18	10 59	2 1	20 44	0 9	9 51
T 11	12 40	14 44	1 16	0 35	3 46	21 14	0 23	10 38	0 27	13 38	1 18	11 0	2 1	20 44	0 9	9 51
W12	12 20	8 1	0s 7	0 24	3 54	21 5	0 20	10 53	0 28	13 41	1 18	11 2	2 1	20 44	0 9	9 52
T 13	12 0	0 56	1 29	0 16	4 1	20 56	0 17	11 8	0 28	13 43	1 19	11 4	2 1	20 44	0 9	9 52
F 14	11 40	6s 3	2 44	0 12	4 8	20 46	0 13	11 22	0 29	13 46	1 19	11 6	2 1	20 44	0 9	9 53
S 15	11 19	12 31	3 46	0 10	4 13	20 35	0 10	11 37	0 30	13 49	1 19	11 8	2 1	20 44	0 9	9 54
S 16	10 59	18 11	4 33	0 12	4 18	20 24	0 7	11 52	0 31	13 52	1 19	11 9	2 1	20 45	0 9	9 54
M17	10 38	22 46	5 3	0 17	4 21	20 12	0 4	12 6	0 31	13 55	1 19	11 11	2 1	20 45	0 9	9 55
T 18	10 17	26 5	5 17	0 26	4 23	20 0	0 1	12 21	0 32	13 57	1 19	11 13	2 1	20 45	0 9	9 56
W19	9 56	27 59	5 14	0 39	4 24	19 47	0n 2	12 35	0 33	14 0	1 19	11 15	2 1	20 45	0 9	9 56
T 20	9 34	28 27	4 58	0 56	4 23	19 34	0 5	12 50	0 33	14 3	1 19	11 16	2 1	20 45	0 9	9 57
F 21	9 13	27 32	4 28	1 16	4 20	19 20	0 9	13 4	0 34	14 5	1 19	11 18	2 2	20 45	0 9	9 57
S 22	8 51	25 20	3 47	1 40	4 15	19 5	0 12	13 18	0 35	14 8	1 19	11 20	2 2	20 45	0 9	9 58
S 23	8 29	22 4	2 56	2 7	4 9	18 50	0 15	13 32	0 36	14 11	1 19	11 22	2 2	20 45	0 9	9 59
M24	8 8	17 54	1 58	2 37	4 0	18 34	0 17	13 47	0 36	14 13	1 19	11 23	2 2	20 46	0 9	9 59
T 25	7 46	13 4	0 55	3 9	3 50	18 18	0 20	14 1	0 37	14 16	1 19	11 25	2 2	20 46	0 9	10 0
W26	7 23	7 44	0n10	3 44	3 37	18 2	0 23	14 15	0 38	14 18	1 19	11 27	2 2	20 46	0 9	10 1
T 27	7 1	2 7	1 16	4 20	3 23	17 44	0 26	14 29	0 38	14 21	1 19	11 29	2 2	20 46	0 9	10 1
F 28	6 39	3n38	2 19	4 56	3 7	17 27	0 29	14 42	0 39	14 23	1 19	11 30	2 2	20 46	0 9	10 2
S 29	6 16	9 18	3 16	5 33	2 50	17 8	0 32	14 56	0 40	14 25	1 19	11 32	2 2	20 46	0 9	10 2
S 30	5 54	14 43	4 5	6 8	2 32	16 50	0 34	15 10	0 40	14 28	1 19	11 34	2 2	20 46	0 9	10 3
M31	5n31	19n36	4n43	6n43	2s13	16n30	0n37	15s24	0s41	14s30	1s19	11s35	2s 2	20n46	0s 9	10s 4

Julian Day Number = 2277545.5, Delta T = 239.04 sec

Ecliptic obliquity = 23°30'13", Nutation = 0°00'07", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°05'34", Lahiri = 17°12'34" Julian Calendar 1 Aug. 1523 == Greg. Calendar 11 Aug. 1523

ASTRODIENST EPHEMERIS for the year 1523  
geocentric

SEPTEMBER 1523 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day	
T 1	23 15 31	17 <sup>h</sup> 1'42	23 <sup>h</sup> 43	6°R54	17 <sup>h</sup> 46	10 <sup>h</sup> 21	24°R47	4°R56	3°R29	6°R23	13°R 9	7°R55	7 <sup>h</sup> 23	22 <sup>h</sup> 29	25°R59	T 1	
W 2	23 19 28	18° 0'16	6 <sup>h</sup> 11	6 <sup>h</sup> 24	18°59	11° 2	24 <sup>h</sup> 40	4 <sup>h</sup> 52	3 <sup>h</sup> 11	6 <sup>h</sup> 21	13 <sup>h</sup> 8	7 <sup>h</sup> 54	7°20	22°35	25 <sup>h</sup> 56	W 2	
T 3	23 23 24	18°58'53	20°18	6° 3	20°12	11°43	24°33	4°48	3°29	6°20	13° 8	7°D54	7°16	22°42	25°54	T 3	
F 4	23 27 21	19°57'31	4 <sup>h</sup> 48	6° 5	5°52	21°25	12°24	24°27	4°43	3°29	6°18	13° 7	7°54	7°13	22°49	25°51	F 4
S 5	23 31 17	20°56'12	18°15	5°D50	22°38	13° 5	24°21	4°39	3°29	6°17	13° 7	7°55	7°10	22°55	25°48	S 5	
S 6	23 35 14	21°54'56	2 <sup>h</sup> 45	5°58	23°51	13°46	24°15	4°35	3°28	6°15	13° 7	7°56	7° 7	23° 2	25°46	S 6	
M 7	23 39 10	22°53'41	17°31	6°16	25° 4	14°28	24° 9	4°30	3°28	6°13	13° 6	7°57	7° 4	23° 9	25°43	M 7	
T 8	23 43 7	23°52'29	2 <sup>h</sup> 28	6°43	26°17	15° 9	24° 3	4°26	3°28	6°12	13° 6	7°R57	7° 1	23°15	25°41	T 8	
W 9	23 47 3	24°51'18	17°28	7°20	27°31	15°51	23°57	4°22	3°27	6°10	13° 6	7°57	6°57	23°22	25°38	W 9	
T 10	23 51 0	25°50'10	2 <sup>h</sup> 23	8° 5	28°44	16°32	23°51	4°18	3°27	6° 9	13° 6	7°56	6°54	23°28	25°35	T 10	
F 11	23 54 57	26°49'03	17° 6	8°58	29°58	17°14	23°46	4°14	3°26	6° 7	13° 6	7°54	6°51	23°35	25°33	F 11	
S 12	23 58 53	27°47'59	1 <sup>h</sup> 28	9°59	1 <sup>h</sup> 11	17°56	23°40	4°10	3°26	6° 6	13° 5	7°52	6°48	23°42	25°31	S 12	
S 13	0 2 50	28°46'56	15°26	11° 7	2°25	18°38	23°35	4° 6	3°25	6° 4	13° 5	7°49	6°45	23°48	25°28	S 13	
M14	0 6 46	29°45'56	28°58	12°22	3°38	19°20	23°30	4° 2	3°24	6° 3	13° 5	7°46	6°42	23°55	25°26	M14	
T 15	0 10 43	0 <sup>h</sup> 44'57	12 <sup>h</sup> 3	13°41	4°52	20° 2	23°26	3°58	3°24	6° 1	13° 5	7°44	6°38	24° 2	25°24	T 15	
