

EXTRACT FROM SECTION G

The following pages replace those in the printed almanac for 2006. This is necessary due to an unpredictable error in the transit times. Mostly the times are in error by 0^m1 or 0^m2; occasionally, the error reached 0^m4. The astrometric right ascension, declination and magnitude are also tabulated but are unchanged.

	PAGE
Notes	G1
Geocentric ephemeris, magnitude, time of ephemeris transit for:	
Ceres	G5
Pallas	G6
Vesta	G7
Hebe	G8
Iris	G9
Flora	G10
Metis	G11
Hygiea	G12
Eunomia	G13
Europa	G14
Cybele	G15
Davida	G16
Interamnia	G17



This symbol indicates that these data or auxiliary material may also be found on *The Astronomical Almanac Online* at <http://asa.usno.navy.mil> and <http://asa.hmnao.com>

Note

A daily geocentric astrometric ephemeris is tabulated for those of the 15 larger minor planets (Ceres, Pallas, Juno, Vesta, Hebe, Iris, Flora, Metis, Hygiea, Eunomia, Psyche, Europa, Cybele, Davida and Interamnia) that have an opposition date occurring between 2006 January 1 and January 31 of the following year. The daily ephemeris of each object is centred about the opposition date, which is repeated at the bottom of the first column and at the top of the second column. The highlighted dates indicate when the object is stationary in right ascension. It is very occasionally possible for a stationary date to be outside the period tabulated.

Linear interpolation is sufficient for the magnitude and ephemeris transit, but for the right ascension and declination second differences are significant. The tabulations are similar to those for Pluto, and the use of the data is similar to that for major planets.

GEOCENTRIC POSITIONS FOR 0^h TERRESTRIAL TIME

Date	Astrometric					Vis. Mag.	Ephem- eris Transit	Date	Astrometric					Vis. Mag.	Ephem- eris Transit							
	R.A.			Dec.					R.A.			Dec.										
	h	m	s	°	'				"	h	m	s	°			'	"	h	m			
2006 June 14	22	10	12.5	-21	53	06	8.6	4	41	3			2006 Aug. 12	21	48	20.4	-27	52	05	7.6	0	27.4
15	22	10	29.0	-21	56	43	8.5	4	37	6			13	21	47	27.9	-27	57	53	7.6	0	22.6
16	22	10	44.1	-22	00	28	8.5	4	33	9			14	21	46	35.2	-28	03	33	7.6	0	17.8
17	22	10	58.0	-22	04	21	8.5	4	30	2			15	21	45	42.3	-28	09	05	7.6	0	13.0
18	22	11	10.5	-22	08	22	8.5	4	26	5			16	21	44	49.3	-28	14	29	7.6	0	08.2
19	22	11	21.6	-22	12	31	8.5	4	22	7			17	21	43	56.2	-28	19	44	7.6	0	03.4
20	22	11	31.4	-22	16	48	8.5	4	18	9			18	21	43	03.1	-28	24	50	7.7	23	53.8
21	22	11	39.8	-22	21	12	8.4	4	15	2			19	21	42	10.1	-28	29	46	7.7	23	49.0
22	22	11	46.9	-22	25	45	8.4	4	11	3			20	21	41	17.2	-28	34	33	7.7	23	44.2
23	22	11	52.5	-22	30	25	8.4	4	07	5			21	21	40	24.4	-28	39	10	7.7	23	39.4
24	22	11	56.7	-22	35	13	8.4	4	03	6			22	21	39	31.9	-28	43	37	7.7	23	34.6
25	22	11	59.5	-22	40	09	8.4	3	59	7			23	21	38	39.7	-28	47	54	7.7	23	29.8
June 26	22	12	00.9	-22	45	12	8.4	3	55	8			24	21	37	47.9	-28	52	01	7.7	23	25.0
27	22	12	00.8	-22	50	23	8.3	3	51	9			25	21	36	56.5	-28	55	56	7.8	23	20.2
28	22	11	59.4	-22	55	41	8.3	3	47	9			26	21	36	05.6	-28	59	41	7.8	23	15.5
29	22	11	56.5	-23	01	05	8.3	3	43	9			27	21	35	15.2	-29	03	15	7.8	23	10.7
30	22	11	52.1	-23	06	37	8.3	3	39	9			28	21	34	25.4	-29	06	38	7.8	23	06.0
