



Astrodienst Ephemeris Tables for the year 1521

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 1521
geocentric

JANUARY 1521 JC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	7 19 22	20 ³ 21'24	21 ¹ 13'30	3 ¹ 49'49	9 ¹ 27'27	11 ¹ 25'25	13 ¹ 27'12	4 ¹ 10'10	16 ¹ 52'52	29 ¹ 38'38	9 ¹ 56'56	29 ¹ D19	28 ¹ Y54	4 ¹ 0'0	12 ¹ 47'47	T 1
W 2	7 23 18	21 ¹ 22'30	3 ¹ 18'18	5 ¹ 28'28	10 ¹ 42'42	11 ¹ 12'12	13 ¹ 14'14	4 ¹ 17'17	16 ¹ 51'51	29 ¹ 40'40	9 ¹ 58'58	29 ¹ R19	28 ¹ 51'51	4 ¹ 6'6	12 ¹ 51'51	W 2
T 3	7 27 15	22 ¹ 23'36	1 ¹ 5'6	7 ¹ 5'5	11 ¹ 57'57	10 ¹ 45'45	13 ¹ 26'26	4 ¹ 24'24	16 ¹ 50'50	29 ¹ 41'41	10 ¹ 0'0	29 ¹ Y19	28 ¹ 48'48	4 ¹ 13'13	12 ¹ 56'56	T 3
F 4	7 31 12	23 ¹ 24'42	2 ¹ 7'1	8 ¹ 41'41	13 ¹ 12'12	10 ¹ 25'25	13 ¹ 38'38	4 ¹ 32'32	16 ¹ 50'50	29 ¹ 43'43	10 ¹ 2'2	29 ¹ 16'16	28 ¹ 45'45	4 ¹ 20'20	13 ¹ 0'0	F 4
S 5	7 35 8	24 ¹ 25'47	9 ¹ 7'6	10 ¹ 16'16	14 ¹ 27'27	10 ¹ 3'3	13 ¹ 50'50	4 ¹ 39'39	16 ¹ 49'49	29 ¹ 45'45	10 ¹ 4'4	29 ¹ 11'11	28 ¹ 41'41	4 ¹ 26'26	13 ¹ 4'4	S 5
S 6	7 39 5	25 ¹ 26'51	21 ¹ 26'26	11 ¹ 48'48	15 ¹ 42'42	9 ¹ 42'42	14 ¹ 2'2	4 ¹ 46'46	16 ¹ 48'48	29 ¹ 47'47	10 ¹ 6'6	29 ¹ 2'2	28 ¹ 38'38	4 ¹ 33'33	13 ¹ 9'9	S 6
M 7	7 43 1	26 ¹ 27'55	4 ¹ 3'3	13 ¹ 19'19	16 ¹ 57'57	9 ¹ 20'20	14 ¹ 14'14	4 ¹ 53'53	16 ¹ 48'48	29 ¹ 49'49	10 ¹ 8'8	28 ¹ 51'51	28 ¹ 35'35	4 ¹ 40'40	13 ¹ 13'13	M 7
T 8	7 46 58	27 ¹ 28'59	16 ¹ 59'59	14 ¹ 46'46	18 ¹ 11'11	8 ¹ 57'57	14 ¹ 25'25	5 ¹ 0'0	16 ¹ 48'48	29 ¹ 51'51	10 ¹ 10'10	28 ¹ 39'39	28 ¹ 32'32	4 ¹ 46'46	13 ¹ 17'17	T 8
W 9	7 50 54	28 ¹ 30'01	0 ¹ 22'22	16 ¹ 10'10	19 ¹ 26'26	8 ¹ 34'34	14 ¹ 37'37	5 ¹ 7'7	16 ¹ 47'47	29 ¹ 53'53	10 ¹ 12'12	28 ¹ 25'25	28 ¹ 29'29	4 ¹ 53'53	13 ¹ 22'22	W 9
T 10	7 54 51	29 ¹ 31'03	13 ¹ 40'40	17 ¹ 30'30	20 ¹ 41'41	8 ¹ 11'11	14 ¹ 48'48	5 ¹ 14'14	16 ¹ 47'47	29 ¹ 55'55	10 ¹ 14'14	28 ¹ 11'11	28 ¹ 25'25	5 ¹ 0'0	13 ¹ 26'26	T 10
F 11	7 58 47	0 ¹ 32'03	27 ¹ 22'22	18 ¹ 45'45	21 ¹ 56'56	7 ¹ 47'47	15 ¹ 0'0	5 ¹ 21'21	16 ¹ 47'47	29 ¹ 57'57	10 ¹ 16'16	28 ¹ 0'0	28 ¹ 22'22	5 ¹ 6'6	13 ¹ 31'31	F 11
S 12	8 2 44	1 ¹ 33'03	11 ¹ 12'12	19 ¹ 55'55	23 ¹ 11'11	7 ¹ 24'24	15 ¹ 11'11	5 ¹ 28'28	16 ¹ 47'47	29 ¹ 59'59	10 ¹ 18'18	27 ¹ 51'51	28 ¹ 19'19	5 ¹ 13'13	13 ¹ 35'35	S 12
S 13	8 6 41	2 ¹ 34'01	25 ¹ 9'9	20 ¹ 58'58	24 ¹ 26'26	7 ¹ 0'0	15 ¹ 22'22	5 ¹ 36'36	16 ¹ 46'46	0 ¹ 1'1	10 ¹ 20'20	27 ¹ 45'45	28 ¹ 16'16	5 ¹ 20'20	13 ¹ 40'40	S 13
M14	8 10 37	3 ¹ 34'58	9 ¹ Y10	21 ¹ 55'55	25 ¹ 40'40	6 ¹ 36'36	15 ¹ 33'33	5 ¹ 43'43	16 ¹ 46'46	0 ¹ 3'3	10 ¹ 22'22	27 ¹ 42'42	28 ¹ 13'13	5 ¹ 26'26	13 ¹ 44'44	M14
T 15	8 14 34	4 ¹ 35'54	23 ¹ 13'13	22 ¹ 43'43	26 ¹ 55'55	6 ¹ 12'12	15 ¹ 44'44	5 ¹ 50'50	16 ¹ D46	0 ¹ 5'5	10 ¹ 24'24	27 ¹ 41'41	28 ¹ 10'10	5 ¹ 33'33	13 ¹ 49'49	T 15
W16	8 18 30	5 ¹ 36'48	7 ¹ 18'18	23 ¹ 23'23	28 ¹ 10'10	5 ¹ 48'48	15 ¹ 55'55	5 ¹ 57'57	16 ¹ 46'46	0 ¹ 8'8	10 ¹ 26'26	27 ¹ 41'41	28 ¹ 6'6	5 ¹ 39'39	13 ¹ 53'53	W16
T 17	8 22 27	6 ¹ 37'41	21 ¹ 23'23	23 ¹ 54'54	29 ¹ 24'24	5 ¹ 24'24	16 ¹ 6'6	6 ¹ 4'4	16 ¹ 46'46	0 ¹ 10'10	10 ¹ 28'28	27 ¹ 41'41	28 ¹ 3'3	5 ¹ 46'46	13 ¹ 57'57	T 17
F 18	8 26 23	7 ¹ 38'32	5 ¹ II27	24 ¹ 14'14	0 ¹ 39'39	5 ¹ 0'0	16 ¹ 17'17	6 ¹ 11'11	16 ¹ 47'47	0 ¹ 12'12	10 ¹ 30'30	27 ¹ 38'38	28 ¹ 0'0	5 ¹ 53'53	14 ¹ 2'2	F 18
S 19	8 30 20	8 ¹ 39'22	19 ¹ 31'31	24 ¹ R24	1 ¹ 54'54	4 ¹ 36'36	16 ¹ 28'28	6 ¹ 19'19	16 ¹ 47'47	0 ¹ 14'14	10 ¹ 32'32	27 ¹ 33'33	27 ¹ 57'57	5 ¹ 59'59	14 ¹ 6'6	S 19
S 20	8 34 16	9 ¹ 40'11	3 ¹ 30'30	24 ¹ 23'23	3 ¹ 8'8	4 ¹ 12'12	16 ¹ 38'38	6 ¹ 26'26	16 ¹ 47'47	0 ¹ 16'16	10 ¹ 34'34	27 ¹ 25'25	27 ¹ 54'54	6 ¹ 6'6	14 ¹ 11'11	S 20
M21	8 38 13	10 ¹ 40'58	17 ¹ 22'22	24 ¹ 10'10	4 ¹ 23'23	3 ¹ 49'49	16 ¹ 49'49	6 ¹ 33'33	16 ¹ 47'47	0 ¹ 18'18	10 ¹ 35'35	27 ¹ 15'15	27 ¹ 51'51	6 ¹ 13'13	14 ¹ 16'16	M21
T 22	8 42 10	11 ¹ 41'44	1 ¹ 12'12	23 ¹ 47'47	5 ¹ 37'37	3 ¹ 26'26	16 ¹ 59'59	6 ¹ 40'40	16 ¹ 48'48	0 ¹ 20'20	10 ¹ 37'37	27 ¹ 2'2	27 ¹ 47'47	6 ¹ 19'19	14 ¹ 20'20	T 22
W23	8 46 6	12 ¹ 42'29	14 ¹ 30'30	23 ¹ 14'14	6 ¹ 52'52	3 ¹ 3'3	17 ¹ 10'10	6 ¹ 47'47	16 ¹ 48'48	0 ¹ 23'23	10 ¹ 39'39	26 ¹ 50'50	27 ¹ 44'44	6 ¹ 26'26	14 ¹ 25'25	W23
T 24	8 50 3	13 ¹ 43'12	27 ¹ 40'40	22 ¹ 31'31	8 ¹ 6'6	2 ¹ 40'40	17 ¹ 20'20	6 ¹ 54'54	16 ¹ 49'49	0 ¹ 25'25	10 ¹ 41'41	26 ¹ 38'38	27 ¹ 41'41	6 ¹ 33'33	14 ¹ 29'29	T 24
F 25	8 53 59	14 ¹ 43'53	10 ¹ 12'12	21 ¹ 40'40	9 ¹ 20'20	2 ¹ 18'18	17 ¹ 30'30	7 ¹ 1'1	16 ¹ 49'49	0 ¹ 27'27	10 ¹ 43'43	26 ¹ 28'28	27 ¹ 38'38	6 ¹ 39'39	14 ¹ 34'34	F 25
S 26	8 57 56	15 ¹ 44'34	23 ¹ 4'4	20 ¹ 41'41	10 ¹ 35'35	1 ¹ 56'56	17 ¹ 40'40	7 ¹ 9'9	16 ¹ 50'50	0 ¹ 29'29	10 ¹ 44'44	26 ¹ 21'21	27 ¹ 35'35	6 ¹ 46'46	14 ¹ 38'38	S 26
S 27	9 1 52	16 ¹ 45'13	5 ¹ 12'12	19 ¹ 37'37	11 ¹ 49'49	1 ¹ 35'35	17 ¹ 50'50	7 ¹ 16'16	16 ¹ 50'50	0 ¹ 32'32	10 ¹ 46'46	26 ¹ 16'16	27 ¹ 31'31	6 ¹ 53'53	14 ¹ 43'43	S 27
M28	9 5 49	17 ¹ 45'51	17 ¹ 23'23	18 ¹ 29'29	13 ¹ 3'3	1 ¹ 14'14	18 ¹ 0'0	7 ¹ 23'23	16 ¹ 51'51	0 ¹ 34'34	10 ¹ 48'48	26 ¹ 14'14	27 ¹ 28'28	6 ¹ 59'59	14 ¹ 47'47	M28
T 29	9 9 45	18 ¹ 46'28	29 ¹ 15'15	17 ¹ 20'20	14 ¹ 18'18	0 ¹ 53'53	18 ¹ 10'10	7 ¹ 30'30	16 ¹ 52'52	0 ¹ 36'36	10 ¹ 50'50	26 ¹ D13	27 ¹ 25'25	7 ¹ 6'6	14 ¹ 52'52	T 29
W30	9 13 42	19 ¹ 47'03	11 ¹ 11'11	16 ¹ 11'11	15 ¹ 32'32	0 ¹ 34'34	18 ¹ 19'19	7 ¹ 37'37	16 ¹ 52'52	0 ¹ 38'38	10 ¹ 51'51	26 ¹ 14'14	27 ¹ 22'22	7 ¹ 13'13	14 ¹ 56'56	W30
T 31	9 17 39	20 ¹ 47'37	22 ¹ 11'11	15 ¹ 44'44	16 ¹ 46'46	0 ¹ 14'14	18 ¹ 27'27	7 ¹ 44'44	16 ¹ 53'53	0 ¹ 40'40	10 ¹ 53'53	26 ¹ R14	27 ¹ Y19	7 ¹ 19'19	15 ¹ 1'1	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
T 1	21s57	7s46	0n41	21s 5	1s48	19s26	1s33	21n28	4n14	21s52	0n34	19s53	0s38	16n38	0s18	12s19	0s44	21s52	1n16	11n16	11n 7	13s19	11s 3	6n13	
W 2	21 48	12 59	0s21	20 37	1 42	19 6	1 33	21 35	4 16	21 53	0 34	19 51	0 38	16 38	0 18	12 18	0 44	21 52	1 16	11 16	11 6	13 22	11 2	6 13	
T 3	21 38	17 43	1 23	20 6	1 36	18 45	1 34	21 42	4 17	21 55	0 34	19 50	0 38	16 38	0 18	12 18	0 44	21 52	1 16	11 16	11 5	13 25	11 1	6 13	
F 4	21 28	21 50	2 21	19 35	1 30	18 24	1 34	21 50	4 19	21 56	0 34	19 48	0 38	16 37	0 18	12 17	0 44	21 52	1 15	11 15	11 3	13 28	11 0	6 13	
S 5	21 17	25 4	3 14	19 2	1 22	18 3	1 34	21 57	4 20	21 58	0 34	19 46	0 38	16 37	0 18	12 16	0 44	21 52	1 15	11 13	11 2	13 31	10 59	6 13	
S 6	21 6	27 12	3 59	18 28	1 14	17 41	1 34	22 4	4 22	21 59	0 34	19 45	0 38	16 37	0 18	12 16	0 44	21 52	1 15	11 10	11 1	13 34	10 58	6 12	
M 7	20 55	27 59	4 33	17 54	1 4	17 18	1 35	22 12	4 23	22 1	0 34	19 43	0 38	16 37	0 18	12 15	0 44	21 52	1 15	11 6	11 0	13 37	10 57	6 12	
T 8	20 43	27 17	4 54	17 19	0 54	16 55	1 35	22 19	4 24	22 2	0 34	19 41	0 39	16 37	0 18	12 14	0 44	21 52	1 15	11 1	10 59	13 40	10 56	6 12	
W 9	20 31	25 2	5 0	16 43	0 43	16 32	1 35	22 26	4 26	22 3	0 34	19 40	0 39	16 37	0 18	12 13	0 44	21 52	1 15	10 56	10 58	13 44	10 54	6 12	
T 10	20 18	21 23	4 49	16 8	0 31	16 8	1 34	22 33	4 27	22 5	0 34	19 38	0 39	16 37	0 18	12 13	0 44	21 52	1 15	10 52	10 57	13 47	10 53	6 12	
F 11	20 5	16 31	4 22	15 32	0 19	15 43	1 34	22 41	4 28	22 6	0 34	19 36	0 39	16 37	0 18	12 12	0 44	21 52	1 15	10 47	10 55	13 50	10 52	6 12	
S 12	19 52	10 45	3 39	14 58	0 5	15 18	1 34	22 48	4 28	22 7	0 34	19 35	0 39	16 37	0 18	12 11	0 44	21 52	1 15	10 44	10 54	13 53	10 51	6 12	
S 13	19 38	4 25	2 43	14 24	0n 9	14 53	1 34	22 54	4 29	22 9	0 34	19 33	0 39	16 37	0 18	12 11	0 44	21 52	1 15	10 42	10 53	13 56	10 50	6 11	
M14	19 24	2n10	1 36	13 51	0 25	14 28	1 33	23 1	4 30	22 10	0 34	19 31	0 39	16 37	0 17	12 10	0 44	21 51	1 15	10 41	10 52	13 59	10 49	6 11	
T 15	19 10	8 41	0 24	13 20	0 41	14 2	1 33	23 8	4 30	22 11	0 33	19 30	0 39	16 37	0 17	12 9	0 44	21 51	1 15	10 41	10 51	14 2	10 48	6 11	
W16	18 55	14 47	0n51	12 52	0 57	13 35	1 32	23 14	4 31	22 12	0 33	19 28	0 39	16 37	0 17	12 8	0 44	21 51	1 14	10 41	10 50	14 5	10 46	6 11	
T 17	18 40	20 7	2 2	12 26	1 14	13 8	1 32	23 21	4 31	22 13	0 33	19 26	0 39	16 37	0 17	12 8	0 44	21 51	1 14	10 41	10 49	14 8	10 45	6 11	
F 18	18 25	24 19	3 6	12 3	1 31	12 41	1 31	23 27	4 31	22 14	0 33	19 24	0 39	16 37	0 17	12 7	0 44	21 51	1 14	10 40	10 47	14 11	10 44	6 11	
S 19	18 9	27 2	3 58	11 43	1 48	12 14	1 30	23 33	4 31	22 16	0 33	19 23	0 39	16 37	0 17	12 6	0 44	21 51	1 14	10 38	10 46	14 14	10 43	6 11	
S 20	17 53	28 3	4 35	11 28	2 5	11 46	1 29	23 39	4 31	22 17	0 33	19 21	0 39	16 37	0 17	12 5	0 44	21 51	1 14	10 35	10 45	14 17	10 42	6 11	
M21	17 36	27 16	4 56	11 16	2 22	11 18	1 28	23 44	4 31	22 18	0 33	19 19	0 39	16 37	0 17	12 5	0 44	21 51	1 14	10 31	10 44	14 20	10 41	6 11	
T 22	17 19	24 51	5 0	11 9	2 38	10 50	1 27	23 49	4 31	22 19	0 33	19 18	0 39	16 37	0 17	12 4	0 44	21 51	1 14	10 27	10 43	14 23	10 39	6 11	
W23	17 2	21 6	4 47	11 5	2 53	10 21	1 26	23 54	4 30	22 20	0 33	19 16	0 40	16 38	0 17	12 3	0 44	21 51	1 14	10 22	10 42	14 26	10 38	6 11	
T24	16 45	16 21	4 19	11 7	3 6	9 52	1 25	23 59	4 30	22 21	0 33	19 14	0 40	16 38	0 17	12 2	0 44	21 51	1 14	10 18	10 41	14 29	10 37	6 11	
F 25	16 27	10 59	3 37	11 12	3 18	9 23	1 24	24 4	4 29	22 22	0 33	19 12	0 40	16 38	0 17	12 1	0 44	21 51	1 14	10 14	10 40	14 32	10 36	6 11	
S 26	16 10	5 18	2 47	11 21	3 28	8 54	1 23	24 8	4 28	22 23	0 33	19 11	0 40	16 38	0 17	12 1	0 44	21 51	1 14	10 12	10 38	14 35	10 34	6 11	
S 27	15 51	0s28	1 49	11 34	3 35	8 24	1 22	24 13	4 28	22 24	0 33	19 9	0 40	16 38	0 17	12 0	0 44	21 51	1 14	10 10	10 37	14 38	10 33	6 11	
M28	15 33	6 7	0 47	11 50	3 41	7 54	1 20	24 16	4 27	22 24	0 33	19 7	0 40	16 38	0 17	11 59	0 44	21 50	1 14	10 9	10 36	14 41	10 32	6 11	
T 29	15 14	11 30	0s16	12 8	3 44	7 24	1 19	24 20	4 26	22 25	0 33	19 5	0 40	16 39	0 17	11 58	0 44	21 50	1 13	10 9	10 35	14 44	10 31	6 11	
W30	14 55	16 26	1 18	12 28	3 44	6 54	1 17	24 24	4 25	22 26	0 33	19 4	0 40	16 39	0 17	11 58	0 44	21 50	1 13	10 9	10 34	14 47	10 29	6 11	
T 31	14s36	20s45	2s17	12s49	3n43	6s24	1s16	24n27	4n24	22s27	0n33	19s 2	0s40	16n39	0s17	11s57	0s44	21s50	1n13	10n 9	10n33	14s50	10s28	6n13	