W16	0 14 39	1°44'00	24°44	15° 6	6° 6	20°44	23°21	3°54	3°23	6° 0	13°D 5	7°43	6°35	24° 8	25°21	W16	
T 17	0 18 36	2°43'04	7 <sup>h</sup> 3	16°35	7°20	21°26	23°16	3°51	3°22	5°58	13° 5	7°D43	6°32	24°15	25°19	T 17	
F 18	0 22 32	3°42'11	19°12	18° 7	8°33	22° 8	23°12	3°47	3°21	5°57	13° 5	7°44	6°29	24°22	25°17	F 18	
S 19	0 26 29	4°41'19	1 <sup>h</sup> 27	19°42	9°47	22°51	23° 8	3°43	3°20	5°56	13° 5	7°45	6°26	24°28	25°15	S 19	
S 20	0 30 26	5°40'29	12°56	21°20	11° 1	23°33	23° 4	3°40	3°19	5°54	13° 5	7°47	6°22	24°35	25°13	S 20	
M21	0 34 22	6°39'41	24°44	23° 0	12°15	24°16	23° 0	3°36	3°18	5°53	13° 5	7°49	6°19	24°42	25°11	M21	
T 22	0 38 19	7°38'55	6 <sup>h</sup> 34	24°41	13°29	24°58	22°57	3°33	3°17	5°52	13° 6	7°R49	6°16	24°48	25° 9	T 22	
W23	0 42 15	8°38'10	18°29	26°24	14°43	25°41	22°53	3°30	3°16	5°50	13° 6	7°49	6°13	24°55	25° 7	W23	
T 24	0 46 12	9°37'28	0 <sup>h</sup> 34	28° 7	15°57	26°24	22°50	3°27	3°15	5°49	13° 6	7°47	6°10	25° 2	25° 5	T 24	
F 25	0 50 8	10°36'47	12°48	29°52	17°11	27° 7	22°47	3°23	3°13	5°48	13° 6	7°43	6° 7	25° 8	25° 3	F 25	
S 26	0 54 5	11°36'09	25°15	1 <sup>h</sup> 36	18°26	27°50	22°44	3°20	3°12	5°46	13° 6	7°38	6° 3	25°15	25° 1	S 26	
S 27	0 58 1	12°35'33	7 <sup>h</sup> 54	3°21	19°40	28°33	22°42	3°17	3°11	5°45	13° 7	7°32	6° 0	25°21	25° 0	S 27	
M28	1 1 58	13°34'59	20°45	5° 5	20°54	29°16	22°39	3°14	3°10	5°44	13° 7	7°26	5°57	25°28	24°58	M28	
T 29	1 5 55	14°34'27	3 <sup>h</sup> 11	6°50	22° 9	29°59	22°37	3°11	3° 8	5°43	13° 7	7°20	5°54	25°35	24°56	T 29	
W30	1 9 51	15°33'58	17 <sup>h</sup> 11	8 <sup>h</sup> 35	23 <sup>h</sup> 23	0 <sup>h</sup> 42	22°35	3 <sup>h</sup> 9	3 <sup>h</sup> 11	5 <sup>h</sup> 41	13 <sup>h</sup> 8	7 <sup>h</sup> 15	5 <sup>h</sup> 51	25°41	24°55	W30	

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	5n 8	23n43	5n 7	7n15	1s54	16n11	0n40	15s37	0s41	14s32	1s19	11s37	2s 2	20n46	0s 9	10s 4	0s57	23s 6	0s15	8s38	8s49	15s19	6s59	6n17			
W 2	4 45	26 43	5 17	7 44	1 34	15 50	0 42	15 51	0 42	14 35	1 19	11 39	2 2	20 46	0 9	10 5	0 57	23 6	0 15	8 38	8 51	15 16	7 0	6 16			
T 3	4 22	28 18	5 10	8 10	1 14	15 30	0 45	16 4	0 43	14 37	1 19	11 40	2 2	20 46	0 9	10 5	0 57	23 6	0 15	8 38	8 52	15 13	7 1	6 16			
F 4	3 59	28 11	4 45	8 32	0 55	15 9	0 47	16 17	0 43	14 39	1 19	11 42	2 2	20 46	0 9	10 6	0 57	23 6	0 15	8 38	8 53	15 10	7 2	6 16			
S 5	3 36	26 15	4 2	8 51	0 36	14 47	0 49	16 30	0 44	14 41	1 19	11 43	2 2	20 46	0 9	10 7	0 57	23 6	0 15	8 37	8 54	15 7	7 3	6 16			
S 6	3 13	22 34	3 3	9 5	0 18	14 25	0 52	16 43	0 45	14 43	1 19	11 45	2 2	20 46	0 9	10 7	0 57	23 6	0 15	8 37	8 55	15 4	7 4	6 15			
M 7	2 50	17 23	1 51	9 14	0 0	14 3	0 54	16 56	0 45	14 45	1 19	11 46	2 2	20 46	0 9	10 8	0 57	23 6	0 15	8 37	8 56	15 1	7 5	6 15			
T 8	2 26	11 6	0 30	9 19	0n16	13 40	0 56	17 9	0 46	14 47	1 19	11 48	2 2	20 45	0 9	10 8	0 57	23 7	0 15	8 36	8 58	14 58	7 6	6 15			
W 9	2 3	4 10	0s52	9 19	0 31	13 17	0 58	17 22	0 46	14 49	1 19	11 49	2 2	20 45	0 9	10 9	0 57	23 7	0 15	8 37	8 59	14 55	7 7	6 15			
T 10	1 40	2s57	2 11	9 15	0 45	12 53	1 1	17 34	0 47	14 50	1 19	11 51	2 2	20 45	0 9	10 9	0 57	23 7	0 15	8 37	9 0	14 52	7 9	6 14			
F 11	1 16	9 48	3 20	9 7	0 57	12 30	1 3	17 47	0 47	14 52	1 19	11 52	2 2	20 45	0 9	10 10	0 57	23 7	0 15	8 38	9 1	14 49	7 10	6 14			
S 12	0 53	15 59	4 14	8 54	1 9	12 5	1 5	17 59	0 48	14 54	1 18	11 54	2 2	20 45	0 9	10 11	0 57	23 7	0 16	8 39	9 2	14 46	7 11	6 14			
S 13	0 29	21 9	4 52	8 37	1 19	11 41	1 7	18 12	0 49	14 56	1 18	11 55	2 2	20 45	0 9	10 11	0 57	23 7	0 16	8 40	9 4	14 43	7 12	6 14			
M14	0 6	25 2	5 11	8 17	1 27	11 16	1 8	18 24	0 49	14 57	1 18	11 57	2 2	20 45	0 9	10 12	0 57	23 7	0 16	8 41	9 5	14 40	7 13	6 13			
T 15	0s18	27 29	5 14	7 53	1 35	10 50	1 10	18 36	0 50	14 59	1 18	11 58	2 2	20 45	0 9	10 12	0 57	23 7	0 16	8 41	9 6	14 37	7 14	6 13			
W16	0 41	28 25	5 1	7 26	1 41	10 25	1 12	18 47	0 50	15 0	1 18	11 59	2 2	20 44	0 9	10 13	0 57	23 7	0 16	8 42	9 7	14 34	7 15	6 13			
T 17	1 5	27 53	4 35	6 56	1 46	9 59	1 14	18 59	0 51	15 1	1 18	12 1	2 2	20 44	0 9	10 13	0 57	23 7	0 16	8 42	9 8	14 31	7 16	6 13			