July 1	22	11	46.3	-23	12	16	8.3	3	35	9			29	21	33	36.3	-29	09	50	7.8	23	01.2
2	22	11	39.1	-23	18	01	8.3	3	31	9			30	21	32	47.8	-29	12	51	7.8	22	56.5
3	22	11	30.4	-23	23	53	8.2	3	27	8			31	21	32	00.2	-29	15	40	7.9	22	51.8
4	22	11	20.3	-23	29	51	8.2	3	23	7			Sept. 1	21	31	13.3	-29	18	18	7.9	22	47.1
5	22	11	08.7	-23	35	55	8.2	3	19	5			2	21	30	27.3	-29	20	45	7.9	22	42.4
6	22	10	55.7	-23	42	05	8.2	3	15	4			3	21	29	42.2	-29	23	01	7.9	22	37.7
7	22	10	41.3	-23	48	21	8.2	3	11	2			4	21	28	58.0	-29	25	05	7.9	22	33.1
8	22	10	25.5	-23	54	42	8.1	3	07	0			5	21	28	14.8	-29	26	58	8.0	22	28.5
9	22	10	08.2	-24	01	08	8.1	3	02	8			6	21	27	32.6	-29	28	40	8.0	22	23.9
10	22	09	49.5	-24	07	39	8.1	2	58	6			7	21	26	51.5	-29	30	10	8.0	22	19.3
11	22	09	29.4	-24	14	14	8.1	2	54	3			8	21	26	11.5	-29	31	30	8.0	22	14.7
12	22	09	07.8	-24	20	54	8.1	2	50	0			9	21	25	32.7	-29	32	38	8.0	22	10.1
13	22	08	44.9	-24	27	39	8.1	2	45	7			10	21	24	55.0	-29	33	36	8.1	22	05.6
14	22	08	20.6	-24	34	27	8.0	2	41	4			11	21	24	18.5	-29	34	23	8.1	22	01.1
15	22	07	54.9	-24	41	18	8.0	2	37	0			12	21	23	43.2	-29	34	58	8.1	21	56.6
16	22	07	27.9	-24	48	13	8.0	2	32	6			13	21	23	09.2	-29	35	24	8.1	21	52.1
17	22	06	59.5	-24	55	11	8.0	2	28	2			14	21	22	36.4	-29	35	38	8.1	21	47.6
18	22	06	29.8	-25	02	11	8.0	2	23	8			15	21	22	05.0	-29	35	42	8.1	21	43.2
19	22	05	58.7	-25	09	13	7.9	2	19	3			16	21	21	34.9	-29	35	36	8.2	21	38.8
20	22	05	26.3	-25	16	18	7.9	2	14	9			17	21	21	06.2	-29	35	19	8.2	21	34.4
21	22	04	52.7	-25	23	24	7.9	2	10	4			18	21	20	38.9	-29	34	52	8.2	21	30.1
22	22	04	17.8	-25	30	31	7.9	2	05	9			19	21	20	13.0	-29	34	16	8.2	21	25.7
23	22	03	41.7	-25	37	38	7.9	2	01	3			20	21	19	48.5	-29	33	29	8.2	21	21.4
24	22	03	04.4	-25	44	47	7.9	1	56	8			21	21	19	25.5	-29	32	32	8.3	21	17.1
25	22	02	25.9	-25	51	55	7.8	1	52	2			22	21	19	03.9	-29	31	26	8.3	21	12.8
26	22	01	46.3	-25	59	02	7.8	1	47	6			23	21	18	43.8	-29	30	10	8.3	21	08.6
27	22	01	05.6	-26	06	09	7.8	1	43	0			24	21	18	25.2	-29	28	45	8.3	21	04.4
28	22	00	23.8	-26	13	14	7.8	1	38	4			25	21	18	08.0	-29	27	11	8.3	21	00.2
29	21	59	41.0	-26	20	17	7.8	1	33	8			26	21	17	52.4	-29	25	28	8.3	20	56.0
30	21	58	57.3	-26	27	18	7.8	1	29	1			27	21	17	38.3	-29	23	36	8.4	20	51.9
31	21	58	12.6	-26	34	17	7.7	1	24	4			28	21	17	25.8	-29	21	35	8.4	20	47.7
Aug. 1	21	57	27.0	-26	41	12	7.7	1	19	7			29	21	17	14.7	-29	19	26	8.4	20	43.7
2	21	56	40.5	-26	48	04	7.7	1	15	0			30	21	17	05.2	-29	17	08	8.4	20	39.6
3	21	55	53.3	-26	54	52	7.7	1	10	3			Oct. 1	21	16	57.1	-29	14	42	8.4	20	35.5
4	21	55	05.3	-27	01	36	7.7	1	05	6			2	21	16	50.6	-29	12	08	8.5	20	31.5
5	21	54	16.6	-27	08	15	7.7	1	00	9			3	21	16	45.6	-29	09	26	8.5	20	27.5
6	21	53	27.3	-27	14	49	7.7	0	56	1			4	21	16	42.1	-29	06	36	8.5	20	23.6
7	21	52	37.4	-27	21	17	7.6	0	51	3			Oct. 5	21	16	40.2	-29	03	39	8.5	20	19.6
8	21	51	46.9	-27	27	40	7.6	0	46	6			6	21	16	39.7	-29	00	35	8.5	20	15.7
9	21	50	55.9	-27	33	56	7.6	0	41	8			7	21	16	40.7	-28	57	23	8.5	20	11.8
10	21	50	04.4	-27	40	06	7.6	0	37	0			8	21	16	43.1	-28	54	04	8.6	20	07.9
11	21	49	12.6	-27	46	09	7.6	0	32	2			9	21	16	47.0	-28	50	38	8.6	20	04.1
Aug. 12	21	48	20.4	-27	52	05	7.6	0	27	4			Oct. 10	21	16	52.4	-28	47	06	8.6	20	00.3

