



# Astrodienst Ephemeris Tables for the year 1546

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 D5EPH

ASTRODIENST EPHEMERIS for the year 1546  
geocentric

JANUARY 1546 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	7 19 10	20 <sup>3</sup> 17'40	27 <sup>7</sup> 58	16 <sup>3</sup> 57	16 <sup>7</sup> 13	28 <sup>11</sup> 32	16 <sup>3</sup> 6	19 <sup>7</sup> 36	14 <sup>8</sup> R 6	24 <sup>7</sup> 35	19 <sup>3</sup> 52	26 <sup>8</sup> R37	25 <sup>7</sup> 23	1 <sup>11</sup> 11	1 <sup>8</sup> R56	F 1
S 2	7 23 7	21 <sup>0</sup> 18'48	12 <sup>3</sup> 27	18 <sup>3</sup> 36	17 <sup>2</sup> 26	29 <sup>1</sup> 12	16 <sup>2</sup> 20	19 <sup>4</sup> 42	14 <sup>11</sup> 5	24 <sup>3</sup> 35	19 <sup>5</sup> 53	26 <sup>7</sup> 36	25 <sup>2</sup> 20	1 <sup>1</sup> 18	1 <sup>11</sup> 54	S 2
S 3	7 27 3	22 <sup>0</sup> 19'56	27 <sup>0</sup> 15	20 <sup>0</sup> 15	18 <sup>4</sup> 40	29 <sup>5</sup> 52	16 <sup>3</sup> 34	19 <sup>4</sup> 49	14 <sup>0</sup> 4	24 <sup>3</sup> 36	19 <sup>5</sup> 55	26 <sup>3</sup> 34	25 <sup>0</sup> 17	1 <sup>2</sup> 25	1 <sup>5</sup> 52	S 3
M 4	7 31 0	23 <sup>0</sup> 21'03	12 <sup>2</sup> 14	21 <sup>0</sup> 55	19 <sup>5</sup> 54	0 <sup>2</sup> 32	16 <sup>4</sup> 48	19 <sup>5</sup> 55	14 <sup>0</sup> 2	24 <sup>3</sup> 36	19 <sup>5</sup> 56	26 <sup>3</sup> 31	25 <sup>0</sup> 13	1 <sup>3</sup> 31	1 <sup>5</sup> 50	M 4
T 5	7 34 56	24 <sup>0</sup> 22'09	27 <sup>0</sup> 14	23 <sup>0</sup> 35	21 <sup>0</sup> 8	1 <sup>0</sup> 12	17 <sup>0</sup> 2	20 <sup>0</sup> 1	14 <sup>0</sup> 1	24 <sup>3</sup> 36	19 <sup>5</sup> 58	26 <sup>2</sup> 27	25 <sup>0</sup> 10	1 <sup>3</sup> 38	1 <sup>4</sup> 48	T 5
W 6	7 38 53	25 <sup>0</sup> 23'14	12 <sup>2</sup> 7	25 <sup>0</sup> 16	22 <sup>0</sup> 22	1 <sup>5</sup> 52	17 <sup>0</sup> 16	20 <sup>0</sup> 7	14 <sup>0</sup> 0	24 <sup>3</sup> 37	19 <sup>5</sup> 59	26 <sup>2</sup> 22	25 <sup>0</sup> 7	1 <sup>4</sup> 45	1 <sup>4</sup> 46	W 6
T 7	7 42 49	26 <sup>0</sup> 24'18	26 <sup>0</sup> 46	26 <sup>0</sup> 57	23 <sup>0</sup> 35	2 <sup>0</sup> 32	17 <sup>0</sup> 30	20 <sup>0</sup> 13	13 <sup>0</sup> 58	24 <sup>3</sup> 37	20 <sup>0</sup> 1	26 <sup>0</sup> 19	25 <sup>0</sup> 4	1 <sup>5</sup> 52	1 <sup>4</sup> 45	T 7
F 8	7 46 46	27 <sup>0</sup> 25'21	11 <sup>0</sup> 5	28 <sup>0</sup> 39	24 <sup>0</sup> 49	3 <sup>0</sup> 12	17 <sup>0</sup> 44	20 <sup>0</sup> 20	13 <sup>0</sup> 57	24 <sup>3</sup> 38	20 <sup>0</sup> 3	26 <sup>0</sup> 16	25 <sup>0</sup> 1	1 <sup>5</sup> 58	1 <sup>4</sup> 43	F 8
S 9	7 50 43	28 <sup>0</sup> 26'23	25 <sup>0</sup> 2	0 <sup>2</sup> 21	26 <sup>0</sup> 3	3 <sup>5</sup> 52	17 <sup>0</sup> 58	20 <sup>0</sup> 26	13 <sup>0</sup> 55	24 <sup>3</sup> 38	20 <sup>0</sup> 4	26 <sup>0</sup> D15	24 <sup>0</sup> 58	2 <sup>0</sup> 5	1 <sup>4</sup> 42	S 9
S 10	7 54 39	29 <sup>0</sup> 27'24	8 <sup>3</sup> 37	2 <sup>0</sup> 5	27 <sup>0</sup> 17	4 <sup>3</sup> 32	18 <sup>0</sup> 12	20 <sup>0</sup> 32	13 <sup>0</sup> 53	24 <sup>3</sup> 38	20 <sup>0</sup> 6	26 <sup>0</sup> 16	24 <sup>0</sup> 54	2 <sup>1</sup> 12	1 <sup>4</sup> 40	S 10
M 11	7 58 36	0 <sup>2</sup> 28'24	21 <sup>0</sup> 51	3 <sup>4</sup> 48	28 <sup>0</sup> 31	5 <sup>5</sup> 12	18 <sup>0</sup> 26	20 <sup>0</sup> 38	13 <sup>0</sup> 52	24 <sup>3</sup> 39	20 <sup>0</sup> 8	26 <sup>0</sup> 17	24 <sup>0</sup> 51	2 <sup>1</sup> 18	1 <sup>3</sup> 39	M 11
T 12	8 2 32	1 <sup>2</sup> 29'22	4 <sup>11</sup> 47	5 <sup>3</sup> 32	29 <sup>0</sup> 45	5 <sup>5</sup> 52	18 <sup>0</sup> 40	20 <sup>0</sup> 44	13 <sup>0</sup> 50	24 <sup>4</sup> 40	20 <sup>0</sup> 9	26 <sup>0</sup> 19	24 <sup>0</sup> 48	2 <sup>2</sup> 25	1 <sup>3</sup> 38	T 12
W 13	8 6 29	2 <sup>0</sup> 30'19	17 <sup>0</sup> 27	7 <sup>0</sup> 17	0 <sup>3</sup> 59	6 <sup>3</sup> 32	18 <sup>0</sup> 54	20 <sup>0</sup> 49	13 <sup>0</sup> 48	24 <sup>4</sup> 40	20 <sup>0</sup> 11	26 <sup>0</sup> 20	24 <sup>0</sup> 45	2 <sup>3</sup> 32	1 <sup>3</sup> 36	W 13
T 14	8 10 25	3 <sup>0</sup> 31'16	29 <sup>0</sup> 55	9 <sup>0</sup> 3	2 <sup>1</sup> 13	7 <sup>0</sup> 12	19 <sup>0</sup> 8	20 <sup>0</sup> 55	13 <sup>0</sup> 47	24 <sup>4</sup> 41	20 <sup>0</sup> 13	26 <sup>0</sup> R20	24 <sup>0</sup> 42	2 <sup>3</sup> 39	1 <sup>3</sup> 35	T 14
F 15	8 14 22	4 <sup>0</sup> 32'11	12 <sup>2</sup> 12	10 <sup>0</sup> 48	3 <sup>2</sup> 27	7 <sup>5</sup> 52	19 <sup>0</sup> 22	21 <sup>0</sup> 1	13 <sup>0</sup> 45	24 <sup>4</sup> 42	20 <sup>0</sup> 14	26 <sup>0</sup> 19	24 <sup>0</sup> 38	2 <sup>4</sup> 45	1 <sup>3</sup> 34	F 15
S 16	8 18 18	5 <sup>0</sup> 33'04	24 <sup>0</sup> 21	12 <sup>0</sup> 34	4 <sup>4</sup> 41	8 <sup>0</sup> 33	19 <sup>0</sup> 35	21 <sup>0</sup> 7	13 <sup>0</sup> 43	24 <sup>4</sup> 42	20 <sup>0</sup> 16	26 <sup>0</sup> 15	24 <sup>0</sup> 35	2 <sup>5</sup> 52	1 <sup>3</sup> 33	S 16
S 17	8 22 15	6 <sup>0</sup> 33'57	6 <sup>11</sup> 24	14 <sup>0</sup> 21	5 <sup>5</sup> 55	9 <sup>0</sup> 13	19 <sup>0</sup> 49	21 <sup>0</sup> 12	13 <sup>0</sup> 41	24 <sup>4</sup> 43	20 <sup>0</sup> 18	26 <sup>0</sup> 10	24 <sup>0</sup> 32	2 <sup>5</sup> 59	1 <sup>3</sup> 32	S 17
M 18	8 26 12	7 <sup>0</sup> 34'48	18 <sup>0</sup> 21	16 <sup>0</sup> 7	7 <sup>0</sup> 9	9 <sup>5</sup> 53	20 <sup>0</sup> 3	21 <sup>0</sup> 18	13 <sup>0</sup> 39	24 <sup>4</sup> 44	20 <sup>0</sup> 19	26 <sup>0</sup> 3	24 <sup>0</sup> 29	3 <sup>0</sup> 5	1 <sup>3</sup> 31	M 18
T 19	8 30 8	8 <sup>0</sup> 35'39	0 <sup>11</sup> 15	17 <sup>0</sup> 54	8 <sup>2</sup> 33	10 <sup>0</sup> 33	20 <sup>0</sup> 17	21 <sup>0</sup> 24	13 <sup>0</sup> 37	24 <sup>4</sup> 45	20 <sup>0</sup> 21	25 <sup>0</sup> 55	24 <sup>0</sup> 26	3 <sup>1</sup> 12	1 <sup>3</sup> 31	T 19
W 20	8 34 5	9 <sup>0</sup> 36'28	12 <sup>0</sup> 7	19 <sup>0</sup> 41	9 <sup>3</sup> 37	11 <sup>0</sup> 13	20 <sup>0</sup> 30	21 <sup>0</sup> 29	13 <sup>0</sup> 35	24 <sup>4</sup> 45	20 <sup>0</sup> 23	25 <sup>0</sup> 46	24 <sup>0</sup> 23	3 <sup>1</sup> 19	1 <sup>3</sup> 30	W 20
T 21	8 38 1	10 <sup>0</sup> 37'16	23 <sup>0</sup> 59	21 <sup>0</sup> 28	10 <sup>0</sup> 51	11 <sup>0</sup> 53	20 <sup>0</sup> 44	21 <sup>0</sup> 34	13 <sup>0</sup> 33	24 <sup>4</sup> 46	20 <sup>0</sup> 24	25 <sup>0</sup> 37	24 <sup>0</sup> 19	3 <sup>2</sup> 25	1 <sup>2</sup> 29	T 21
F 22	8 41 58	11 <sup>0</sup> 38'03	5 <sup>11</sup> 54	23 <sup>0</sup> 14	12 <sup>0</sup> 5	12 <sup>0</sup> 34	20 <sup>0</sup> 58	21 <sup>0</sup> 40	13 <sup>0</sup> 31	24 <sup>4</sup> 47	20 <sup>0</sup> 26	25 <sup>0</sup> 30	24 <sup>0</sup> 16	3 <sup>3</sup> 32	1 <sup>2</sup> 29	F 22
S 23	8 45 54	12 <sup>0</sup> 38'49	17 <sup>0</sup> 54	24 <sup>0</sup> 59	13 <sup>0</sup> 19	13 <sup>0</sup> 14	21 <sup>0</sup> 11	21 <sup>0</sup> 45	13 <sup>0</sup> 29	24 <sup>4</sup> 48	20 <sup>0</sup> 28	25 <sup>0</sup> 25	24 <sup>0</sup> 13	3 <sup>3</sup> 39	1 <sup>2</sup> 28	S 23
S 24	8 49 51	13 <sup>0</sup> 39'33	0 <sup>11</sup> 4	26 <sup>0</sup> 44	14 <sup>0</sup> 33	13 <sup>0</sup> 54	21 <sup>0</sup> 25	21 <sup>0</sup> 50	13 <sup>0</sup> 27	24 <sup>4</sup> 49	20 <sup>0</sup> 29	25 <sup>0</sup> 22	24 <sup>0</sup> 10	3 <sup>4</sup> 46	1 <sup>2</sup> 28	S 24
M 25	8 53 47	14 <sup>0</sup> 40'17	12 <sup>0</sup> 28	28 <sup>0</sup> 27	15 <sup>0</sup> 48	14 <sup>0</sup> 34	21 <sup>0</sup> 38	21 <sup>0</sup> 56	13 <sup>0</sup> 25	24 <sup>4</sup> 50	20 <sup>0</sup> 31	25 <sup>0</sup> D21	24 <sup>0</sup> 7	3 <sup>5</sup> 52	1 <sup>2</sup> 28	M 25
T 26	8 57 44	15 <sup>0</sup> 41'00	25 <sup>0</sup> 11	0 <sup>11</sup> 9	17 <sup>0</sup> 2	15 <sup>0</sup> 14	21 <sup>0</sup> 52	22 <sup>0</sup> 1	13 <sup>0</sup> 23	24 <sup>4</sup> 51	20 <sup>0</sup> 33	25 <sup>0</sup> 21	24 <sup>0</sup> 4	3 <sup>5</sup> 59	1 <sup>2</sup> 27	T 26
W 27	9 1 41	16 <sup>0</sup> 41'42	8 <sup>11</sup> 16	1 <sup>4</sup> 49	18 <sup>0</sup> 16	15 <sup>0</sup> 55	22 <sup>0</sup> 5	22 <sup>0</sup> 6	13 <sup>0</sup> 20	24 <sup>4</sup> 52	20 <sup>0</sup> 35	25 <sup>0</sup> 22	24 <sup>0</sup> 0	4 <sup>0</sup> 6	1 <sup>2</sup> 27	W 27
T 28	9 5 37	17 <sup>0</sup> 42'22	21 <sup>0</sup> 49	3 <sup>2</sup> 27	19 <sup>0</sup> 30	16 <sup>0</sup> 35	22 <sup>0</sup> 19	22 <sup>0</sup> 11	13 <sup>0</sup> 18	24 <sup>4</sup> 53	20 <sup>0</sup> 36	25 <sup>0</sup> R23	23 <sup>0</sup> 57	4 <sup>1</sup> 12	1 <sup>2</sup> 27	T 28
F 29	9 9 34	18 <sup>0</sup> 43'02	5 <sup>11</sup> 50	5 <sup>0</sup> 1	20 <sup>0</sup> 44	17 <sup>0</sup> 15	22 <sup>0</sup> 32	22 <sup>0</sup> 16	13 <sup>0</sup> 16	24 <sup>4</sup> 54	20 <sup>0</sup> 38	25 <sup>0</sup> 23	23 <sup>0</sup> 54	4 <sup>1</sup> 19	1 <sup>2</sup> D27	F 29
S 30	9 13 30	19 <sup>0</sup> 43'40	20 <sup>0</sup> 19	6 <sup>3</sup> 32	21 <sup>0</sup> 58	17 <sup>0</sup> 55	22 <sup>0</sup> 46	22 <sup>0</sup> 20	13 <sup>0</sup> 13	24 <sup>4</sup> 55	20 <sup>0</sup> 40	25 <sup>0</sup> 20	23 <sup>0</sup> 51	4 <sup>2</sup> 26	1 <sup>2</sup> 27	S 30
S 31	9 17 27	20 <sup>0</sup> 44'17	5 <sup>11</sup> 13	7 <sup>11</sup> 59	23 <sup>0</sup> 13	18 <sup>0</sup> 36	22 <sup>0</sup> 59	22 <sup>0</sup> 25	13 <sup>0</sup> 11	24 <sup>4</sup> 57	20 <sup>0</sup> 42	25 <sup>0</sup> 15	23 <sup>0</sup> 48	4 <sup>2</sup> 33	1 <sup>11</sup> 27	S 31