F 18	1 29	26 1	3 56	6 24	1 50	9 33	1 15	19 11	0 51	15 3	1 18	12 2	2 2	20 44	0 9	10 14	0 57	23 8	0 16	8 42	9 9	14 27	7 17	6 12			
S 19	1 52	23 2	3 8	5 49	1 53	9 6	1 17	19 22	0 52	15 4	1 18	12 3	2 1	20 44	0 9	10 14	0 57	23 8	0 16	8 41	9 11	14 24	7 18	6 12			
S 20	2 16	19 6	2 13	5 12	1 55	8 40	1 18	19 33	0 52	15 5	1 18	12 4	2 1	20 44	0 9	10 15	0 57	23 8	0 16	8 40	9 12	14 21	7 19	6 12			
M21	2 39	14 26	1 11	4 33	1 56	8 13	1 20	19 44	0 53	15 6	1 18	12 6	2 1	20 44	0 9	10 15	0 57	23 8	0 16	8 40	9 13	14 18	7 20	6 11			
T 22	3 3	9 14	0 7	3 53	1 56	7 45	1 21	19 55	0 53	15 7	1 17	12 7	2 1	20 43	0 9	10 16	0 57	23 8	0 16	8 40	9 14	14 15	7 21	6 11			
W23	3 26	3 40	0n58	3 12	1 55	7 18	1 22	20 6	0 54	15 8	1 17	12 8	2 1	20 43	0 9	10 16	0 57	23 8	0 17	8 40	9 15	14 12	7 22	6 11			
T 24	3 49	2n 5	2 1	2 29	1 54	6 50	1 23	20 17	0 54	15 9	1 17	12 9	2 1	20 43	0 9	10 17	0 57	23 8	0 17	8 41	9 17	14 9	7 23	6 10			
F 25	4 13	7 50	3 0	1 46	1 52	6 22	1 25	20 27	0 55	15 10	1 17	12 10	2 1	20 43	0 9	10 17	0 57	23 8	0 17	8 42	9 18	14 6	7 23	6 10			
S 26	4 36	13 22	3 50	1 2	1 50	5 54	1 26	20 38	0 55	15 11	1 17	12 11	2 1	20 43	0 9	10 18	0 57	23 8	0 17	8 44	9 19	14 3	7 24	6 10			
S 27	4 59	18 26	4 30	0 18	1 47	5 26	1 27	20 48	0 56	15 12	1 17	12 12	2 1	20 42	0 9	10 18	0 57	23 8	0 17	8 46	9 20	14 0	7 25	6 9			
M28	5 22	22 46	4 58	0s27	1 43	4 57	1 28	20 58	0 56	15 12	1 17	12 13	2 1	20 42	0 9	10 19	0 57	23 8	0 17	8 48	9 21	13 57	7 26	6 9			
T 29	5 46	26 3	5 10	1 12	1 39	4 29	1 28	21 7	0 57	15 13	1 17	12 14	2 1	20 42	0 9	10 19	0 57	23 8	0 17	8 50	9 22	13 54	7 27	6 9			
W30	6s 9	27n57	5n 6	1s57	1n35	4n 0	1n29	21s17	0s57	15s14	1s16	12s15	2s 1	20n41	0s 9	10s19	0s56	23s 8	0s17	8s52	9s24	13s51	7s28	6n 8			

ASTRODIENST EPHEMERIS for the year 1523  
geocentric

OCTOBER 1523 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	1 13 48	16♌33'31	0♌39	10♌19	24♏37	1♌26	22°R33	3°R 6	3°R 5	5°R40	13♌8	7°R12	5♏47	25♏48	24°R53	T 1
F 2	1 17 44	17°33'06	14°23	12° 2	25°52	2° 9	22♌31	3♏3	3♏4	5♏39	13° 9	7°D11	5°44	25°55	24♌52	F 2
S 3	1 21 41	18°32'44	28°22	13°46	27° 6	2°53	22°30	3° 1	3° 2	5°38	13° 9	7♏11	5°41	26° 1	24°50	S 3
S 4	1 25 37	19°32'24	12♌34	15°29	28°21	3°36	22°29	2°58	3° 1	5°37	13°10	7°13	5°38	26° 8	24°49	S 4
M 5	1 29 34	20°32'06	26°58	17°11	29°36	4°20	22°28	2°56	2°59	5°36	13°10	7°14	5°35	26°15	24°47	M 5
T 6	1 33 30	21°31'50	11♏31	18°53	0♌50	5° 4	22°27	2°54	2°57	5°35	13°11	7°R14	5°32	26°21	24°46	T 6
W 7	1 37 27	22°31'37	26° 8	20°34	2° 5	5°47	22°26	2°52	2°55	5°34	13°11	7°13	5°28	26°28	24°45	W 7
T 8	1 41 24	23°31'25	10♌45	22°15	3°20	6°31	22°26	2°50	2°54	5°33	13°12	7° 9	5°25	26°35	24°44	T 8
F 9	1 45 20	24°31'16	25°14	23°55	4°34	7°15	22°26	2°48	2°52	5°32	13°13	7° 3	5°22	26°41	24°43	F 9
S 10	1 49 17	25°31'09	9♏29	25°34	5°49	7°59	22°D26	2°46	2°50	5°31	13°13	6°56	5°19	26°48	24°42	S 10
S 11	1 53 13	26°31'04	23°25	27°14	7° 4	8°43	22°26	2°44	2°48	5°30	13°14	6°47	5°16	26°55	24°41	S 11
M12	1 57 10	27°31'00	6♌57	28°52	8°19	9°28	22°26	2°42	2°46	5°29	13°15	6°39	5°13	27° 1	24°40	M12
T 13	2 1 6	28°30'59	20° 5	0♏30	9°34	10°12	22°27	2°41	2°44	5°28	13°16	6°31	5° 9	27° 8	24°39	T 13
W14	2 5 3	29°30'59	2♌49	2° 8	10°49	10°56	22°28	2°39	2°42	5°28	13°16	6°26	5° 6	27°14	24°38	W14
T 15	2 8 59	0♏31'00	15°12	3°45	12° 4	11°41	22°29	2°38	2°40	5°27	13°17	6°22	5° 3	27°21	24°37	T 15
F 16	2 12 56	1°31'04	27°19	5°21	13°19	12°25	22°30	2°36	2°38	5°26	13°18	6°D21	5° 0	27°28	24°37	F 16
S 17	2 16 53	2°31'09	9♏14	6°57	14°33	13°10	22°31	2°35	2°36	5°25	13°19	6°21	4°57	27°34	24°36	S 17
S 18	2 20 49	3°31'15	21° 3	8°33	15°48	13°54	22°33	2°34	2°34	5°25	13°20	6°22	4°53	27°41	24°36	S 18
M19	2 24 46	4°31'23	2♏51	10° 8	17° 3	14°39	22°35	2°33	2°32	5°24	13°21	6°R23	4°50	27°48	24°35	M19
T 20	2 28 42	5°31'33	14°43	11°43	18°19	15°23	22°37	2°32	2°30	5°23	13°22	6°22	4°47	27°54	24°35	T 20
W21	2 32 39	6°31'44	26°43	13°17	19°34	16° 8	22°39	2°32	2°28	5°23	13°23	6°20	4°44	28° 1	24°34	W21