Second transit for Ceres 2006 August 17^d 23^h 58^m6

PALLAS, 2006
GEOCENTRIC POSITIONS FOR 0^h TERRESTRIAL TIME

Date	Astrometric					Vis. Mag.	Ephem- eris Transit	Date	Astrometric					Vis. Mag.	Ephem- eris Transit
	R.A.		Dec.						R.A.		Dec.				
	h	m	s	°	'				"	h	m	s	°		
2006 May	3	19 01	21.4	+18 51	13	9.9	4 17.9	2006 July	1	18 29	44.3	+23 28	03	9.5	23 49.6
	4	19 01	21.0	+19 00	57	9.9	4 14.0		2	18 28	54.0	+23 25	08	9.5	23 44.9
	5	19 01	19.2	+19 10	36	9.8	4 10.0		3	18 28	03.8	+23 21	56	9.5	23 40.1
	6	19 01	16.2	+19 20	10	9.8	4 06.0		4	18 27	13.9	+23 18	27	9.5	23 35.4
	7	19 01	11.8	+19 29	39	9.8	4 02.0		5	18 26	24.3	+23 14	40	9.5	23 30.6
	8	19 01	06.2	+19 39	02	9.8	3 58.0		6	18 25	34.9	+23 10	37	9.5	23 25.9
	9	19 00	59.3	+19 48	19	9.8	3 53.9		7	18 24	45.9	+23 06	16	9.5	23 21.1
	10	19 00	51.1	+19 57	30	9.8	3 49.9		8	18 23	57.3	+23 01	40	9.5	23 16.4
	11	19 00	41.6	+20 06	34	9.8	3 45.8		9	18 23	09.1	+22 56	46	9.6	23 11.7
	12	19 00	30.9	+20 15	31	9.8	3 41.7		10	18 22	21.4	+22 51	37	9.6	23 07.0
	13	19 00	18.8	+20 24	21	9.8	3 37.5		11	18 21	34.2	+22 46	12	9.6	23 02.3
	14	19 00	05.5	+20 33	04	9.8	3 33.4		12	18 20	47.5	+22 40	31	9.6	22 57.6
	15	18 59	50.9	+20 41	39	9.8	3 29.2		13	18 20	01.4	+22 34	34	9.6	22 52.9
	16	18 59	35.1	+20 50	06	9.8	3 25.0		14	18 19	15.9	+22 28	22	9.6	22 48.2
	17	18 59	17.9	+20 58	25	9.8	3 20.8		15	18 18	31.0	+22 21	55	9.6	22 43.6
	18	18 58	59.6	+21 06	35	9.7	3 16.5		16	18 17	46.8	+22 15	13	9.6	22 38.9
	19	18 58	39.9	+21 14	36	9.7	3 12.3		17	18 17	03.4	+22 08	17	9.6	22 34.3
	20	18 58	19.0	+21 22	27	9.7	3 08.0		18	18 16	20.7	+22 01	06	9.6	22 29.6
	21	18 57	56.9	+21 30	09	9.7	3 03.7		19	18 15	38.8	+21 53	41	9.6	22 25.0
	22	18 57	33.5	+21 37	41	9.7	2 59.4		20	18 14	57.7	+21 46	03	9.6	22 20.4
	23	18 57	09.0	+21 45	03	9.7	2 55.0		21	18 14	17.4	+21 38	11	9.6	22 15.8
	24	18 56	43.2	+21 52	14	9.7	2 50.7		22	18 13	38.0	+21 30	06	9.6	22 11.3
	25	18 56	16.2	+21 59	14	9.7	2 46.3		23	18 12	59.5	+21 21	48	9.6	22 06.7
	26	18 55	48.1	+22 06	03	9.7	2 41.9		24	18 12	22.0	+21 13	17	9.6	22 02.2
	27	18 55	18.8	+22 12	39	9.7	2 37.5		25	18 11	45.5	+21 04	34	9.6	21 57.6
	28	18 54	48.3	+22 19	04	9.7	2 33.0		26	18 11	09.9	+20 55	40	9.7	21 53.1
	29	18 54	16.8	+22 25	17	9.7	2 28.6		27	18 10	35.3	+20 46	34	9.7	21 48.7
	30	18 53	44.1	+22 31	16	9.7	2 24.1		28	18 10	01.8	+20 37	17	9.7	21 44.2
	31	18 53	10.4	+22 37	03	9.7	2 19.6		29	18 09	29.4	+20 27	50	9.7	21 39.7
June	1	18 52	35.6	+22 42	37	9.6	2 15.1		30	18 08	58.0	+20 18	12	9.7	21 35.3
	2	18 51	59.9	+22 47	57	9.6	2 10.6		31	18 08	27.8	+20 08	24	9.7	21 30.9
	3	18 51	23.1	+22 53	03	9.6	2 06.0		Aug. 1	18 07	58.6	+19 58	27	9.7	21 26.5
	4	18 50	45.4	+22 57	55	9.6	2 01.5		2	18 07	30.7	+19 48	21	9.7	21 22.1
	5	18 50	06.7	+23 02	32	9.6	1 56.9		3	18 07	03.8	+19 38	06	9.7	21 17.7
	6	18 49	27.1	+23 06	55	9.6	1 52.3		4	18 06	38.1	+19 27	42	9.7	21 13.4
	7	18 48	46.7	+23 11	03	9.6	1 47.7		5	18 06	13.6	+19 17	11	9.7	21 09.1
	8	18 48	05.4	+23 14	56	9.6	1 43.1		6	18 05	50.3	+19 06	32	9.7	21 04.8
	9	18 47	23.2	+23 18	34	9.6	1 38.5		7	18 05	28.2	+18 55	45	9.8	21 00.5
	10	18 46	40.3	+23 21	56	9.6	1 33.8		8	18 05	07.3	+18 44	52	9.8	20 56.2
	11	18 45	56.7	+23 25	02	9.6	1 29.2		9	18 04	47.6	+18 33	53	9.8	20 52.0
	12	18 45	12.3	+23 27	53	9.6	1 24.5		10	18 04	29.1	+18 22	47	9.8	20 47.8
	13	18 44	27.3	+23 30	27	9.6	1 19.8		11	18 04	11.8	+18 11	35	9.8	20 43.6
	14	18 43	41.6	+23 32	45	9.6	1 15.1		12	18 03	55.7	+18 00	18	9.8	20 39.4
	15	18 42	55.3	+23 34	47	9.6	1 10.4		13	18 03	40.9	+17 48	56	9.8	20 35.2
	16	18 42	08.4	+23 36	32	9.6	1 05.7		14	18 03	27.3	+17 37	29	9.8	20 31.1
	17	18 41	21.0	+23 38	00	9.6	1 01.0		15	18 03	15.0	+17 25	57	9.8	20 27.0
	18	18 40	33.1	+23 39	11	9.6	0 56.3		16	18 03	03.8	+17 14	22	9.9	20 22.9
	19	18 39	44.7	+23 40	05	9.6	0 51.5		17	18 02	54.0	+17 02	42	9.9	20 18.8
	20	18 38	55.9	+23 40	42	9.5	0 46.8		18	18 02	45.3	+16 50	59	9.9	20 14.8
	21	18 38	06.8	+23 41	01	9.5	0 42.1		19	18 02	38.0	+16 39	12	9.9	20 10.7
	22	18 37	17.2	+23 41	03	9.5	0 37.3		20	18 02	31.8	+16 27	23	9.9	20 06.7
	23	18 36	27.5	+23 40	47	9.5	0 32.5		21	18 02	27.0	+16 15	31	9.9	20 02.7
	24	18 35	37.4	+23 40	14	9.5	0 27.8		22	18 02	23.3	+16 03	37	9.9	19 58.7
	25	18 34	47.2	+23 39	22	9.5	0 23.0		23	18 02	20.9	+15 51	41	9.9	19 54.8
	26	18 33	56.8	+23 38	13	9.5	0 18.3		Aug. 24	18 02	19.8	+15 39	43	9.9	19 50.8
	27	18 33	06.3	+23 36	47	9.5	0 13.5		25	18 02	19.9	+15 27	44	9.9	19 46.9
	28	18 32	15.8	+23 35	02	9.5	0 08.7		26	18 02	21.3	+15 15	44	10.0	19 43.0
	29	18 31	25.2	+23 33	00	9.5	0 04.0		27	18 02	23.8	+15 03	43	10.0	19 39.2
	30	18 30	34.7	+23 30	40	9.5	23 54.4		28	18 02	27.6	+14 51	42	10.0	19 35.3
July	1	18 29	44.3	+23 28	03	9.5	23 49.6		Aug. 29	18 02	32.7	+14 39	40	10.0	19 31.5