ASTRODIENST EPHEMERIS for the year 1521

geocentric

FEBRUARY 1521 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	9 21 35	21 ⁴⁸ 11	4 ⁴⁸ 48	14 ^R 0	18 ¹¹ 0	29 ^R 56	18 ¹¹ 38	7 ⁴⁸ 51	16 ¹¹ 54	0 ¹¹ 43	10 ¹¹ 55	26 ^R 13	27 ¹¹ 16	7 ¹¹ 26	15 ⁴⁸ 5	F 1
S 2	9 25 32	22 ⁴⁸ 42	16 ⁵⁴	13 ⁴⁸ 0	19 ¹⁴	29 ¹¹ 38	18 ⁴⁷	7 ⁵⁸	16 ⁵⁵	0 ⁴⁵	10 ⁵⁶	26 ¹¹ 10	27 ¹²	7 ³²	15 ¹⁰	S 2
S 3	9 29 28	23 ⁴⁹ 13	29 ¹⁷	12 ⁷	20 ²⁸	29 ²⁰	18 ⁵⁶	8 ⁵	16 ⁵⁶	0 ⁴⁷	10 ⁵⁸	26 ⁵	27 ⁹	7 ³⁹	15 ¹⁴	S 3
M 4	9 33 25	24 ⁴⁹ 42	12 ³ 0	11 ²⁰	21 ⁴²	29 ⁴	19 ⁵	8 ¹²	16 ⁵⁷	0 ⁵⁰	11 ⁰	25 ⁵⁷	27 ⁶	7 ⁴⁶	15 ¹⁸	M 4
T 5	9 37 21	25 ⁵⁰ 10	25 ⁶	10 ⁴⁰	22 ⁵⁶	28 ⁴⁸	19 ¹⁴	8 ¹⁹	16 ⁵⁸	0 ⁵²	11 ¹	25 ⁴⁸	27 ³	7 ⁵²	15 ²³	T 5
W 6	9 41 18	26 ⁵⁰ 36	8 ³³	10 ⁸	24 ¹⁰	28 ³²	19 ²³	8 ²⁶	16 ⁵⁹	0 ⁵⁴	11 ³	25 ³⁷	27 ⁰	7 ⁵⁹	15 ²⁷	W 6
T 7	9 45 14	27 ⁵¹ 00	22 ²²	9 ⁴³	25 ²⁴	28 ¹⁸	19 ³²	8 ³³	17 ⁰	0 ⁵⁶	11 ⁴	25 ²⁷	26 ⁵⁷	8 ⁶	15 ³²	T 7
F 8	9 49 11	28 ⁵¹ 23	6 ¹¹ 27	9 ²⁵	26 ³⁸	28 ⁴	19 ⁴⁰	8 ⁴⁰	17 ²	0 ⁵⁹	11 ⁶	25 ¹⁸	26 ⁵³	8 ¹²	15 ³⁶	F 8
S 9	9 53 8	29 ⁵¹ 44	20 ⁴⁵	9 ¹⁴	27 ⁵²	27 ⁵¹	19 ⁴⁹	8 ⁴⁷	17 ³	1 ¹	11 ⁷	25 ¹¹	26 ⁵⁰	8 ¹⁹	15 ⁴¹	S 9
S 10	9 57 4	0 ¹¹ 52 ⁰³	5 ¹¹ 9	9 ^D 11	29 ⁵	27 ³⁹	19 ⁵⁷	8 ⁵³	17 ⁴	1 ³	11 ⁹	25 ⁷	26 ⁴⁷	8 ²⁶	15 ⁴⁵	S 10
M 11	10 1 1	1 ⁵² 20	19 ³⁵	9 ¹⁴	0 ¹¹ 19	27 ²⁷	20 ⁵	9 ⁰	17 ⁶	1 ⁵	11 ¹⁰	25 ^D 5	26 ⁴⁴	8 ³²	15 ⁴⁹	M 11
T 12	10 4 57	2 ⁵² 35	3 ¹¹ 56	9 ²³	1 ³³	27 ¹⁶	20 ¹³	9 ⁷	17 ⁷	1 ⁸	11 ¹²	25 ⁵	26 ⁴¹	8 ³⁹	15 ⁵⁴	T 12
W 13	10 8 54	3 ⁵² 48	18 ¹²	9 ³⁹	2 ⁴⁶	27 ⁶	20 ²¹	9 ¹⁴	17 ⁸	1 ¹⁰	11 ¹³	25 ⁶	26 ³⁷	8 ⁴⁶	15 ⁵⁸	W 13
T 14	10 12 50	4 ⁵² 59	2 ¹¹ 20	9 ⁵⁹	4 ⁰	26 ⁵⁷	20 ²⁹	9 ²⁰	17 ¹⁰	1 ¹²	11 ¹⁵	25 ^R 7	26 ³⁴	8 ⁵²	16 ²	T 14
F 15	10 16 47	5 ⁵³ 08	16 ¹⁸	10 ²⁶	5 ¹⁴	26 ⁴⁹	20 ³⁶	9 ²⁷	17 ¹¹	1 ¹⁵	11 ¹⁶	25 ⁷	26 ³¹	8 ⁵⁹	16 ⁷	F 15
S 16	10 20 43	6 ⁵³ 15	0 ¹¹ 6	10 ⁵⁷	6 ²⁷	26 ⁴²	20 ⁴⁴	9 ³⁴	17 ¹³	1 ¹⁷	11 ¹⁷	25 ⁴	26 ²⁸	9 ⁶	16 ¹¹	S 16
S 17	10 24 40	7 ⁵³ 20	13 ⁴⁴	11 ³²	7 ⁴⁰	26 ³⁵	20 ⁵¹	9 ⁴⁰	17 ¹⁵	1 ¹⁹	11 ¹⁹	25 ⁰	26 ²⁵	9 ¹²	16 ¹⁵	S 17
M 18	10 28 37	8 ⁵³ 22	27 ¹¹	12 ¹²	8 ⁵⁴	26 ²⁹	20 ⁵⁸	9 ⁴⁷	17 ¹⁶	1 ²¹	11 ²⁰	24 ⁵³	26 ²²	9 ¹⁹	16 ²⁰	M 18
T 19	10 32 33	9 ⁵³ 23	10 ¹¹ 26	12 ⁵⁵	10 ⁷	26 ²⁴	21 ⁵	9 ⁵³	17 ¹⁸	1 ²⁴	11 ²¹	24 ⁴⁶	26 ¹⁸	9 ²⁶	16 ²⁴	T 19
W 20	10 36 30	10 ⁵³ 21	23 ²⁸	13 ⁴³	11 ²⁰	26 ¹⁹	21 ¹²	10 ⁰	17 ²⁰	1 ²⁶	11 ²²	24 ³⁸	26 ¹⁵	9 ³²	16 ²⁸	W 20
T 21	10 40 26	11 ⁵³ 17	6 ¹¹ 17	14 ³³	12 ³³	26 ¹⁶	21 ¹⁹	10 ⁶	17 ²²	1 ²⁸	11 ²⁴	24 ³⁰	26 ¹²	9 ³⁹	16 ³²	T 21
F 22	10 44 23	12 ⁵³ 11	18 ⁵²	15 ²⁷	13 ⁴⁶	26 ¹³	21 ²⁶	10 ¹³	17 ²⁴	1 ³⁰	11 ²⁵	24 ²⁴	26 ⁹	9 ⁴⁵	16 ³⁶	F 22
S 23	10 48 19	13 ⁵³ 03	1 ¹¹ 13	16 ²⁴	14 ⁵⁹	26 ¹¹	21 ³²	10 ¹⁹	17 ²⁶	1 ³³	11 ²⁶	24 ¹⁹	26 ⁶	9 ⁵²	16 ⁴⁰	S 23
S 24	10 52 16	14 ⁵² 54	13 ²²	17 ²³	16 ¹²	26 ¹⁰	21 ³⁸	10 ²⁶	17 ²⁸	1 ³⁵	11 ²⁷	24 ¹⁷	26 ²	9 ⁵⁹	16 ⁴⁵	S 24
M 25	10 56 12	15 ⁵² 42	25 ²¹	18 ²⁶	17 ²⁵	26 ^D 9	21 ⁴⁵	10 ³²	17 ³⁰	1 ³⁷	11 ²⁸	24 ^D 16	25 ⁵⁹	10 ⁵	16 ⁴⁹	M 25
T 26	11 0 9	16 ⁵² 29	7 ¹¹ 12	19 ³⁰	18 ³⁸	26 ⁹	21 ⁵¹	10 ³⁸	17 ³²	1 ³⁹	11 ²⁹	24 ¹⁷	25 ⁵⁶	10 ¹²	16 ⁵³	T 26
W 27	11 4 6	17 ⁵² 14	19 ⁰	20 ³⁷	19 ⁵¹	26 ¹⁰	21 ⁵⁶	10 ⁴⁴	17 ³⁴	1 ⁴²	11 ³⁰	24 ¹⁸	25 ⁵³	10 ¹⁹	16 ⁵⁷	W 27
T 28	11 8 2	18 ¹¹ 51 ⁵⁷	0 ¹¹ 49	21 ⁴⁷	21 ¹¹ 4	26 ¹¹ 2	22 ¹¹ 2	10 ⁴⁸ 51	17 ³⁶	1 ⁴⁴	11 ³¹	24 ¹¹ 20	25 ¹¹ 50	10 ¹¹ 25	17 ¹¹ 1	T 28

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
F 1	14s17	24s16	3s11	13s11	3n39	5s53	1s14	24n30	4n23	22s28	0n33	19s 0	0s40	16n39	0s17	11s56	0s44	21s50	1n13	10n 9	10n31	14s53	10s27	6n11			
S 2	13 57	26 47	3 56	13 33	3 33	5 23	1 12	24 32	4 21	22 29	0 33	18 58	0 40	16 40	0 17	11 55	0 44	21 50	1 13	10 8	10 30	14 56	10 25	6 11			
S 3	13 37	28 2	4 32	13 55	3 26	4 52	1 10	24 35	4 20	22 29	0 33	18 57	0 40	16 40	0 17	11 54	0 44	21 50	1 13	10 6	10 29	14 59	10 24	6 11			
M 4	13 17	27 52	4 56	14 16	3 17	4 21	1 9	24 37	4 18	22 30	0 33	18 55	0 41	16 40	0 17	11 54	0 44	21 50	1 13	10 3	10 28	15 2	10 23	6 11			
T 5	12 57	26 9	5 4	14 37	3 6	3 50	1 7	24 39	4 17	22 31	0 33	18 53	0 41	16 41	0 17	11 53	0 44	21 50	1 13	10 0	10 27	15 5	10 22	6 11			
W 6	12 36	22 56	4 57	14 56	2 55	3 19	1 5	24 40	4 15	22 32	0 33	18 52	0 41	16 41	0 17	11 52	0 44	21 50	1 13	9 56	10 26	15 8	10 20	6 11			
T 7	12 15	18 22	4 32	15 14	2 43	2 47	1 3	24 42	4 14	22 32	0 33	18 50	0 41	16 41	0 17	11 51	0 44	21 50	1 13	9 52	10 25	15 11	10 19	6 11			
F 8	11 54	12 44	3 50	15 31	2 31	2 16	1 1	24 43	4 12	22 33	0 33	18 48	0 41	16 42	0 17	11 50	0 44	21 50	1 13	9 49	10 23	15 14	10 18	6 11			
S 9	11 33	6 20	2 53	15 46	2 18	1 45	0 58	24 44	4 10	22 34	0 33	18 46	0 41	16 42	0 17	11 50	0 44	21 50	1 13	9 46	10 22	15 17	10 16	6 11			
S 10	11 12	0n27	1 45	16 0	2 5	1 13	0 56	24 45	4 9	22 34	0 33	18 45	0 41	16 42	0 17	11 49	0 44	21 50	1 13	9 45	10 21	15 20	10 15	6 11			
M11	10 50	7 13	0 30	16 12	1 52	0 42	0 54	24 45	4 7	22 35	0 33	18 43	0 41	16 43	0 17	11 48	0 44	21 50	1 13	9 44	10 20	15 23	10 14	6 11			
T 12	10 29	13 37	0n47	16 22	1 38	0 10	0 51	24 46	4 5	22 35	0 33	18 41	0 41	16 43	0 17	11 47	0 44	21 50	1 13	9 44	10 19	15 26	10 12	6 11			
W13	10 7	19 14	2 1	16 31	1 25	0n21	0 49	24 46	4 3	22 36	0 33	18 40	0 41	16 44	0 17	11 46	0 44	21 50	1 12	9 45	10 18	15 29	10 11	6 11			
T 14	9 45	23 44	3 7	16 38	1 12	0 53	0 47	24 46	4 1	22 37	0 33	18 38	0 41	16 44	0 17	11 45	0 44	21 49	1 12	9 45	10 17	15 32	10 10	6 11			
F 15	9 23	26 47	4 0	16 43	0 59	1 24	0 44	24 46	3 59	22 37	0 33	18 36	0 42	16 45	0 17	11 45	0 44	21 49	1 12	9 45	10 15	15 35	10 8	6 11			
S 16	9 0	28 10	4 39	16 47	0 47	1 56	0 42	24 45	3 57	22 38	0 33	18 34	0 42	16 45	0 17	11 44	0 44	21 49	1 12	9 44	10 14	15 38	10 7	6 11			
S 17	8 38	27 48	5 2	16 49	0 34	2 27	0 39	24 44	3 55	22 38	0 33	18 33	0 42	16 46	0 17	11 43	0 44	21 49	1 12	9 42	10 13	15 41	10 6	6 11			
M18	8 15	25 48	5 8	16 50	0 22	2 59	0 36	24 44	3 53	22 39	0 33	18 31	0 42	16 46	0 17	11 42	0 44	21 49	1 12	9 40	10 12	15 44	10 4	6 12			
T 19	7 53	22 25	4 57	16 48	0 11	3 30	0 34	24 43	3 51	22 39	0 33	18 29	0 42	16 47	0 17	11 41	0 44	21 49	1 12	9 37	10 11	15 47	10 3	6 12			
W20	7 30	17 59	4 30	16 46	0s 0	4 1	0 31	24 41	3 49	22 40	0 33	18 28	0 42	16 47	0 17	11 41	0 44	21 49	1 12	9 34	10 10	15 50	10 2	6 12			
T 21	7 7	12 48	3 51	16 41	0 11	4 32	0 28	24 40	3 47	22 40	0 33	18 26	0 42	16 48	0 17	11 40	0 44	21 49	1 12	9 31	10 8	15 53	10 0	6 12			
F 22	6 44	7 11	3 0	16 35	0 22	5 4	0 25	24 39	3 45	22 41	0 33	18 25	0 42	16 48	0 17	11 39	0 44	21 49	1 12	9 29	10 7	15 56	9 59	6 12			
S 23	6 21	1 23	2 2	16 28	0 32	5 35	0 22	24 37	3 43	22 41	0 33	18 23	0 42	16 49	0 17	11 38	0 44	21 49	1 12	9 27	10 6	15 59	9 58	6 12			
S 24	5 58	4s23	0 59	16 19	0 41	6 5	0 20	24 35	3 41	22 41	0 33	18 21	0 42	16 49	0 17	11 38	0 44	21 49	1 12	9 26	10 5	16 2	9 56	6 12			
M25	5 35	9 55	0s 6	16 9	0 51	6 36	0 17	24 33	3 39	22 42	0 33	18 20	0 43	16 50	0 17	11 37	0 44	21 49	1 12	9 26	10 4	16 4	9 55	6 12			
T 26	5 12	15 3	1 10	15 57	0 59	7 7	0 14	24 31	3 37	22 42	0 33	18 18	0 43	16 51	0 17	11 36	0 44	21 49	1 12	9 26	10 3	16 7	9 54	6 13			
W27	4 48	19 37	2 11	15 43	1 8	7 37	0 11	24 29	3 34	22 42	0 33	18 16	0 43	16 51	0 16	11 35	0 44	21 49	1 12	9 27	10 2	16 10	9 52	6 13			
T 28	4s25	23s25	3s 6	15s29	1s16	8n 7	0s 8	24n26	3n32	22s43	0n33	18s15	0s43	16n52	0s16	11s34	0s44	21s49	1n11	9n28	10n 0	16s13	9s51	6n13			