T 22	2 36 35	7°31'57	8♏56	14°51	20°49	16°53	22°41	2°31	2°25	5°22	13°24	6°15	4°41	28° 8	24°34	T 22
F 23	2 40 32	8°32'11	21°24	16°25	22° 4	17°38	22°44	2°30	2°23	5°22	13°25	6° 8	4°38	28°14	24°34	F 23
S 24	2 44 28	9°32'27	4♏8	17°58	23°19	18°23	22°47	2°30	2°21	5°21	13°26	5°58	4°34	28°21	24°34	S 24
S 25	2 48 25	10°32'45	17° 8	19°31	24°34	19° 8	22°50	2°29	2°19	5°21	13°27	5°47	4°31	28°28	24°33	S 25
M26	2 52 21	11°33'05	0♏23	21° 3	25°49	19°53	22°53	2°29	2°16	5°20	13°28	5°35	4°28	28°34	24°D33	M26
T 27	2 56 18	12°33'27	13°51	22°36	27° 4	20°38	22°56	2°29	2°14	5°20	13°29	5°24	4°25	28°41	24°33	T 27
W28	3 0 15	13°33'50	27°30	24° 8	28°20	21°23	23° 0	2°D29	2°12	5°19	13°30	5°15	4°22	28°48	24°33	W28
T 29	3 4 11	14°34'15	11♌18	25°39	29°35	22° 9	23° 3	2°29	2° 9	5°19	13°32	5° 8	4°19	28°54	24°34	T 29
F 30	3 8 8	15°34'43	25°12	27°11	0♏50	22°54	23° 7	2°29	2° 7	5°19	13°33	5° 4	4°15	29° 1	24°34	F 30
S 31	3 12 4	16♏35'12	9♏11	28♏42	2♏5	23♌39	23♌12	2♏29	2♏5	5♏18	13♌34	5♏3	4♏12	29♌7	24♌34	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	6s32	28n15	4n45	2s43	1n30	3n31	1n30	21s26	0s58	15s14	1s16	12s16	2s 1	20n41	0s 9	10s20
F 2	6 54	26 50	4 8	3 28	1 25	3 2	1 30	21 36	0 58	15 14	1 16	12 17	2 0	20 41	0 9	10 20
S 3	7 17	23 44	3 15	4 13	1 20	2 33	1 31	21 45	0 58	15 15	1 16	12 18	2 0	20 41	0 9	10 21
S 4	7 40	19 9	2 10	4 58	1 14	2 3	1 31	21 54	0 59	15 15	1 16	12 19	2 0	20 40	0 9	10 21
M 5	8 2	13 26	0 55	5 43	1 9	1 34	1 32	22 2	0 59	15 15	1 16	12 19	2 0	20 40	0 9	10 21
T 6	8 25	6 55	0s23	6 27	1 3	1 4	1 32	22 11	1 0	15 15	1 15	12 20	2 0	20 40	0 9	10 22
W 7	8 47	0 0	1 41	7 11	0 57	0 35	1 32	22 19	1 0	15 15	1 15	12 21	2 0	20 39	0 9	10 22
T 8	9 10	6s53	2 51	7 54	0 50	0 5	1 33	22 27	1 0	15 15	1 15	12 21	2 0	20 39	0 9	10 23
F 9	9 32	13 21	3 50	8 37	0 44	0s24	1 33	22 35	1 1	15 15	1 15	12 22	2 0	20 39	0 9	10 23
S 10	9 54	19 0	4 33	9 20	0 37	0 54	1 33	22 42	1 1	15 15	1 15	12 23	2 0	20 38	0 9	10 23
S 11	10 15	23 30	4 59	10 2	0 31	1 24	1 33	22 50	1 2	15 15	1 15	12 23	2 0	20 38	0 9	10 24
M12	10 37	26 34	5 7	10 43	0 24	1 53	1 33	22 57	1 2	15 15	1 15	12 24	1 59	20 38	0 9	10 24
T 13	10 59	28 6	4 59	11 24	0 18	2 23	1 32	23 4	1 2	15 14	1 14	12 24	1 59	20 37	0 9	10 24
W14	11 20	28 4	4 35	12 4	0 11	2 53	1 32	23 11	1 3	15 14	1 14	12 24	1 59	20 37	0 9	10 24
T 15	11 41	26 36	4 0	12 44	0 4	3 22	1 32	23 17	1 3	15 13	1 14	12 25	1 59	20 36	0 9	10 25
F 16	12 2	23 55	3 14	13 23	0s 2	3 52	1 32	23 23	1 3	15 13	1 14	12 25	1 59	20 36	0 9	10 25
S 17	12 23	20 15	2 20	14 1	0 9	4 21	1 31	23 29	1 4	15 12	1 14	12 26	1 59	20 36	0 9	10 25
S 18	12 43	15 48	1 21	14 38	0 16	4 51	1 31	23 35	1 4	15 12	1 14	12 26	1 59	20 35	0 9	10 25
M19	13 4	10 47	0 19	15 15	0 23	5 20	1 30	23 41	1 4	15 11	1 13	12 26	1 58	20 35	0 9	10 26
T 20	13 24	5 21	0n45	15 51	0 29	5 49	1 29	23 46	1 5	15 10	1 13	12 26	1 58	20 34	0 9	10 26
W21	13 44	0n20	1 47	16 26	0 36	6 18	1 29	23 51	1 5	15 9	1 13	12 26	1 58	20 34	0 9	10 26
T 22	14 4	6 5	2 45	17 0	0 42	6 47	1 28	23 56	1 5	15 8	1 13	12 26	1 58	20 34	0 9	10 26
F 23	14 23	11 42	3 36	17 34	0 49	7 16	1 27	24 1	1 5	15 7	1 13	12 27	1 58	20 33	0 9	10 26
S 24	14 42	16 58	4 18	18 7	0 55	7 45	1 26	24 5	1 6	15 6	1 13	12 27	1 58	20 33	0 9	10 27
S 25	15 2	21 35	4 47	18 38	1 1	8 13	1 25	24 9	1 6	15 5	1 12	12 27	1 58	20 32	0 9	10 27
M26	15 20	25 12	5 1	19 9	1 7	8 42	1 24	24 13	1 6	15 4	1 12	12 27	1 58	20 32	0 9	10 27
T 27	15 39	27 29	4 59	19 39	1 13	9 10	1 23	24 17	1 7	15 2	1 12	12 27	1 57	20 31	0 9	10 27
W28	15 57	28 9	4 40	20 8	1 19	9 38	1 22	24 20	1 7	15 1	1 12	12 26	1 57	20 31	0 9	10 27
T 29	16 15	27 5	4 5	20 36	1 25	10 6	1 21	24 23	1 7	15 0	1 12	12 26	1 57	20 30	0 9	10 27
F 30	16 33	24 21	3 15	21 3	1 30	10 33	1 19	24 26	1 7	14 58	1 12	12 26	1 57	20 30	0 9	10 27
S 31	16s50	20n 8	2n13	21s29	1s36	11s 1	1n18	24s28	1s 7	14s57	1s11	12s26	1s57	20n29	0s 9	10s27

Julian Day Number = 2277606.5, Delta T = 238.66 sec  
Ecliptic obliquity = 23°30'13, Nutation = 0°00'06, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 18°05'42, Lahiri = 17°12'43 Julian Calendar 1 Oct. 1523 == Greg. Calendar 11 Oct. 1523