Second transit for Pallas 2006 June 29^d 23^h 59^m2

VESTA, 2006

G7

GEOCENTRIC POSITIONS FOR 0^h TERRESTRIAL TIME

Date	Astrometric					Vis. Mag.	Ephem- eris Transit	Date	Astrometric					Vis. Mag.	Ephem- eris Transit			
	R.A.			Dec.					R.A.			Dec.						
	h	m	s	°	'				"	h	m	s	°			'	"	h
2005 Nov.	7	7 36	19.4	+19	37	26	7.6	4	30.8	2006 Jan.	5	7 07	59.7	+22	46	30	6.3	0 10.5
	8	7 36	40.2	+19	38	04	7.6	4 27.2		6	7 06	52.5	+22	51	11	6.2	0 05.5	
	9	7 36	59.4	+19	38	47	7.6	4 23.6		7	7 05	45.2	+22	55	50	6.3	0 00.5	
	10	7 37	16.9	+19	39	36	7.5	4 20.0		8	7 04	37.9	+23	00	26	6.3	23 50.4	
	11	7 37	32.8	+19	40	29	7.5	4 16.3		9	7 03	30.7	+23	05	01	6.3	23 45.3	
	12	7 37	47.0	+19	41	29	7.5	4 12.6		10	7 02	23.7	+23	09	32	6.4	23 40.3	
	13	7 37	59.6	+19	42	33	7.5	4 08.9		11	7 01	16.8	+23	14	02	6.4	23 35.3	
	14	7 38	10.4	+19	43	44	7.5	4 05.1		12	7 00	10.3	+23	18	28	6.4	23 30.2	
	15	7 38	19.5	+19	45	00	7.4	4 01.3		13	6 59	04.2	+23	22	51	6.4	23 25.2	
	16	7 38	26.9	+19	46	21	7.4	3 57.5		14	6 57	58.6	+23	27	11	6.5	23 20.2	
	17	7 38	32.5	+19	47	49	7.4	3 53.7		15	6 56	53.6	+23	31	27	6.5	23 15.2	
	18	7 38	36.4	+19	49	22	7.4	3 49.8		16	6 55	49.2	+23	35	40	6.5	23 10.2	
Nov.	19	7 38	38.4	+19	51	02	7.4	3 45.9		17	6 54	45.6	+23	39	49	6.5	23 05.2	
	20	7 38	38.7	+19	52	48	7.4	3 42.0		18	6 53	42.7	+23	43	54	6.6	23 00.3	
	21	7 38	37.1	+19	54	39	7.3	3 38.0		19	6 52	40.7	+23	47	55	6.6	22 55.3	
	22	7 38	33.7	+19	56	37	7.3	3 34.0		20	6 51	39.7	+23	51	52	6.6	22 50.4	
	23	7 38	28.5	+19	58	41	7.3	3 30.0		21	6 50	39.8	+23	55	46	6.6	22 45.5	
	24	7 38	21.3	+20	00	51	7.3	3 25.9		22	6 49	40.9	+23	59	34	6.6	22 40.6	
	25	7 38	12.4	+20	03	08	7.3	3 21.8		23	6 48	43.2	+24	03	19	6.7	22 35.8	
	26	7 38	01.5	+20	05	31	7.2	3 17.7		24	6 47	46.7	+24	06	59	6.7	22 30.9	
	27	7 37	48.7	+20	08	00	7.2	3 13.6		25	6 46	51.6	+24	10	35	6.7	22 26.1	
	28	7 37	34.1	+20	10	35	7.2	3 09.4		26	6 45	57.8	+24	14	07	6.7	22 21.3	
	29	7 37	17.5	+20	13	17	7.2	3 05.2		27	6 45	05.4	+24	17	34	6.8	22 16.5	
	30	7 36	59.1	+20	16	05	7.1	3 00.9		28	6 44	14.6	+24	20	57	6.8	22 11.8	
Dec.	1	7 36	38.7	+20	18	59	7.1	2 56.7		29	6 43	25.3	+24	24	15	6.8	22 07.0	
	2	7 36	16.5	+20	21	59	7.1	2 52.4		30	6 42	37.6	+24	27	29	6.8	22 02.3	
	3	7 35	52.4	+20	25	06	7.1	2 48.0		31	6 41	51.5	+24	30	38	6.8	21 57.7	
	4	7 35	26.4	+20	28	18	7.1	2 43.7		Feb.	1	6 41	07.2	+24	33	43	6.9	21 53.0
	5	7 34	58.5	+20	31	37	7.0	2 39.3		2	6 40	24.5	+24	36	43	6.9	21 48.4	
	6	7 34	28.8	+20	35	01	7.0	2 34.9		3	6 39	43.7	+24	39	40	6.9	21 43.8	
	7	7 33	57.2	+20	38	31	7.0	2 30.4		4	6 39	04.7	+24	42	31	6.9	21 39.3	
	8	7 33	23.8	+20	42	06	7.0	2 25.9		5	6 38	27.6	+24	45	19	6.9	21 34.8	
	9	7 32	48.7	+20	45	47	7.0	2 21.4		6	6 37	52.3	+24	48	02	7.0	21 30.3	
	10	7 32	11.7	+20	49	33	6.9	2 16.8		7	6 37	18.9	+24	50	41	7.0	21 25.8	
	11	7 31	33.1	+20	53	25	6.9	2 12.3		8	6 36	47.5	+24	53	16	7.0	21 21.4	
	12	7 30	52.7	+20	57	21	6.9	2 07.7		9	6 36	18.0	+24	55	47	7.0	21 17.0	
	13	7 30	10.6	+21	01	22	6.9	2 03.0		10	6 35	50.4	+24	58	14	7.0	21 12.6	
	14	7 29	26.8	+21	05	27	6.8	1 58.4		11	6 35	24.8	+25	00	37	7.1	21 08.3	
	15	7 28	41.4	+21	09	37	6.8	1 53.7		12	6 35	01.2	+25	02	56	7.1	21 04.0	
	16	7 27	54.4	+21	13	51	6.8	1 49.0		13	6 34	39.6	+25	05	11	7.1	20 59.8	
	17	7 27	05.9	+21	18	09	6.8	1 44.2		14	6 34	20.0	+25	07	22	7.1	20 55.5	
	18	7 26	15.8	+21	22	30	6.8	1 39.5		15	6 34	02.3	+25	09	29	7.1	20 51.3	
	19	7 25	24.3	+21	26	56	6.7	1 34.7		16	6 33	46.7	+25	11	33	7.2	20 47.2	
	20	7 24	31.3	+21	31	24	6.7	1 29.9		17	6 33	33.1	+25	13	34	7.2	20 43.0	
	21	7 23	37.0	+21	35	55	6.7	1 25.1		18	6 33	21.4	+25	15	30	7.2	20 38.9	
	22	7 22	41.4	+21	40	29	6.7	1 20.2		19	6 33	11.8	+25	17	23	7.2	20 34.9	
	23	7 21	44.4	+21	45	05	6.6	1 15.3		20	6 33	04.2	+25	19	13	7.2	20 30.9	
	24	7 20	46.3	+21	49	44	6.6	1 10.4		21	6 32	58.5	+25	20	59	7.2	20 26.9	
	25	7 19	47.0	+21	54	24	6.6	1 05.5		22	6 32	54.9	+25	22	42	7.3	20 22.9	
	26	7 18	46.6	+21	59	06	6.6	1 00.6		Feb.	23	6 32	53.2	+25	24	22	7.3	20 19.0
	27	7 17	45.2	+22	03	49	6.5	0 55.6		24	6 32	53.5	+25	25	58	7.3	20 15.1	
	28	7 16	42.9	+22	08	34	6.5	0 50.7		25	6 32	55.8	+25	27	31	7.3	20 11.2	
	29	7 15	39.7	+22	13	19	6.5	0 45.7		26	6 33	00.1	+25	29	01	7.3	20 07.4	
	30	7 14	35.7	+22	18	04	6.5	0 40.7		27	6 33	06.3	+25	30	27	7.4	20 03.6	
	31	7 13	30.9	+22	22	50	6.4	0 35.7		28	6 33	14.4	+25	31	51	7.4	19 59.8	
2006 Jan.	1	7 12	25.6	+22	27	36	6.4	0 30.7		Mar.	1	6 33	24.5	+25	33	11	7.4	19 56.1
	2	7 11	19.7	+22	32	21	6.4	0 25.7		2	6 33	36.5	+25	34	28	7.4	19 52.3	
	3	7 10	13.4	+22	37	05	6.3	0 20.6		3	6 33	50.3	+25	35	42	7.4	19 48.7	
	4	7 09	06.7	+22	41	48	6.3	0 15.6		4	6 34	06.1	+25	36	53	7.4	19 45.0	
Jan.	5	7 07	59.7	+22	46	30	6.3	0 10.5		Mar.	5	6 34	23.7	+25	38	01	7.5	19 41.4