ASTRODIENST EPHEMERIS for the year 1521

geocentric

MARCH 1521 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	11 11 59	19 ^h 51'38	12 ^h 44'	22 ^h 58'	22 ^h 16'	26 ^h 14'	22 ^h 8'	10 ^h 57'	17 ^h 38'	1 ^h 46'	11 ^h 32'	24 ^h 21'	25 ^h 47'	10 ^h 32'	17 ^h 55'	F 1
S 2	11 15 55	20°51'18	24°50'	24°11'	23°29'	26°17'	22°13'	11° 3'	17°40'	1°48'	11°33'	24°R22	25°43'	10°39'	17° 9'	S 2
S 3	11 19 52	21°50'56	7 ^h 31'	25°27'	24°41'	26°21'	22°18'	11° 9'	17°43'	1°50'	11°34'	24°20'	25°40'	10°45'	17°12'	S 3
M 4	11 23 48	22°50'32	19°53'	26°44'	25°54'	26°25'	22°23'	11°15'	17°45'	1°52'	11°35'	24°18'	25°37'	10°52'	17°16'	M 4
T 5	11 27 45	23°50'07	2 ^h 59'	28° 3'	27° 6'	26°30'	22°28'	11°21'	17°47'	1°55'	11°36'	24°14'	25°34'	10°59'	17°20'	T 5
W 6	11 31 41	24°49'39	16°30'	29°23'	28°18'	26°36'	22°33'	11°27'	17°50'	1°57'	11°37'	24°10'	25°31'	11° 5'	17°24'	W 6
T 7	11 35 38	25°49'10	0 ^h 27'	0 ^h 46'	29°31'	26°42'	22°37'	11°32'	17°52'	1°59'	11°38'	24° 5'	25°28'	11°12'	17°28'	T 7
F 8	11 39 35	26°48'39	14°46'	2°10'	0 ^h 43'	26°49'	22°42'	11°38'	17°54'	2° 1'	11°39'	24° 1'	25°24'	11°19'	17°31'	F 8
S 9	11 43 31	27°48'05	29°23'	3°35'	1°55'	26°57'	22°46'	11°44'	17°57'	2° 3'	11°40'	23°58'	25°21'	11°25'	17°35'	S 9
S 10	11 47 28	28°47'30	14 ^h 11'	5° 2'	3° 7'	27° 5'	22°50'	11°49'	17°59'	2° 5'	11°40'	23°57'	25°18'	11°32'	17°39'	S 10
M 11	11 51 24	29°46'52	29° 2'	6°30'	4°19'	27°14'	22°54'	11°55'	18° 2'	2° 7'	11°41'	23°D57	25°15'	11°38'	17°42'	M 11
T 12	11 55 21	0 ^h 46'13	13 ^h 49'	8° 0'	5°31'	27°23'	22°58'	12° 1'	18° 5'	2° 9'	11°42'	23°57'	25°12'	11°45'	17°46'	T 12
W 13	11 59 17	1°45'31	28°26'	9°32'	6°43'	27°34'	23° 1'	12° 6'	18° 7'	2°11'	11°42'	23°59'	25° 8'	11°52'	17°50'	W 13
T 14	12 3 14	2°44'47	12 ^h 49'	11° 5'	7°54'	27°44'	23° 4'	12°11'	18°10'	2°13'	11°43'	24° 0'	25° 5'	11°58'	17°53'	T 14
F 15	12 7 10	3°44'00	26°54'	12°39'	9° 6'	27°55'	23° 7'	12°17'	18°13'	2°15'	11°44'	24° 1'	25° 2'	12° 5'	17°57'	F 15
S 16	12 11 7	4°43'11	10 ^h 40'	14°15'	10°17'	28° 7'	23°10'	12°22'	18°15'	2°17'	11°44'	24°R 1	24°59'	12°12'	18° 0'	S 16
S 17	12 15 4	5°42'20	24° 9'	15°52'	11°29'	28°19'	23°13'	12°27'	18°18'	2°19'	11°45'	24° 0'	24°56'	12°18'	18° 3'	S 17
M 18	12 19 0	6°41'26	7 ^h 20'	17°31'	12°40'	28°32'	23°16'	12°33'	18°21'	2°21'	11°45'	23°58'	24°53'	12°25'	18° 7'	M 18
T 19	12 22 57	7°40'30	20°16'	19°11'	13°52'	28°45'	23°18'	12°38'	18°24'	2°23'	11°46'	23°56'	24°49'	12°32'	18°10'	T 19
W 20	12 26 53	8°39'32	2 ^h 17'	20°52'	15° 3'	28°59'	23°21'	12°43'	18°27'	2°25'	11°46'	23°54'	24°46'	12°38'	18°13'	W 20
T 21	12 30 50	9°38'31	15°26'	22°35'	16°14'	29°13'	23°23'	12°48'	18°29'	2°27'	11°47'	23°52'	24°43'	12°45'	18°16'	T 21
F 22	12 34 46	10°37'28	27°43'	24°20'	17°25'	29°28'	23°24'	12°52'	18°32'	2°29'	11°47'	23°50'	24°40'	12°52'	18°20'	F 22
S 23	12 38 43	11°36'23	9 ^h 45'	26° 6'	18°36'	29°43'	23°26'	12°57'	18°35'	2°31'	11°47'	23°49'	24°37'	12°58'	18°23'	S 23
S 24	12 42 39	12°35'16	21°50'	27°53'	19°46'	29°59'	23°28'	13° 2'	18°38'	2°33'	11°48'	23°D49	24°34'	13° 5'	18°26'	S 24
M 25	12 46 36	13°34'07	3 ^h 14'	29°42'	20°57'	0 ^h 15'	23°29'	13° 7'	18°41'	2°35'	11°48'	23°49'	24°30'	13°12'	18°29'	M 25
T 26	12 50 32	14°32'56	15°33'	1°Y32	22° 8'	0°31'	23°30'	13°11'	18°44'	2°36'	11°48'	23°49'	24°27'	13°18'	18°32'	T 26
W 27	12 54 29	15°31'44	27°21'	3°24'	23°18'	0°48'	23°31'	13°16'	18°47'	2°38'	11°49'	23°50'	24°24'	13°25'	18°35'	W 27
T 28	12 58 26	16°30'29	9 ^h 21'	5°18'	24°28'	1° 6'	23°32'	13°20'	18°50'	2°40'	11°49'	23°51'	24°21'	13°32'	18°38'	T 28
F 29	13 2 22	17°29'13	21° 7'	7°13'	25°39'	1°23'	23°32'	13°25'	18°53'	2°42'	11°49'	23°52'	24°18'	13°38'	18°40'	F 29
S 30	13 6 19	18°27'55	3 ^h 31'	9° 9'	26°49'	1°41'	23°33'	13°29'	18°56'	2°44'	11°49'	23°52'	24°14'	13°45'	18°43'	S 30
S 31	13 10 15	19°Y26'35	15 ^h 33'	11°Y 7'	27°Y59'	2°0 0'	23°Y33'	13°Y33'	19°Y 0'	2°Y45'	11°Y49'	23°R52	24°Y11'	13°Y52'	18°Y46'	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4s 2	26s15	3s54	15s12	1s23	8n37	0s 4	24n24	3n30	22s43	0n33	18s13	0s43	16n52	0s16	F 1
S 2	3 38	27 56	4 33	14 55	1 30	9 7	0 1	24 21	3 28	22 43	0 33	18 12	0 43	16 53	0 16	S 2
S 3	3 14	28 17	4 59	14 36	1 37	9 37	0n 2	24 19	3 26	22 44	0 33	18 10	0 43	16 54	0 16	S 3
M 4	2 51	27 10	5 12	14 15	1 43	10 6	0 5	24 16	3 24	22 44	0 33	18 9	0 43	16 54	0 16	M 4
T 5	2 27	24 33	5 9	13 53	1 49	10 36	0 8	24 13	3 22	22 44	0 33	18 7	0 43	16 55	0 16	T 5
W 6	2 4	20 32	4 50	13 30	1 54	11 5	0 11	24 9	3 20	22 45	0 33	18 6	0 44	16 56	0 16	W 6
T 7	1 40	15 16	4 13	13 5	1 59	11 33	0 15	24 6	3 18	22 45	0 33	18 4	0 44	16 56	0 16	T 7
F 8	1 16	9 4	3 19	12 39	2 4	12 2	0 18	24 3	3 16	22 45	0 33	18 3	0 44	16 57	0 16	F 8
S 9	0 53	2 15	2 11	12 12	2 8	12 30	0 21	23 59	3 14	22 45	0 33	18 1	0 44	16 58	0 16	S 9
S 10	0 29	4n47	0 53	11 43	2 11	12 58	0 24	23 56	3 12	22 46	0 33	18 0	0 44	16 59	0 16	S 10
M 11	0 5	11 36	0n28	11 13	2 14	13 26	0 28	23 52	3 9	22 46	0 33	17 58	0 44	16 59	0 16	M 11
T 12	0n18	17 44	1 47	10 42	2 17	13 53	0 31	23 48	3 7	22 46	0 33	17 57	0 44	17 0	0 16	T 12
W 13	0 42	22 46	2 59	10 10	2 19	14 20	0 34	23 44	3 5	22 46	0 33	17 55	0 44	17 1	0 16	W 13
T 14	1 6	26 20	3 58	9 36	2 21	14 47	0 38	23 40	3 3	22 46	0 33	17 54	0 45	17 2	0 16	T 14
F 15	1 29	28 9	4 41	9 1	2 22	15 13	0 41	23 36	3 2	22 46	0 33	17 53	0 45	17 2	0 16	F 15
S 16	1 53	28 11	5 7	8 24	2 23	15 39	0 44	23 31	3 0	22 47	0 33	17 51	0 45	17 3	0 16	S 16
S 17	2 16	26 31	5 16	7 47	2 23	16 4	0 48	23 27	2 58	22 47	0 33	17 50	0 45	17 4	0 16	S 17
M 18	2 40	23 26	5 7	7 8	2 23	16 29	0 51	23 23	2 56	22 47	0 33	17 49	0 45	17 5	0 16	M 18
T 19	3 3	19 14	4 43	6 28	2 22	16 54	0 54	23 18	2 54	22 47	0 33	17 47	0 45	17 6	0 16	T 19
W 20	3 27	14 16	4 6	5 47	2 21	17 19	0 58	23 13	2 52	22 47	0 33	17 46	0 45	17 6	0 16	W 20
T 21	3 50	8 47	3 17	5 5	2 19	17 42	1 1	23 8	2 50	22 47	0 33	17 45	0 45	17 7	0 16	T 21
F 22	4 13	3 2	2 20	4 21	2 17	18 6	1 4	23 3	2 48	22 47	0 33	17 43	0 46	17 8	0 16	F 22
S 23	4 36	2s44	1 17	3 37	2 14	18 29	1 7	22 58	2 46	22 47	0 33	17 42	0 46	17 9	0 16	S 23
S 24	4 59	8 22	0 11	2 51	2 11	18 52	1 11	22 53	2 44	22 48	0 33	17 41	0 46	17 10	0 16	S 24
M 25	5 22	13 39	0s55	2 4	2 7	19 14	1 14	22 48	2 43	22 48	0 33	17 40	0 46	17 10	0 16	M 25
T 26	5 45	18 25	1 58	1 16	2 3	19 35	1 17	22 43	2 41	22 48	0 33	17 38	0 46	17 11	0 16	T 26
W 27	6 8	22 28	2 56	0 27	1 58	19 57	1 20	22 37	2 39	22 48	0 33	17 37	0 46	17 12	0 16	W 27
T 28	6 30	25 37	3 46	0n23	1 53	20 17	1 23	22 32	2 37	22 48	0 33	17 36	0 46	17 13	0 16	T 28
F 29	6 53	27 39	4 27	1 14	1 47	20 37	1 27	22 26	2 36	22 48	0 33	17 35	0 47	17 14	0 16	F 29
S 30	7 15	28 25	4 57	2 5	1 41	20 57	1 30	22 20	2 34	22 48	0 33	17 34	0 47	17 15	0 16	S 30
S 31	7n38	27s48	5s14	2n58	1s34	21n16	1n33	22n14	2n32	22s48	0n33	17s33	0s47	17n16	0s16	S 31

Julian Day Number = 2276662.5, Delta T = 244.52 sec

Ecliptic obliquity = 23°30'14, Nutation = - 0°00'07, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°03'32, Lahiri = 17°10'33 Julian Calendar 1 March 1521 == Greg. Calendar 11 March 1521

ASTRODIENST EPHEMERIS for the year 1521

geocentric

APRIL 1521 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	13 14 12	20°25'14	28°11	13°7	29°8 9	2°19	23°R33	13°38	19°8 3	2°47	11°49	23°R52	24°7 8	13°58	18°49	M 1
T 2	13 18 8	21°23'51	11°12	15° 7	0°11 19	2°38	23°33	13°42	19° 6	2°49	11°49	23°Y52	24° 5	14° 5	18°51	T 2
W 3	13 22 5	22°22'26	24°38	17°10	1°28	2°58	23°32	13°46	19° 9	2°50	11°50	23°52	24° 2	14°11	18°54	W 3
T 4	13 26 1	23°21'00	8°31	19°13	2°38	3°18	23°32	13°50	19°12	2°52	11°R50	23°52	23°59	14°18	18°56	T 4
F 5	13 29 58	24°19'31	22°50	21°18	3°48	3°38	23°31	13°53	19°16	2°53	11°50	23°D52	23°55	14°25	18°59	F 5
S 6	13 33 55	25°18'01	7°32	23°24	4°57	3°59	23°30	13°57	19°19	2°55	11°49	23°52	23°52	14°31	19° 1	S 6
S 7	13 37 51	26°16'29	22°30	25°31	6° 6	4°20	23°29	14° 1	19°22	2°57	11°49	23°R52	23°49	14°38	19° 3	S 7
M 8	13 41 48	27°14'56	7°38	27°38	7°15	4°42	23°28	14° 4	19°25	2°58	11°49	23°52	23°46	14°45	19° 6	M 8
T 9	13 45 44	28°13'20	22°45	29°47	8°24	5° 3	23°26	14° 8	19°29	3° 0	11°49	23°52	23°43	14°51	19° 8	T 9
W10	13 49 41	29°11'43	7°43	1°55	9°33	5°25	23°25	14°11	19°32	3° 1	11°49	23°51	23°40	14°58	19°10	W10
T 11	13 53 37	0°10'03	22°24	4° 4	10°42	5°48	23°23	14°15	19°35	3° 3	11°49	23°51	23°36	15° 5	19°12	T 11
F 12	13 57 34	1° 8'22	6°43	6°13	11°51	6°10	23°21	14°18	19°39	3° 4	11°49	23°50	23°33	15°11	19°14	F 12
S 13	14 1 30	2° 6'38	20°38	8°21	12°59	6°33	23°18	14°21	19°42	3° 5	11°48	23°50	23°30	15°18	19°16	S 13
S 14	14 5 27	3° 4'53	4° 8	10°29	14° 7	6°57	23°16	14°24	19°45	3° 7	11°48	23°D49	23°27	15°25	19°18	S 14
M15	14 9 24	4° 3'05	17°15	12°35	15°15	7°20	23°13	14°27	19°49	3° 8	11°48	23°50	23°24	15°31	19°20	M15
T 16	14 13 20	5° 1'15	0°12	14°41	16°23	7°44	23°11	14°30	19°52	3° 9	11°47	23°50	23°20	15°38	19°22	T 16
W17	14 17 17	5°59'23	12°30	16°45	17°31	8° 8	23° 8	14°33	19°56	3°11	11°47	23°51	23°17	15°45	19°24	W17
T 18	14 21 13	6°57'29	24°45	18°47	18°39	8°33	23° 5	14°36	19°59	3°12	11°47	23°53	23°14	15°51	19°26	T 18
F 19	14 25 10	7°55'33	6°50	20°46	19°47	8°57	23° 1	14°39	20° 2	3°13	11°46	23°54	23°11	15°58	19°27	F 19
S 20	14 29 6	8°53'35	18°46	22°44	20°54	9°22	22°58	14°41	20° 6	3°14	11°46	23°R54	23° 8	16° 5	19°29	S 20
S 21	14 33 3	9°51'36	0°38	24°39	22° 1	9°47	22°54	14°44	20° 9	3°15	11°45	23°54	23° 5	16°11	19°30	S 21
M22	14 36 59	10°49'35	12°27	26°31	23° 8	10°13	22°50	14°46	20°13	3°17	11°45	23°53	23° 1	16°18	19°32	M22
T 23	14 40 56	11°47'33	24°16	28°20	24°15	10°38	22°46	14°48	20°16	3°18	11°44	23°51	22°58	16°25	19°33	T 23
W24	14 44 53	12°45'28	6° 6	0°12	25°22	11° 4	22°42	14°50	20°20	3°19	11°44	23°49	22°55	16°31	19°35	W24
T 25	14 48 49	13°43'23	18° 0	1°49	26°28	11°30	22°38	14°53	20°23	3°20	11°43	23°46	22°52	16°38	19°36	T 25
F 26	14 52 46	14°41'16	0° 3	3°28	27°34	11°56	22°33	14°55	20°27	3°21	11°42	23°43	22°49	16°45	19°37	F 26
S 27	14 56 42	15°39'08	12°11	5° 4	28°41	12°23	22°29	14°56	20°30	3°22	11°42	23°40	22°45	16°51	19°38	S 27
S 28	15 0 39	16°36'58	24°33	6°37	29°46	12°50	22°24	14°58	20°34	3°23	11°41	23°37	22°42	16°58	19°40	S 28
M29	15 4 35	17°34'48	7°11	8° 6	0°52	13°17	22°19	15° 0	20°37	3°24	11°40	23°36	22°39	17° 5	19°41	M29
T 30	15 8 32	18°32'36	20° 8	9°11	1°58	13°44	22°14	15° 2	20°41	3°25	11°40	23°D35	22°Y36	17°11	19°42	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	8n 0	25s45	5s17	3n51	1s27	21n35	1n36	22n 8	2n30	22s48	0n33	17s32	0s47	17n16	0s16	11s12	0s45	21s49	1n10	9n17	9n23	17s45	9s11	6n21	
T 2	8 22	22 19	5 3	4 45	1 19	21 53	1 39	22 2	2 29	22 48	0 33	17 31	0 47	17 17	0 16	11 12	0 45	21 49	1 9	9 17	9 22	17 47	9 10	6 21	
W 3	8 44	17 38	4 33	5 40	1 11	22 10	1 42	21 56	2 27	22 48	0 33	17 30	0 47	17 18	0 16	11 11	0 45	21 49	1 9	9 17	9 21	17 50	9 9	6 22	
T 4	9 6	11 53	3 46	6 35	1 3	22 27	1 45	21 50	2 25	22 48	0 33	17 29	0 47	17 19	0 16	11 11	0 45	21 49	1 9	9 17	9 20	17 53	9 8	6 22	
F 5	9 27	5 22	2 44	7 30	0 54	22 44	1 48	21 43	2 24	22 48	0 33	17 28	0 48	17 20	0 16	11 10	0 45	21 50	1 9	9 17	9 18	17 56	9 7	6 22	
S 6	9 49	1n37	1 30	8 26	0 44	23 0	1 51	21 37	2 22	22 48	0 33	17 27	0 48	17 21	0 16	11 10	0 45	21 50	1 9	9 17	9 17	17 59	9 6	6 23	
S 7	10 10	8 40	0 8	9 21	0 34	23 15	1 53	21 30	2 21	22 48	0 33	17 26	0 48	17 22	0 16	11 9	0 45	21 50	1 9	9 17	9 16	18 1	9 5	6 23	
M 8	10 31	15 17	1n16	10 17	0 24	23 29	1 56	21 23	2 19	22 48	0 33	17 25	0 48	17 23	0 16	11 8	0 45	21 50	1 9	9 17	9 15	18 4	9 4	6 23	
T 9	10 52	20 59	2 34	11 12	0 14	23 43	1 59	21 16	2 17	22 48	0 33	17 24	0 48	17 24	0 16	11 8	0 45	21 50	1 9	9 17	9 14	18 7	9 3	6 24	
W10	11 13	25 17	3 40	12 7	0 3	23 57	2 1	21 9	2 16	22 48	0 33	17 23	0 48	17 25	0 16	11 7	0 45	21 50	1 9	9 17	9 13	18 10	9 2	6 24	
T 11	11 34	27 48	4 31	13 1	0n 7	24 9	2 4	21 2	2 14	22 48	0 33	17 22	0 48	17 25	0 16	11 7	0 45	21 50	1 9	9 17	9 11	18 12	9 1	6 24	
F 12	11 54	28 23	5 3	13 55	0 18	24 22	2 7	20 55	2 13	22 48	0 33	17 22	0 49	17 26	0 16	11 6	0 45	21 50	1 9	9 16	9 10	18 15	9 0	6 25	
S 13	12 14	27 8	5 17	14 47	0 29	24 33	2 9	20 48	2 11	22 48	0 33	17 21	0 49	17 27	0 16	11 6	0 45	21 50	1 9	9 16	9 9	18 18	8 59	6 25	
S 14	12 34	24 19	5 12	15 38	0 39	24 44	2 11	20 41	2 10	22 47	0 33	17 20	0 49	17 28	0 16	11 6	0 45	21 50	1 9	9 16	9 8	18 21	8 58	6 25	
M15	12 54	20 19	4 51	16 27	0 50	24 54	2 14	20 33	2 8	22 47	0 33	17 19	0 49	17 29	0 16	11 5	0 45	21 50	1 9	9 16	9 7	18 23	8 57	6 26	
T 16	13 14	15 29	4 16	17 15	1 0	25 4	2 16	20 25	2 7	22 47	0 32	17 19	0 49	17 30	0 16	11 5	0 45	21 50	1 9	9 17	9 5	18 26	8 56	6 26	
W17	13 33	10 7	3 30	18 0	1 10	25 13	2 18	20 18	2 5	22 47	0 32	17 18	0 49	17 31	0 16	11 4	0 45	21 51	1 9	9 17	9 4	18 29	8 55	6 26	
T 18	13 52	4 27	2 35	18 44	1 20	25 21	2 20	20 10	2 4	22 47	0 32	17 17	0 50	17 32	0 16	11 4	0 45	21 51	1 8	9 17	9 3	18 32	8 54	6 27	
F 19	14 11	1s18	1 33	19 25	1 29	25 28	2 22	20 2	2 2	22 47	0 32	17 17	0 50	17 33	0 16	11 3	0 45	21 51	1 8	9 18	9 2	18 34	8 53	6 27	
S 20	14 30	6 56	0 28	20 4	1 37	25 35	2 24	19 54	2 1	22 47	0 32	17 16	0 50	17 34	0 16	11 3	0 45	21 51	1 8	9 18	9 1	18 37	8 53	6 28	
S 21	14 49	12 18	0s37	20 41	1 45	25 42	2 26	19 46	1 59	22 47	0 32	17 15	0 50	17 35	0 16	11 3	0 45	21 51	1 8	9 18	9 0	18 40	8 52	6 28	
M22	15 7	17 13	1 41	21 15	1 53	25 47	2 28	19 38	1 58	22 46	0 32	17 15	0 50	17 36	0 16	11 2	0 45	21 51	1 8	9 18	8 58	18 42	8 51	6 28	
T 23	15 25	21 28	2 40	21 47	2 0	25 52	2 30	19 29	1 57	22 46	0 32	17 14	0 50	17 37	0 16	11 2	0 45	21 51	1 8	9 17	8 57	18 45	8 50	6 29	
W24	15 43	24 52	3 32	22 16	2 6	25 57	2 31	19 21	1 55	22 46	0 32	17 14	0 50	17 38	0 16	11 1	0 45	21 51	1 8	9 16	8 56	18 48	8 49	6 29	
T 25	16 0	27 12	4 16	22 43	2 11	26 0	2 33	19 12	1 54	22 46	0 32	17 13	0 51	17 39	0 16	11 1	0 46	21 51	1 8	9 15	8 55	18 51	8 49	6 29	
F 26	16 17	28 19	4 48	23 7	2 15	26 3	2 34	19 4	1 53	22 46	0 32	17 13	0 51	17 39	0 16	11 1	0 46	21 52	1 8	9 14	8 54	18 53	8 48	6 30	
S 27	16 34	28 4	5 8	23 29	2 19	26 5	2 36	18 55	1 51	22 45	0 32	17 13	0 51	17 40	0 16	11 0	0 46	21 52	1 8	9 13	8 52	18 56	8 47	6 30	
S 28	16 51	26 26	5 15	23 48	2 22	26 7	2 37	18 46	1 50	22 45	0 32	17 12	0 51	17 41	0 16	11 0	0 46	21 52	1 8	9 12	8 51	18 59	8 46	6 31	
M29	17 7	23 27	5 6	24 5	2 24	26 8	2 38	18 37	1 49	22 45	0 32	17 12	0 51	17 42	0 16	11 0	0 46	21 52	1 8	9 11	8 50	19 1	8 46	6 31	
T 30	17n23	19s16	4s42	24n20	2n25	26n 8	2n39	18n28	1n47	22s45	0n32	17s11	0s51	17n43	0s16	11s 0	0s46	21s52	1n 8	9n11	8n49	19s 4	8s45	6n31	