Delta T = 188.59 sec

Julian Calendar 1 Jan. 1546 == Greg. Calendar 11 Jan. 1546

FEBRUARY 1546 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	9 21 23	21 <sup>0</sup> 44'52	20 <sup>0</sup> 24	9 <sup>11</sup> 21	24 <sup>0</sup> 27	19 <sup>0</sup> 16	23 <sup>0</sup> 12	22 <sup>0</sup> 30	13 <sup>0</sup> R 9	24 <sup>4</sup> 58	20 <sup>0</sup> 43	25 <sup>0</sup> R 8	23 <sup>0</sup> 44	4 <sup>11</sup> 39	1 <sup>11</sup> 28	M 1
T 2	9 25 20	22 <sup>0</sup> 45'26	5 <sup>11</sup> 42	10 <sup>0</sup> 38	25 <sup>0</sup> 41	19 <sup>0</sup> 56	23 <sup>0</sup> 25	22 <sup>0</sup> 35	13 <sup>0</sup> 11	24 <sup>4</sup> 59	20 <sup>0</sup> 45	24 <sup>0</sup> 59	23 <sup>0</sup> 41	4 <sup>4</sup> 46	1 <sup>2</sup> 28	T 2
W 3	9 29 16	23 <sup>0</sup> 45'57	20 <sup>0</sup> 57	11 <sup>0</sup> 48	26 <sup>0</sup> 55	20 <sup>0</sup> 37	23 <sup>0</sup> 38	22 <sup>0</sup> 39	13 <sup>0</sup> 4	25 <sup>0</sup> 0	20 <sup>0</sup> 47	24 <sup>0</sup> 50	23 <sup>0</sup> 38	4 <sup>5</sup> 53	1 <sup>2</sup> 28	W 3
T 4	9 33 13	24 <sup>0</sup> 46'28	5 <sup>11</sup> 56	12 <sup>0</sup> 52	28 <sup>0</sup> 9	21 <sup>0</sup> 17	23 <sup>0</sup> 52	22 <sup>0</sup> 44	13 <sup>0</sup> 2	25 <sup>0</sup> 2	20 <sup>0</sup> 48	24 <sup>0</sup> 41	23 <sup>0</sup> 35	5 <sup>0</sup> 0	1 <sup>2</sup> 29	T 4
F 5	9 37 10	25 <sup>0</sup> 46'56	20 <sup>0</sup> 33	13 <sup>0</sup> 48	29 <sup>0</sup> 24	21 <sup>0</sup> 57	24 <sup>0</sup> 5	22 <sup>0</sup> 48	12 <sup>0</sup> 59	25 <sup>0</sup> 3	20 <sup>0</sup> 50	24 <sup>0</sup> 34	23 <sup>0</sup> 32	5 <sup>0</sup> 6	1 <sup>2</sup> 29	F 5
S 6	9 41 6	26 <sup>0</sup> 47'22	4 <sup>11</sup> 43	14 <sup>0</sup> 36	0 <sup>2</sup> 38	22 <sup>0</sup> 37	24 <sup>0</sup> 18	22 <sup>0</sup> 52	12 <sup>0</sup> 57	25 <sup>0</sup> 4	20 <sup>0</sup> 52	24 <sup>0</sup> 30	23 <sup>0</sup> 29	5 <sup>0</sup> 13	1 <sup>3</sup> 30	S 6
S 7	9 45 3	27 <sup>0</sup> 47'47	18 <sup>0</sup> 24	15 <sup>0</sup> 15	1 <sup>5</sup> 52	23 <sup>0</sup> 18	24 <sup>0</sup> 30	22 <sup>0</sup> 57	12 <sup>0</sup> 54	25 <sup>0</sup> 6	20 <sup>0</sup> 54	24 <sup>0</sup> 28	23 <sup>0</sup> 25	5 <sup>0</sup> 20	1 <sup>3</sup> 31	S 7
M 8	9 48 59	28 <sup>0</sup> 48'10	1 <sup>11</sup> 38	15 <sup>0</sup> 46	3 <sup>0</sup> 6	23 <sup>0</sup> 58	24 <sup>0</sup> 43	23 <sup>0</sup> 1	12 <sup>0</sup> 52	25 <sup>0</sup> 7	20 <sup>0</sup> 55	24 <sup>0</sup> D27	23 <sup>0</sup> 22	5 <sup>0</sup> 26	1 <sup>3</sup> 31	M 8
T 9	9 52 56	29 <sup>0</sup> 48'30	14 <sup>0</sup> 29	16 <sup>0</sup> 6	4 <sup>0</sup> 21	24 <sup>0</sup> 38	24 <sup>0</sup> 56	23 <sup>0</sup> 5	12 <sup>0</sup> 49	25 <sup>0</sup> 9	20 <sup>0</sup> 57	24 <sup>0</sup> 28	23 <sup>0</sup> 19	5 <sup>0</sup> 33	1 <sup>3</sup> 32	T 9
W10	9 56 52	0 <sup>11</sup> 48'49	27 <sup>0</sup> 1	16 <sup>0</sup> 17	5 <sup>3</sup> 35	25 <sup>0</sup> 19	25 <sup>0</sup> 9	23 <sup>0</sup> 9	12 <sup>0</sup> 47	25 <sup>0</sup> 10	20 <sup>0</sup> 59	24 <sup>0</sup> R28	23 <sup>0</sup> 16	5 <sup>4</sup> 40	1 <sup>3</sup> 33	W10
T11	10 0 49	1 <sup>4</sup> 49'05	9 <sup>11</sup> 18	16 <sup>0</sup> R19	6 <sup>4</sup> 49	25 <sup>0</sup> 59	25 <sup>0</sup> 22	23 <sup>0</sup> 13	12 <sup>0</sup> 44	25 <sup>0</sup> 12	21 <sup>0</sup> 1	24 <sup>0</sup> 27	23 <sup>0</sup> 13	5 <sup>4</sup> 47	1 <sup>3</sup> 34	T11
F12	10 4 45	2 <sup>4</sup> 49'20	21 <sup>0</sup> 24	16 <sup>0</sup> 10	8 <sup>0</sup> 3	26 <sup>0</sup> 39	25 <sup>0</sup> 34	23 <sup>0</sup> 17	12 <sup>0</sup> 42	25 <sup>0</sup> 13	21 <sup>0</sup> 2	24 <sup>0</sup> 24	23 <sup>0</sup> 10	5 <sup>5</sup> 53	1 <sup>3</sup> 35	F12
S13	10 8 42	3 <sup>4</sup> 49'32	3 <sup>11</sup> 23	15 <sup>0</sup> 52	9 <sup>0</sup> 17	27 <sup>0</sup> 19	25 <sup>0</sup> 47	23 <sup>0</sup> 20	12 <sup>0</sup> 39	25 <sup>0</sup> 15	21 <sup>0</sup> 4	24 <sup>0</sup> 17	23 <sup>0</sup> 6	6 <sup>0</sup> 0	1 <sup>3</sup> 36	S13
S14	10 12 39	4 <sup>4</sup> 49'43	15 <sup>0</sup> 18	15 <sup>0</sup> 26	10 <sup>0</sup> 32	28 <sup>0</sup> 0	25 <sup>0</sup> 59	23 <sup>0</sup> 24	12 <sup>0</sup> 36	25 <sup>0</sup> 16	21 <sup>0</sup> 6	24 <sup>0</sup> 8	23 <sup>0</sup> 3	6 <sup>0</sup> 7	1 <sup>3</sup> 37	S14
M15	10 16 35	5 <sup>4</sup> 49'51	27 <sup>0</sup> 10	14 <sup>0</sup> 51	11 <sup>0</sup> 46	28 <sup>0</sup> 40	26 <sup>0</sup> 12	23 <sup>0</sup> 28	12 <sup>0</sup> 34	25 <sup>0</sup> 18	21 <sup>0</sup> 7	23 <sup>0</sup> 57	23 <sup>0</sup> 0	6 <sup>1</sup> 13	1 <sup>3</sup> 39	M15
T16	10 20 32	6 <sup>4</sup> 49'58	9 <sup>11</sup> 2	14 <sup>0</sup> 9	13 <sup>0</sup> 0	29 <sup>0</sup> 20	26 <sup>0</sup> 24	23 <sup>0</sup> 31	12 <sup>0</sup> 31	25 <sup>0</sup> 19	21 <sup>0</sup> 9	23 <sup>0</sup> 44	22 <sup>0</sup> 57	6 <sup>2</sup> 20	1 <sup>4</sup> 0	T16
W17	10 24 28	7 <sup>5</sup> 50'03	20 <sup>0</sup> 56	13 <sup>0</sup> 20	14 <sup>0</sup> 14	0 <sup>3</sup> 1	26 <sup>0</sup> 36	23 <sup>0</sup> 35	12 <sup>0</sup> 29	25 <sup>0</sup> 21	21 <sup>0</sup> 11	23 <sup>0</sup> 29	22 <sup>0</sup> 54	6 <sup>2</sup> 27	1 <sup>4</sup> 2	W17
T18	10 28 25	8 <sup>5</sup> 50'06	2 <sup>11</sup> 51	12 <sup>0</sup> 27	15 <sup>0</sup> 29	0 <sup>4</sup> 1	26 <sup>0</sup> 49	23 <sup>0</sup> 38	12 <sup>0</sup> 26	25 <sup>0</sup> 23	21 <sup>0</sup> 12	23 <sup>0</sup> 16	22 <sup>0</sup> 50	6 <sup>3</sup> 34	1 <sup>4</sup> 3	T18
F19	10 32 21	9 <sup>5</sup> 50'07	14 <sup>0</sup> 50	11 <sup>0</sup> 29	16 <sup>0</sup> 43	1 <sup>0</sup> 21	27 <sup>0</sup> 1	23 <sup>0</sup> 41	12 <sup>0</sup> 23	25 <sup>0</sup> 24	21 <sup>0</sup> 14	23 <sup>0</sup> 4	22 <sup>0</sup> 47	6 <sup>4</sup> 40	1 <sup>4</sup> 5	F19