Second transit for Vesta 2006 January 7^d 23^h 55^m4

GEOCENTRIC POSITIONS FOR 0^h TERRESTRIAL TIME

Date	Astrometric					Vis. Mag.	Ephem- eris Transit	Date	Astrometric					Vis. Mag.	Ephem- eris Transit
	R.A.			Dec.					R.A.			Dec.			
	h	m	s	°	'				''	h	m	s	°		
2006 June	7	21 11 25.3	-	7 14 08	9.5	4 10.2	2006 Aug.	5	20 55 42.7	-	14 02 54	7.8	0 02.5		
	8	21 11 53.4	-	7 14 15	9.5	4 06.7		6	20 54 51.4	-	14 16 04	7.8	23 52.9		
	9	21 12 20.1	-	7 14 33	9.5	4 03.2		7	20 54 00.0	-	14 29 18	7.8	23 48.1		
	10	21 12 45.4	-	7 15 03	9.5	3 59.7		8	20 53 08.5	-	14 42 35	7.9	23 43.3		
	11	21 13 09.3	-	7 15 44	9.4	3 56.1		9	20 52 17.1	-	14 55 54	7.9	23 38.6		
	12	21 13 31.7	-	7 16 37	9.4	3 52.6		10	20 51 25.7	-	15 09 15	7.9	23 33.8		
	13	21 13 52.7	-	7 17 43	9.4	3 49.0		11	20 50 34.6	-	15 22 36	7.9	23 29.0		
	14	21 14 12.2	-	7 19 00	9.4	3 45.4		12	20 49 43.7	-	15 35 58	8.0	23 24.2		
	15	21 14 30.1	-	7 20 31	9.3	3 41.7		13	20 48 53.1	-	15 49 19	8.0	23 19.5		
	16	21 14 46.6	-	7 22 14	9.3	3 38.1		14	20 48 03.0	-	16 02 39	8.0	23 14.7		
	17	21 15 01.5	-	7 24 10	9.3	3 34.4		15	20 47 13.4	-	16 15 57	8.0	23 10.0		
	18	21 15 14.9	-	7 26 20	9.3	3 30.7		16	20 46 24.4	-	16 29 12	8.0	23 05.2		
	19	21 15 26.7	-	7 28 43	9.2	3 26.9		17	20 45 36.0	-	16 42 23	8.1	23 00.5		
	20	21 15 36.9	-	7 31 20	9.2	3 23.2		18	20 44 48.5	-	16 55 31	8.1	22 55.8		
	21	21 15 45.4	-	7 34 12	9.2	3 19.4		19	20 44 01.7	-	17 08 34	8.1	22 51.1		
	22	21 15 52.4	-	7 37 18	9.2	3 15.6		20	20 43 16.0	-	17 21 31	8.1	22 46.5		
	23	21 15 57.7	-	7 40 38	9.1	3 11.7		21	20 42 31.2	-	17 34 22	8.2	22 41.8		
	24	21 16 01.4	-	7 44 14	9.1	3 07.8		22	20 41 47.5	-	17 47 07	8.2	22 37.2		
June	25	21 16 03.4	-	7 48 04	9.1	3 03.9		23	20 41 05.0	-	17 59 44	8.2	22 32.5		
	26	21 16 03.8	-	7 52 10	9.0	3 00.0		24	20 40 23.8	-	18 12 13	8.2	22 27.9		
	27	21 16 02.5	-	7 56 31	9.0	2 56.1		25	20 39 43.9	-	18 24 34	8.2	22 23.4		
	28	21 15 59.5	-	8 01 08	9.0	2 52.1		26	20 39 05.4	-	18 36 45	8.3	22 18.8		
	29	21 15 54.8	-	8 06 01	9.0	2 48.1		27	20 38 28.3	-	18 48 47	8.3	22 14.3		
	30	21 15 48.5	-	8 11 10	8.9	2 44.0		28	20 37 52.8	-	19 00 39	8.3	22 09.8		
July	1	21 15 40.5	-	8 16 34	8.9	2 39.9		29	20 37 18.9	-	19 12 21	8.3	22 05.3		
	2	21 15 30.8	-	8 22 15	8.9	2 35.9		30	20 36 46.6	-	19 23 51	8.4	22 00.9		
	3	21 15 19.5	-	8 28 12	8.9	2 31.7		31	20 36 16.0	-	19 35 10	8.4	21 56.5		
	4	21 15 06.5	-	8 34 25	8.8	2 27.6		Sept. 1	20 35 47.2	-	19 46 18	8.4	21 52.1		