ASTRODIENST EPHEMERIS for the year 1521
geocentric

MAY 1521 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	15 12 28	19°30'22	3°27	10°53	3°35	14°11	22°R 9	15°33	20°44	3°26	11°R39	23°Y36	22°Y33	17°M18	19°43	W 1
T 2	15 16 25	20°28'08	17°10	12°11	4° 8	14°39	22°R 3	15° 5	20°48	3°26	11°R38	23°37	22°30	17°25	19°43	T 2
F 3	15 20 22	21°25'52	1°19	13°25	5°13	15° 6	21°58	15° 6	20°51	3°27	11°37	23°39	22°26	17°31	19°44	F 3
S 4	15 24 18	22°23'36	15°52	14°36	6°18	15°34	21°52	15° 7	20°55	3°28	11°36	23°40	22°23	17°38	19°45	S 4
S 5	15 28 15	23°21'18	0°46	15°42	7°22	16° 2	21°47	15° 8	20°58	3°29	11°36	23°R40	22°20	17°45	19°46	S 5
M 6	15 32 11	24°18'59	15°54	16°45	8°26	16°31	21°41	15° 9	21° 2	3°29	11°35	23°38	22°17	17°51	19°46	M 6
T 7	15 36 8	25°16'39	1°11	17°43	9°30	16°59	21°35	15°10	21° 5	3°30	11°34	23°35	22°14	17°58	19°47	T 7
W 8	15 40 4	26°14'18	16°15	18°38	10°34	17°28	21°28	15°11	21° 9	3°31	11°33	23°31	22°11	18° 4	19°47	W 8
T 9	15 44 1	27°11'55	1°59	19°28	11°37	17°57	21°22	15°12	21°12	3°31	11°32	23°27	22° 7	18°11	19°48	T 9
F 10	15 47 57	28° 9'32	15°41	20°15	12°40	18°26	21°16	15°13	21°16	3°32	11°31	23°22	22° 4	18°18	19°48	F 10
S 11	15 51 54	29° 7'06	29°47	20°57	13°43	18°55	21° 9	15°13	21°19	3°33	11°30	23°18	22° 1	18°24	19°48	S 11
S 12	15 55 51	0°11' 439	13°24	21°34	14°46	19°25	21° 3	15°14	21°23	3°33	11°29	23°15	21°58	18°31	19°49	S 12
M13	15 59 47	1° 2'11	26°33	22° 7	15°48	19°54	20°56	15°14	21°26	3°34	11°28	23°D14	21°55	18°38	19°49	M13
T 14	16 3 44	1°59'41	9°18	22°36	16°50	20°24	20°49	15°14	21°30	3°34	11°27	23°14	21°51	18°44	19°49	T 14
W15	16 7 40	2°57'10	21°43	23° 0	17°52	20°54	20°42	15°15	21°33	3°34	11°26	23°15	21°48	18°51	19°R49	W15
T 16	16 11 37	3°54'37	3°52	23°20	18°53	21°24	20°35	15°R15	21°36	3°35	11°25	23°17	21°45	18°58	19°49	T 16
F 17	16 15 33	4°52'04	15°50	23°34	19°55	21°54	20°28	15°15	21°40	3°35	11°24	23°18	21°42	19° 4	19°49	F 17
S 18	16 19 30	5°49'29	27°40	23°45	20°55	22°25	20°21	15°15	21°43	3°35	11°23	23°R18	21°39	19°11	19°49	S 18
S 19	16 23 26	6°46'53	9°18	23°50	21°56	22°55	20°14	15°14	21°47	3°36	11°22	23°17	21°36	19°18	19°48	S 19
M20	16 27 23	7°44'16	21°16	23°R51	22°56	23°26	20° 7	15°14	21°50	3°36	11°20	23°13	21°32	19°24	19°48	M20
T 21	16 31 20	8°41'38	3°37	23°48	23°55	23°57	19°59	15°14	21°53	3°36	11°19	23° 8	21°29	19°31	19°48	T 21
W22	16 35 16	9°38'59	15° 3	23°40	24°55	24°28	19°52	15°13	21°57	3°36	11°18	23° 0	21°26	19°38	19°47	W22
T 23	16 39 13	10°36'20	27° 5	23°28	25°53	24°59	19°45	15°12	22° 0	3°37	11°17	22°52	21°23	19°44	19°47	T 23
F 24	16 43 9	11°33'39	9°35	23°12	26°52	25°30	19°37	15°12	22° 4	3°37	11°16	22°43	21°20	19°51	19°46	F 24
S 25	16 47 6	12°30'58	21°35	22°52	27°50	26° 1	19°30	15°11	22° 7	3°37	11°14	22°35	21°17	19°58	19°46	S 25
S 26	16 51 2	13°28'17	4°36	22°29	28°48	26°33	19°22	15°10	22°10	3°37	11°13	22°28	21°13	20° 4	19°45	S 26
M27	16 54 59	14°25'35	16°50	22° 3	29°45	27° 5	19°14	15° 9	22°14	3°37	11°12	22°22	21°10	20°11	19°44	M27
T 28	16 58 56	15°22'52	29°48	21°34	0°14	27°36	19° 7	15° 8	22°17	3°R37	11°11	22°19	21° 7	20°18	19°44	T 28
W29	17 2 52	16°20'09	13°36	21° 3	1°38	28° 8	18°59	15° 7	22°20	3°37	11° 9	22°D18	21° 4	20°24	19°43	W29
T 30	17 6 49	17°17'26	26°41	20°30	2°33	28°40	18°52	15° 6	22°23	3°37	11° 8	22°18	21° 1	20°31	19°42	T 30
F 31	17 10 45	18°11'42	10°Y38	19°11	3°12	29°12	18°44	15°33	22°27	3°37	11° 7	22°Y19	20°Y57	20°M38	19°41	F 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
W 1	17n39	14s 1 4s 2	24n32	2n26	26n 8	2n40	18n19	1n46	22s45	0n32	17s11	0s52	17n44	0s16	10s59	0s46
T 2	17 55	7 57	3 7	24 43	2 25	26 7	2 41	18 9	1 45	22 44	0 32	17 11	0 52	17 45	0 16	10 59
F 3	18 10	1 18	2 0	24 51	2 24	26 5	2 42	18 0	1 43	22 44	0 32	17 11	0 52	17 46	0 16	10 59
S 4	18 25	5n36	0 43	24 57	2 21	26 3	2 42	17 50	1 42	22 44	0 32	17 10	0 52	17 47	0 16	10 58
S 5	18 40	12 23	0n39	25 1	2 18	26 0	2 43	17 41	1 41	22 43	0 31	17 10	0 52	17 48	0 16	10 58
M 6	18 54	18 32	1 59	25 4	2 14	25 57	2 43	17 31	1 40	22 43	0 31	17 10	0 52	17 49	0 16	10 58
T 7	19 8	23 33	3 11	25 4	2 9	25 53	2 43	17 21	1 38	22 43	0 31	17 10	0 53	17 50	0 16	10 58
W 8	19 22	26 55	4 9	25 3	2 3	25 48	2 43	17 11	1 37	22 43	0 31	17 10	0 53	17 51	0 15	10 58
T 9	19 35	28 19	4 49	25 0	1 56	25 42	2 43	17 1	1 36	22 42	0 31	17 10	0 53	17 52	0 15	10 57
F 10	19 48	27 42	5 9	24 56	1 48	25 36	2 43	16 51	1 35	22 42	0 31	17 10	0 53	17 52	0 15	10 57
S 11	20 1	25 18	5 10	24 50	1 39	25 30	2 43	16 40	1 34	22 42	0 31	17 10	0 53	17 53	0 15	10 57
S 12	20 13	21 31	4 53	24 43	1 29	25 23	2 43	16 30	1 32	22 41	0 31	17 10	0 53	17 54	0 15	10 57
M13	20 25	16 47	4 21	24 35	1 19	25 15	2 42	16 20	1 31	22 41	0 31	17 10	0 54	17 55	0 15	10 57
T 14	20 37	11 27	3 37	24 25	1 8	25 6	2 41	16 9	1 30	22 40	0 31	17 10	0 54	17 56	0 15	10 57
W15	20 48	5 48	2 43	24 14	0 55	24 58	2 41	15 58	1 29	22 40	0 31	17 10	0 54	17 57	0 15	10 56
T 16	20 59	0 3	1 44	24 2	0 42	24 48	2 40	15 47	1 28	22 40	0 31	17 10	0 54	17 58	0 15	10 56
F 17	21 10	5s37	0 41	23 49	0 29	24 38	2 39	15 37	1 27	22 39	0 30	17 10	0 54	17 59	0 15	10 56
S 18	21 20	11 3	0s24	23 35	0 14	24 28	2 37	15 26	1 26	22 39	0 30	17 11	0 54	18 0	0 15	10 56
S 19	21 30	16 3	1 27	23 21	0s 1	24 17	2 36	15 14	1 24	22 38	0 30	17 11	0 55	18 1	0 15	10 56
M20	21 40	20 28	2 26	23 5	0 17	24 5	2 34	15 3	1 23	22 38	0 30	17 11	0 55	18 2	0 15	10 56
T 21	21 49	24 5	3 18	22 49	0 33	23 53	2 33	14 52	1 22	22 38	0 30	17 11	0 55	18 2	0 15	10 56
W22	21 57	26 41	4 3	22 32	0 49	23 41	2 31	14 41	1 21	22 37	0 30	17 12	0 55	18 3	0 15	10 56
T 23	22 6	28 5	4 37	22 14	1 6	23 28	2 29	14 29	1 20	22 37	0 30	17 12	0 55	18 4	0 15	10 56
F 24	22 14	28 9	4 58	21 56	1 23	23 14	2 27	14 18	1 19	22 36	0 30	17 12	0 55	18 5	0 15	10 56
S 25	22 21	26 49	5 7	21 38	1 41	23 0	2 24	14 6	1 18	22 36	0 30	17 13	0 56	18 6	0 15	10 56
S 26	22 29	24 9	5 1	21 20	1 58	22 46	2 22	13 54	1 17	22 35	0 29	17 13	0 56	18 7	0 15	10 56
M27	22 36	20 16	4 40	21 2	2 14	22 31	2 19	13 42	1 16	22 35	0 29	17 14	0 56	18 8	0 15	10 56
T 28	22 42	15 22	4 4	20 44	2 31	22 16	2 16	13 30	1 15	22 34	0 29	17 14	0 56	18 8	0 15	10 56
W29	22 48	9 40	3 15	20 26	2 47	22 1	2 13	13 18	1 14	22 34	0 29	17 15	0 56	18 9	0 15	10 56
T 30	22 54	3 22	2 13	20 8	3 2	21 45	2 10	13 6	1 13	22 33	0 29	17 15	0 56	18 10	0 15	10 56
F 31	22n59	3n16	1s 2	19n52	3s16	21n29	2n 7	12n54	1n11	22s33	0n29	17s16	0s57	18n11	0s15	10s56

Julian Day Number = 2276723.5, Delta T = 244.14 sec
Ecliptic obliquity = 23°30'14", Nutation = - 0°00'07", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°03'41", Lahiri = 17°10'41" Julian Calendar 1 May 1521 == Greg. Calendar 11 May 1521