S20	10 36 18	10 <sup>5</sup> 50'06	26 <sup>0</sup> 55	10 <sup>0</sup> 30	17 <sup>0</sup> 57	2 <sup>0</sup> 2	27 <sup>0</sup> 13	23 <sup>0</sup> 44	12 <sup>0</sup> 21	25 <sup>0</sup> 26	21 <sup>0</sup> 16	22 <sup>0</sup> 54	22 <sup>0</sup> 44	6 <sup>4</sup> 47	1 <sup>4</sup> 6	S20
S21	10 40 14	11 <sup>5</sup> 50'04	9 <sup>11</sup> 8	9 <sup>0</sup> 30	19 <sup>0</sup> 11	2 <sup>4</sup> 2	27 <sup>0</sup> 25	23 <sup>0</sup> 48	12 <sup>0</sup> 18	25 <sup>0</sup> 28	21 <sup>0</sup> 17	22 <sup>0</sup> 47	22 <sup>0</sup> 41	6 <sup>5</sup> 54	1 <sup>4</sup> 8	S21
M22	10 44 11	12 <sup>5</sup> 50'00	21 <sup>0</sup> 32	8 <sup>0</sup> 30	20 <sup>0</sup> 25	3 <sup>0</sup> 23	27 <sup>0</sup> 37	23 <sup>0</sup> 51	12 <sup>0</sup> 15	25 <sup>0</sup> 30	21 <sup>0</sup> 19	22 <sup>0</sup> 43	22 <sup>0</sup> 38	7 <sup>0</sup> 0	1 <sup>5</sup> 0	M22
T23	10 48 8	13 <sup>4</sup> 49'55	4 <sup>11</sup> 12	7 <sup>0</sup> 32	21 <sup>0</sup> 40	4 <sup>0</sup> 3	27 <sup>0</sup> 49	23 <sup>0</sup> 53	12 <sup>0</sup> 13	25 <sup>0</sup> 31	21 <sup>0</sup> 21	22 <sup>0</sup> 42	22 <sup>0</sup> 35	7 <sup>0</sup> 7	1 <sup>5</sup> 2	T23
W24	10 52 4	14 <sup>4</sup> 49'47	17 <sup>0</sup> 12	6 <sup>0</sup> 37	22 <sup>0</sup> 54	4 <sup>0</sup> 43	28 <sup>0</sup> 0	23 <sup>0</sup> 56	12 <sup>0</sup> 10	25 <sup>0</sup> 33	21 <sup>0</sup> 22	22 <sup>0</sup> 42	22 <sup>0</sup> 31	7 <sup>1</sup> 14	1 <sup>5</sup> 4	W24
T25	10 56 1	15 <sup>4</sup> 49'38	0 <sup>3</sup> 35	5 <sup>4</sup> 46	24 <sup>0</sup> 8	5 <sup>0</sup> 24	28 <sup>0</sup> 12	23 <sup>0</sup> 59	12 <sup>0</sup> 8	25 <sup>0</sup> 35	21 <sup>0</sup> 24	22 <sup>0</sup> 41	22 <sup>0</sup> 28	7 <sup>2</sup> 21	1 <sup>5</sup> 6	T25
F26	10 59 57	16 <sup>4</sup> 49'28	14 <sup>0</sup> 25	4 <sup>5</sup> 59	25 <sup>0</sup> 22	6 <sup>0</sup> 4	28 <sup>0</sup> 24	24 <sup>0</sup> 2	12 <sup>0</sup> 5	25 <sup>0</sup> 37	21 <sup>0</sup> 25	22 <sup>0</sup> 40	22 <sup>0</sup> 25	7 <sup>2</sup> 27	1 <sup>5</sup> 8	F26
S27	11 3 54	17 <sup>4</sup> 49'15	28 <sup>0</sup> 42	4 <sup>0</sup> 18	26 <sup>0</sup> 37	6 <sup>0</sup> 44	28 <sup>0</sup> 35	24 <sup>0</sup> 4	12 <sup>0</sup> 2	25 <sup>0</sup> 39	21 <sup>0</sup> 27	22 <sup>0</sup> 37	22 <sup>0</sup> 22	7 <sup>3</sup> 34	2 <sup>0</sup> 0	S27
S28	11 7 50	18 <sup>4</sup> 49'01	13 <sup>0</sup> 26	3 <sup>11</sup> 43	27 <sup>0</sup> 51	7 <sup>3</sup> 25	28 <sup>0</sup> 47	24 <sup>0</sup> 7	12 <sup>0</sup> 11	25 <sup>0</sup> 41	21 <sup>0</sup> 29	22 <sup>0</sup> 31	22 <sup>0</sup> 19	7 <sup>11</sup> 41	2 <sup>11</sup> 2	S28

# ASTRODIENST EPHEMERIS for the year 1546

## geocentric

MARCH 1546 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	11 11 47	19°48'45	28°31	3°R14	29°5	8°5	28°58	24°9	11°R57	25°V42	21°30	22°R22	22°15	7°M47	2°II 4	M 1
T 2	11 15 43	20°48'27	13°48	2°H51	0°H19	8°45	29°9	24°11	11°M55	25°44	21°32	22°11	22°12	7°54	2°7	T 2
W 3	11 19 40	21°48'07	29°7	2°34	1°33	9°26	29°20	24°14	11°52	25°46	21°33	22°0	22°9	8°1	2°9	W 3
T 4	11 23 36	22°47'45	14°Y15	2°24	2°48	10°6	29°31	24°16	11°49	25°48	21°35	21°49	22°6	8°8	2°11	T 4
F 5	11 27 33	23°47'21	29°3	2°D20	4°2	10°46	29°42	24°18	11°47	25°50	21°36	21°40	22°3	8°14	2°14	F 5
S 6	11 31 30	24°46'55	13°824	2°21	5°16	11°27	29°53	24°20	11°44	25°52	21°38	21°33	22°0	8°21	2°17	S 6
S 7	11 35 26	25°46'26	27°15	2°29	6°30	12°7	0°4	24°21	11°42	25°54	21°39	21°29	21°56	8°28	2°19	S 7
M 8	11 39 23	26°45'55	10°II37	2°41	7°44	12°47	0°15	24°23	11°39	25°56	21°41	21°28	21°53	8°34	2°22	M 8
T 9	11 43 19	27°45'22	23°32	3°0	8°59	13°27	0°25	24°25	11°37	25°58	21°42	21°27	21°50	8°41	2°25	T 9
W10	11 47 16	28°44'46	6°4	3°23	10°13	14°8	0°36	24°26	11°34	26°0	21°44	21°27	21°47	8°48	2°28	W10
T 11	11 51 12	29°44'08	18°19	3°50	11°27	14°48	0°46	24°28	11°32	26°2	21°45	21°26	21°44	8°55	2°31	T 11
F 12	11 55 9	0°Y43'28	0°Ω22	4°22	12°41	15°28	0°57	24°29	11°29	26°4	21°46	21°23	21°41	9°1	2°34	F 12
S 13	11 59 5	1°42'45	12°17	4°59	13°55	16°9	1°7	24°30	11°27	26°7	21°48	21°17	21°37	9°8	2°37	S 13
S 14	12 3 2	2°42'00	24°9	5°39	15°9	16°49	1°17	24°31	11°25	26°9	21°49	21°8	21°34	9°15	2°40	S 14
M15	12 6 59	3°41'13	6°M0	6°23	16°23	17°29	1°27	24°32	11°22	26°11	21°51	20°57	21°31	9°22	2°43	M15
T 16	12 10 55	4°40'23	17°52	7°11	17°37	18°9	1°37	24°33	11°20	26°13	21°52	20°44	21°28	9°28	2°46	T 16
W17	12 14 52	5°39'32	29°49	8°1	18°52	18°49	1°46	24°34	11°18	26°15	21°53	20°30	21°25	9°35	2°49	W17
T 18	12 18 48	6°38'38	11°Ω50	8°55	20°6	19°30	1°56	24°35	11°15	26°17	21°55	20°17	21°21	9°42	2°53	T 18
F 19	12 22 45	7°37'42	23°58	9°52	21°20	20°10	2°5	24°35	11°13	26°19	21°56	20°5	21°18	9°48	2°56	F 19
S 20	12 26 41	8°36'44	6°M13	10°52	22°34	20°50	2°15	24°36	11°11	26°21	21°57	19°56	21°15	9°55	2°59	S 20
S 21	12 30 38	9°35'45	18°36	11°55	23°48	21°30	2°24	24°36	11°9	26°24	21°58	19°49	21°12	10°2	3°3	S 21
M22	12 34 34	10°34'43	1°M10	13°0	25°2	22°10	2°33	24°37	11°6	26°26	22°0	19°45	21°9	10°9	3°6	M22
T 23	12 38 31	11°33'40	13°57	14°8	26°16	22°50	2°42	24°37	11°4	26°28	22°1	19°D43	21°6	10°15	3°10	T 23
W24	12 42 28	12°32'35	27°0	15°18	27°30	23°30	2°51	24°37	11°2	26°30	22°2	19°43	21°2	10°22	3°14	W24
T 25	12 46 24	13°31'28	10°Ω21	16°30	28°44	24°10	3°0	24°R37	11°0	26°32	22°3	19°R44	20°59	10°29	3°17	T 25
F 26	12 50 21	14°30'20	24°4	17°44	29°58	24°51	3°8	24°37	10°58	26°35	22°5	19°44	20°56	10°35	3°21	F 26
S 27	12 54 17	15°29'09	8°M9	19°1	1°Y12	25°31	3°17	24°37	10°56	26°37	22°6	19°41	20°53	10°42	3°25	S 27
S 28	12 58 14	16°27'57	22°37	20°20	2°26	26°11	3°25	24°37	10°54	26°39	22°7	19°37	20°50	10°49	3°29	S 28
M29	13 2 10	17°26'44	7°H23	21°40	3°40	26°51	3°34	24°36	10°52	26°41	22°8	19°30	20°46	10°56	3°33	M29
T 30	13 6 7	18°25'28	22°23	23°3	4°54	27°31	3°42	24°36	10°50	26°44	22°9	19°22	20°43	11°2	3°36	T 30
W31	13 10 3	19°Y24'10	7°Y26	24°H27	6°Y8	28°Ω11	3°M50	24°R35	10°M48	26°Y46	22°M10	19°R13	20°R40	11°M9	3°II40	W31