	5	21 14 51.9	-	8 40 54	8.8	2 23.4		2	20 35 20.2	-	19 57 13	8.4	21 47.8		
	6	21 14 35.5	-	8 47 39	8.8	2 19.2		3	20 34 55.0	-	20 07 57	8.4	21 43.4		
	7	21 14 17.6	-	8 54 41	8.7	2 15.0		4	20 34 31.7	-	20 18 27	8.5	21 39.2		
	8	21 13 58.0	-	9 01 59	8.7	2 10.7		5	20 34 10.3	-	20 28 45	8.5	21 34.9		
	9	21 13 36.9	-	9 09 33	8.7	2 06.4		6	20 33 50.9	-	20 38 50	8.5	21 30.7		
	10	21 13 14.1	-	9 17 24	8.7	2 02.1		7	20 33 33.4	-	20 48 42	8.5	21 26.5		
	11	21 12 49.7	-	9 25 30	8.6	1 57.8		8	20 33 17.9	-	20 58 20	8.5	21 22.3		
	12	21 12 23.8	-	9 33 53	8.6	1 53.4		9	20 33 04.5	-	21 07 45	8.6	21 18.2		
	13	21 11 56.3	-	9 42 31	8.6	1 49.0		10	20 32 53.1	-	21 16 56	8.6	21 14.1		
	14	21 11 27.2	-	9 51 25	8.5	1 44.6		11	20 32 43.7	-	21 25 53	8.6	21 10.0		
	15	21 10 56.7	-	10 00 35	8.5	1 40.2		12	20 32 36.5	-	21 34 36	8.6	21 06.0		
	16	21 10 24.7	-	10 10 00	8.5	1 35.7		13	20 32 31.3	-	21 43 06	8.6	21 02.0		
	17	21 09 51.2	-	10 19 41	8.4	1 31.2		Sept. 14	20 32 28.2	-	21 51 21	8.7	20 58.1		
	18	21 09 16.3	-	10 29 36	8.4	1 26.7		15	20 32 27.3	-	21 59 23	8.7	20 54.2		
	19	21 08 40.0	-	10 39 46	8.4	1 22.2		16	20 32 28.5	-	22 07 10	8.7	20 50.3		
	20	21 08 02.3	-	10 50 11	8.3	1 17.6		17	20 32 31.8	-	22 14 42	8.7	20 46.4		
	21	21 07 23.4	-	11 00 49	8.3	1 13.0		18	20 32 37.3	-	22 22 01	8.7	20 42.6		
	22	21 06 43.2	-	11 11 41	8.3	1 08.4		19	20 32 44.9	-	22 29 05	8.8	20 38.9		
	23	21 06 01.8	-	11 22 47	8.3	1 03.8		20	20 32 54.7	-	22 35 54	8.8	20 35.1		
	24	21 05 19.2	-	11 34 05	8.2	0 59.2		21	20 33 06.7	-	22 42 30	8.8	20 31.4		
	25	21 04 35.6	-	11 45 36	8.2	0 54.5		22	20 33 20.9	-	22 48 51	8.8	20 27.8		
	26	21 03 50.9	-	11 57 18	8.2	0 49.9		23	20 33 37.2	-	22 54 57	8.8	20 24.1		
	27	21 03 05.2	-	12 09 12	8.1	0 45.2		24	20 33 55.6	-	23 00 50	8.9	20 20.5		
	28	21 02 18.7	-	12 21 16	8.1	0 40.5		25	20 34 16.2	-	23 06 28	8.9	20 17.0		
	29	21 01 31.3	-	12 33 30	8.1	0 35.8		26	20 34 38.9	-	23 11 52	8.9	20 13.4		
	30	21 00 43.2	-	12 45 54	8.0	0 31.0		27	20 35 03.7	-	23 17 01	8.9	20 10.0		
	31	20 59 54.4	-	12 58 26	8.0	0 26.3		28	20 35 30.6	-	23 21 57	8.9	20 06.5		
Aug.	1	20 59 04.9	-	13 11 06	7.9	0 21.5		29	20 35 59.6	-	23 26 38	9.0	20 03.1		
	2	20 58 15.0	-	13 23 54	7.9	0 16.8		30	20 36 30.7	-	23 31 06	9.0	19 59.7		
	3	20 57 24.6	-	13 36 48	7.9	0 12.0		Oct. 1	20 37 03.8	-	23 35 20	9.0	19 56.3		
	4	20 56 33.8	-	13 49 49	7.8	0 07.2		2	20 37 39.0	-	23 39 20	9.0	19 53.0		
Aug.	5	20 55 42.7	-	14 02 54	7.8	0 02.5		Oct. 3	20 38 16.1	-	23 43 06	9.0	19 49.7		