ASTRODIENST EPHEMERIS for the year 1521

geocentric

JUNE 1521 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	17 14 42	19°11'58	24°57	19°R23	4°L23	29°L45	18°R36	15°R 3	22°R30	3°R37	11°R 5	22°R19	20°Y54	20°M44	19°R40	S 1
S 2	17 18 38	20° 9'14	9°R36	18°R49	5°18	0°M17	18°R29	15°R 1	22°33	3°R36	11°R 4	22°Y18	20°51	20°51	19°R39	S 2
M 3	17 22 35	21° 6'30	24°30	18°15	6°11	0°50	18°21	15° 0	22°36	3°36	11° 3	22°15	20°48	20°58	19°38	M 3
T 4	17 26 31	22° 3'46	9°R34	17°43	7° 4	1°22	18°13	14°58	22°39	3°36	11° 1	22° 9	20°45	21° 4	19°36	T 4
W 5	17 30 28	23° 1'01	24°37	17°13	7°57	1°55	18° 6	14°56	22°43	3°36	11° 0	22° 1	20°42	21°11	19°35	W 5
T 6	17 34 25	23°58'15	9°R30	16°45	8°49	2°28	17°58	14°54	22°46	3°36	10°58	21°52	20°38	21°18	19°34	T 6
F 7	17 38 21	24°55'30	24° 5	16°20	9°40	3° 1	17°50	14°52	22°49	3°35	10°57	21°43	20°35	21°24	19°32	F 7
S 8	17 42 18	25°52'43	8°L15	15°58	10°31	3°34	17°43	14°50	22°52	3°35	10°56	21°34	20°32	21°31	19°31	S 8
S 9	17 46 14	26°49'57	21°57	15°39	11°21	4° 7	17°35	14°48	22°55	3°34	10°54	21°27	20°29	21°38	19°29	S 9
M10	17 50 11	27°47'09	5°M10	15°25	12°10	4°41	17°28	14°46	22°58	3°34	10°53	21°23	20°26	21°44	19°28	M10
T 11	17 54 7	28°44'21	17°58	15°15	12°58	5°14	17°20	14°43	23° 1	3°34	10°51	21°21	20°23	21°51	19°26	T 11
W12	17 58 4	29°41'33	0°L23	15° 9	13°46	5°48	17°13	14°41	23° 4	3°33	10°50	21°D20	20°19	21°58	19°25	W12
T 13	18 2 0	0°R38'44	12°31	15°D 8	14°33	6°22	17° 6	14°38	23° 7	3°33	10°48	21°21	20°16	22° 4	19°23	T 13
F 14	18 5 57	1°35'54	24°28	15°11	15°19	6°55	16°59	14°36	23°10	3°32	10°47	21°R21	20°13	22°11	19°21	F 14
S 15	18 9 54	2°33'05	6°M17	15°19	16° 4	7°29	16°51	14°33	23°13	3°32	10°46	21°20	20°10	22°18	19°19	S 15
S 16	18 13 50	3°30'15	18° 5	15°33	16°48	8° 3	16°44	14°30	23°16	3°31	10°44	21°17	20° 7	22°24	19°17	S 16
M17	18 17 47	4°27'25	29°55	15°51	17°31	8°37	16°37	14°28	23°18	3°30	10°43	21°11	20° 3	22°31	19°16	M17
T 18	18 21 43	5°24'34	11°R50	16°14	18°14	9°12	16°30	14°25	23°21	3°30	10°41	21° 3	20° 0	22°38	19°14	T 18
W19	18 25 40	6°21'44	23°54	16°43	18°55	9°46	16°24	14°22	23°24	3°29	10°40	20°53	19°57	22°44	19°12	W19
T 20	18 29 36	7°18'54	6°R 7	17°16	19°35	10°20	16°17	14°19	23°27	3°28	10°38	20°40	19°54	22°51	19°10	T 20
F 21	18 33 33	8°16'04	18°31	17°54	20°14	10°55	16°10	14°16	23°29	3°28	10°37	20°28	19°51	22°58	19° 7	F 21
S 22	18 37 29	9°13'14	1°R 6	18°37	20°52	11°29	16° 4	14°12	23°32	3°27	10°35	20°15	19°48	23° 4	19° 5	S 22
S 23	18 41 26	10°10'24	13°52	19°25	21°29	12° 4	15°57	14° 9	23°35	3°26	10°34	20° 5	19°44	23°11	19° 3	S 23
M24	18 45 23	11° 7'34	26°50	20°17	22° 5	12°39	15°51	14° 6	23°37	3°25	10°32	19°56	19°41	23°18	19° 1	M24
T 25	18 49 19	12° 4'45	10°R 0	21°15	22°39	13°14	15°45	14° 2	23°40	3°24	10°31	19°51	19°38	23°24	18°59	T 25
W26	18 53 16	13° 1'56	23°22	22°17	23°12	13°49	15°39	13°59	23°43	3°23	10°29	19°48	19°35	23°31	18°56	W26
T 27	18 57 12	13°59'08	6°Y59	23°23	23°44	14°24	15°33	13°55	23°45	3°22	10°28	19°47	19°32	23°38	18°54	T 27
F 28	19 1 9	14°56'21	20°50	24°35	24°14	14°59	15°27	13°52	23°48	3°22	10°26	19°47	19°29	23°44	18°51	F 28
S 29	19 5 5	15°53'34	4°R58	25°50	24°43	15°34	15°21	13°48	23°50	3°21	10°25	19°46	19°25	23°51	18°49	S 29
S 30	19 9 2	16°50'48	19°R20	27°R10	25°L11	16°M10	15°R15	13°R45	23°R52	3°R20	10°R23	19°Y44	19°Y22	23°M58	18°R46	S 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	decl lat	decl lat	decl lat
S 1	23n 4	9n54	0n14	19n36	3s30	21n12	2n 3	12n41	1n10	22s32	0n29	17s16	0s57	18n12	0s15	10s56
S 2	23 8	16 10	1 31	19 21	3 42	20 55	1 59	12 29	1 9	22 32	0 29	17 17	0 57	18 13	0 15	10 56
M 3	23 12	21 35	2 43	19 7	3 53	20 38	1 55	12 16	1 8	22 31	0 28	17 17	0 57	18 13	0 15	10 56
T 4	23 16	25 39	3 45	18 54	4 3	20 21	1 51	12 4	1 7	22 31	0 28	17 18	0 57	18 14	0 15	10 57
W 5	23 19	27 54	4 30	18 43	4 11	20 3	1 47	11 51	1 6	22 30	0 28	17 19	0 57	18 15	0 15	10 57
T 6	23 22	28 6	4 57	18 34	4 18	19 45	1 42	11 38	1 5	22 30	0 28	17 20	0 58	18 16	0 15	10 57
F 7	23 24	26 20	5 4	18 26	4 24	19 27	1 38	11 26	1 4	22 29	0 28	17 20	0 58	18 17	0 15	10 57
S 8	23 26	22 56	4 51	18 19	4 28	19 8	1 33	11 13	1 3	22 29	0 28	17 21	0 58	18 17	0 15	10 57
S 9	23 28	18 22	4 22	18 15	4 30	18 49	1 28	11 0	1 2	22 28	0 28	17 22	0 58	18 18	0 15	10 57
M10	23 29	13 3	3 40	18 12	4 32	18 31	1 22	10 46	1 1	22 27	0 27	17 23	0 58	18 19	0 15	10 57
T 11	23 30	7 21	2 48	18 11	4 32	18 11	1 17	10 33	1 0	22 27	0 27	17 23	0 58	18 20	0 15	10 58
W12	23 30	1 31	1 49	18 12	4 30	17 52	1 11	10 20	0 59	22 26	0 27	17 24	0 59	18 20	0 15	10 58
T 13	23 30	4s14	0 47	18 14	4 27	17 33	1 5	10 6	0 59	22 26	0 27	17 25	0 59	18 21	0 15	10 58
F 14	23 30	9 46	0s17	18 19	4 24	17 13	0 58	9 53	0 58	22 25	0 27	17 26	0 59	18 22	0 15	10 58
S 15	23 29	14 53	1 19	18 25	4 19	16 53	0 52	9 40	0 57	22 25	0 27	17 27	0 59	18 23	0 15	10 59
S 16	23 27	19 27	2 17	18 32	4 12	16 34	0 45	9 26	0 56	22 24	0 26	17 28	0 59	18 23	0 15	10 59
M17	23 26	23 16	3 10	18 41	4 5	16 14	0 38	9 12	0 55	22 24	0 26	17 29	0 59	18 24	0 15	10 59
T 18	23 24	26 8	3 54	18 51	3 57	15 54	0 31	8 58	0 54	22 23	0 26	17 30	0 59	18 25	0 15	10 59
W19	23 21	27 50	4 29	19 3	3 48	15 34	0 24	8 45	0 53	22 23	0 26	17 31	1 0	18 26	0 15	11 0
T 20	23 18	28 13	4 51	19 16	3 39	15 14	0 16	8 31	0 52	22 22	0 26	17 32	1 0	18 26	0 15	11 0
F 21	23 15	27 11	5 0	19 29	3 29	14 54	0 8	8 17	0 51	22 22	0 26	17 33	1 0	18 27	0 15	11 0
S 22	23 11	24 46	4 55	19 44	3 18	14 34	0s 0	8 3	0 50	22 21	0 25	17 34	1 0	18 28	0 15	11 1
S 23	23 7	21 6	4 35	19 59	3 6	14 15	0 9	7 49	0 49	22 21	0 25	17 35	1 0	18 28	0 15	11 1
M24	23 2	16 23	4 1	20 15	2 54	13 55	0 17	7 34	0 48	22 20	0 25	17 36	1 0	18 29	0 15	11 1
T 25	22 57	10 50	3 14	20 31	2 42	13 35	0 26	7 20	0 47	22 20	0 25	17 37	1 0	18 30	0 15	11 2
W26	22 52	4 42	2 15	20 48	2 29	13 16	0 35	7 6	0 46	22 19	0 25	17 39	1 1	18 30	0 15	11 2
T 27	22 46	1n45	1 7	21 4	2 16	12 56	0 45	6 51	0 46	22 19	0 25	17 40	1 1	18 31	0 15	11 2
F 28	22 40	8 15	0n 6	21 21	2 3	12 37	0 55	6 37	0 45	22 18	0 24	17 41	1 1	18 31	0 15	11 3
S 29	22 33	14 27	1 19	21 37	1 49	12 18	1 4	6 22	0 44	22 18	0 24	17 42	1 1	18 32	0 15	11 3
S 30	22n26	20n 0	2n29	21n53	1s36	11n59	1s15	6n 8	0n43	22s17	0n24	17s43	1s 1	18n33	0s15	11s 3

Julian Day Number = 2276754.5, Delta T = 243.95 sec
 Ecliptic obliquity = 23°30'13", Nutation = - 0°00'07", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 18°03'45", Lahiri = 17°10'46" Julian Calendar 1 June 1521 == Greg. Calendar 11 June 1521

ASTRODIENST EPHEMERIS for the year 1521

geocentric

JULY 1521 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	19 12 58	17°48'02	3°11'55	28°11'35	25°10'37	16°10'45	15°10'10	13°10'41	23°10'55	3°10'19	10°10'22	19°10'40	19°10'19	24°10'4	18°10'44	M 1
T 2	19 16 55	18°45'18	18°38	0°3	26°1	17°21	15°10'5	13°10'37	23°10'57	3°10'18	10°10'20	19°10'33	19°10'16	24°10'11	18°10'41	T 2
W 3	19 20 52	19°42'34	3°22	1°36	26°23	17°56	15°0	13°33	24°0	3°17	10°19	19°23	19°13	24°18	18°39	W 3
T 4	19 24 48	20°39'50	18°0	3°12	26°44	18°32	14°55	13°29	24°2	3°15	10°18	19°12	19°9	24°24	18°36	T 4
F 5	19 28 45	21°37'07	2°12'24	4°53	27°3	19°8	14°50	13°25	24°4	3°14	10°16	19°1	19°6	24°31	18°33	F 5
S 6	19 32 41	22°34'25	16°27	6°37	27°20	19°44	14°45	13°21	24°6	3°13	10°15	18°50	19°3	24°38	18°31	S 6
S 7	19 36 38	23°31'43	0°10'6	8°24	27°35	20°20	14°40	13°17	24°8	3°12	10°13	18°41	19°0	24°44	18°28	S 7
M 8	19 40 34	24°29'01	13°19	10°14	27°49	20°56	14°36	13°13	24°11	3°11	10°12	18°35	18°57	24°51	18°25	M 8
T 9	19 44 31	25°26'20	26°7	12°8	28°0	21°32	14°32	13°9	24°13	3°10	10°10	18°32	18°54	24°58	18°22	T 9
W10	19 48 28	26°23'39	8°13'34	14°4	28°9	22°9	14°28	13°5	24°15	3°8	10°9	18°30	18°50	25°4	18°19	W10
T 11	19 52 24	27°20'59	20°43	16°2	28°16	22°45	14°24	13°1	24°17	3°7	10°8	18°30	18°47	25°11	18°17	T 11
F 12	19 56 21	28°18'19	2°10'40	18°3	28°21	23°22	14°20	12°56	24°19	3°6	10°6	18°30	18°44	25°18	18°14	F 12
S 13	20 0 17	29°15'40	14°31	20°5	28°23	23°58	14°16	12°52	24°21	3°5	10°5	18°29	18°41	25°25	18°11	S 13
S 14	20 4 14	0°13'01	26°20	22°8	28°23	24°35	14°13	12°48	24°22	3°3	10°3	18°26	18°38	25°31	18°8	S 14
M15	20 8 10	1°10'23	8°13	24°13	28°21	25°11	14°10	12°44	24°24	3°2	10°2	18°21	18°35	25°38	18°5	M15
T 16	20 12 7	2°7'46	20°14	26°18	28°16	25°48	14°7	12°39	24°26	3°1	10°1	18°14	18°31	25°45	18°2	T 16
W17	20 16 3	3°5'09	2°35	28°23	28°9	26°25	14°4	12°35	24°28	2°59	9°59	18°4	18°28	25°51	17°59	W17
T 18	20 20 0	4°2'34	14°49	0°12'28	28°0	27°2	14°1	12°30	24°29	2°58	9°58	17°52	18°25	25°58	17°56	T 18
F 19	20 23 57	4°59'59	2°27'28	2°34	27°48	27°39	13°59	12°26	24°31	2°57	9°57	17°40	18°22	26°5	17°53	F 19
S 20	20 27 53	5°57'25	10°10'21	4°38	27°34	28°16	13°56	12°22	24°33	2°55	9°56	17°28	18°19	26°11	17°50	S 20
S 21	20 31 50	6°54'52	23°27	6°42	27°18	28°53	13°54	12°17	24°34	2°54	9°54	17°18	18°15	26°18	17°47	S 21
M22	20 35 46	7°52'20	6°14'46	8°46	26°59	29°31	13°52	12°13	24°36	2°52	9°53	17°10	18°12	26°25	17°44	M22
T 23	20 39 43	8°49'49	20°15	10°48	26°38	0°10'8	13°50	12°8	24°37	2°51	9°52	17°5	18°9	26°31	17°41	T 23
W24	20 43 39	9°47'20	3°10'54	12°49	26°15	0°45	13°49	12°4	24°39	2°49	9°50	17°2	18°6	26°38	17°37	W24
T 25	20 47 36	10°44'52	17°42	14°49	25°50	1°23	13°47	11°59	24°40	2°48	9°49	17°D 2	18°3	26°45	17°34	T 25
F 26	20 51 32	11°42'25	1°10'38	16°48	25°22	2°1	13°46	11°55	24°41	2°46	9°48	17°2	18°0	26°51	17°31	F 26
S 27	20 55 29	12°40'00	15°43	18°46	24°53	2°38	13°45	11°50	24°43	2°45	9°47	17°R 2	17°56	26°58	17°28	S 27
S 28	20 59 26	13°37'37	29°54	20°42	24°23	3°16	13°44	11°46	24°44	2°43	9°46	17°1	17°53	27°5	17°25	S 28
M29	21 3 22	14°35'15	14°11'12	22°36	23°50	3°54	13°44	11°41	24°45	2°42	9°45	16°58	17°50	27°11	17°22	M29
T 30	21 7 19	15°32'55	28°32	24°30	23°17	4°32	13°43	11°37	24°46	2°40	9°43	16°53	17°47	27°18	17°19	T 30
W31	21 11 15	16°30'36	12°51	26°12	22°14	5°10	13°43	11°32	24°48	2°39	9°42	16°Y45	17°Y44	27°10'25	17°15	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	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	
M 1	22n19	24n26	3n31	22n 7	1s22	11n41	1s25	5n53	0n42	22s17	0n24	17s44	1s 1	18n33	0s15	M 1
T 2	22 11	27 18	4 18	22 22	1 9	11 23	1 36	5 39	0 41	22 16	0 24	17 46	1 1	18 34	0 15	T 2
W 3	22 3	28 16	4 49	22 34	0 55	11 5	1 47	5 24	0 40	22 16	0 24	17 47	1 2	18 34	0 15	W 3
T 4	21 55	27 15	5 0	22 46	0 42	10 47	1 58	5 9	0 39	22 16	0 23	17 48	1 2	18 35	0 15	T 4
F 5	21 46	24 25	4 52	22 56	0 29	10 30	2 10	4 54	0 39	22 15	0 23	17 49	1 2	18 35	0 15	F 5
S 6	21 36	20 11	4 27	23 4	0 16	10 13	2 22	4 39	0 38	22 15	0 23	17 51	1 2	18 36	0 15	S 6
S 7	21 27	15 0	3 46	23 11	0 4	9 56	2 34	4 24	0 37	22 15	0 23	17 52	1 2	18 37	0 15	S 7
M 8	21 17	9 16	2 55	23 15	0n 8	9 40	2 46	4 9	0 36	22 14	0 23	17 53	1 2	18 37	0 15	M 8
T 9	21 7	3 19	1 56	23 17	0 20	9 25	2 58	3 54	0 35	22 14	0 22	17 55	1 2	18 38	0 15	T 9
W10	20 56	2s36	0 52	23 16	0 31	9 10	3 11	3 39	0 34	22 14	0 22	17 56	1 2	18 38	0 15	W10
T 11	20 45	8 17	0s12	23 13	0 41	8 55	3 24	3 24	0 33	22 13	0 22	17 57	1 3	18 39	0 15	T 11
F 12	20 33	13 36	1 14	23 7	0 51	8 41	3 37	3 9	0 33	22 13	0 22	17 59	1 3	18 39	0 15	F 12
S 13	20 22	18 21	2 13	22 59	1 0	8 28	3 50	2 53	0 32	22 13	0 22	18 0	1 3	18 39	0 15	S 13
S 14	20 10	22 24	3 6	22 48	1 8	8 16	4 3	2 38	0 31	22 13	0 22	18 1	1 3	18 40	0 15	S 14
M15	19 57	25 32	3 51	22 34	1 15	8 4	4 17	2 23	0 30	22 12	0 21	18 3	1 3	18 40	0 15	M15
T 16	19 44	27 34	4 40	22 17	1 22	7 53	4 30	2 7	0 29	22 12	0 21	18 4	1 3	18 41	0 15	T 16
W17	19 31	28 19	4 50	21 58	1 28	7 42	4 44	1 52	0 28	22 12	0 21	18 5	1 3	18 41	0 15	W17
T 18	19 18	27 40	5 1	21 37	1 33	7 33	4 57	1 36	0 28	22 12	0 21	18 7	1 3	18 42	0 15	T 18
F 19	19 4	25 34	4 57	21 13	1 37	7 24	5 11	1 21	0 27	22 12	0 21	18 8	1 3	18 42	0 15	F 19
S 20	18 50	22 9	4 38	20 47	1 40	7 16	5 24	1 5	0 26	22 12	0 20	18 9	1 3	18 42	0 15	S 20
S 21	18 36	17 34	4 4	20 18	1 43	7 10	5 37	0 50	0 25	22 12	0 20	18 11	1 4	18 43	0 15	S 21
M22	18 21	12 6	3 17	19 48	1 45	7 4	5 50	0 34	0 24	22 12	0 20	18 12	1 4	18 43	0 15	M22
T 23	18 6	5 58	2 17	19 16	1 46	6 58	6 3	0 18	0 24	22 12	0 20	18 13	1 4	18 44	0 15	T 23
W24	17 51	0n30	1 9	18 42	1 46	6 54	6 16	0 3	0 23	22 12	0 20	18 15	1 4	18 44	0 15	W24
T 25	17 35	7 1	0n 4	18 7	1 46	6 51	6 28	0s13	0 22	22 12	0 20	18 16	1 4	18 44	0 15	T 25
F 26	17 19	13 17	1 17	17 31	1 45	6 49	6 40	0 29	0 21	22 12	0 19	18 17	1 4	18 45	0 15	F 26
S 27	17 3	18 55	2 27	16 53	1 44	6 48	6 51	0 44	0 20	22 12	0 19	18 19	1 4	18 45	0 15	S 27
S 28	16 47	23 34	3 28	16 14	1 42	6 48	7 2	1 0	0 20	22 12	0 19	18 20	1 4	18 45	0 15	S 28
M29	16 30	26 48	4 16	15 35	1 39	6 48	7 12	1 16	0 19	22 12	0 19	18 21	1 4	18 45	0 15	M29
T 30	16 13	28 19	4 49	14 54	1 36	6 50	7 22	1 32	0 18	22 12	0 19	18 23	1 4	18 46	0 15	T 30
W31	15n56	27n55	5n 3	14n13	1n33	6n52	7s31	1s48	0n17	22s12	0n18	18s24	1s 4	18n46	0s15	W31

Julian Day Number = 2276784.5, Delta T = 243.77 sec

Ecliptic obliquity = 23°30'13, Nutation = - 0°00'05, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°03'49, Lahiri = 17°10'50 Julian Calendar 1 July 1521 == Greg. Calendar 11 July 1521