Delta T = 188.24 sec

Julian Calendar 1 March 1546 == Greg. Calendar 11 March 1546

APRIL 1546 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	13 14 0	20°Y22'51	22°Y25	25°H53	7°Y22	28°Ω50	3°M57	24°R35	10°R46	26°Y48	22°M11	19°R4	20°R37	11°M16	3°II44	T 1
F 2	13 17 57	21°21'30	7°H8	27°21	8°36	29°30	4°5	24°R34	10°M45	26°50	22°12	18°R56	20°34	11°22	3°48	F 2
S 3	13 21 53	22°20'06	21°29	28°51	9°50	0°M10	4°13	24°R33	10°43	26°53	22°13	18°51	20°31	11°29	3°53	S 3
S 4	13 25 50	23°18'41	5°II24	0°Y23	11°4	0°50	4°20	24°32	10°41	26°55	22°14	18°48	20°27	11°36	3°57	S 4
M 5	13 29 46	24°17'13	18°51	1°56	12°18	1°30	4°27	24°31	10°39	26°57	22°15	18°D47	20°24	11°43	4°1	M 5
T 6	13 33 43	25°15'44	1°Ω52	3°31	13°32	2°9	4°34	24°30	10°38	26°59	22°16	18°48	20°21	11°49	4°5	T 6
W 7	13 37 39	26°14'12	14°29	5°8	14°46	2°49	4°41	24°29	10°36	27°2	22°17	18°49	20°18	11°56	4°9	W 7
T 8	13 41 36	27°12'38	26°48	6°46	16°0	3°29	4°48	24°27	10°35	27°4	22°18	18°R50	20°15	12°3	4°14	T 8
F 9	13 45 32	28°11'02	8°Ω52	8°26	17°14	4°8	4°55	24°26	10°33	27°6	22°19	18°49	20°12	12°10	4°18	F 9
S 10	13 49 29	29°9'23	20°48	10°8	18°28	4°48	5°1	24°24	10°32	27°8	22°20	18°46	20°8	12°16	4°22	S 10
S 11	13 53 26	0°H7'43	2°M40	11°52	19°42	5°28	5°8	24°23	10°30	27°11	22°20	18°42	20°5	12°23	4°27	S 11
M12	13 57 22	1°6'00	14°32	13°38	20°56	6°7	5°14	24°21	10°29	27°13	22°21	18°35	20°2	12°30	4°31	M12
T 13	14 1 19	2°4'15	26°27	15°25	22°10	6°47	5°20	24°19	10°28	27°15	22°22	18°27	19°59	12°36	4°36	T 13
W14	14 5 15	3°2'29	8°Ω29	17°14	23°24	7°26	5°26	24°17	10°26	27°17	22°23	18°19	19°56	12°43	4°40	W14
T 15	14 9 12	4°0'40	20°38	19°4	24°38	8°5	5°32	24°16	10°25	27°20	22°24	18°11	19°52	12°50	4°45	T 15
F 16	14 13 8	4°58'50	2°M57	20°57	25°51	8°45	5°37	24°14	10°24	27°22	22°24	18°3	19°49	12°57	4°49	F 16
S 17	14 17 5	5°56'58	15°26	22°51	27°5	9°24	5°43	24°11	10°23	27°24	22°25	17°57	19°46	13°3	4°54	S 17
S 18	14 21 1	6°55'04	28°5	24°47	28°19	10°3	5°48	24°9	10°22	27°26	22°26	17°54	19°43	13°10	4°59	S 18
M19	14 24 58	7°53'09	10°M57	26°45	29°33	10°42	5°53	24°7	10°21	27°29	22°26	17°52	19°40	13°17	5°3	M19
T 20	14 28 54	8°51'12	24°0	28°44	0°H47	11°22	5°58	24°5	10°20	27°31	22°27	17°D52	19°37	13°23	5°8	T 20
W21	14 32 51	9°49'14	7°Ω17	0°H45	2°1	12°1	6°3	24°2	10°19	27°33	22°27	17°53	19°33	13°30	5°13	W21
T 22	14 36 48	10°47'15	20°48	2°48	3°14	12°40	6°7	24°0	10°18	27°35	22°28	17°54	19°30	13°37	5°18	T 22
F 23	14 40 44	11°45'14	4°M34	4°52	4°28	13°19	6°12	23°57	10°17	27°38	22°29	17°56	19°27	13°44	5°22	F 23
S 24	14 44 41	12°43'11	18°35	6°58	5°42	13°58	6°16	23°54	10°16	27°40	22°29	17°R56	19°24	13°50	5°27	S 24
S 25	14 48 37	13°41'08	2°H50	9°5	6°56	14°36	6°20	23°51	10°15	27°42	22°30	17°54	19°21	13°57	5°32	S 25
M26	14 52 34	14°39'03	17°18	11°13	8°10	15°15	6°24	23°49	10°15	27°44	22°30	17°51	19°18	14°4	5°37	M26
T 27	14 56 30	15°36'57	1°Y34	13°22	9°24	15°54	6°27	23°46	10°14	27°46	22°31	17°47	19°14	14°11	5°42	T 27
W28	15 0 27	16°34'49	16°32	15°33	10°37	16°32	6°31	23°43	10°13	27°49	22°31	17°43	19°11	14°17	5°47	W28
T 29	15 4 23	17°32'40	1°H7	17°43	11°51	17°11	6°34	23°40	10°13	27°51	22°31	17°39	19°8	14°24	5°51	T 29
F 30	15 8 20	18°30'30	15°Ω30	19°Ω54	13°H5	17°M49	6°M38	23°R37	10°M12	27°Y53	22°M32	17°R35	19°R5	14°M31	5°II56	F 30

Delta T = 188.05 sec

Julian Calendar

# ASTRODIENST EPHEMERIS for the year 1546

## geocentric

MAY 1546 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	15 12 17	19°8'28"19	29°8'37	22°8'6	14°8'19	18°8'28	6°8'41	23°R33	10°R12	27°V55	22°8'32	17°R33	19°8'2	14°M37	6°II 1	S 1
S 2	15 16 13	20°26'06	13°II24	24°17	15°33	19°6	6°43	23°8'30	10°M12	27°57	22°32	17°D32	18°58	14°44	6°6	S 2
M 3	15 20 10	21°23'51	26°47	26°27	16°46	19°44	6°46	23°27	10°11	27°59	22°33	17°8'32	18°55	14°51	6°11	M 3
T 4	15 24 6	22°21'35	9°8'48	28°37	18°0	20°22	6°48	23°23	10°11	28°1	22°33	17°33	18°52	14°58	6°16	T 4
W 5	15 28 3	23°19'17	22°28	0°II46	19°14	21°0	6°51	23°20	10°11	28°3	22°33	17°34	18°49	15°4	6°21	W 5
T 6	15 31 59	24°16'58	4°8'49	2°54	20°28	21°38	6°53	23°16	10°11	28°6	22°33	17°36	18°46	15°11	6°26	T 6
F 7	15 35 56	25°14'37	16°57	5°0	21°41	22°16	6°55	23°13	10°10	28°8	22°34	17°37	18°43	15°18	6°31	F 7
S 8	15 39 53	26°12'15	28°55	7°4	22°55	22°54	6°56	23°9	10°10	28°10	22°34	17°R37	18°39	15°25	6°36	S 8
S 9	15 43 49	27°9'51	10°M49	9°7	24°9	23°32	6°58	23°5	10°D10	28°12	22°34	17°37	18°36	15°31	6°42	S 9
M10	15 47 46	28°7'26	22°42	11°7	25°23	24°9	6°59	23°2	10°10	28°14	22°34	17°35	18°33	15°38	6°47	M10
T 11	15 51 42	29°4'59	4°8'40	13°5	26°36	24°46	7°0	22°58	10°11	28°16	22°34	17°33	18°30	15°45	6°52	T 11
W12	15 55 39	0°II 2'31	16°45	15°1	27°50	25°24	7°1	22°54	10°11	28°18	22°34	17°30	18°27	15°51	6°57	W12
T 13	15 59 35	1°0'01	29°1	16°54	29°4	26°1	7°2	22°50	10°11	28°20	22°34	17°28	18°24	15°58	7°2	T 13
F 14	16 3 32	1°57'30	11°M30	18°45	0°II18	26°38	7°2	22°46	10°11	28°22	22°R34	17°25	18°20	16°5	7°7	F 14
S 15	16 7 28	2°54'58	24°14	20°33	1°31	27°15	7°3	22°42	10°11	28°24	22°34	17°24	18°17	16°12	7°12	S 15
S 16	16 11 25	3°52'26	7°8'13	22°18	2°45	27°52	7°R 3	22°38	10°12	28°26	22°34	17°23	18°14	16°18	7°17	S 16
M17	16 15 21	4°49'52	20°26	24°0	3°59	28°29	7°3	22°34	10°12	28°27	22°34	17°D23	18°11	16°25	7°22	M17
T 18	16 19 18	5°47'17	3°8'53	25°40	5°12	29°5	7°3	22°30	10°13	28°29	22°34	17°23	18°8	16°32	7°28	T 18
W19	16 23 15	6°44'41	17°33	27°17	6°26	29°42	7°2	22°26	10°13	28°31	22°34	17°24	18°4	16°38	7°33	W19
T 20	16 27 11	7°42'05	1°8'24	28°51	7°40	0°8'18	7°2	22°22	10°14	28°33	22°34	17°25	18°1	16°45	7°38	T 20
F 21	16 31 8	8°39'28	15°25	0°8'22	8°54	0°54	7°1	22°18	10°14	28°35	22°34	17°26	17°58	16°52	7°43	F 21
S 22	16 35 4	9°36'50	29°33	1°50	10°7	1°30	7°0	22°13	10°15	28°37	22°34	17°26	17°55	16°59	7°48	S 22
S 23	16 39 1	10°34'12	13°8'46	3°16	11°21	2°6	6°59	22°9	10°16	28°39	22°33	17°R26	17°52	17°5	7°53	S 23
M24	16 42 57	11°31'33	28°2	4°38	12°35	2°42	6°58	22°5	10°17	28°40	22°33	17°26	17°49	17°12	7°58	M24
T 25	16 46 54	12°28'53	12°8'18	5°57	13°48	3°17	6°56	22°1	10°18	28°42	22°33	17°25	17°45	17°19	8°3	T 25
W26	16 50 51	13°26'14	26°30	7°14	15°2	3°53	6°54	21°56	10°18	28°44	22°33	17°25	17°42	17°26	8°9	W26
T 27	16 54 47	14°23'33	10°8'37	8°27	16°16	4°28	6°52	21°52	10°19	28°46	22°32	17°25	17°39	17°32	8°14	T 27
F 28	16 58 44	15°20'53	24°33	9°37	17°29	5°3	6°50	21°48	10°20	28°47	22°32	17°24	17°36	17°39	8°19	F 28
S 29	17 2 40	16°18'11	8°II16	10°44	18°43	5°38	6°48	21°43	10°21	28°49	22°32	17°24	17°33	17°46	8°24	S 29
S 30	17 6 37	17°15'29	21°44	11°48	19°57	6°13	6°46	21°39	10°23	28°51	22°31	17°24	17°30	17°52	8°29	S 30
M31	17 10 33	18°II12'47	4°8'55	12°8'48	21°II11	6°8'47	6°8'43	21°8'34	10°M24	28°8'52	22°8'31	17°8'24	17°8'26	17°M59	8°II34	M31