Second transit for Hebe 2006 August 5^d 23^h 57^m 7

IRIS, 2006
GEOCENTRIC POSITIONS FOR 0^h TERRESTRIAL TIME

G9

Date	Astrometric		Vis. Mag.	Ephem- eris Transit	Date	Astrometric		Vis. Mag.	Ephem- eris Transit
	R.A.	Dec.				R.A.	Dec.		
	h m s ° / "	° / "				h m s ° / "	° / "		
2006 Sept. 16	3 21 26.0	+25 52 43	8.4	3 42-2	2006 Nov. 14	3 13 36.9	+23 47 08	6.8	23 37-5
17	3 22 18.9	+25 56 40	8.4	3 39-1	15	3 12 45.3	+23 38 43	6.8	23 32-7
18	3 23 10.0	+26 00 27	8.4	3 36-0	16	3 11 54.0	+23 30 11	6.8	23 27-9
19	3 23 59.2	+26 04 03	8.3	3 32-9	17	3 11 03.2	+23 21 34	6.8	23 23-2
20	3 24 46.4	+26 07 29	8.3	3 29-7	18	3 10 12.8	+23 12 52	6.8	23 18-4
21	3 25 31.6	+26 10 45	8.3	3 26-6	19	3 09 23.1	+23 04 06	6.8	23 13-7
22	3 26 14.8	+26 13 50	8.3	3 23-3	20	3 08 34.2	+22 55 17	6.9	23 08-9
23	3 26 56.0	+26 16 44	8.2	3 20-1	21	3 07 46.1	+22 46 25	6.9	23 04-2
24	3 27 35.0	+26 19 27	8.2	3 16-8	22	3 06 59.1	+22 37 33	6.9	22 59-5
25	3 28 12.0	+26 21 59	8.2	3 13-5	23	3 06 13.1	+22 28 39	7.0	22 54-9
26	3 28 46.7	+26 24 20	8.2	3 10-1	24	3 05 28.4	+22 19 46	7.0	22 50-2
27	3 29 19.3	+26 26 30	8.1	3 06-7	25	3 04 44.9	+22 10 55	7.0	22 45-6
28	3 29 49.7	+26 28 28	8.1	3 03-3	26	3 04 02.9	+22 02 04	7.1	22 41-0
29	3 30 17.9	+26 30 14	8.1	2 59-8	27	3 03 22.3	+21 53 17	7.1	22 36-4
30	3 30 43.8	+26 31 49	8.1	2 56-3	28	3 02 43.3	+21 44 33	7.1	22 31-8
Oct. 1	3 31 07.4	+26 33 11	8.0	2 52-8	29	3 02 06.0	+21 35 53	7.2	22 27-3
2	3 31 28.8	+26 34 21	8.0	2 49-2	30	3 01 30.4	+21 27 18	7.2	22 22-8
3	3 31 47.8	+26 35 19	8.0	2 45-6	Dec. 1	3 00 56.6	+21 18 49	7.2	22 18-3
4	3 32 04.5	+26 36 05	8.0	2 41-9	2	3 00 24.6	+21 10 26	7.3	22 13-9
5	3 32 18.9	+26 36 38	7.9	2 38-2	3	2 59 54.6	+21 02 10	7.3	22 09-5
6	3 32 30.9	+26 36 58	7.9	2 34-5	4	2 59 26.5	+20 54 01	7.3	22 05-1
7	3 32 40.5	+26 37 05	7.9	2 30-7	5	2 59 00.3	+20 46 00	7.4	22 00-8
8	3 32 47.8	+26 36 59	7.8	2 26-9	6	2 58 36.3	+20 38 07	7.4	21 56-5
9	3 32 52.7	+26 36 39	7.8	2 23-0	7	2 58 14.2	+20 30 24	7.4	21 52-2
Oct. 10	3 32 55.1	+26 36 06	7.8	2 19-1	8	2 57 54.3	+20 22 50	7.5	21 48-0
11	3 32 55.2	+26 35 19	7.8	2 15-2	9	2 57 36.6	+20 15 25	7.5	21 43-8
12	3 32 52.8	+26 34 18	7.7	2 11-2	10	2 57 20.9	+20 08 12	7.5	21 39-7
13	3 32 48.0	+26 33 03	7.7	2 07-2	11	2 57 07.5	+20 01 09	7.6	21 35-5
14	3 32 40.8	+26 31 34	7.7	2 03-1	12	2 56 56.3	+19 54 17	7.6	21 31-5
15	3 32 31.2	+26 29 50	7.6	1 59-1	13	2 56 47.3	+19 47 36	7.6	21 27-4
16	3 32 19.2	+26 27 51	7.6	1 54-9	14	2 56 40.6	+19 41 08	7.7	21 23-4
17	3 32 04.9	+26 25 38	7.6	1 50-7	15	2 56 36.1	+19 34 51	7.7	21 19-4
18	3 31 48.2	+26 23 10	7.6	1 46-5	Dec. 16	2 56 33.8	+19 28 47	7.7	21 15-5
19	3 31 29.3	+26 20 26	7.5	1 42-3	17	2 56 33.9	+19 22 55	7.8	21 11-6
20	3 31 08.0	+26 17 28	7.5	1 38-0	18	2 56 36.2	+19 17 16	7.8	21 07-7
21	3 30 44.6	+26 14 15	7.5	1 33-7	19	2 56 40.8	+19 11 50	7.8	21 03-9
22	3 30 19.0	+26 10 46	7.4	1 29-3	20	2 56 47.7	+19 06 37	7.9	21 00-1
23	3 29 51.3	+26 07 03	7.4	1 24-9	21	2 56 56.9	+19 01 37	7.9	20 56-4
24	3 29 21.5	+26 03 04	7.4	1 20-5	22	2 57 08.3	+18 56 51	7.9	20 52-7
25	3 28 49.8	+25 58 50	7.4	1 16-0	23	2 57 22.0	+18 52 18	7.9	20 49-0
26	3 28 16.2	+25 54 21	7.3	1 11-6	24	2 57 38.0	+18 47 58	8.0	20 45-4
27	3 27 40.7	+25 49 37	7.3	1 07-0	25	2 57 56.1	+18 43 51	8.0	20 41-8
28	3 27 03.5	+25 44 39	7.3	1 02-5	26	2 58 16.5	+18 39 58	8.0	20 38-2
29	3 26 24.6	+25 39 25	7.2	0 57-9	27	2 58 39.1	+18 36 17	8.1	20 34-7
30	3 25 44.1	+25 33 58	7.2	0 53-3	28	2 59 03.9	+18 32 50	8.1	20 31-2
31	3 25 02.2	+25 28 16	7.2	0 48-7	29	2 59 30.8	+18 29 36	8.1	20 27-7
Nov. 1	3 24 18.8	+25 22 21	7.1	0 44-0	30	2 59 59.8	+18 26 35	8.2	20 24-3
2	3 23 34.2	+25 16 12	7.1	0 39-4	31	3 00 30.9	+18 23 46	8.2	20 20-9
3	3 22 48.5	+25 09 49	7.1	0 34-7	2007 Jan. 1	3 01 04.1	+18 21 10	8.2	20 17-6
4	3 22 01.6	+25 03 14	7.0	0 30-0	2	3 01 39.3	+18 18 46	8.2	20 14-2
5	3 21 13.7	+24 56 26	7.0	0 25-2	3	3 02 16.5	+18 16 34	8.3	20 11-0
6	3 20 25.0	+24 49 26	7.0	0 20-5	4	3 02 55.6	+18 14 34	8.3	20 07-7
7	3 19 35.5	+24 42 15	7.0	0 15-7	5	3 03 36.7	+18 12 46	8.3	20 04-5
8	3 18 45.3	+24 34 52	6.9	0 11-0	6	3 04 19.7	+18 11 10	8.4	20 01-3
9	3 17 54.6	+24 27 18	6.9	0 06-2	7	3 05 04.6	+18 09 44	8.4	19 58-1
10	3 17 03.5	+24 19 34	6.9	0 01-4	8	3 05 51.3	+18 08 30	8.4	19 55-0
11	3 16 12.0	+24 11 41	6.8	23 51-8	9	3 06 39.9	+18 07 27	8.4	19 51-9
12	3 15 20.3	+24 03 38	6.8	23 47-1	10	3 07 30.2	+18 06 34	8.5	19 48-8
13	3 14 28.6	+23 55 27	6.8	23 42-3	11	3 08 22.3	+18 05 52	8.5	19 45-8
Nov. 14	3 13 36.9	+23 47 08	6.8	23 37-5	Jan. 12	3 09 16.1	+18 05 20	8.5	19 42-8