# ASTRODIENST EPHEMERIS for the year 1523

## geocentric

NOVEMBER 1523 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	3 16 1	17 <sup>h</sup> 35'43	23 <sup>h</sup> 15'	0 <sup>h</sup> 12'	3 <sup>h</sup> 21'	24 <sup>h</sup> 25'	23 <sup>h</sup> 16'	2 <sup>h</sup> 30'	2 <sup>h</sup> R 2	5 <sup>h</sup> R18	13 <sup>h</sup> 35'	5 <sup>h</sup> D 3	4 <sup>h</sup> 9	29 <sup>h</sup> 14'	24 <sup>h</sup> 34'	S 1
M 2	3 19 57	18 <sup>h</sup> 36'15	7 <sup>h</sup> 22'	1 <sup>h</sup> 43'	4 <sup>h</sup> 36'	25 <sup>h</sup> 10'	23 <sup>h</sup> 20'	2 <sup>h</sup> 30'	2 <sup>h</sup> II 0	5 <sup>h</sup> 18	13 <sup>h</sup> 37'	5 <sup>h</sup> R 3	4 <sup>h</sup> 6	29 <sup>h</sup> 21'	24 <sup>h</sup> 35'	M 2
T 3	3 23 54	19 <sup>h</sup> 36'50	21 <sup>h</sup> 33'	3 <sup>h</sup> 13'	5 <sup>h</sup> 51'	25 <sup>h</sup> 56'	23 <sup>h</sup> 25'	2 <sup>h</sup> 31'	1 <sup>h</sup> 57	5 <sup>h</sup> 18	13 <sup>h</sup> 38'	5 <sup>h</sup> 2	4 <sup>h</sup> 3	29 <sup>h</sup> 27'	24 <sup>h</sup> 35'	T 3
W 4	3 27 51	20 <sup>h</sup> 37'26	5 <sup>h</sup> 44'	4 <sup>h</sup> 43'	7 <sup>h</sup> 7	26 <sup>h</sup> 41'	23 <sup>h</sup> 30'	2 <sup>h</sup> 32'	1 <sup>h</sup> 55	5 <sup>h</sup> 18	13 <sup>h</sup> 39'	4 <sup>h</sup> 59	3 <sup>h</sup> 59	29 <sup>h</sup> 34'	24 <sup>h</sup> 36'	W 4
T 5	3 31 47	21 <sup>h</sup> 38'04	19 <sup>h</sup> 54'	6 <sup>h</sup> 12'	8 <sup>h</sup> 22'	27 <sup>h</sup> 27'	23 <sup>h</sup> 35'	2 <sup>h</sup> 32'	1 <sup>h</sup> 52	5 <sup>h</sup> 18	13 <sup>h</sup> 41'	4 <sup>h</sup> 53	3 <sup>h</sup> 56	29 <sup>h</sup> 41'	24 <sup>h</sup> 36'	T 5
F 6	3 35 44	22 <sup>h</sup> 38'44	3 <sup>h</sup> 59	7 <sup>h</sup> 41'	9 <sup>h</sup> 37'	28 <sup>h</sup> 13'	23 <sup>h</sup> 40'	2 <sup>h</sup> 33'	1 <sup>h</sup> 50	5 <sup>h</sup> 18	13 <sup>h</sup> 42'	4 <sup>h</sup> 44	3 <sup>h</sup> 53	29 <sup>h</sup> 47'	24 <sup>h</sup> 37'	F 6
S 7	3 39 40	23 <sup>h</sup> 39'25	17 <sup>h</sup> 53'	9 <sup>h</sup> 10'	10 <sup>h</sup> 53'	28 <sup>h</sup> 59'	23 <sup>h</sup> 46'	2 <sup>h</sup> 34'	1 <sup>h</sup> 47	5 <sup>h</sup> 17	13 <sup>h</sup> 44'	4 <sup>h</sup> 32	3 <sup>h</sup> 50	29 <sup>h</sup> 54'	24 <sup>h</sup> 38'	S 7
S 8	3 43 37	24 <sup>h</sup> 40'08	1 <sup>h</sup> 33'	10 <sup>h</sup> 38'	12 <sup>h</sup> 8	29 <sup>h</sup> 44'	23 <sup>h</sup> 51'	2 <sup>h</sup> 35'	1 <sup>h</sup> 45	5 <sup>h</sup> D17	13 <sup>h</sup> 45'	4 <sup>h</sup> 19	3 <sup>h</sup> 47	0 <sup>h</sup> 1	24 <sup>h</sup> 38'	S 8
M 9	3 47 33	25 <sup>h</sup> 40'52	14 <sup>h</sup> 55'	12 <sup>h</sup> 6	13 <sup>h</sup> 24	0 <sup>h</sup> 30	23 <sup>h</sup> 57'	2 <sup>h</sup> 37'	1 <sup>h</sup> 42	5 <sup>h</sup> 17	13 <sup>h</sup> 46'	4 <sup>h</sup> 6	3 <sup>h</sup> 44	0 <sup>h</sup> 7	24 <sup>h</sup> 39'	M 9
T 10	3 51 30	26 <sup>h</sup> 41'38	27 <sup>h</sup> 57'	13 <sup>h</sup> 33'	14 <sup>h</sup> 39'	1 <sup>h</sup> 16	24 <sup>h</sup> 3	2 <sup>h</sup> 38'	1 <sup>h</sup> 40	5 <sup>h</sup> 18	13 <sup>h</sup> 48'	3 <sup>h</sup> 54	3 <sup>h</sup> 40	0 <sup>h</sup> 14	24 <sup>h</sup> 40'	T 10
W11	3 55 26	27 <sup>h</sup> 42'25	10 <sup>h</sup> 38'	15 <sup>h</sup> 0	15 <sup>h</sup> 54	2 <sup>h</sup> 2	24 <sup>h</sup> 9	2 <sup>h</sup> 39'	1 <sup>h</sup> 37	5 <sup>h</sup> 18	13 <sup>h</sup> 49'	3 <sup>h</sup> 44	3 <sup>h</sup> 37	0 <sup>h</sup> 21	24 <sup>h</sup> 41'	W11
T 12	3 59 23	28 <sup>h</sup> 43'12	23 <sup>h</sup> 1	16 <sup>h</sup> 26	17 <sup>h</sup> 10	2 <sup>h</sup> 48	24 <sup>h</sup> 15	2 <sup>h</sup> 41	1 <sup>h</sup> 35	5 <sup>h</sup> 18	13 <sup>h</sup> 51'	3 <sup>h</sup> 37	3 <sup>h</sup> 34	0 <sup>h</sup> 27	24 <sup>h</sup> 42'	T 12
F 13	4 3 20	29 <sup>h</sup> 44'01	5 <sup>h</sup> 3	17 <sup>h</sup> 51	18 <sup>h</sup> 25	3 <sup>h</sup> 34	24 <sup>h</sup> 22	2 <sup>h</sup> 43	1 <sup>h</sup> 32	5 <sup>h</sup> 18	13 <sup>h</sup> 52'	3 <sup>h</sup> 33	3 <sup>h</sup> 31	0 <sup>h</sup> 34	24 <sup>h</sup> 43'	F 13
S 14	4 7 16	0 <sup>h</sup> 44'51	17 <sup>h</sup> 3	19 <sup>h</sup> 15	19 <sup>h</sup> 41	4 <sup>h</sup> 20	24 <sup>h</sup> 29	2 <sup>h</sup> 44	1 <sup>h</sup> 30	5 <sup>h</sup> 18	13 <sup>h</sup> 54'	3 <sup>h</sup> 31	3 <sup>h</sup> 28	0 <sup>h</sup> 40	24 <sup>h</sup> 44'	S 14