Delta T = 187.87 sec

Julian Calendar 1 May 1546 == Greg. Calendar 11 May 1546

JUNE 1546 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	17 14 30	19°II10'04	17°8'47	13°8'45	22°II24	7°8'21	6°R40	21°R30	10°M25	28°V54	22°R30	17°R24	17°8'23	18°M6	8°II39	T 1
W 2	17 18 26	20°7'20	0°8'23	14°38	23°38	7°55	6°8'37	21°8'26	10°26	28°55	22°8'30	17°8'24	17°20	18°13	8°44	W 2
T 3	17 22 23	21°4'35	12°44	15°28	24°52	8°29	6°34	21°21	10°27	28°57	22°29	17°24	17°17	18°19	8°49	T 3
F 4	17 26 20	22°1'50	24°52	16°14	26°6	9°3	6°30	21°17	10°29	28°58	22°29	17°23	17°14	18°26	8°55	F 4
S 5	17 30 16	22°59'04	6°M51	16°56	27°19	9°36	6°27	21°12	10°30	29°0	22°28	17°23	17°10	18°33	9°0	S 5
S 6	17 34 13	23°56'18	18°45	17°34	28°33	10°9	6°23	21°8	10°32	29°1	22°28	17°D22	17°7	18°40	9°5	S 6
M 7	17 38 9	24°53'30	0°8'49	18°9	29°47	10°42	6°19	21°4	10°33	29°3	22°27	17°22	17°4	18°46	9°10	M 7
T 8	17 42 6	25°50'42	12°37	18°39	1°8'0	11°15	6°15	20°59	10°35	29°4	22°27	17°23	17°1	18°53	9°15	T 8
W 9	17 46 2	26°47'54	24°44	19°4	2°14	11°48	6°11	20°55	10°36	29°6	22°26	17°23	16°58	19°0	9°20	W 9
T 10	17 49 59	27°45'05	7°M3	19°26	3°28	12°20	6°6	20°50	10°38	29°7	22°25	17°24	16°55	19°6	9°25	T 10
F 11	17 53 55	28°42'15	19°38	19°43	4°41	12°52	6°2	20°46	10°40	29°8	22°25	17°25	16°51	19°13	9°30	F 11
S 12	17 57 52	29°39'26	2°8'33	19°55	5°55	13°23	5°57	20°42	10°41	29°10	22°24	17°26	16°48	19°20	9°35	S 12
S 13	18 1 49	0°8'36'36	15°47	20°3	7°9	13°55	5°52	20°37	10°43	29°11	22°23	17°R26	16°45	19°27	9°39	S 13
M14	18 5 45	1°33'45	29°21	20°R 6	8°23	14°26	5°47	20°33	10°45	29°12	22°23	17°26	16°42	19°33	9°44	M14
T 15	18 9 42	2°30'55	13°8'14	20°5	9°36	14°57	5°42	20°29	10°47	29°14	22°22	17°25	16°39	19°40	9°49	T 15
W16	18 13 38	3°28'05	27°21	19°59	10°50	15°28	5°37	20°25	10°49	29°15	22°21	17°24	16°36	19°47	9°54	W16
T 17	18 17 35	4°25'14	11°8'39	19°48	12°4	15°58	5°31	20°20	10°51	29°16	22°21	17°22	16°32	19°54	9°59	T 17
F 18	18 21 31	5°22'24	26°3	19°33	13°17	16°28	5°26	20°16	10°53	29°17	22°20	17°19	16°29	20°0	10°4	F 18
S 19	18 25 28	6°19'34	10°8'28	19°14	14°31	16°58	5°20	20°12	10°55	29°18	22°19	17°17	16°26	20°7	10°9	S 19
S 20	18 29 24	7°16'44	24°50	18°51	15°45	17°27	5°14	20°8	10°57	29°19	22°18	17°16	16°23	20°14	10°13	S 20
M21	18 33 21	8°13'55	9°V 4	18°24	16°59	17°56	5°8	20°4	10°59	29°20	22°17	17°D16	16°20	20°20	10°18	M21
T 22	18 37 18	9°11'06	23°9	17°54	18°12	18°25	5°2	20°0	11°1	29°22	22°16	17°16	16°16	20°27	10°23	T 22
W23	18 41 14	10°8'17	7°8'4	17°21	19°26	18°53	4°55	19°56	11°4	29°23	22°15	17°17	16°13	20°34	10°28	W23
T 24	18 45 11	11°5'29	20°46	16°45	20°40	19°21	4°49	19°52	11°6	29°24	22°15	17°19	16°10	20°41	10°32	T 24
F 25	18 49 7	12°2'42	4°II16	16°8	21°53	19°49	4°43	19°48	11°8	29°25	22°14	17°20	16°7	20°47	10°37	F 25
S 26	18 53 4	12°59'55	17°34	15°30	23°7	20°16	4°36	19°44	11°11	29°25	22°13	17°R21	16°4	20°54	10°41	S 26
S 27	18 57 0	13°57'08	0°8'39	14°51	24°21	20°42	4°29	19°40	11°13	29°26	22°12	17°20	16°1	21°1	10°46	S 27
M28	19 0 57	14°54'22	13°31	14°12	25°35	21°9	4°22	19°36	11°15	29°27	22°11	17°18	15°57	21°7	10°51	M28
T 29	19 4 53	15°51'36	26°10	13°34	26°48	21°35	4°15	19°33	11°18	29°28	22°10	17°15	15°54	21°14	10°55	T 29
W30	19 8 50	16°8'48'50	8°8'36	12°8'57	28°8'2	22°8'0	4°8'8	19°8'29	11°M20	29°8'29	22°8'9	17°8'10	15°8'51	21°M21	11°II 0	W30

Delta T = 187.68 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1546  
geocentric

JULY 1546 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	19 12 47	17°46'05	20°51	12°R22	29°516	22°25	4°R 1	19°R25	11°23	29°V30	22°R 8	17°R 5	15°48	21°28	11°II 4	T 1
F 2	19 16 43	18°43'19	2°56	11°50	0°30	22°50	3°54	19°22	11°26	29°30	22°7	17°0	15°45	21°34	11°8	F 2
S 3	19 20 40	19°40'35	14°53	11°22	1°43	23°14	3°47	19°18	11°28	29°31	22°6	16°55	15°41	21°41	11°13	S 3
S 4	19 24 36	20°37'50	26°46	10°57	2°57	23°38	3°39	19°15	11°31	29°32	22°5	16°51	15°38	21°48	11°17	S 4
M 5	19 28 33	21°35'05	8°39	10°37	4°11	24°1	3°32	19°11	11°34	29°32	22°4	16°49	15°35	21°55	11°21	M 5
T 6	19 32 29	22°32'21	20°35	10°21	5°25	24°24	3°24	19°8	11°36	29°33	22°2	16°D48	15°32	22°1	11°26	T 6
W 7	19 36 26	23°29'38	2°40	10°10	6°38	24°46	3°17	19°5	11°39	29°34	22°1	16°48	15°29	22°8	11°30	W 7
T 8	19 40 22	24°26'54	14°58	10°D 5	7°52	25°8	3°9	19°2	11°42	29°34	22°0	16°50	15°26	22°15	11°34	T 8
F 9	19 44 19	25°24'11	27°34	10°6	9°6	25°29	3°2	18°59	11°45	29°35	21°59	16°51	15°22	22°21	11°38	F 9
S 10	19 48 16	26°21'29	10°32	10°12	10°20	25°50	2°54	18°56	11°48	29°35	21°58	16°R52	15°19	22°28	11°42	S 10
S 11	19 52 12	27°18'47	23°55	10°24	11°33	26°10	2°46	18°53	11°51	29°36	21°57	16°52	15°16	22°35	11°46	S 11
M12	19 56 9	28°16'06	7°43	10°43	12°47	26°29	2°39	18°50	11°54	29°36	21°56	16°51	15°13	22°42	11°51	M12
T 13	20 0 5	29°13'25	21°55	11°7	14°1	26°48	2°31	18°47	11°57	29°36	21°54	16°47	15°10	22°48	11°54	T 13
W14	20 4 2	0°10'45	6°26	11°38	15°14	27°7	2°23	18°44	12°0	29°37	21°53	16°42	15°7	22°55	11°58	W14
T 15	20 7 58	1°8'06	21°11	12°14	16°28	27°25	2°15	18°41	12°3	29°37	21°52	16°35	15°3	23°2	12°2	T 15
F 16	20 11 55	2°5'28	6°2	12°57	17°42	27°42	2°8	18°39	12°6	29°37	21°51	16°29	15°0	23°8	12°6	F 16
S 17	20 15 51	3°2'51	20°50	13°46	18°56	27°58	2°0	18°36	12°9	29°38	21°50	16°23	14°57	23°15	12°10	S 17
S 18	20 19 48	4°0'15	5°V28	14°41	20°9	28°14	1°52	18°34	12°12	29°38	21°48	16°18	14°54	23°22	12°14	S 18
M19	20 23 45	4°57'40	19°51	15°42	21°23	28°30	1°44	18°31	12°15	29°38	21°47	16°15	14°51	23°29	12°17	M19
T 20	20 27 41	5°55'07	3°56	16°48	22°37	28°44	1°36	18°29	12°18	29°38	21°46	16°D14	14°47	23°35	12°21	T 20
W21	20 31 38	6°52'35	17°42	18°0	23°50	28°58	1°29	18°27	12°21	29°38	21°45	16°14	14°44	23°42	12°25	W21
T 22	20 35 34	7°50'04	1°11	19°18	25°4	29°11	1°21	18°25	12°25	29°38	21°43	16°15	14°41	23°49	12°28	T 22
F 23	20 39 31	8°47'35	14°22	20°40	26°18	29°24	1°13	18°23	12°28	29°38	21°42	16°R16	14°38	23°56	12°32	F 23
S 24	20 43 27	9°45'07	27°19	22°8	27°31	29°36	1°6	18°21	12°31	29°R39	21°41	16°16	14°35	24°2	12°35	S 24
S 25	20 47 24	10°42'40	10°5	23°40	28°45	29°47	0°58	18°19	12°35	29°39	21°40	16°13	14°32	24°9	12°39	S 25
M26	20 51 21	11°40'15	22°37	25°16	29°59	29°57	0°50	18°17	12°38	29°38	21°38	16°8	14°28	24°16	12°42	M26
T 27	20 55 17	12°37'50	5°1	26°57	1°12	0°V 6	0°43	18°16	12°41	29°38	21°37	16°0	14°25	24°22	12°45	T 27
W28	20 59 14	13°35'27	17°15	28°41	2°26	0°15	0°36	18°14	12°45	29°38	21°36	15°51	14°22	24°29	12°48	W28
T 29	21 3 10	14°33'06	29°22	0°29	3°40	0°23	0°28	18°12	12°48	29°38	21°35	15°40	14°19	24°36	12°52	T 29
F 30	21 7 7	15°30'45	11°21	2°20	4°53	0°30	0°21	18°11	12°52	29°38	21°33	15°29	14°16	24°43	12°55	F 30
S 31	21 11 3	16°28'26	23°15	4°13	6°7	0°V36	0°14	18°10	12°55	29°V38	21°32	15°18	14°13	24°49	12°58	S 31