ASTRODIENST EPHEMERIS for the year 1521

geocentric

AUGUST 1521 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	21 15 12	17°02'19"	27°03' 3	28°02'12"	22°R 7	5°48'	13°D43	11°R28	24°8'49"	2°R37	9°R41	16°R36	17°Y41	27°M31	17°R12	T 1
F 2	21 19 8	18°26'03"	11°05' 5	0°M 1	21°03'30"	6°26'	13°A43	11°A24	24°50'	2°K36	9°Z40	16°Y26	17°37'	27°38'	17°A 9	F 2
S 3	21 23 5	19°23'48"	24°50'	1°49'	20°53'	7° 4'	13°43'	11°19'	24°51'	2°34'	9°39'	16°18'	17°34'	27°45'	17° 6'	S 3
S 4	21 27 1	20°21'35"	8°M 16	3°35'	20°16'	7°43'	13°43'	11°15'	24°51'	2°32'	9°38'	16°10'	17°31'	27°51'	17° 3'	S 4
M 5	21 30 58	21°19'23"	21°20'	5°19'	19°39'	8°21'	13°44'	11°10'	24°52'	2°31'	9°37'	16° 5'	17°28'	27°58'	17° 0'	M 5
T 6	21 34 55	22°17'13"	4°A 4	7° 3'	19° 2'	9° 0'	13°45'	11° 6'	24°53'	2°29'	9°36'	16° 3'	17°25'	28° 5'	16°57'	T 6
W 7	21 38 51	23°15'03"	16°29'	8°45'	18°26'	9°38'	13°46'	11° 2'	24°54'	2°28'	9°35'	16°D 2	17°21'	28°11'	16°53'	W 7
T 8	21 42 48	24°12'55"	28°38'	10°25'	17°50'	10°17'	13°47'	10°57'	24°55'	2°26'	9°34'	16° 2'	17°18'	28°18'	16°50'	T 8
F 9	21 46 44	25°10'49"	10°M36	12° 5'	17°15'	10°55'	13°48'	10°53'	24°55'	2°24'	9°33'	16° 4'	17°15'	28°25'	16°47'	F 9
S 10	21 50 41	26° 8'43"	22°27'	13°43'	16°41'	11°34'	13°50'	10°49'	24°56'	2°23'	9°32'	16°R 4	17°12'	28°31'	16°44'	S 10
S 11	21 54 37	27° 6'39"	4°A18	15°19'	16° 8'	12°13'	13°52'	10°45'	24°56'	2°21'	9°31'	16° 4'	17° 9'	28°38'	16°41'	S 11
M12	21 58 34	28° 4'36"	16°12'	16°55'	15°37'	12°52'	13°54'	10°40'	24°57'	2°19'	9°30'	16° 2'	17° 6'	28°45'	16°38'	M12
T 13	22 2 30	29° 2'35"	28°15'	18°29'	15° 8'	13°31'	13°56'	10°36'	24°57'	2°18'	9°30'	15°58'	17° 2'	28°51'	16°35'	T 13
W14	22 6 27	0°M 0'35"	10°Z32	20° 1'	14°40'	14°10'	13°58'	10°32'	24°58'	2°16'	9°29'	15°53'	16°59'	28°58'	16°32'	W14
T 15	22 10 24	0°58'37"	23° 4'	21°33'	14°15'	14°49'	14° 0'	10°28'	24°58'	2°14'	9°28'	15°46'	16°56'	29° 5'	16°29'	T 15
F 16	22 14 20	1°56'40"	5°A54	23° 3'	13°51'	15°29'	14° 3'	10°24'	24°58'	2°13'	9°27'	15°38'	16°53'	29°12'	16°26'	F 16
S 17	22 18 17	2°54'44"	19° 2'	24°31'	13°30'	16° 8'	14° 6'	10°20'	24°59'	2°11'	9°27'	15°31'	16°50'	29°18'	16°23'	S 17
S 18	22 22 13	3°52'50"	2°K28	25°59'	13°11'	16°47'	14° 9'	10°16'	24°59'	2°10'	9°26'	15°25'	16°47'	29°25'	16°20'	S 18
M19	22 26 10	4°50'58"	16°10'	27°25'	12°54'	17°27'	14°12'	10°12'	24°59'	2° 8'	9°25'	15°20'	16°43'	29°32'	16°17'	M19
T 20	22 30 6	5°49'08"	0°Y 5	28°50'	12°40'	18° 6'	14°16'	10° 8'	24°59'	2° 6'	9°24'	15°17'	16°40'	29°38'	16°14'	T 20
W21	22 34 3	6°47'19"	14° 8'	0°A13	12°28'	18°46'	14°19'	10° 5'	24°59'	2° 5'	9°24'	15°D16	16°37'	29°45'	16°11'	W21
T 22	22 37 59	7°45'33"	28°18'	1°35'	12°18'	19°26'	14°23'	10° 1'	24°R59	2° 3'	9°23'	15°17'	16°34'	29°52'	16° 8'	T 22
F 23	22 41 56	8°43'48"	12°Z31	2°55'	12°11'	20° 5'	14°27'	9°57'	24°59'	2° 1'	9°23'	15°18'	16°31'	29°58'	16° 6'	F 23
S 24	22 45 53	9°42'06"	26°44'	4°14'	12° 6'	20°45'	14°31'	9°54'	24°59'	2° 0'	9°22'	15°19'	16°27'	0°A 5'	16° 3'	S 24
S 25	22 49 49	10°40'26"	10°II55	5°32'	12°D 4	21°25'	14°35'	9°50'	24°59'	1°58'	9°21'	15°R20	16°24'	0°12'	16° 0'	S 25
M26	22 53 46	11°38'48"	25° 3'	6°48'	12° 4'	22° 5'	14°39'	9°47'	24°59'	1°56'	9°21'	15°19'	16°21'	0°18'	15°57'	M26
T 27	22 57 42	12°37'12"	9°Z 6	8° 2'	12° 7'	22°45'	14°44'	9°43'	24°59'	1°55'	9°21'	15°17'	16°18'	0°25'	15°55'	T 27
W28	23 1 39	13°35'39"	23° 2'	9°15'	12°11'	23°25'	14°49'	9°40'	24°58'	1°53'	9°20'	15°13'	16°15'	0°32'	15°52'	W28
T 29	23 5 35	14°34'07"	6°0248	10°25'	12°18'	24° 5'	14°54'	9°37'	24°58'	1°52'	9°20'	15° 9'	16°12'	0°38'	15°49'	T 29
F 30	23 9 32	15°32'38"	20°22'	11°34'	12°28'	24°46'	14°59'	9°34'	24°57'	1°50'	9°19'	15° 4'	16° 8'	0°45'	15°47'	F 30
S 31	23 13 28	16°M31'10"	3°M42	12°A41	12°039	25°A26	15°A 4'	9°A30	24°R57	1°K48	9°Z19	15°Y 0	16°Y 5	0°A52	15°A44	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	15n38	25n41	4n59	13n31	1n29	6n56	7s39	2s 3	0n17	22s12	0n18	18s25	1s 4	18n46	0s15	11s19
F 2	15 21	21 56	4 37	12 49	1 24	7 0	7 47	2 19	0 16	22 12	0 18	18 27	1 5	18 47	0 15	11 20
S 3	15 3	17 1	3 59	12 6	1 19	7 5	7 53	2 35	0 15	22 13	0 18	18 28	1 5	18 47	0 15	11 21
S 4	14 44	11 24	3 8	11 22	1 14	7 11	7 59	2 51	0 14	22 13	0 18	18 29	1 5	18 47	0 16	11 21
M 5	14 26	5 25	2 9	10 39	1 9	7 17	8 4	3 7	0 13	22 13	0 18	18 30	1 5	18 47	0 16	11 22
T 6	14 7	0s39	1 4	9 55	1 3	7 25	8 8	3 23	0 13	22 13	0 17	18 32	1 5	18 47	0 16	11 22
W 7	13 48	6 32	0s 2	9 11	0 57	7 32	8 12	3 39	0 12	22 14	0 17	18 33	1 5	18 48	0 16	11 23
T 8	13 29	12 4	1 7	8 27	0 50	7 41	8 14	3 55	0 11	22 14	0 17	18 34	1 5	18 48	0 16	11 24
F 9	13 10	17 4	2 8	7 43	0 44	7 50	8 16	4 10	0 10	22 14	0 17	18 35	1 5	18 48	0 16	11 24
S 10	12 50	21 23	3 3	6 59	0 37	7 59	8 16	4 26	0 10	22 15	0 17	18 37	1 5	18 48	0 16	11 25
S 11	12 30	24 50	3 50	6 15	0 30	8 9	8 16	4 42	0 9	22 15	0 17	18 38	1 5	18 48	0 16	11 25
M12	12 10	27 14	4 28	5 31	0 22	8 18	8 15	4 58	0 8	22 16	0 16	18 39	1 5	18 48	0 16	11 26
T 13	11 50	28 23	4 54	4 48	0 15	8 29	8 13	5 14	0 7	22 16	0 16	18 40	1 5	18 48	0 16	11 27
W14	11 30	28 11	5 7	4 4	0 7	8 39	8 10	5 30	0 7	22 16	0 16	18 41	1 5	18 48	0 16	11 27
T 15	11 9	26 33	5 6	3 21	0s 1	8 49	8 7	5 46	0 6	22 17	0 16	18 43	1 5	18 49	0 16	11 28
F 16	10 49	23 31	4 49	2 58	0 9	9 0	8 3	6 2	0 5	22 17	0 16	18 44	1 5	18 49	0 16	11 28
S 17	10 28	19 14	4 18	1 36	0 17	9 10	7 58	6 18	0 5	22 18	0 16	18 45	1 5	18 49	0 16	11 29
S 18	10 7	13 54	3 31	1 13	0 25	9 21	7 53	6 33	0 4	22 18	0 15	18 46	1 5	18 49	0 16	11 30
M19	9 46	7 48	2 31	0 31	0 33	9 31	7 47	6 49	0 3	22 19	0 15	18 47	1 5	18 49	0 16	11 30
T 20	9 24	1 13	1 22	0s10	0 41	9 41	7 40	7 5	0 2	22 19	0 15	18 48	1 5	18 49	0 16	11 31
W21	9 3	5n30	0 6	0 51	0 50	9 51	7 33	7 21	0 2	22 20	0 15	18 49	1 5	18 49	0 16	11 31
T 22	8 41	12 0	1n10	1 31	0 58	10 1	7 26	7 36	0 1	22 21	0 15	18 50	1 5	18 49	0 16	11 32
F 23	8 19	17 54	2 23	2 11	1 7	10 10	7 18	7 52	0 0	22 21	0 15	18 51	1 5	18 49	0 16	11 33
S 24	7 57	22 50	3 27	2 50	1 15	10 19	7 10	8 8	0s 0	22 22	0 14	18 52	1 6	18 49	0 16	11 33
S 25	7 35	26 24	4 18	3 29	1 24	10 28	7 2	8 24	0 1	22 23	0 14	18 53	1 6	18 49	0 16	11 34
M26	7 13	28 17	4 53	4 7	1 32	10 36	6 53	8 39	0 2	22 23	0 14	18 54	1 6	18 49	0 16	11 34
T 27	6 51	28 21	5 10	4 44	1 40	10 44	6 44	8 55	0 3	22 24	0 14	18 55	1 6	18 49	0 16	11 35
W28	6 28	26 37	5 9	5 20	1 49	10 51	6 35	9 10	0 3	22 25	0 14	18 56	1 6	18 48	0 16	11 36
T 29	6 6	23 18	4 50	5 56	1 57	10 58	6 26	9 26	0 4	22 25	0 14	18 57	1 6	18 48	0 16	11 36
F 30	5 43	18 46	4 15	6 31	2 5	11 5	6 16	9 41	0 5	22 26	0 13	18 58	1 6	18 48	0 16	11 37
S 31	5n20	13n23	3n27	7s 4	2s13	11n11	6s 7	9s57	0s 5	22s27	0n13	18s58	1s 6	18n48	0s16	11s37

Julian Day Number = 2276815.5, Delta T = 243.57 sec

Ecliptic obliquity = 23°30'14", Nutation = - 0°00'04", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°03'53", Lahiri = 17°10'54" Julian Calendar 1 Aug. 1521 == Greg. Calendar 11 Aug. 1521

ASTRODIENST EPHEMERIS for the year 1521

geocentric

SEPTEMBER 1521 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	23 17 25	17 ¹⁷ 29'45	16 ¹⁷ 47	13 ¹³ 46	12 ¹² 52	26 ²⁶ 6	15 ¹⁵ 9	9°R27	24°R57	1°R47	9°R19	14°R56	16°V 2	0 ⁰ 58	15°R42	S 1
M 2	23 21 22	18°28'21	29°36	14°48	13° 8	26°47	15°15	9 ⁹ 24	24 ²⁴ 56	1 ¹ 45	9 ⁹ 18	14°Y54	15°59	1° 5	15 ¹⁵ 39	M 2
T 3	23 25 18	19°26'59	12 ¹² 9	15°48	13°25	27°28	15°21	9°21	24°55	1°44	9°18	14°D53	15°56	1°12	15°37	T 3
W 4	23 29 15	20°25'39	24°28	16°46	13°45	28° 8	15°26	9°19	24°55	1°42	9°18	14°53	15°53	1°19	15°34	W 4
T 5	23 33 11	21°24'22	6 ⁶ 34	17°40	14° 6	28°49	15°32	9°16	24°54	1°41	9°17	14°55	15°49	1°25	15°32	T 5
F 6	23 37 8	22°23'05	18°30	18°32	14°29	29°30	15°39	9°13	24°53	1°39	9°17	14°56	15°46	1°32	15°30	F 6
S 7	23 41 4	23°21'51	0 ⁰ 21	19°21	14°53	0 ⁰ 11	15°45	9°11	24°52	1°38	9°17	14°58	15°43	1°39	15°27	S 7
S 8	23 45 1	24°20'39	12°12	20° 5	15°20	0°51	15°52	9° 8	24°52	1°36	9°17	14°59	15°40	1°45	15°25	S 8
M 9	23 48 57	25°19'28	24° 6	20°47	15°48	1°32	15°58	9° 6	24°51	1°35	9°17	15°R 0	15°37	1°52	15°23	M 9
T 10	23 52 54	26°18'19	6 ⁶ 8	21°24	16°17	2°14	16° 5	9° 3	24°50	1°33	9°17	14°59	15°33	1°59	15°21	T 10
W11	23 56 51	27°17'12	18°24	21°56	16°48	2°55	16°12	9° 1	24°49	1°32	9°17	14°58	15°30	2° 5	15°19	W11
T 12	0 0 47	28°16'06	0 ⁰ 58	22°24	17°21	3°36	16°19	8°59	24°48	1°30	9°D17	14°56	15°27	2°12	15°17	T 12
F 13	0 4 44	29°15'03	13°51	22°47	17°55	4°17	16°26	8°57	24°47	1°29	9°17	14°54	15°24	2°19	15°15	F 13
S 14	0 8 40	0 ⁰ 14'01	27° 8	23° 4	18°30	4°59	16°34	8°55	24°46	1°28	9°17	14°52	15°21	2°25	15°13	S 14
S 15	0 12 37	1°13'01	10 ¹⁰ 47	23°14	19° 6	5°40	16°41	8°53	24°44	1°26	9°17	14°50	15°18	2°32	15°11	S 15
M16	0 16 33	2°12'03	24°47	23°R19	19°44	6°21	16°49	8°51	24°43	1°25	9°17	14°49	15°14	2°39	15° 9	M16
T 17	0 20 30	3°11'07	9°Y 5	23°16	20°23	7° 3	16°57	8°50	24°42	1°23	9°17	14°D48	15°11	2°45	15° 7	T 17
W18	0 24 26	4°10'13	23°35	23° 6	21° 3	7°45	17° 4	8°48	24°41	1°22	9°17	14°48	15° 8	2°52	15° 6	W18
T 19	0 28 23	5° 9'21	8 ⁸ 13	22°49	21°45	8°26	17°13	8°46	24°39	1°21	9°17	14°49	15° 5	2°59	15° 4	T 19
F 20	0 32 19	6° 8'32	22°50	22°23	22°27	9° 8	17°21	8°45	24°38	1°19	9°18	14°50	15° 2	3° 5	15° 2	F 20
S 21	0 36 16	7° 7'45	7 ⁷ 23	21°50	23°11	9°50	17°29	8°44	24°36	1°18	9°18	14°50	14°58	3°12	15° 1	S 21
S 22	0 40 13	8° 7'00	21°47	21° 9	23°55	10°32	17°37	8°43	24°35	1°17	9°18	14°51	14°55	3°19	14°59	S 22
M23	0 44 9	9° 6'18	5 ⁵ 35	20°20	24°41	11°14	17°46	8°41	24°33	1°16	9°19	14°R51	14°52	3°26	14°58	M23
T 24	0 48 6	10° 5'38	19°53	19°23	25°27	11°56	17°55	8°40	24°32	1°15	9°19	14°51	14°49	3°32	14°57	T 24
W25	0 52 2	11° 5'01	3 ³ 34	18°21	26°15	12°38	18° 4	8°39	24°30	1°13	9°19	14°51	14°46	3°39	14°55	W25
T 26	0 55 59	12° 4'25	16°59	17°14	27° 3	13°20	18°13	8°39	24°29	1°12	9°20	14°50	14°43	3°46	14°54	T 26
F 27	0 59 55	13° 3'52	0 ⁰ 10	16° 3	27°52	14° 2	18°22	8°38	24°27	1°11	9°20	14°50	14°39	3°52	14°53	F 27
S 28	1 3 52	14° 3'22	13° 6	14°50	28°42	14°45	18°31	8°37	24°25	1°10	9°21	14°50	14°36	3°59	14°52	S 28
S 29	1 7 48	15° 2'53	25°49	13°38	29°32	15°27	18°40	8°37	24°23	1° 9	9°21	14°D50	14°33	4° 6	14°51	S 29
M30	1 11 45	16 ¹⁶ 26	8 ⁸ 19	12 ¹² 27	0 ⁰ 14	16 ¹⁶ 10	18 ¹⁸ 50	8 ⁸ 36	24 ²⁴ 22	1 ¹ 8	9 ⁹ 22	14°R50	14°Y30	4 ⁴ 12	14 ¹⁴ 50	M30

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
S 1	4n57	7n30	2n28	7s37	2s21	11n17	5s57	10s12	0s 6	22s27	0n13	18s59	1s 6	18n48	0s16	11s38	0s49	22s16	0n55	5n54	6n19	23s58	9s39	6n49	
M 2	4 34	1 25	1 23	8 8	2 29	11 22	5 47	10 27	0 7	22 28	0 13	19 0	1 6	18 48	0 16	11 38	0 49	22 16	0 55	5 53	6 18	24 0	9 40	6 49	
T 3	4 11	4s35	0 15	8 39	2 37	11 26	5 38	10 43	0 7	22 29	0 13	19 1	1 6	18 48	0 16	11 39	0 49	22 16	0 55	5 53	6 17	24 2	9 41	6 49	
W 4	3 48	10 19	0s52	9 8	2 44	11 30	5 28	10 58	0 8	22 30	0 13	19 2	1 6	18 48	0 16	11 40	0 49	22 16	0 55	5 53	6 16	24 4	9 42	6 48	
T 5	3 25	15 34	1 57	9 35	2 51	11 34	5 18	11 13	0 9	22 31	0 13	19 2	1 6	18 47	0 16	11 40	0 49	22 16	0 55	5 53	6 15	24 6	9 43	6 48	
F 6	3 2	20 11	2 55	10 2	2 58	11 37	5 8	11 28	0 10	22 31	0 12	19 3	1 6	18 47	0 16	11 41	0 49	22 16	0 55	5 54	6 13	24 8	9 44	6 48	
S 7	2 38	23 57	3 45	10 26	3 5	11 39	4 58	11 43	0 10	22 32	0 12	19 4	1 6	18 47	0 16	11 41	0 49	22 16	0 54	5 55	6 12	24 10	9 45	6 47	
S 8	2 15	26 42	4 26	10 49	3 11	11 41	4 48	11 58	0 11	22 33	0 12	19 4	1 6	18 47	0 16	11 42	0 49	22 16	0 54	5 55	6 11	24 12	9 46	6 47	
M 9	1 52	28 17	4 55	11 10	3 16	11 42	4 39	12 13	0 12	22 34	0 12	19 5	1 6	18 47	0 16	11 42	0 49	22 17	0 54	5 55	6 10	24 14	9 47	6 47	
T 10	1 28	28 33	5 12	11 29	3 22	11 43	4 29	12 28	0 12	22 35	0 12	19 6	1 6	18 46	0 16	11 43	0 49	22 17	0 54	5 55	6 8	24 16	9 48	6 46	
W11	1 5	27 26	5 15	11 45	3 26	11 43	4 19	12 43	0 13	22 36	0 12	19 6	1 6	18 46	0 16	11 43	0 49	22 17	0 54	5 55	6 7	24 18	9 49	6 46	
T 12	0 41	24 56	5 3	12 0	3 30	11 43	4 9	12 58	0 14	22 37	0 11	19 7	1 6	18 46	0 16	11 44	0 49	22 17	0 54	5 54	6 6	24 20	9 50	6 46	
F 13	0 18	21 7	4 36	12 11	3 34	11 42	4 0	13 12	0 14	22 37	0 11	19 7	1 6	18 46	0 16	11 44	0 49	22 17	0 54	5 53	6 5	24 22	9 51	6 45	
S 14	0s 6	16 10	3 54	12 20	3 36	11 40	3 50	13 27	0 15	22 38	0 11	19 8	1 6	18 45	0 16	11 45	0 49	22 17	0 54	5 52	6 4	24 24	9 52	6 45	
S 15	0 29	10 17	2 57	12 25	3 38	11 38	3 41	13 41	0 15	22 39	0 11	19 8	1 6	18 45	0 16	11 45	0 49	22 17	0 53	5 52	6 2	24 26	9 53	6 44	
M16	0 53	3 44	1 49	12 27	3 38	11 35	3 31	13 56	0 16	22 40	0 11	19 9	1 6	18 45	0 16	11 46	0 49	22 17	0 53	5 51	6 1	24 28	9 53	6 44	
T 17	1 16	3n 7	0 32	12 26	3 38	11 32	3 22	14 10	0 17	22 41	0 11	19 9	1 6	18 44	0 16	11 46	0 49	22 18	0 53	5 51	6 0	24 30	9 54	6 44	
W18	1 40	9 56	0n49	12 21	3 36	11 28	3 13	14 24	0 17	22 42	0 11	19 10	1 5	18 44	0 16	11 47	0 49	22 18	0 53	5 51	5 59	24 32	9 55	6 43	
T 19	2 3	16 16	2 6	12 11	3 33	11 24	3 4	14 38	0 18	22 43	0 10	19 10	1 5	18 44	0 16	11 47	0 49	22 18	0 53	5 51	5 57	24 34	9 56	6 43	
F 20	2 27	21 41	3 16	11 57	3 28	11 19	2 55	14 52	0 19	22 44	0 10	19 10	1 5	18 43	0 16	11 48	0 49	22 18	0 53	5 51	5 56	24 35	9 57	6 42	
S 21	2 50	25 45	4 12	11 39	3 22	11 13	2 46	15 6	0 19	22 45	0 10	19 11	1 5	18 43	0 16	11 48	0 49	22 18	0 53	5 52	5 55	24 37	9 58	6 42	
S 22	3 14	28 6	4 52	11 15	3 13	11 7	2 37	15 20	0 20	22 46	0 10	19 11	1 5	18 43	0 16	11 49	0 49	22 18	0 53	5 52	5 54	24 39	9 59	6 42	
M23	3 37	28 35	5 13	10 47	3 3	11 0	2 29	15 34	0 21	22 46	0 10	19 11	1 5	18 42	0 16	11 49	0 49	22 18	0 52	5 52	5 52	24 41	9 59	6 41	
T 24	4 0	27 14	5 16	10 15	2 51	10 52	2 20	15 48	0 21	22 47	0 10	19 12	1 5	18 42	0 16	11 49	0 49	22 18	0 52	5 52	5 51	24 43	10 0	6 41	
W25	4 24	24 16	5 0	9 38	2 38	10 44	2 12	16 1	0 22	22 48	0 10	19 12	1 5	18 42	0 16	11 50	0 49	22 18	0 52	5 52	5 50	24 45	10 1	6 40	
T 26	4 47	20 3	4 29	8 58	2 22	10 36	2 3	16 14	0 22	22 49	0 10	19 12	1 5	18 41	0 16	11 50	0 49	22 19	0 52	5 52	5 49	24 47	10 2	6 40	
F 27	5 10	14 55	3 43	8 15	2 5	10 27	1 55	16 28	0 23	22 50	0 9	19 12	1 5	18 41	0 16	11 51	0 49	22 19	0 52	5 52	5 48	24 49	10 2	6 40	
S 28	5 33	9 14	2 47	7 30	1 46	10 17	1 47	16 41	0 24	22 51	0 9	19 12	1 5	18 40	0 16	11 51	0 49	22 19	0 52	5 52	5 46	24 50	10 3	6 39	
S 29	5 57	3 15	1 44	6 43	1 27	10 7	1 39	16 54	0 24	22 52	0 9	19 12	1 5	18 40	0 16	11 51	0 49	22 19	0 52	5 52	5 45	24 52	10 4	6 39	
M30	6s20	2s45	0n36	5s57	1s 6	9n57	1s31	17s 7	0s25	22s53	0n 9	19s12	1s 5	18n40	0s16	11s52	0s49	22s19	0n52	5n52	5n44	24s54	10s 5	6n38	