S 15	4 11 13	1 <sup>h</sup> 45'41	28 <sup>h</sup> 51	20 <sup>h</sup> 38	20 <sup>h</sup> 56	5 <sup>h</sup> 7	24 <sup>h</sup> 35	2 <sup>h</sup> 46	1 <sup>h</sup> 27	5 <sup>h</sup> 18	13 <sup>h</sup> 56'	3 <sup>h</sup> 31	3 <sup>h</sup> 25	0 <sup>h</sup> 47	24 <sup>h</sup> 45'	S 15
M16	4 15 9	2 <sup>h</sup> 46'33	10 <sup>h</sup> 39	22 <sup>h</sup> 0	22 <sup>h</sup> 12	5 <sup>h</sup> 53	24 <sup>h</sup> 42	2 <sup>h</sup> 48	1 <sup>h</sup> 25	5 <sup>h</sup> 19	13 <sup>h</sup> 57'	3 <sup>h</sup> 31	3 <sup>h</sup> 21	0 <sup>h</sup> 54	24 <sup>h</sup> 47'	M16
T 17	4 19 6	3 <sup>h</sup> 47'25	22 <sup>h</sup> 31	23 <sup>h</sup> 20	23 <sup>h</sup> 27	6 <sup>h</sup> 39	24 <sup>h</sup> 49	2 <sup>h</sup> 50	1 <sup>h</sup> 22	5 <sup>h</sup> 19	13 <sup>h</sup> 59'	3 <sup>h</sup> 30	3 <sup>h</sup> 18	1 <sup>h</sup> 0	24 <sup>h</sup> 48'	T 17
W18	4 23 2	4 <sup>h</sup> 48'18	4 <sup>h</sup> 34	24 <sup>h</sup> 39	24 <sup>h</sup> 43	7 <sup>h</sup> 25	24 <sup>h</sup> 57	2 <sup>h</sup> 52	1 <sup>h</sup> 19	5 <sup>h</sup> 19	14 <sup>h</sup> 0	3 <sup>h</sup> 27	3 <sup>h</sup> 15	1 <sup>h</sup> 7	24 <sup>h</sup> 49'	W18
T 19	4 26 59	5 <sup>h</sup> 49'12	16 <sup>h</sup> 51	25 <sup>h</sup> 56	25 <sup>h</sup> 58	8 <sup>h</sup> 12	25 <sup>h</sup> 4	2 <sup>h</sup> 54	1 <sup>h</sup> 17	5 <sup>h</sup> 20	14 <sup>h</sup> 2	3 <sup>h</sup> 22	3 <sup>h</sup> 12	1 <sup>h</sup> 14	24 <sup>h</sup> 51'	T 19
F 20	4 30 55	6 <sup>h</sup> 50'07	29 <sup>h</sup> 27	27 <sup>h</sup> 10	27 <sup>h</sup> 14	8 <sup>h</sup> 58	25 <sup>h</sup> 12	2 <sup>h</sup> 57	1 <sup>h</sup> 14	5 <sup>h</sup> 20	14 <sup>h</sup> 4	3 <sup>h</sup> 14	3 <sup>h</sup> 9	1 <sup>h</sup> 20	24 <sup>h</sup> 52'	F 20
S 21	4 34 52	7 <sup>h</sup> 51'03	12 <sup>h</sup> 24	28 <sup>h</sup> 23	28 <sup>h</sup> 29	9 <sup>h</sup> 45	25 <sup>h</sup> 20	2 <sup>h</sup> 59	1 <sup>h</sup> 12	5 <sup>h</sup> 21	14 <sup>h</sup> 6	3 <sup>h</sup> 3	3 <sup>h</sup> 5	1 <sup>h</sup> 27	24 <sup>h</sup> 54'	S 21
S 22	4 38 49	8 <sup>h</sup> 51'59	25 <sup>h</sup> 42	29 <sup>h</sup> 32	29 <sup>h</sup> 44	10 <sup>h</sup> 31	25 <sup>h</sup> 27	3 <sup>h</sup> 2	1 <sup>h</sup> 9	5 <sup>h</sup> 21	14 <sup>h</sup> 7	2 <sup>h</sup> 51	3 <sup>h</sup> 2	1 <sup>h</sup> 34	24 <sup>h</sup> 55'	S 22
M23	4 42 45	9 <sup>h</sup> 52'57	9 <sup>h</sup> 20	0 <sup>h</sup> 38	1 <sup>h</sup> 0	11 <sup>h</sup> 18	25 <sup>h</sup> 35	3 <sup>h</sup> 4	1 <sup>h</sup> 7	5 <sup>h</sup> 22	14 <sup>h</sup> 9	2 <sup>h</sup> 38	2 <sup>h</sup> 59	1 <sup>h</sup> 40	24 <sup>h</sup> 57'	M23
T 24	4 46 42	10 <sup>h</sup> 53'56	23 <sup>h</sup> 14	1 <sup>h</sup> 40	2 <sup>h</sup> 15	12 <sup>h</sup> 4	25 <sup>h</sup> 44	3 <sup>h</sup> 7	1 <sup>h</sup> 4	5 <sup>h</sup> 22	14 <sup>h</sup> 11	2 <sup>h</sup> 25	2 <sup>h</sup> 56	1 <sup>h</sup> 47	24 <sup>h</sup> 59'	T 24
W25	4 50 38	11 <sup>h</sup> 54'55	7 <sup>h</sup> 20	2 <sup>h</sup> 37	3 <sup>h</sup> 31	12 <sup>h</sup> 51	25 <sup>h</sup> 52	3 <sup>h</sup> 10	1 <sup>h</sup> 2	5 <sup>h</sup> 23	14 <sup>h</sup> 12	2 <sup>h</sup> 15	2 <sup>h</sup> 53	1 <sup>h</sup> 54	25 <sup>h</sup> 1	W25
T 26	4 54 35	12 <sup>h</sup> 55'56	21 <sup>h</sup> 34	3 <sup>h</sup> 30	4 <sup>h</sup> 46	13 <sup>h</sup> 37	26 <sup>h</sup> 0	3 <sup>h</sup> 13	0 <sup>h</sup> 59	5 <sup>h</sup> 23	14 <sup>h</sup> 14	2 <sup>h</sup> 7	2 <sup>h</sup> 50	2 <sup>h</sup> 0	25 <sup>h</sup> 2	T 26
F 27	4 58 31	13 <sup>h</sup> 56'57	5 <sup>h</sup> 49	4 <sup>h</sup> 17	6 <sup>h</sup> 2	14 <sup>h</sup> 24	26 <sup>h</sup> 9	3 <sup>h</sup> 16	0 <sup>h</sup> 57	5 <sup>h</sup> 24	14 <sup>h</sup> 16	2 <sup>h</sup> 2	2 <sup>h</sup> 46	2 <sup>h</sup> 7	25 <sup>h</sup> 4	F 27
S 28	5 2 28	14 <sup>h</sup> 57'59	20 <sup>h</sup> 4	4 <sup>h</sup> 57	7 <sup>h</sup> 17	15 <sup>h</sup> 11	26 <sup>h</sup> 18	3 <sup>h</sup> 19	0 <sup>h</sup> 55	5 <sup>h</sup> 25	14 <sup>h</sup> 18	2 <sup>h</sup> 0	2 <sup>h</sup> 43	2 <sup>h</sup> 14	25 <sup>h</sup> 6	S 28