Delta T = 187.50 sec Julian Calendar 1 July 1546 == Greg. Calendar 11 July 1546

AUGUST 1546 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	21 15 0	17°26'07	5°6	6°8	7°21	0°V42	0°R 6	18°R 9	12°59	29°R38	21°R31	15°R 9	14°9	24°56	13°II 1	S 1
M 2	21 18 56	18°23'50	16°57	8°6	8°34	0°47	29°52	18°7	13°2	29°V37	21°28	15°3	14°6	25°3	13°4	M 2
T 3	21 22 53	19°21'34	28°52	10°4	9°48	0°51	29°52	18°6	13°6	29°37	21°28	14°58	14°3	25°9	13°7	T 3
W 4	21 26 49	20°19'19	10°54	12°3	11°2	0°54	29°46	18°5	13°9	29°37	21°27	14°56	14°0	25°16	13°9	W 4
T 5	21 30 46	21°17'06	23°9	14°4	12°15	0°56	29°39	18°5	13°13	29°36	21°25	14°D56	13°57	25°23	13°12	T 5
F 6	21 34 43	22°14'53	5°41	16°4	13°29	0°57	29°32	18°4	13°16	29°36	21°24	14°56	13°53	25°30	13°15	F 6
S 7	21 38 39	23°12'42	18°36	18°5	14°43	0°R58	29°26	18°3	13°20	29°35	21°23	14°R56	13°50	25°36	13°18	S 7
S 8	21 42 36	24°10'32	1°58	20°5	15°56	0°58	29°19	18°3	13°23	29°35	21°21	14°55	13°47	25°43	13°20	S 8
M 9	21 46 32	25°8'23	15°49	22°5	17°10	0°56	29°13	18°2	13°27	29°35	21°20	14°52	13°44	25°50	13°23	M 9
T 10	21 50 29	26°6'16	0°8	24°4	18°23	0°54	29°7	18°2	13°31	29°34	21°19	14°46	13°41	25°57	13°25	T 10
W11	21 54 25	27°4'10	14°53	26°3	19°37	0°52	29°1	18°1	13°34	29°33	21°18	14°38	13°38	26°3	13°27	W11
T 12	21 58 22	28°2'05	29°56	28°1	20°50	0°48	28°55	18°1	13°38	29°33	21°16	14°28	13°34	26°10	13°30	T 12
F 13	22 2 18	29°0'02	15°8	29°58	22°4	0°44	28°49	18°D 1	13°42	29°32	21°15	14°18	13°31	26°17	13°32	F 13
S 14	22 6 15	29°58'01	0°V17	1°53	23°17	0°38	28°43	18°1	13°45	29°32	21°14	14°8	13°28	26°23	13°34	S 14
S 15	22 10 12	0°56'01	15°15	3°48	24°31	0°32	28°38	18°1	13°49	29°31	21°12	14°0	13°25	26°30	13°36	S 15
M16	22 14 8	1°54'04	29°53	5°42	25°44	0°25	28°32	18°2	13°53	29°30	21°11	13°54	13°22	26°37	13°38	M16
T 17	22 18 5	2°52'08	14°8	7°34	26°58	0°18	28°27	18°2	13°57	29°29	21°10	13°51	13°19	26°44	13°40	T 17
W18	22 22 1	3°50'14	27°56	9°26	28°11	0°9	28°22	18°2	14°0	29°29	21°9	13°50	13°15	26°50	13°42	W18
T 19	22 25 58	4°48'23	11°20	11°16	29°25	29°59	28°17	18°3	14°4	29°28	21°7	13°50	13°12	26°57	13°44	T 19
F 20	22 29 54	5°46'33	24°24	13°5	0°38	29°50	28°13	18°3	14°8	29°27	21°6	13°50	13°9	27°4	13°46	F 20
S 21	22 33 51	6°44'46	7°9	14°52	1°52	29°39	28°8	18°4	14°11	29°26	21°5	13°48	13°6	27°10	13°48	S 21
S 22	22 37 47	7°43'01	19°40	16°39	3°5	29°28	28°4	18°5	14°15	29°25	21°4	13°44	13°3	27°17	13°49	S 22
M23	22 41 44	8°41'17	1°59	18°24	4°19	29°15	27°59	18°6	14°19	29°24	21°2	13°38	12°59	27°24	13°51	M23
T 24	22 45 41	9°39'35	14°10	20°8	5°32	29°3	27°55	18°7	14°23	29°24	21°1	13°28	12°56	27°31	13°52	T 24
W25	22 49 37	10°37'56	26°14	21°51	6°45	28°49	27°51	18°8	14°27	29°23	21°0	13°15	12°53	27°37	13°54	W25
T 26	22 53 34	11°36'18	8°13	23°33	7°59	28°35	27°48	18°9	14°30	29°22	20°59	13°2	12°50	27°44	13°55	T 26
F 27	22 57 30	12°34'42	20°7	25°14	9°12	28°21	27°44	18°10	14°34	29°21	20°57	12°47	12°47	27°51	13°56	F 27
S 28	23 1 27	13°33'08	1°59	26°54	10°25	28°6	27°41	18°12	14°38	29°20	20°56	12°33	12°44	27°57	13°58	S 28
S 29	23 5 23	14°31'35	13°49	28°32	11°39	27°50	27°38	18°13	14°42	29°18	20°55	12°21	12°40	28°4	13°59	S 29
M30	23 9 20	15°30'05	25°41	0°10	12°52	27°34	27°35	18°15	14°45	29°17	20°54	12°12	12°37	28°11	14°0	M30
T 31	23 13 16	16°28'36	7°13	1°46	14°5	27°18	27°32	18°16	14°49	29°V16	20°53	12°1	12°34	28°18	14°II 1	T 31

Delta T = 187.32 sec Julian Calendar

ASTRODIENST EPHEMERIS for the year 1546  
geocentric

SEPTEMBER 1546 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	23 17 13	17 <sup>h</sup> 27'09"	19 <sup>m</sup> 38'	3 <sup>h</sup> 22'	15 <sup>h</sup> 19'	27°R 1	27°R29	18 <sup>h</sup> 18'	14 <sup>m</sup> 53'	29°R15	20°R52	12°R 2	12 <sup>h</sup> 31'	28 <sup>m</sup> 24'	14 <sup>h</sup> 11'	W 1
T 2	23 21 10	18°25'44"	1 <sup>h</sup> 51'	4°56'	16°32'	26 <sup>h</sup> 44'	27 <sup>h</sup> 27'	18°20'	14°57'	29 <sup>h</sup> 14'	20 <sup>h</sup> 50'	12 <sup>h</sup> 0'	12°28'	28°31'	14° 2	T 2
F 3	23 25 6	19°24'20"	14°21'	6°29'	17°45'	26°27'	27°24'	18°22'	15° 0'	29°13'	20°49'	12° 0'	12°24'	28°38'	14° 3	F 3
S 4	23 29 3	20°22'58"	27°11'	8° 2'	18°59'	26°10'	27°22'	18°24'	15° 4'	29°12'	20°48'	12° 0'	12°21'	28°45'	14° 4	S 4
S 5	23 32 59	21°21'38"	10 <sup>h</sup> 32'	9°33'	20°12'	25°52'	27°21'	18°26'	15° 8'	29°10'	20°47'	11°59'	12°18'	28°51'	14° 4	S 5
M 6	23 36 56	22°20'20"	24°10'	11° 3'	21°25'	25°35'	27°19'	18°28'	15°12'	29° 9'	20°46'	11°56'	12°15'	28°58'	14° 5	M 6
T 7	23 40 52	23°19'03"	8 <sup>h</sup> 25'	12°32'	22°38'	25°17'	27°17'	18°30'	15°16'	29° 8'	20°45'	11°50'	12°12'	29° 5'	14° 5	T 7
W 8	23 44 49	24°17'48"	23° 7'	14° 0'	23°51'	25° 0'	27°16'	18°33'	15°19'	29° 6'	20°44'	11°42'	12° 9'	29°11'	14° 6	W 8
T 9	23 48 45	25°16'35"	8 <sup>h</sup> 12'	15°28'	25° 4'	24°42'	27°15'	18°35'	15°23'	29° 5'	20°43'	11°32'	12° 5'	29°18'	14° 6	T 9
F 10	23 52 42	26°15'23"	23°30'	16°54'	26°18'	24°25'	27°14'	18°38'	15°27'	29° 4'	20°42'	11°21'	12° 2'	29°25'	14° 6	F 10
S 11	23 56 38	27°14'14"	8 <sup>h</sup> 51'	18°19'	27°31'	24° 8'	27°14'	18°41'	15°30'	29° 2'	20°41'	11°11'	11°59'	29°32'	14° 6	S 11
S 12	0 0 35	28°13'06"	24° 2'	19°43'	28°44'	23°51'	27°13'	18°43'	15°34'	29° 1'	20°40'	11° 3'	11°56'	29°38'	14°R 7	S 12
M13	0 4 32	29°12'01"	8 <sup>h</sup> 55'	21° 6'	29°57'	23°34'	27°13'	18°46'	15°38'	29° 0'	20°39'	10°57'	11°53'	29°45'	14° 7	M13
T 14	0 8 28	0 <sup>h</sup> 10'59"	23°21'	22°27'	1 <sup>m</sup> 10'	23°17'	27°D13	18°49'	15°42'	28°58'	20°38'	10°54'	11°50'	29°52'	14° 6	T 14
W15	0 12 25	1° 9'58"	7 <sup>h</sup> 12'	23°48'	2°23'	23° 1'	27°13'	18°52'	15°45'	28°57'	20°37'	10°D52	11°46'	29°58'	14° 6	W15
T 16	0 16 21	2° 9'00"	20°50'	25° 7'	3°36'	22°45'	27°13'	18°55'	15°49'	28°55'	20°36'	10°53'	11°43'	0 <sup>h</sup> 5	14° 6	T 16
F 17	0 20 18	3° 8'05"	3 <sup>h</sup> 55'	26°26'	4°49'	22°30'	27°14'	18°58'	15°53'	28°54'	20°35'	10°R53	11°40'	0°12'	14° 6	F 17
S 18	0 24 14	4° 7'11"	16°38'	27°42'	6° 2'	22°15'	27°14'	19° 2'	15°56'	28°52'	20°34'	10°52'	11°37'	0°19'	14° 5	S 18
S 19	0 28 11	5° 6'20"	29° 3'	28°58'	7°15'	22° 0'	27°15'	19° 5'	16° 0'	28°51'	20°33'	10°49'	11°34'	0°25'	14° 5	S 19
M20	0 32 7	6° 5'31"	11 <sup>h</sup> 11'	0 <sup>m</sup> 11'	8°28'	21°46'	27°16'	19° 9'	16° 3'	28°49'	20°33'	10°44'	11°30'	0°32'	14° 4	M20
T 21	0 36 4	7° 4'45"	23°19'	1°24'	9°40'	21°33'	27°18'	19°12'	16° 7'	28°48'	20°32'	10°36'	11°27'	0°39'	14° 4	T 21
W22	0 40 1	8° 4'00"	5 <sup>h</sup> 16'	2°34'	10°53'	21°20'	27°19'	19°16'	16°11'	28°46'	20°31'	10°26'	11°24'	0°45'	14° 3	W22
T 23	0 43 57	9° 3'18"	17° 9'	3°43'	12° 6'	21° 8'	27°21'	19°19'	16°14'	28°45'	20°30'	10°15'	11°21'	0°52'	14° 2	T 23
F 24	0 47 54	10° 2'38"	29° 1'	4°50'	13°19'	20°56'	27°23'	19°23'	16°18'	28°43'	20°29'	10° 3'	11°18'	0°59'	14° 1	F 24
S 25	0 51 50	11° 2'00"	10 <sup>h</sup> 53'	5°54'	14°32'	20°45'	27°25'	19°27'	16°21'	28°42'	20°29'	9°51'	11°15'	1° 6'	14° 0	S 25
S 26	0 55 47	12° 1'25"	22°46'	6°57'	15°45'	20°35'	27°27'	19°31'	16°25'	28°40'	20°28'	9°41'	11°11'	1°12'	13°59	S 26
M27	0 59 43	13° 0'51"	4 <sup>h</sup> 42'	7°56'	16°57'	20°26'	27°29'	19°35'	16°28'	28°38'	20°27'	9°33'	11° 8'	1°19'	13°58	M27
T 28	1 3 40	14° 0'19"	16°43'	8°53'	18°10'	20°17'	27°32'	19°39'	16°32'	28°37'	20°27'	9°28'	11° 5'	1°26'	13°57	T 28
W29	1 7 36	14°59'49"	28°51'	9°47'	19°23'	20° 9'	27°35'	19°43'	16°35'	28°35'	20°26'	9°25'	11° 2'	1°32'	13°56	W29
T 30	1 11 33	15°59'22"	11 <sup>h</sup> 9'	10 <sup>m</sup> 38'	20 <sup>m</sup> 36'	20 <sup>h</sup> 2	27 <sup>h</sup> 38'	19 <sup>h</sup> 47'	16 <sup>m</sup> 39'	28 <sup>h</sup> 34'	20 <sup>h</sup> 25'	9°D25	10 <sup>h</sup> 59'	1 <sup>h</sup> 39'	13 <sup>h</sup> 55	T 30