ASTRODIENST EPHEMERIS for the year 1521

geocentric

OCTOBER 1521 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	1 15 42	17°15' 20"	20°15' 38"	11°R22	17°16	16°M52	18°J59	8°R36	24°R20	1°R 7	9°Z22	14°R50	14°Y27	4°J19	14°R49	T 1
W 2	1 19 38	18° 1' 40"	21°14' 47"	10°D22	2° 9	17°35	19° 9	8°J36	24°J18	1°H 6	9°23	14°Y50	14°24	4°26	14°J48	W 2
T 3	1 23 35	19° 1' 20"	14°47	9°31	3° 2	18°17	19°19	8°36	24°16	1° 5	9°23	14°50	14°20	4°32	14°47	T 3
F 4	1 27 31	20° 1' 01"	26°40	8°49	3°56	19° 0	19°28	8°D36	24°14	1° 4	9°24	14°49	14°17	4°39	14°46	F 4
S 5	1 31 28	21° 0' 45"	8°J31	8°18	4°51	19°43	19°38	8°36	24°12	1° 3	9°25	14°48	14°14	4°46	14°45	S 5
S 6	1 35 24	22° 0' 30"	20°20	7°57	5°46	20°26	19°49	8°36	24°10	1° 2	9°25	14°47	14°11	4°53	14°45	S 6
M 7	1 39 21	23° 0' 17"	2°Z13	7°D48	6°42	21° 9	19°59	8°36	24° 8	1° 1	9°26	14°46	14° 8	4°59	14°44	M 7
T 8	1 43 17	24° 0' 06"	14°14	7°50	7°39	21°52	20° 9	8°36	24° 6	1° 0	9°27	14°46	14° 4	5° 6	14°44	T 8
W 9	1 47 14	24°59'57"	26°26	8° 4	8°36	22°35	20°20	8°37	24° 4	1° 0	9°28	14°D46	14° 1	5°13	14°43	W 9
T 10	1 51 11	25°59'50"	8°J55	8°27	9°33	23°18	20°30	8°38	24° 2	0°59	9°29	14°46	13°58	5°19	14°43	T 10
F 11	1 55 7	26°59'44"	21°45	9° 0	10°32	24° 1	20°41	8°38	24° 0	0°58	9°29	14°47	13°55	5°26	14°43	F 11
S 12	1 59 4	27°59'39"	4°J58	9°42	11°30	24°44	20°51	8°39	23°58	0°57	9°30	14°48	13°52	5°33	14°42	S 12
S 13	2 3 0	28°59'37"	18°38	10°32	12°29	25°28	21° 2	8°40	23°55	0°57	9°31	14°49	13°49	5°39	14°42	S 13
M14	2 6 57	29°59'36"	2°Y44	11°29	13°29	26°11	21°13	8°41	23°53	0°56	9°32	14°50	13°45	5°46	14°42	M14
T 15	2 10 53	0°M59'36"	17°15	12°33	14°29	26°55	21°24	8°42	23°51	0°55	9°33	14°R50	13°42	5°53	14°D42	T 15
W16	2 14 50	1°59'39"	2°J 4	13°42	15°29	27°38	21°35	8°43	23°49	0°55	9°34	14°49	13°39	5°59	14°42	W16
T 17	2 18 46	2°59'44"	17° 5	14°55	16°30	28°22	21°46	8°45	23°46	0°54	9°35	14°48	13°36	6° 6	14°42	T 17
F 18	2 22 43	3°59'50"	2°H10	16°13	17°32	29° 5	21°58	8°46	23°44	0°54	9°36	14°46	13°33	6°13	14°42	F 18
S 19	2 26 40	4°59'59"	17° 8	17°34	18°33	29°49	22° 9	8°47	23°42	0°53	9°37	14°43	13°30	6°20	14°42	S 19
S 20	2 30 36	6° 0' 10"	1°J52	18°58	19°35	0°J33	22°20	8°49	23°39	0°53	9°38	14°40	13°26	6°26	14°43	S 20
M21	2 34 33	7° 0' 23"	16°16	20°25	20°38	1°17	22°32	8°51	23°37	0°52	9°39	14°38	13°23	6°33	14°43	M21
T 22	2 38 29	8° 0' 38"	0°J18	21°53	21°41	2° 0	22°44	8°53	23°35	0°52	9°41	14°37	13°20	6°40	14°44	T 22
W23	2 42 26	9° 0' 55"	13°56	23°24	22°44	2°44	22°55	8°54	23°32	0°51	9°42	14°D37	13°17	6°46	14°44	W23
T 24	2 46 22	10° 1' 14"	27°11	24°55	23°48	3°28	23° 7	8°56	23°30	0°51	9°43	14°38	13°14	6°53	14°45	T 24
F 25	2 50 19	11° 1' 34"	10°H 7	26°28	24°51	4°12	23°19	8°59	23°27	0°51	9°44	14°39	13°10	7° 0	14°45	F 25
S 26	2 54 15	12° 1' 57"	22°46	28° 1	25°56	4°57	23°31	9° 1	23°25	0°50	9°45	14°41	13° 7	7° 6	14°46	S 26
S 27	2 58 12	13° 2' 22"	5°J11	29°36	27° 0	5°41	23°43	9° 3	23°22	0°50	9°47	14°42	13° 4	7°13	14°47	S 27
M28	3 2 9	14° 2' 49"	17°24	1°M10	28° 5	6°25	23°55	9° 5	23°20	0°50	9°48	14°R43	13° 1	7°20	14°47	M28
T 29	3 6 5	15° 3' 17"	29°30	2°45	29°10	7° 9	24° 7	9° 8	23°18	0°50	9°49	14°42	12°58	7°27	14°48	T 29
W30	3 10 2	16° 3' 47"	11°M28	4°21	0°J16	7°54	24°19	9°10	23°15	0°50	9°51	14°39	12°55	7°33	14°49	W30
T 31	3 13 58	17°M 4'19"	23°M23	5°M56	1°J21	8°J38	24°J32	9°J13	23°J13	0°J50	9°J52	14°Y35	12°Y51	7°J40	14°J50	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	6s43	8s34	0s32	5s12	0s46	9n45	1s23	17s20	0s26	22s54	0n 9	19s13	1s 5	18n39	0s16	11s52
W 2	7 5	14 0	1 38	4 30	0 25	9 34	1 16	17 32	0 26	22 55	0 9	19 13	1 5	18 39	0 16	11 52
T 3	7 28	18 50	2 39	3 52	0 5	9 21	1 8	17 45	0 27	22 56	0 9	19 13	1 5	18 38	0 16	11 53
F 4	7 51	22 54	3 32	3 17	0n14	9 9	1 1	17 57	0 27	22 57	0 9	19 13	1 5	18 38	0 16	11 53
S 5	8 13	25 59	4 16	2 48	0 32	8 55	0 54	18 10	0 28	22 58	0 8	19 12	1 5	18 37	0 16	11 53
S 6	8 36	27 57	4 49	2 25	0 49	8 42	0 47	18 22	0 28	22 58	0 8	19 12	1 5	18 37	0 16	11 53
M 7	8 58	28 38	5 9	2 7	1 4	8 28	0 40	18 34	0 29	22 59	0 8	19 12	1 5	18 36	0 16	11 54
T 8	9 20	27 59	5 17	1 56	1 18	8 13	0 33	18 46	0 30	23 0	0 8	19 12	1 5	18 36	0 16	11 54
W 9	9 42	26 0	5 10	1 50	1 29	7 58	0 26	18 57	0 30	23 1	0 8	19 12	1 5	18 35	0 16	11 55
T 10	10 4	22 43	4 49	1 50	1 40	7 42	0 20	19 9	0 31	23 2	0 8	19 12	1 5	18 35	0 16	11 55
F 11	10 26	18 17	4 13	1 55	1 48	7 26	0 13	19 20	0 31	23 3	0 8	19 12	1 5	18 34	0 16	11 55
S 12	10 47	12 52	3 23	2 5	1 55	7 10	0 7	19 31	0 32	23 4	0 8	19 11	1 5	18 34	0 16	11 55
S 13	11 9	6 39	2 20	2 20	2 1	6 53	0 1	19 42	0 33	23 5	0 7	19 11	1 5	18 33	0 16	11 56
M14	11 30	0n 5	1 6	2 38	2 5	6 35	0n 5	19 53	0 33	23 5	0 7	19 11	1 5	18 33	0 16	11 56
T 15	11 51	7 0	0n13	3 0	2 8	6 18	0 11	20 4	0 34	23 6	0 7	19 10	1 5	18 32	0 16	11 56
W16	12 12	13 41	1 34	3 26	2 10	6 0	0 17	20 14	0 34	23 7	0 7	19 10	1 5	18 31	0 16	11 56
T 17	12 33	19 41	2 49	3 54	2 10	5 41	0 22	20 25	0 35	23 8	0 7	19 10	1 5	18 31	0 16	11 56
F 18	12 53	24 26	3 52	4 24	2 10	5 22	0 28	20 35	0 35	23 9	0 7	19 9	1 5	18 30	0 16	11 57
S 19	13 13	27 31	4 39	4 56	2 9	5 3	0 33	20 45	0 36	23 10	0 7	19 9	1 5	18 30	0 16	11 57
S 20	13 33	28 36	5 7	5 30	2 7	4 43	0 39	20 55	0 36	23 10	0 7	19 8	1 5	18 29	0 16	11 57
M21	13 53	27 43	5 15	6 5	2 4	4 23	0 44	21 4	0 37	23 11	0 6	19 8	1 4	18 29	0 16	11 57
T 22	14 13	25 4	5 3	6 41	2 1	4 3	0 49	21 14	0 37	23 12	0 6	19 7	1 4	18 28	0 16	11 57
W23	14 32	21 4	4 35	7 18	1 57	3 42	0 53	21 23	0 38	23 13	0 6	19 7	1 4	18 27	0 16	11 57
T 24	14 52	16 7	3 52	7 55	1 53	3 22	0 58	21 32	0 38	23 13	0 6	19 6	1 4	18 27	0 16	11 57
F 25	15 11	10 33	2 59	8 34	1 48	3 0	1 3	21 41	0 39	23 14	0 6	19 6	1 4	18 26	0 16	11 58
S 26	15 29	4 41	1 58	9 12	1 43	2 39	1 7	21 50	0 40	23 15	0 6	19 5	1 4	18 26	0 16	11 58
S 27	15 48	1s16	0 52	9 50	1 38	2 17	1 11	21 58	0 40	23 15	0 6	19 5	1 4	18 25	0 16	11 58
M28	16 6	7 5	0s15	10 29	1 32	1 55	1 15	22 6	0 41	23 16	0 6	19 4	1 4	18 24	0 16	11 58
T 29	16 24	12 34	1 20	11 7	1 26	1 33	1 19	22 14	0 41	23 17	0 6	19 3	1 4	18 24	0 16	11 58
W30	16 41	17 33	2 21	11 45	1 20	1 10	1 23	22 22	0 42	23 17	0 5	19 2	1 4	18 23	0 16	11 58
T 31	16s59	21s49	3s15	12s23	1n13	0n47	1n27	22s30	0s42	23s18	0n 5	19s 2	1s 4	18n22	0s16	11s58

Julian Day Number = 2276876.5, Delta T = 243.19 sec

Ecliptic obliquity = 23°30'15", Nutation = - 0°00'05", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°04'02", Lahiri = 17°11'02" Julian Calendar 1 Oct. 1521 == Greg. Calendar 11 Oct. 1521