S 29	5 6 24	15 <sup>h</sup> 59'03	4 <sup>h</sup> 14	5 <sup>h</sup> 29	8 <sup>h</sup> 33	15 <sup>h</sup> 57	26 <sup>h</sup> 27	3 <sup>h</sup> 22	0 <sup>h</sup> 52	5 <sup>h</sup> 26	14 <sup>h</sup> 20	1 <sup>h</sup> D59	2 <sup>h</sup> 40	2 <sup>h</sup> 20	25 <sup>h</sup> 8	S 29
M30	5 10 21	17 <sup>h</sup> 0'07	18 <sup>h</sup> 19	5 <sup>h</sup> 53	9 <sup>h</sup> 49	16 <sup>h</sup> 34	26 <sup>h</sup> 36	3 <sup>h</sup> 26	0 <sup>h</sup> II50	5 <sup>h</sup> 25	14 <sup>h</sup> 21	1 <sup>h</sup> R59	2 <sup>h</sup> 37	2 <sup>h</sup> 17	25 <sup>h</sup> 10	M30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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ASTRODIENST EPHEMERIS for the year 1523  
geocentric

DECEMBER 1523 JC

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	5 14 18	18°12'12	2°18'18	6°8'8	11°4'4	17°31'31	26°45'45	3°29'29	0°47'47	5°27'27	14°23'23	1°59'59	2°34'34	2°33'33	25°12'12	T 1
W 2	5 18 14	19°2'18	16°11'11	6°13'13	12°20'20	18°18'18	26°54'54	3°32'32	0°45'45	5°28'28	14°25'25	1°56'56	2°31'31	2°40'40	25°15'15	W 2
T 3	5 22 11	20°3'26	29°57'57	6°7'7	13°35'35	19°5'5	27°4'4	3°36'36	0°43'43	5°29'29	14°27'27	1°50'50	2°27'27	2°47'47	25°17'17	T 3
F 4	5 26 7	21°4'34	13°13'34	5°50'50	14°51'51	19°51'51	27°13'13	3°40'40	0°40'40	5°29'29	14°29'29	1°42'42	2°24'24	2°53'53	25°19'19	F 4
S 5	5 30 4	22°5'42	27°2'2	5°21'21	16°6'6	20°38'38	27°23'23	3°43'43	0°38'38	5°30'30	14°31'31	1°31'31	2°21'21	3°0'0	25°21'21	S 5
S 6	5 34 0	23°6'52	10°18'18	4°40'40	17°22'22	21°25'25	27°33'33	3°47'47	0°36'36	5°31'31	14°33'33	1°19'19	2°18'18	3°7'7	25°24'24	S 6
M 7	5 37 57	24°8'02	23°20'20	3°49'49	18°37'37	22°12'12	27°43'43	3°51'51	0°33'33	5°32'32	14°35'35	1°7'7	2°15'15	3°13'13	25°26'26	M 7
T 8	5 41 54	25°9'12	6°3'7	2°47'47	19°53'53	22°59'59	27°53'53	3°55'55	0°31'31	5°33'33	14°37'37	0°55'55	2°11'11	3°20'20	25°29'29	T 8
W 9	5 45 50	26°10'22	18°39'39	1°36'36	21°8'8	23°46'46	28°3'3	3°59'59	0°29'29	5°34'34	14°38'38	0°46'46	2°8'8	3°27'27	25°31'31	W 9
T 10	5 49 47	27°11'33	0°55'55	0°19'19	22°24'24	24°33'33	28°13'13	4°4'4	0°27'27	5°35'35	14°40'40	0°39'39	2°5'5	3°33'33	25°34'34	T 10
F 11	5 53 43	28°12'44	12°59'59	28°58'58	23°39'39	25°21'21	28°24'24	4°8'8	0°25'25	5°37'37	14°42'42	0°34'34	2°2'2	3°40'40	25°36'36	F 11
S 12	5 57 40	29°13'55	24°52'52	27°36'36	24°55'55	26°8'8	28°34'34	4°12'12	0°22'22	5°38'38	14°44'44	0°33'33	1°59'59	3°47'47	25°39'39	S 12
S 13	6 1 36	0°15'06	6°40'40	26°15'15	26°10'10	26°55'55	28°45'45	4°17'17	0°20'20	5°39'39	14°46'46	0°D33	1°56'56	3°53'53	25°42'42	S 13
M14	6 5 33	1°16'17	18°27'27	24°59'59	27°26'26	27°42'42	28°56'56	4°21'21	0°18'18	5°40'40	14°48'48	0°33'33	1°52'52	4°0'0	25°45'45	M14
T 15	6 9 29	2°17'27	0°18'18	23°48'48	28°41'41	28°29'29	29°7'7	4°26'26	0°16'16	5°41'41	14°50'50	0°R34	1°49'49	4°6'6	25°47'47	T 15
W16	6 13 26	3°18'38	12°19'19	22°46'46	29°57'57	29°16'16	29°18'18	4°31'31	0°14'14	5°42'42	14°52'52	0°33'33	1°46'46	4°13'13	25°50'50	W16
T 17	6 17 23	4°19'48	24°36'36	21°52'52	1°12'12	0°4'4	29°29'29	4°35'35	0°12'12	5°44'44	14°54'54	0°31'31	1°43'43	4°20'20	25°53'53	T 17
F 18	6 21 19	5°20'58	7°8'12	21°9'9	2°28'28	0°51'51	29°40'40	4°40'40	0°10'10	5°45'45	14°56'56	0°27'27	1°40'40	4°26'26	25°56'56	F 18
S 19	6 25 16	6°22'08	20°12'12	20°36'36	3°43'43	1°38'38	29°51'51	4°45'45	0°8'8	5°46'46	14°58'58	0°20'20	1°37'37	4°33'33	25°59'59	S 19
S 20	6 29 12	7°23'17	3°13'37	20°13'13	4°59'59	2°25'25	0°3'3	4°50'50	0°6'6	5°48'48	15°0'0	0°11'11	1°33'33	4°40'40	26°2'2	S 20
M21	6 33 9	8°24'27	17°27'27	20°0'0	6°14'14	3°13'13	0°14'14	4°55'55	0°5'5	5°49'49	15°2'2	0°2'2	1°30'30	4°46'46	26°5'5	M21
T 22	6 37 5	9°25'36	1°40'40	19°D57	7°30'30	4°0'0	0°26'26	5°0'0	0°3'3	5°51'51	15°4'4	29°54'54	1°27'27	4°53'53	26°8'8	T 22
W23	6 41 2	10°26'45	16°10'10	20°2'2	8°45'45	4°47'47	0°38'38	5°5'5	0°1'1	5°52'52	15°6'6	29°46'46	1°24'24	5°0'0	26°11'11	W23
T 24	6 44 58	11°27'54	0°51'51	20°15'15	10°1'1	5°35'35	0°49'49	5°11'11	29°59'59	5°54'54	15°8'8	29°41'41	1°21'21	5°6'6	26°15'15	T 24