Delta T = 187.13 sec

Julian Calendar 1 Sept. 1546 == Greg. Calendar 11 Sept. 1546

OCTOBER 1546 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	1 15 30	16 <sup>h</sup> 58'56"	23 <sup>h</sup> 42'	11 <sup>h</sup> 25'	21 <sup>h</sup> 48'	19°R55	27 <sup>h</sup> 31'	19 <sup>h</sup> 52'	16 <sup>m</sup> 42'	28°R32	20°R25	9 <sup>h</sup> 25'	10 <sup>h</sup> 56'	1 <sup>h</sup> 46'	13°R53	F 1
S 2	1 19 26	17°58'31"	6 <sup>h</sup> 31'	12° 8'	23° 1'	19 <sup>h</sup> 50'	27°45'	19°56'	16°45'	28 <sup>h</sup> 30'	20 <sup>h</sup> 24'	9°27'	10°52'	1°53'	13 <sup>h</sup> 52	S 2
S 3	1 23 23	18°58'09"	19°42'	12°46'	24°14'	19°45'	27°48'	20° 1'	16°49'	28°29'	20°24'	9°R27	10°49'	1°59'	13°50	S 3
M 4	1 27 19	19°57'48"	3 <sup>h</sup> 18'	13°20'	25°26'	19°41'	27°52'	20° 5'	16°52'	28°27'	20°23'	9°26'	10°46'	2° 6'	13°49	M 4
T 5	1 31 16	20°57'29"	17°20'	13°48'	26°39'	19°38'	27°56'	20°10'	16°55'	28°25'	20°22'	9°23'	10°43'	2°13'	13°47	T 5
W 6	1 35 12	21°57'11"	1 <sup>h</sup> 48'	14°10'	27°51'	19°35'	28° 0'	20°15'	16°59'	28°24'	20°22'	9°19'	10°40'	2°19'	13°45	W 6
T 7	1 39 9	22°56'56"	16°39'	14°26'	29° 4'	19°34'	28° 4'	20°19'	17° 2'	28°22'	20°21'	9°12'	10°36'	2°26'	13°43	T 7
F 8	1 43 5	23°56'42"	1 <sup>h</sup> 46'	14°34'	0 <sup>h</sup> 16'	19°D33	28° 9'	20°24'	17° 5'	28°20'	20°21'	9° 5'	10°33'	2°33'	13°42	F 8
S 9	1 47 2	24°56'30"	16°59'	14°R35	1°28'	19°33'	28°14'	20°29'	17° 8'	28°19'	20°21'	8°58'	10°30'	2°40'	13°40	S 9
S 10	1 50 59	25°56'20"	2 <sup>h</sup> 9'	14°28'	2°41'	19°34'	28°18'	20°34'	17°12'	28°17'	20°20'	8°53'	10°27'	2°46'	13°38	S 10
M11	1 54 55	26°56'12"	17° 5'	14°12'	3°53'	19°35'	28°23'	20°39'	17°15'	28°15'	20°20'	8°49'	10°24'	2°53'	13°36	M11
T 12	1 58 52	27°56'06"	1 <sup>h</sup> 39'	13°47'	5° 5'	19°38'	28°29'	20°44'	17°18'	28°14'	20°19'	8°47'	10°21'	3° 0'	13°33	T 12
W13	2 2 48	28°56'02"	15°46'	13°12'	6°18'	19°41'	28°34'	20°49'	17°21'	28°12'	20°19'	8°D47	10°17'	3° 6'	13°31	W13
T 14	2 6 45	29°56'00"	29°26'	12°29'	7°30'	19°45'	28°40'	20°54'	17°24'	28°10'	20°19'	8°48'	10°14'	3°13'	13°29	T 14
F 15	2 10 41	0 <sup>m</sup> 56'01"	12 <sup>h</sup> 38'	11°36'	8°42'	19°49'	28°45'	21° 0'	17°27'	28° 9'	20°19'	8°50'	10°11'	3°20'	13°27	F 15
S 16	2 14 38	1°56'04"	25°26'	10°36'	9°54'	19°55'	28°51'	21° 5'	17°30'	28° 7'	20°18'	8°51'	10° 8'	3°27'	13°24	S 16
S 17	2 18 34	2°56'09"	7 <sup>h</sup> 54'	9°28'	11° 6'	20° 1'	28°57'	21°11'	17°33'	28° 5'	20°18'	8°R51	10° 5'	3°33'	13°22	S 17
M18	2 22 31	3°56'16"	20° 6'	8°14'	12°18'	20° 8'	29° 4'	21°16'	17°36'	28° 3'	20°18'	8°50'	10° 1'	3°40'	13°19	M18
T 19	2 26 28	4°56'25"	2 <sup>h</sup> 7'	6°57'	13°30'	20°15'	29°10'	21°21'	17°39'	28° 2'	20°18'	8°47'	9°58'	3°47'	13°17	T 19
W20	2 30 24	5°56'36"	14° 1'	5°38'	14°42'	20°24'	29°16'	21°27'	17°41'	28° 0'	20°18'	8°42'	9°55'	3°53'	13°14	W20
T 21	2 34 21	6°56'49"	25°53'	4°21'	15°54'	20°33'	29°23'	21°33'	17°44'	27°58'	20°17'	8°37'	9°52'	4° 0'	13°11	T 21
F 22	2 38 17	7°57'04"	7 <sup>h</sup> 44'	3° 6'	17° 6'	20°42'	29°30'	21°38'	17°47'	27°57'	20°17'	8°31'	9°49'	4° 7'	13° 9	F 22
S 23	2 42 14	8°57'21"	19°38'	1°58'	18°18'	20°53'	29°37'	21°44'	17°50'	27°55'	20°17'	8°25'	9°46'	4°13'	13° 6	S 23
S 24	2 46 10	9°57'40"	1 <sup>m</sup> 36'	0°58'	19°30'	21° 4'	29°44'	21°50'	17°52'	27°53'	20°17'	8°21'	9°42'	4°20'	13° 3	S 24
M25	2 50 7	10°58'01"	13°41'	0° 8'	20°42'	21°16'	29°52'	21°56'	17°55'	27°52'	20°D17	8°17'	9°39'	4°27'	13° 0	M25
T 26	2 54 3	11°58'23"	25°53'	29 <sup>h</sup> 28'	21°53'	21°28'	29°59'	22° 2'	17°58'	27°50'	20°17'	8°15'	9°36'	4°34'	12°57	T 26
W27	2 58 0	12°58'48"	8 <sup>h</sup> 15'	28°59'	23° 5'	21°41'	0 <sup>h</sup> 7'	22° 8'	18° 0'	27°49'	20°17'	8°D14	9°33'	4°40'	12°54	W27
T 28	3 1 56	13°59'13"	20°48'	28°43'	24°17'	21°55'	0°15'	22°14'	18° 3'	27°47'	20°17'	8°15'	9°30'	4°47'	12°51	T 28
F 29	3 5 53	14°59'41"	3 <sup>h</sup> 32'	28°D38	25°28'	22° 9'	0°23'	22°20'	18° 5'	27°45'	20°17'	8°16'	9°27'	4°54'	12°48	F 29
S 30	3 9 50	16° 0'09"	16°32'	28°44'	26°40'	22°24'	0°31'	22°26'	18° 8'	27°44'	20°18'	8°18'	9°23'	5° 0'	12°45	S 30
S 31	3 13 46	17 <sup>m</sup> 0'39"	29 <sup>h</sup> 34'	29 <sup>h</sup> 1	27 <sup>h</sup> 51'	22 <sup>h</sup> 39'	0 <sup>h</sup> 39'	22 <sup>h</sup> 32'	18 <sup>m</sup> 10'	27 <sup>h</sup> 42'	20 <sup>h</sup> 18'	8 <sup>h</sup> 19'	9 <sup>h</sup> 20'	5 <sup>h</sup> 7	12 <sup>h</sup> 42	S 31