ASTRODIENST EPHEMERIS for the year 1521
geocentric

NOVEMBER 1521 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	3 17 55	18♌ 4°53	5♈14	7♌32	2♊27	9♈23	24♈44	9♈16	23°R10	0°R49	9♈53	14°R29	12°Y48	7♈47	14♈51	F 1
S 2	3 21 51	19° 5'28	17° 4	9° 8	3°34	10° 7	24°56	9°19	23♈ 8	0°H49	9°55	14°Y22	12°45	7°53	14°52	S 2
S 3	3 25 48	20° 6'04	28°55	10°43	4°40	10°52	25° 9	9°22	23° 5	0°D49	9°56	14°15	12°42	8° 0	14°54	S 3
M 4	3 29 44	21° 6'42	10♈49	12°19	5°47	11°37	25°21	9°25	23° 2	0°49	9°58	14° 9	12°39	8° 7	14°55	M 4
T 5	3 33 41	22° 7'21	22°50	13°54	6°54	12°21	25°34	9°28	23° 0	0°49	9°59	14° 4	12°36	8°13	14°56	T 5
W 6	3 37 38	23° 8'01	5♈ 0	15°30	8° 1	13° 6	25°47	9°31	22°57	0°50	10° 1	14° 0	12°32	8°20	14°58	W 6
T 7	3 41 34	24° 8'42	17°24	17° 5	9° 8	13°51	25°59	9°35	22°55	0°50	10° 2	13°58	12°29	8°27	14°59	T 7
F 8	3 45 31	25° 9'25	0♈ 7	18°40	10°16	14°36	26°12	9°38	22°52	0°50	10° 4	13°D58	12°26	8°33	15° 0	F 8
S 9	3 49 27	26°10'08	13°11	20°16	11°24	15°21	26°25	9°41	22°50	0°50	10° 5	13°59	12°23	8°40	15° 2	S 9
S 10	3 53 24	27°10'53	26°42	21°51	12°32	16° 6	26°38	9°45	22°47	0°50	10° 7	14° 1	12°20	8°47	15° 4	S 10
M 11	3 57 20	28°11'38	10°Y40	23°25	13°40	16°51	26°51	9°49	22°45	0°51	10° 9	14°R 2	12°16	8°54	15° 5	M 11
T 12	4 1 17	29°12'25	25° 7	25° 0	14°48	17°36	27° 4	9°52	22°42	0°51	10°10	14° 1	12°13	9° 0	15° 7	T 12
W 13	4 5 13	0♈13'13	9♈58	26°35	15°57	18°21	27°17	9°56	22°40	0°51	10°12	13°59	12°10	9° 7	15° 9	W 13
T 14	4 9 10	1°14'02	25° 8	28° 9	17° 6	19° 6	27°30	10° 0	22°37	0°52	10°14	13°54	12° 7	9°14	15°11	T 14
F 15	4 13 7	2°14'52	10♈27	29°44	18°15	19°52	27°43	10° 4	22°35	0°52	10°15	13°47	12° 4	9°20	15°13	F 15
S 16	4 17 3	3°15'43	25°45	1♈18	19°24	20°37	27°56	10° 8	22°32	0°52	10°17	13°40	12° 1	9°27	15°15	S 16
S 17	4 21 0	4°16'36	10♈49	2°52	20°33	21°22	28°10	10°13	22°30	0°53	10°19	13°32	11°57	9°34	15°17	S 17
M 18	4 24 56	5°17'30	25°32	4°27	21°43	22° 8	28°23	10°17	22°28	0°53	10°20	13°25	11°54	9°41	15°19	M 18
T 19	4 28 53	6°18'25	9♈27	6° 1	22°52	22°53	28°36	10°21	22°25	0°54	10°22	13°19	11°51	9°47	15°21	T 19
W 20	4 32 49	7°19'21	23°33	7°35	24° 2	23°39	28°50	10°26	22°23	0°55	10°24	13°16	11°48	9°54	15°23	W 20
T 21	4 36 46	8°20'19	6♈50	9° 9	25°12	24°24	29° 3	10°30	22°20	0°55	10°26	13°D15	11°45	10° 1	15°26	T 21
F 22	4 40 43	9°21'18	19°43	10°44	26°22	25°10	29°16	10°35	22°18	0°56	10°28	13°16	11°42	10° 7	15°28	F 22
S 23	4 44 39	10°22'18	2♊15	12°18	27°33	25°56	29°30	10°39	22°16	0°57	10°29	13°17	11°38	10°14	15°30	S 23
S 24	4 48 36	11°23'19	14°30	13°52	28°43	26°41	29°43	10°44	22°13	0°57	10°31	13°R17	11°35	10°21	15°33	S 24
M 25	4 52 32	12°24'22	26°34	15°27	29°54	27°27	29°57	10°49	22°11	0°58	10°33	13°16	11°32	10°27	15°35	M 25
T 26	4 56 29	13°25'25	8♌30	17° 1	1♌ 4	28°13	0♈11	10°54	22° 9	0°59	10°35	13°13	11°29	10°34	15°38	T 26
W 27	5 0 25	14°26'29	20°22	18°36	2°15	28°59	0°24	10°59	22° 6	1° 0	10°37	13° 7	11°26	10°41	15°40	W 27
T 28	5 4 22	15°27'35	2♈12	20°11	3°26	29°45	0°38	11° 4	22° 4	1° 0	10°39	12°58	11°22	10°48	15°43	T 28
F 29	5 8 18	16°28'41	14° 3	21°45	4°37	0♈31	0°51	11° 9	22° 2	1° 1	10°41	12°46	11°19	10°54	15°46	F 29
S 30	5 12 15	17♈29'48	25♈55	23♈20	5♌48	1♈17	1♈ 5	11♈14	22♈ 0	1♈ 2	10♈43	12°Y34	11°Y16	11♈ 1	15♈48	S 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
F 1	17s16	25s11	4s 1	13s 0	1n 7	0n24	1n30	22s37	0s43	23s19	0n 5	19s 1	1s 4	18n22	0s16	11s58	0s48	22s20	0n48	5n43	5n 4	25s49	10s18	6n24	
S 2	17 33	27 27	4 36	13 37	1 0	0 1	1 34	22 44	0 43	23 19	0 5	19 0	1 4	18 21	0 16	11 58	0 48	22 20	0 48	5 41	5 3	25 51	10 18	6 23	
S 3	17 49	28 29	4 59	14 14	0 54	0s22	1 37	22 51	0 44	23 20	0 5	18 59	1 4	18 21	0 16	11 58	0 48	22 20	0 48	5 38	5 2	25 53	10 18	6 23	
M 4	18 5	28 12	5 10	14 50	0 47	0 46	1 40	22 58	0 44	23 20	0 5	18 58	1 4	18 20	0 16	11 58	0 48	22 20	0 48	5 36	5 1	25 54	10 18	6 22	
T 5	18 21	26 36	5 7	15 25	0 40	1 10	1 43	23 4	0 44	23 21	0 5	18 58	1 4	18 19	0 16	11 58	0 48	22 20	0 47	5 34	4 59	25 56	10 18	6 22	
W 6	18 36	23 45	4 50	16 0	0 33	1 34	1 46	23 11	0 45	23 21	0 5	18 57	1 4	18 19	0 16	11 58	0 48	22 20	0 47	5 32	4 58	25 58	10 19	6 21	
T 7	18 52	19 46	4 19	16 34	0 26	1 58	1 49	23 17	0 45	23 22	0 5	18 56	1 4	18 18	0 16	11 58	0 48	22 20	0 47	5 32	4 57	25 59	10 19	6 21	
F 8	19 6	14 49	3 35	17 7	0 20	2 22	1 52	23 22	0 46	23 22	0 5	18 55	1 4	18 17	0 16	11 58	0 48	22 20	0 47	5 31	4 56	26 1	10 19	6 20	
S 9	19 21	9 4	2 39	17 39	0 13	2 46	1 54	23 28	0 46	23 23	0 4	18 54	1 4	18 17	0 15	11 57	0 48	22 20	0 47	5 32	4 54	26 2	10 19	6 20	
S 10	19 35	2 44	1 33	18 11	0 6	3 10	1 57	23 33	0 47	23 23	0 4	18 53	1 4	18 16	0 15	11 57	0 48	22 20	0 47	5 32	4 53	26 4	10 18	6 20	
M11	19 49	3n57	0 18	18 42	0s 1	3 35	1 59	23 38	0 47	23 24	0 4	18 52	1 4	18 16	0 15	11 57	0 48	22 20	0 47	5 33	4 52	26 5	10 18	6 19	
T 12	20 2	10 40	1n 0	19 11	0 8	3 59	2 1	23 43	0 48	23 24	0 4	18 51	1 4	18 15	0 15	11 57	0 48	22 20	0 47	5 33	4 51	26 7	10 18	6 19	
W13	20 15	16 59	2 15	19 40	0 14	4 24	2 3	23 47	0 48	23 25	0 4	18 50	1 4	18 14	0 15	11 57	0 48	22 20	0 47	5 32	4 49	26 8	10 18	6 18	
T 14	20 28	22 23	3 23	20 8	0 21	4 49	2 5	23 52	0 49	23 25	0 4	18 49	1 4	18 14	0 15	11 57	0 48	22 20	0 46	5 30	4 48	26 10	10 18	6 18	
F 15	20 40	26 19	4 17	20 36	0 27	5 13	2 7	23 56	0 49	23 25	0 4	18 47	1 4	18 13	0 15	11 57	0 48	22 20	0 46	5 27	4 47	26 11	10 18	6 17	
S 16	20 52	28 18	4 52	21 2	0 34	5 38	2 8	24 0	0 49	23 26	0 4	18 46	1 4	18 12	0 15	11 57	0 48	22 20	0 46	5 24	4 46	26 13	10 18	6 17	
S 17	21 3	28 9	5 6	21 27	0 40	6 3	2 10	24 3	0 50	23 26	0 4	18 45	1 4	18 12	0 15	11 56	0 48	22 20	0 46	5 21	4 44	26 14	10 18	6 17	
M18	21 14	26 0	5 0	21 51	0 46	6 27	2 11	24 6	0 50	23 26	0 3	18 44	1 4	18 11	0 15	11 56	0 48	22 20	0 46	5 18	4 43	26 16	10 17	6 16	
T 19	21 25	22 15	4 35	22 14	0 52	6 52	2 13	24 9	0 51	23 26	0 3	18 43	1 4	18 11	0 15	11 56	0 48	22 20	0 46	5 16	4 42	26 17	10 17	6 16	
W20	21 35	17 24	3 55	22 36	0 58	7 17	2 14	24 12	0 51	23 27	0 3	18 42	1 4	18 10	0 15	11 56	0 48	22 20	0 46	5 15	4 41	26 19	10 17	6 15	
T 21	21 45	11 51	3 3	22 56	1 4	7 41	2 15	24 15	0 51	23 27	0 3	18 40	1 4	18 9	0 15	11 55	0 48	22 20	0 46	5 15	4 39	26 20	10 17	6 15	
F 22	21 55	5 58	2 3	23 16	1 10	8 6	2 16	24 17	0 52	23 27	0 3	18 39	1 4	18 9	0 15	11 55	0 48	22 20	0 46	5 15	4 38	26 22	10 16	6 15	
S 23	22 4	0 0	0 59	23 34	1 15	8 30	2 16	24 19	0 52	23 27	0 3	18 38	1 4	18 8	0 15	11 55	0 48	22 20	0 45	5 15	4 37	26 23	10 16	6 14	
S 24	22 12	5s50	0s 7	23 52	1 20	8 55	2 17	24 20	0 53	23 27	0 3	18 36	1 3	18 8	0 15	11 55	0 48	22 20	0 45	5 16	4 36	26 25	10 16	6 14	
M25	22 21	11 22	1 10	24 7	1 26	9 19	2 18	24 22	0 53	23 27	0 3	18 35	1 3	18 7	0 15	11 54	0 48	22 20	0 45	5 15	4 34	26 26	10 15	6 13	
T 26	22 28	16 26	2 10	24 22	1 31	9 43	2 18	24 23	0 53	23 28	0 3	18 34	1 3	18 6	0 15	11 54	0 48	22 20	0 45	5 14	4 33	26 28	10 15	6 13	
W27	22 36	20 51	3 4	24 36	1 35	10 7	2 18	24 24	0 54	23 28	0 3	18 32	1 3	18 6	0 15	11 54	0 48	22 20	0 45	5 11	4 32	26 29	10 15	6 13	
T 28	22 42	24 25	3 50	24 48	1 40	10 31	2 19	24 24	0 54	23 28	0 2	18 31	1 3	18 5	0 15	11 54	0 48	22 20	0 45	5 8	4 31	26 31	10 14	6 12	
F 29	22 49	26 56	4 25	24 59	1 44	10 55	2 19	24 25	0 54	23 28	0 2	18 30	1 3	18 5	0 15	11 53	0 48	22 20	0 45	5 4	4 29	26 32	10 14	6 12	
S 30	22s55	28s16	4s49	25s 8	1s48	11s19	2n19	24s25	0s55	23s28	0n 2	18s28	1s 3	18n 4	0s15	11s53	0s48	22s20	0n45	4n59	4n28	26s33	10s13	6n11	

ASTRODIENST EPHEMERIS for the year 1521

geocentric

DECEMBER 1521 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	5 16 12	18°30'55	7°51	24°55	6°59	2°3	1°39	11°19	21°57	1°3	10°44	12°R20	11°Y13	11°8	15°51	S 1
M 2	5 20 8	19°32'03	19°51	26°30	8°11	2°49	1°33	11°24	21°55	1°4	10°46	12°Y 7	11°10	11°14	15°54	M 2
T 3	5 24 5	20°33'11	1°57	28°6	9°22	3°35	1°46	11°30	21°53	1°5	10°48	11°56	11°7	11°21	15°57	T 3
W 4	5 28 1	21°34'20	14°12	29°41	10°34	4°21	2°0	11°35	21°51	1°6	10°50	11°48	11°3	11°28	16°0	W 4
T 5	5 31 58	22°35'29	26°37	1°17	11°45	5°7	2°14	11°41	21°49	1°7	10°52	11°42	11°0	11°34	16°3	T 5
F 6	5 35 54	23°36'38	9°18	2°52	12°57	5°54	2°28	11°46	21°47	1°8	10°54	11°39	10°57	11°41	16°6	F 6
S 7	5 39 51	24°37'47	22°16	4°28	14°9	6°40	2°42	11°52	21°45	1°9	10°56	11°D38	10°54	11°48	16°9	S 7
S 8	5 43 47	25°38'57	5°36	6°4	15°21	7°26	2°56	11°57	21°43	1°11	10°58	11°R38	10°51	11°55	16°12	S 8
M 9	5 47 44	26°40'06	19°21	7°39	16°33	8°13	3°9	12°3	21°41	1°12	11°0	11°38	10°47	12°1	16°15	M 9
T 10	5 51 41	27°41'15	3°32	9°15	17°45	8°59	3°23	12°9	21°39	1°13	11°2	11°37	10°44	12°8	16°19	T 10
W 11	5 55 37	28°42'25	18°10	10°51	18°57	9°46	3°37	12°15	21°37	1°14	11°4	11°32	10°41	12°15	16°22	W 11
T 12	5 59 34	29°43'34	3°11	12°26	20°9	10°32	3°51	12°21	21°35	1°16	11°6	11°26	10°38	12°21	16°25	T 12
F 13	6 3 30	0°34'44	18°24	14°1	21°22	11°19	4°5	12°27	21°34	1°17	11°8	11°16	10°35	12°28	16°29	F 13
S 14	6 7 27	1°45'54	3°42	15°36	22°34	12°5	4°19	12°33	21°32	1°18	11°10	11°5	10°32	12°35	16°32	S 14
S 15	6 11 23	2°47'03	18°53	17°11	23°46	12°52	4°33	12°39	21°30	1°20	11°12	10°53	10°28	12°42	16°35	S 15
M 16	6 15 20	3°48'13	3°46	18°44	24°59	13°38	4°47	12°45	21°28	1°21	11°14	10°42	10°25	12°48	16°39	M 16
T 17	6 19 17	4°49'23	18°13	20°17	26°11	14°25	5°1	12°51	21°27	1°22	11°16	10°34	10°22	12°55	16°42	T 17
W 18	6 23 13	5°50'34	2°19	21°50	27°24	15°12	5°15	12°57	21°25	1°24	11°18	10°28	10°19	13°2	16°46	W 18
T 19	6 27 10	6°51'44	15°36	23°20	28°37	15°59	5°29	13°3	21°24	1°25	11°21	10°24	10°16	13°8	16°50	T 19
F 20	6 31 6	7°52'55	28°34	24°50	29°50	16°45	5°42	13°10	21°22	1°27	11°23	10°23	10°13	13°15	16°53	F 20
S 21	6 35 3	8°54'05	11°8	26°17	1°2	17°32	5°56	13°16	21°21	1°28	11°25	10°23	10°9	13°22	16°57	S 21
S 22	6 38 59	9°55'16	23°23	27°42	2°15	18°19	6°10	13°22	21°19	1°30	11°27	10°23	10°6	13°29	17°1	S 22
M 23	6 42 56	10°56'27	5°15	29°5	3°28	19°6	6°24	13°29	21°18	1°32	11°29	10°21	10°3	13°35	17°4	M 23
T 24	6 46 52	11°57'38	17°18	0°25	4°41	19°53	6°38	13°35	21°16	1°33	11°31	10°17	10°0	13°42	17°8	T 24
W 25	6 50 49	12°58'49	29°7	1°40	5°54	20°40	6°52	13°42	21°15	1°35	11°33	10°10	9°57	13°49	17°12	W 25
T 26	6 54 46	14°0'00	10°56	2°52	7°8	21°27	7°6	13°48	21°14	1°36	11°35	10°0	9°54	13°55	17°16	T 26
F 27	6 58 42	15°1'11	22°48	3°58	8°21	22°14	7°20	13°55	21°13	1°38	11°37	9°47	9°50	14°2	17°19	F 27
S 28	7 2 39	16°2'21	4°45	4°59	9°34	23°1	7°34	14°2	21°11	1°40	11°39	9°33	9°47	14°9	17°23	S 28
S 29	7 6 35	17°3'31	16°48	5°52	10°47	23°48	7°48	14°8	21°10	1°42	11°41	9°18	9°44	14°15	17°27	S 29
M 30	7 10 32	18°4'41	28°59	6°39	12°0	24°35	8°2	14°15	21°9	1°43	11°43	9°3	9°41	14°22	17°31	M 30
T 31	7 14 28	19°5'50	11°17	7°16	13°14	25°22	8°15	14°22	21°8	1°45	11°45	8°Y51	9°Y38	14°29	17°35	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	decl lat
S 1	23s 0	28s16	5s 1	25s16	1s52	11s42	2n19	24s24	0s55	23s28	0n 2	18s27	1s 3	18n 4	0s15	11s52	0s48
M 2	23 5	26 58	4 59	25 23	1 55	12 5	2 18	24 24	0 56	23 28	0 2	18 25	1 3	18 3	0 15	11 52	0 48
T 3	23 10	24 23	4 44	25 28	1 58	12 28	2 18	24 23	0 56	23 28	0 2	18 24	1 3	18 3	0 15	11 52	0 48
W 4	23 14	20 41	4 15	25 31	2 1	12 51	2 18	24 22	0 56	23 27	0 2	18 22	1 3	18 2	0 15	11 51	0 48
T 5	23 18	16 2	3 35	25 34	2 4	13 14	2 17	24 21	0 57	23 27	0 2	18 21	1 3	18 1	0 15	11 51	0 48
F 6	23 21	10 37	2 42	25 34	2 6	13 36	2 16	24 19	0 57	23 27	0 2	18 19	1 3	18 1	0 15	11 51	0 48
S 7	23 24	4 37	1 41	25 33	2 8	13 58	2 16	24 17	0 57	23 27	0 2	18 17	1 3	18 0	0 15	11 50	0 48
S 8	23 26	1n44	0 32	25 31	2 9	14 20	2 15	24 15	0 57	23 27	0 1	18 16	1 3	18 0	0 15	11 50	0 48
M 9	23 28	8 13	0n41	25 27	2 10	14 41	2 14	24 13	0 58	23 27	0 1	18 14	1 3	17 59	0 15	11 49	0 48
T 10	23 29	14 30	1 53	25 21	2 11	15 2	2 13	24 10	0 58	23 26	0 1	18 13	1 3	17 59	0 15	11 49	0 48
W 11	23 30	20 10	3 0	25 14	2 11	15 23	2 12	24 7	0 58	23 26	0 1	18 11	1 3	17 59	0 15	11 48	0 48
T 12	23 30	24 43	3 57	25 5	2 11	15 44	2 11	24 4	0 59	23 26	0 1	18 9	1 3	17 58	0 15	11 48	0 48
F 13	23 30	27 36	4 37	24 55	2 10	16 4	2 9	24 0	0 59	23 25	0 1	18 8	1 3	17 58	0 15	11 47	0 48
S 14	23 30	28 25	4 58	24 43	2 9	16 24	2 8	23 56	0 59	23 25	0 1	18 6	1 3	17 57	0 15	11 47	0 48
S 15	23 28	27 5	4 57	24 29	2 7	16 43	2 7	23 52	0 59	23 25	0 1	18 4	1 3	17 57	0 15	11 46	0 48
M 16	23 27	23 50	4 37	24 14	2 4	17 2	2 5	23 48	1 0	23 24	0 1	18 2	1 3	17 56	0 15	11 46	0 48
T 17	23 25	19 11	3 59	23 58	2 1	17 21	2 4	23 43	1 0	23 24	0 1	18 1	1 3	17 56	0 15	11 45	0 48
W 18	23 22	13 39	3 7	23 39	1 57	17 39	2 2	23 38	1 0	23 23	0 1	17 59	1 3	17 56	0 15	11 45	0 48
T 19	23 20	7 39	2 7	23 20	1 52	17 57	2 0	23 33	1 0	23 23	0 0	17 57	1 3	17 55	0 15	11 44	0 48
F 20	23 16	1 31	1 2	22 59	1 47	18 14	1 58	23 27	1 1	23 22	0 0	17 55	1 3	17 55	0 15	11 44	0 48
S 21	23 12	4s29	0s 4	22 36	1 41	18 31	1 56	23 21	1 1	23 22	0 0	17 54	1 3	17 54	0 15	11 43	0 48
S 22	23 8	10 10	1 8	22 13	1 34	18 48	1 55	23 15	1 1	23 21	0 0	17 52	1 3	17 54	0 15	11 43	0 48
M 23	23 3	15 22	2 8	21 48	1 26	19 4	1 53	23 9	1 1	23 21	0 0	17 50	1 3	17 54	0 15	11 42	0 48
T 24	22 58	19 57	3 2	21 23	1 17	19 19	1 50	23 3	1 2	23 20	0s 0	17 48	1 3	17 53	0 15	11 41	0 48
W 25	22 52	23 42	3 47	20 56	1 8	19 34	1 48	22 56	1 2	23 20	0 0	17 46	1 3	17 53	0 15	11 41	0 48
T 26	22 46	26 28	4 22	20 30	0 57	19 49	1 46	22 49	1 2	23 19	0 0	17 44	1 3	17 53	0 15	11 40	0 48
F 27	22 39	28 4	4 46	20 3	0 45	20 3	1 44	22 41	1 2	23 18	0 0	17 42	1 3	17 52	0 15	11 40	0 48
S 28	22 32	28 23	4 58	19 36	0 32	20 16	1 42	22 34	1 2	23 18	0 0	17 40	1 3	17 52	0 15	11 39	0 47
S 29	22 25	27 21	4 57	19 9	0 18	20 29	1 39	22 26	1 3	23 17	0 1	17 39	1 3	17 52	0 15	11 38	0 47
M 30	22 17	25 1	4 42	18 43	0 4	20 42	1 37	22 18	1 3	23 16	0 1	17 37	1 3	17 52	0 15	11 38	0 47
T 31	22s 8	21s30	4s13	18s18	0n12	20s53	1n34	22s 9	1s 3	23s16	0s 1	17s35	1s 4	17n51	0s15	11s37	0s47

Julian Day Number = 2276937.5, Delta T = 242.82 sec

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

Ayanamsha: Fagan/Bradley = 18°04'10", Lahiri = 17°11'11" Julian Calendar 1 Dec. 1521 == Greg. Calendar 11 Dec. 1521