F 25	6 48 55	12°29'02	15°34'34	20°36'36	11°16'16	6°22'22	1°1'1	5°16'16	29°58'58	5°55'55	15°10'10	29°38'38	1°17'17	5°13'13	26°18'18	F 25
S 26	6 52 52	13°30'10	0°14'14	21°4'4	12°32'32	7°9'9	1°13'13	5°21'21	29°56'56	5°57'57	15°12'12	29°D37	1°14'14	5°20'20	26°21'21	S 26
S 27	6 56 48	14°31'19	14°44'44	21°38'38	13°47'47	7°57'57	1°25'25	5°27'27	29°54'54	5°58'58	15°14'14	29°38'38	1°11'11	5°26'26	26°24'24	S 27
M28	7 0 45	15°32'27	29°2'2	22°17'17	15°3'3	8°44'44	1°37'37	5°33'33	29°53'53	6°0'0	15°16'16	29°39'39	1°8'8	5°33'33	26°28'28	M28
T 29	7 4 41	16°33'35	13°13'13	23°2'2	16°18'18	9°31'31	1°50'50	5°38'38	29°51'51	6°1'1	15°18'18	29°R40	1°5'5	5°40'40	26°31'31	T 29
W30	7 8 38	17°34'43	26°53'53	23°50'50	17°34'34	10°19'19	2°2'2	5°44'44	29°50'50	6°3'3	15°20'20	29°39'39	1°2'2	5°46'46	26°34'34	W30
T 31	7 12 34	18°35'51	10°12'26	24°43'43	18°34'34	11°6'6	2°14'14	5°50'50	29°48'48	6°5'5	15°22'22	29°37'37	0°58'58	5°53'53	26°38'38	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	22s58	3s16	2s33	24s11	0s50	21s54	0n16	23s31	1s11	13s40	1s7	12s0	1s52	20n14	0s8	10s24
W 2	23 3	9 38	3 32	23 56	0 34	22 6	0 14	23 25	1 11	13 37	1 6	11 59	1 52	20 14	0 8	10 23
T 3	23 8	15 29	4 17	23 39	0 18	22 18	0 12	23 19	1 11	13 34	1 6	11 57	1 52	20 13	0 8	10 23
F 4	23 12	20 31	4 47	23 22	0n 0	22 29	0 9	23 12	1 11	13 30	1 6	11 56	1 52	20 13	0 8	10 23
S 5	23 16	24 26	5 1	23 5	0 19	22 40	0 7	23 5	1 11	13 27	1 6	11 54	1 52	20 12	0 8	10 22
S 6	23 19	26 58	4 58	22 47	0 39	22 50	0 4	22 57	1 11	13 23	1 6	11 53	1 52	20 12	0 8	10 22
M 7	23 22	28 0	4 40	22 28	0 59	22 59	0 2	22 50	1 11	13 20	1 6	11 51	1 52	20 11	0 8	10 22
T 8	23 25	27 29	4 8	22 10	1 18	23 7	0s 1	22 42	1 11	13 16	1 6	11 50	1 52	20 11	0 8	10 21
W 9	23 27	25 34	3 24	21 52	1 38	23 15	0 3	22 34	1 11	13 12	1 6	11 48	1 51	20 10	0 8	10 21
T 10	23 28	22 28	2 31	21 34	1 56	23 22	0 5	22 25	1 11	13 9	1 5	11 46	1 51	20 10	0 8	10 20
F 11	23 29	18 26	1 32	21 16	2 14	23 29	0 8	22 17	1 10	13 5	1 5	11 45	1 51	20 9	0 8	10 20
S 12	23 30	13 45	0 30	21 0	2 29	23 34	0 10	22 8	1 10	13 1	1 5	11 43	1 51	20 9	0 8	10 20
S 13	23 30	8 35	0n33	20 45	2 42	23 39	0 12	21 59	1 10	12 57	1 5	11 41	1 51	20 9	0 8	10 19
M14	23 30	3 8	1 35	20 32	2 53	23 44	0 15	21 49	1 10	12 54	1 5	11 39	1 51	20 8	0 8	10 19
T 15	23 29	2n27	2 33	20 20	3 1	23 47	0 17	21 40	1 10	12 50	1 5	11 38	1 51	20 8	0 8	10 18
W16	23 28	8 1	3 25	20 11	3 7	23 50	0 20	21 30	1 10	12 46	1 5	11 36	1 51	20 7	0 8	10 18
T 17	23 26	13 24	4 9	20 5	3 11	23 52	0 22	21 20	1 10	12 42	1 5	11 34	1 50	20 7	0 8	10 17
F 18	23 24	18 23	4 42	20 1	3 12	23 53	0 24	21 9	1 10	12 38	1 5	11 32	1 50	20 6	0 8	10 17
S 19	23 21	22 41	5 2	19 59	3 11	23 53	0 26	20 59	1 10	12 34	1 5	11 30	1 50	20 6	0 8	10 16
S 20	23 18	25 56	5 6	20 0	3 9	23 53	0 29	20 48	1 9	12 29	1 4	11 28	1 50	20 6	0 8	10 16
M21	23 14	27 46	4 53	20 3	3 5	23 52	0 31	20 37	1 9	12 25	1 4	11 26	1 50	20 5	0 8	10 15
T 22	23 10	27 51	4 21	20 8	3 0	23 51	0 33	20 26	1 9	12 21	1 4	11 24	1 50	20 5	0 8	10 15
W23	23 5	26 2	3 32	20 14	2 54	23 48	0 35	20 14	1 9	12 17	1 4	11 22	1 50	20 5	0 8	10 14
T 24	23 0	22 27	2 29	20 22	2 47	23 45	0 38	20 2	1 9	12 13	1 4	11 20	1 50	20 4	0 8	10 13
F 25	22 55	17 25	1 15	20 31	2 39	23 41	0 40	19 50	1 9	12 8	1 4	11 18	1 50	20 4	0 8	10 13
S 26	22 49	11 22	0s 3	20 41	2 31	23 36	0 42	19 38	1 8	12 4	1 4	11 16	1 50	20 4	0 8	10 12
S 27	22 43	4 47	1 21	20 52	2 23	23 31	0 44	19 26	1 8	11 59	1 4	11 14	1 49	20 3	0 8	10 12
M28	22 36	1s57	2 33	21 3	2 14	23 25	0 46	19 13	1 8	11 55	1 4	11 12	1 49	20 3	0 8	10 11
T 29	22 28	8 27	3 34	21 15	2 5	23 18	0 48	19 0	1 8	11 51	1 4	11 10	1 49	20 3	0 8	10 10
W30	22 21	14 26	4 21	21 27	1 55	23 10	0 50	18 47	1 8	11 46	1 4	11 8	1 49	20 2	0 8	10 10
T 31	22s13	19s37	4s53	21s38	1n46	23s2	0s52	18s34	1s7	11s42	1s3	11s5	1s49	20n2	0s8	10s9

Julian Day Number = 2277667.5, Delta T = 238.28 sec  
Ecliptic obliquity = 23°30'12, Nutation = 0°00'07, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 18°05'51, Lahiri = 17°12'51 Julian Calendar 1 Dec. 1523 == Greg. Calendar 11 Dec. 1523