Delta T = 186.95 sec

Julian Calendar

# ASTRODIENST EPHEMERIS for the year 1546

## geocentric

NOVEMBER 1546 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	3 17 43	18♌ 1'11	13♏21	29♏27	29♏2	22♏55	0♏47	22♏38	18♏12	27♏41	20♏18	8♏20	9♏17	5♏14	12♏38	M 1
T 2	3 21 39	19° 1'43	27°14	0♌2	0♌14	23°12	0°56	22°44	18°15	27°39	20°18	8♏20	9°14	5°21	12♏35	T 2
W 3	3 25 36	20° 2'17	11♏27	0°44	1°25	23°29	1° 4	22°51	18°17	27°38	20°18	8°19	9°11	5°27	12°32	W 3
T 4	3 29 32	21° 2'52	25°56	1°34	2°36	23°47	1°13	22°57	18°19	27°36	20°19	8°17	9° 7	5°34	12°29	T 4
F 5	3 33 29	22° 3'28	10♏39	2°30	3°47	24° 5	1°22	23° 3	18°21	27°35	20°19	8°15	9° 4	5°41	12°25	F 5
S 6	3 37 25	23° 4'06	25°29	3°31	4°58	24°23	1°31	23°10	18°23	27°33	20°19	8°13	9° 1	5°47	12°22	S 6
S 7	3 41 22	24° 4'44	10♏19	4°37	6° 9	24°43	1°40	23°16	18°25	27°32	20°19	8°11	8°58	5°54	12°18	S 7
M 8	3 45 19	25° 5'25	25° 2	5°47	7°20	25° 2	1°50	23°23	18°27	27°30	20°20	8°10	8°55	6° 1	12°15	M 8
T 9	3 49 15	26° 6'06	9♏29	7° 1	8°31	25°22	1°59	23°29	18°29	27°29	20°20	8°10	8°52	6° 8	12°11	T 9
W10	3 53 12	27° 6'49	23°36	8°17	9°41	25°43	2° 9	23°36	18°31	27°27	20°21	8°10	8°48	6°14	12° 8	W10
T 11	3 57 8	28° 7'34	7♏19	9°36	10°52	26° 4	2°19	23°42	18°33	27°26	20°21	8°11	8°45	6°21	12° 4	T 11
F 12	4 1 5	29° 8'20	20°37	10°58	12° 2	26°25	2°28	23°49	18°35	27°24	20°21	8°12	8°42	6°28	12° 1	F 12
S 13	4 5 1	0♏9'07	3♏32	12°20	13°13	26°47	2°38	23°55	18°37	27°23	20°22	8°13	8°39	6°34	11°57	S 13
S 14	4 8 58	1° 9'56	16° 5	13°45	14°23	27° 9	2°48	24° 2	18°39	27°22	20°22	8°13	8°36	6°41	11°53	S 14
M15	4 12 55	2°10'46	28°21	15°11	15°33	27°32	2°59	24° 9	18°40	27°20	20°23	8°14	8°33	6°48	11°50	M15
T 16	4 16 51	3°11'38	10♏24	16°38	16°43	27°55	3° 9	24°16	18°42	27°19	20°24	8°14	8°29	6°54	11°46	T 16
W17	4 20 48	4°12'31	22°18	18° 6	17°53	28°19	3°19	24°22	18°44	27°18	20°24	8°13	8°26	7° 1	11°42	W17
T 18	4 24 44	5°13'26	4♏9	19°34	19° 3	28°42	3°30	24°29	18°45	27°17	20°25	8°13	8°23	7° 8	11°39	T 18
F 19	4 28 41	6°14'22	16° 1	21° 4	20°13	29° 7	3°40	24°36	18°47	27°15	20°25	8°13	8°20	7°15	11°35	F 19
S 20	4 32 37	7°15'19	27°57	22°34	21°23	29°31	3°51	24°43	18°48	27°14	20°26	8°13	8°17	7°21	11°31	S 20
S 21	4 36 34	8°16'17	10♏1	24° 4	22°32	29°56	4° 2	24°50	18°49	27°13	20°27	8°13	8°13	7°28	11°27	S 21
M22	4 40 30	9°17'17	22°16	25°35	23°41	0♏21	4°13	24°56	18°51	27°12	20°27	8°13	8°10	7°35	11°24	M22
T 23	4 44 27	10°18'17	4♏42	27° 6	24°51	0°47	4°24	25° 3	18°52	27°11	20°28	8°13	8° 7	7°41	11°20	T 23
W24	4 48 24	11°19'19	17°22	28°37	26° 0	1°13	4°35	25°10	18°53	27°10	20°29	8°13	8° 4	7°48	11°16	W24
T 25	4 52 20	12°20'21	0♏16	0♏9	27° 9	1°39	4°46	25°17	18°54	27° 8	20°30	8°12	8° 1	7°55	11°12	T 25
F 26	4 56 17	13°21'24	13°23	1°41	28°18	2° 6	4°58	25°24	18°55	27° 7	20°31	8°12	7°58	8° 2	11° 9	F 26
S 27	5 0 13	14°22'28	26°44	3°13	29°27	2°32	5° 9	25°31	18°56	27° 6	20°31	8°11	7°54	8° 8	11° 5	S 27
S 28	5 4 10	15°23'32	10♏17	4°45	0♏35	3° 0	5°21	25°38	18°57	27° 5	20°32	8°10	7°51	8°15	11° 1	S 28
M29	5 8 6	16°24'37	24° 2	6°18	1°44	3°27	5°32	25°45	18°58	27° 4	20°33	8°10	7°48	8°22	10°58	M29
T 30	5 12 3	17°25'42	7♏58	7♏50	2♏52	3°55	5°44	25°52	18°59	27° 3	20°34	8♏9	7♏45	8♏28	10♏54	T 30

Delta T = 186.76 sec

Julian Calendar 1 Nov. 1546 == Greg. Calendar 11 Nov. 1546

DECEMBER 1546 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	5 15 59	18♏26'48	22♏3	9♏23	4♏0	4♏23	5♏56	25♏59	19♏0	27♏3	20♏35	8♏9	7♏42	8♏35	10♏50	W 1
T 2	5 19 56	19°27'53	6♏17	10°56	5° 8	4°51	6° 8	26° 6	19° 1	27° 2	20°36	8♏9	7°39	8°42	10♏46	T 2
F 3	5 23 53	20°29'00	20°35	12°29	6°16	5°19	6°20	26°13	19° 2	27° 1	20°37	8°10	7°35	8°48	10°43	F 3
S 4	5 27 49	21°30'06	4♏57	14° 2	7°23	5°48	6°32	26°20	19° 2	27° 0	20°38	8°11	7°32	8°55	10°39	S 4
S 5	5 31 46	22°31'13	19°18	15°36	8°30	6°17	6°44	26°27	19° 3	26°59	20°39	8°12	7°29	9° 2	10°35	S 5
M 6	5 35 42	23°32'20	3♏33	17° 9	9°38	6°46	6°56	26°34	19° 3	26°58	20°40	8°13	7°26	9° 9	10°32	M 6
T 7	5 39 39	24°33'27	17°39	18°43	10°45	7°16	7° 9	26°41	19° 4	26°58	20°41	8°13	7°23	9°15	10°28	T 7
W 8	5 43 35	25°34'35	1♏31	20°17	11°51	7°46	7°21	26°48	19° 4	26°57	20°42	8°12	7°19	9°22	10°25	W 8
T 9	5 47 32	26°35'43	15° 5	21°51	12°58	8°15	7°34	26°55	19° 5	26°56	20°43	8°10	7°16	9°29	10°21	T 9
F 10	5 51 28	27°36'52	28°20	23°25	14° 4	8°45	7°46	27° 2	19° 5	26°56	20°44	8° 7	7°13	9°35	10°17	F 10
S 11	5 55 25	28°38'01	11♏15	25° 0	15°10	9°16	7°59	27° 9	19° 5	26°55	20°46	8° 4	7°10	9°42	10°14	S 11
S 12	5 59 22	29°39'10	23°51	26°35	16°16	9°46	8°11	27°16	19° 5	26°54	20°47	8° 0	7° 7	9°49	10°10	S 12
M13	6 3 18	0♏40'20	6♏10	28°10	17°21	10°17	8°24	27°24	19° 6	26°54	20°48	7°58	7° 4	9°55	10° 7	M13
T 14	6 7 15	1°41'30	18°15	29°46	18°26	10°48	8°37	27°31	19° 6	26°53	20°49	7°56	7° 0	10° 2	10° 4	T 14
W15	6 11 11	2°42'41	0♏11	1♏21	19°31	11°19	8°50	27°38	19° 6	26°53	20°50	7°55	6°57	10° 9	10° 0	W15
T 16	6 15 8	3°43'51	12° 2	2°58	20°36	11°50	9° 3	27°45	19° 6	26°52	20°52	7°55	6°54	10°16	9°57	T 16
F 17	6 19 4	4°45'03	23°54	4°34	21°41	12°21	9°16	27°52	19° 6	26°52	20°53	7°56	6°51	10°22	9°54	F 17
S 18	6 23 1	5°46'14	5♏51	6°11	22°45	12°53	9°29	27°59	19° 5	26°52	20°54	7°58	6°48	10°29	9°50	S 18
S 19	6 26 57	6°47'26	17°57	7°48	23°48	13°25	9°42	28° 6	19° 5	26°51	20°55	8° 0	6°45	10°36	9°47	S 19
M20	6 30 54	7°48'38	0♏18	9°25	24°52	13°57	9°55	28°13	19° 5	26°51	20°57	8° 1	6°41	10°42	9°44	M20
T 21	6 34 51	8°49'50	12°55	11° 3	25°55	14°29	10° 9	28°20	19° 5	26°51	20°58	8° 1	6°38	10°49	9°41	T 21
W22	6 38 47	9°51'02	25°52	12°42	26°58	15° 1	10°22	28°27	19° 4	26°50	20°59	8° 0	6°35	10°56	9°38	W22
T 23	6 42 44	10°52'14	9♏7	14°20	28° 0	15°33	10°35	28°34	19° 4	26°50	21° 1	7°57	6°32	11° 3	9°35	T 23
F 24	6 46 40	11°53'26	22°41	15°59	29° 2	16° 6	10°49	28°41	19° 3	26°50	21° 2	7°52	6°29	11° 9	9°32	F 24
S 25	6 50 37	12°54'38	6♏30	17°39	0♏4	16°38	11° 2	28°48	19° 3	26°50	21° 4	7°47	6°25	11°16	9°29	S 25
S 26	6 54 33	13°55'49	20°31	19°19	1° 6	17°11	11°16	28°54	19° 2	26°50	21° 5	7°41	6°22	11°23	9°26	S 26
M27	6 58 30	14°56'59	4♏40	20°59	2° 6	17°44	11°29	29° 1	19° 2	26°50	21° 6	7°35	6°19	11°29	9°23	M27
T 28	7 2 26	15°58'09	18°53	22°39	3° 7	18°17	11°43	29° 8	19° 1	26°50	21° 8	7°31	6°16	11°36	9°20	T 28
W29	7 6 23	16°59'18	3♏6	24°20	4° 7	18°50	11°57	29°15	19° 0	26°50	21° 9	7°28	6°13	11°43	9°17	W29
T 30	7 10 20	18° 0'26	17°16	26° 1	5° 7	19°24	12°11	29°22	18°59	26°50	21°11	7°27	6°10	11°49	9°15	T 30
F 31	7 14 16	19° 1'34	1♏22	27°343	6♏6	19°57	12°24	29°29	18°59	26°50	21°12	7°28	6♏6	11°56	9♏12	F 31

Delta T = 186.58 sec

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