Second transit for Iris 2006 November 10^d 23^h 56^m6

FLORA, 2006
GEOCENTRIC POSITIONS FOR 0^h TERRESTRIAL TIME

Date	Astrometric					Vis. Mag.	Ephem- eris Transit	Date	Astrometric					Vis. Mag.	Ephem- eris Transit				
	R.A.		Dec.						R.A.		Dec.								
	h	m	s	°	'				"	h	m	s	°			'	"		
2006 Mar. 21	16	19	02.6	-14	17	57	10.8	4	25.2	2006 May 19	15	49	23.9	-11	59	04	9.6	0	03.7
22	16	19	20.1	-14	16	44	10.8	4	21.6	20	15	48	19.1	-11	56	52	9.6	23	53.6
23	16	19	35.9	-14	15	27	10.8	4	17.9	21	15	47	14.3	-11	54	44	9.7	23	48.6
24	16	19	50.1	-14	14	06	10.8	4	14.2	22	15	46	09.4	-11	52	41	9.7	23	43.6
25	16	20	02.6	-14	12	41	10.8	4	10.5	23	15	45	04.7	-11	50	42	9.7	23	38.6
26	16	20	13.4	-14	11	12	10.8	4	06.7	24	15	44	00.0	-11	48	47	9.7	23	33.6
27	16	20	22.5	-14	09	39	10.7	4	02.9	25	15	42	55.6	-11	46	58	9.7	23	28.6
28	16	20	29.9	-14	08	02	10.7	3	59.1	26	15	41	51.6	-11	45	13	9.7	23	23.7
29	16	20	35.6	-14	06	22	10.7	3	55.3	27	15	40	47.8	-11	43	34	9.7	23	18.7
30	16	20	39.5	-14	04	38	10.7	3	51.4	28	15	39	44.6	-11	42	00	9.8	23	13.7
Mar. 31	16	20	41.7	-14	02	50	10.7	3	47.5	29	15	38	41.9	-11	40	32	9.8	23	08.7
Apr. 1	16	20	42.1	-14	00	59	10.6	3	43.6	30	15	37	39.8	-11	39	10	9.8	23	03.8
2	16	20	40.8	-13	59	05	10.6	3	39.6	31	15	36	38.4	-11	37	54	9.8	22	58.9
3	16	20	37.6	-13	57	07	10.6	3	35.6	June 1	15	35	37.7	-11	36	44	9.8	22	53.9
4	16	20	32.7	-13	55	06	10.6	3	31.6	2	15	34	37.8	-11	35	40	9.8	22	49.0
5	16	20	26.0	-13	53	02	10.6	3	27.6	3	15	33	38.8	-11	34	43	9.9	22	44.1
6	16	20	17.5	-13	50	55	10.5	3	23.5	4	15	32	40.8	-11	33	52	9.9	22	39.2
7	16	20	07.2	-13	48	45	10.5	3	19.4	5	15	31	43.7	-11	33	08	9.9	22	34.4
8	16	19	55.1	-13	46	32	10.5	3	15.3	6	15	30	47.7	-11	32	31	9.9	22	29.5
9	16	19	41.2	-13	44	16	10.5	3	11.1	7	15	29	52.8	-11	32	01	9.9	22	24.7
10	16	19	25.5	-13	41	57	10.5	3	06.9	8	15	28	59.0	-11	31	37	10.0	22	19.9
11	16	19	08.0	-13	39	36	10.4	3	02.7	9	15	28	06.5	-11	31	21	10.0	22	15.1
12	16	18	48.7	-13	37	12	10.4	2	58.4	10	15	27	15.2	-11	31	12	10.0	22	10.4
13	16	18	27.6	-13	34	46	10.4	2	54.1	11	15	26	25.2	-11	31	10	10.0	22	05.6
14	16	18	04.8	-13	32	18	10.4	2	49.8	12	15	25	36.5	-11	31	15	10.0	22	00.9
15	16	17	40.1	-13	29	47	10.3	2	45.5	13	15	24	49.2	-11	31	28	10.1	21	56.2
16	16	17	13.7	-13	27	14	10.3	2	41.1	14	15	24	03.3	-11	31	48	10.1	21	51.5
17	16	16	45.6	-13	24	39	10.3	2	36.7	15	15	23	18.9	-11	32	15	10.1	21	46.9
18	16	16	15.7	-13	22	02	10.3	2	32.3	16	15	22	35.9	-11	32	49	10.1	21	42.3
19	16	15	44.0	-13	19	24	10.3	2	27.8	17	15	21	54.4	-11	33	31	10.1	21	37.7
20	16	15	10.7	-13	16	43	10.2	2	23.3	18	15	21	14.5	-11	34	21	10.2	21	33.1
21	16	14	35.6	-13	14	01	10.2	2	18.8	19	15	20	36.1	-11	35	18	10.2	21	28.6
22	16	13	58.9	-13	11	18	10.2	2	14.3	20	15	19	59.3	-11	36	22	10.2	21	24.1
23	16	13	20.5	-13	08	33	10.2	2	09.7	21	15	19	24.1	-11	37	34	10.2	21	19.6
24	16	12	40.4	-13	05	47	10.1	2	05.1	22	15	18	50.6	-11	38	54	10.2	21	15.1
25	16	11	58.8	-13	03	00	10.1	2	00.5	23	15	18	18.7	-11	40	21	10.3	21	10.7
26	16	11	15.6	-13	00	12	10.1	1	55.8	24	15	17	48.5	-11	41	55	10.3	21	06.3
27	16	10	30.9	-12	57	23	10.1	1	51.2	25	15	17	20.1	-11	43	37	10.3	21	01.9
28	16	09	44.6	-12	54	34	10.1	1	46.5	26	15	16	53.3	-11	45	26	10.3	20	57.5
29	16	08	57.0	-12	51	45	10.0	1	41.7	27	15	16	28.3	-11	47	23	10.3	20	53.2
30	16	08	07.9	-12	48	55	10.0	1	37.0	28	15	16	05.0	-11	49	27	10.3	20	48.9
May 1	16	07	17.4	-12	46	06	10.0	1	32.2	29	15	15	43.4	-11	51	38	10.4	20	44.6
2	16	06	25.7	-12	43	17	10.0	1	27.4	30	15	15	23.6	-11	53	57	10.4	20	40.4
3	16	05	32.7	-12	40	28	9.9	1	22.6	July 1	15	15	05.6	-11	56	23	10.4	20	36.2
4	16	04	38.6	-12	37	40	9.9	1	17.8	2	15	14	49.3	-11	58	55	10.4	20	32.0
5	16	03	43.2	-12	34	53	9.9	1	12.9	3	15	14	34.8	-12	01	35	10.4	20	27.9
6	16	02	46.8	-12	32	06	9.9	1	08.1	4	15	14	22.0	-12	04	21	10.5	20	23.8
7	16	01	49.4	-12	29	21	9.9	1	03.2	5	15	14	11.0	-12	07	14	10.5	20	19.7
8	16	00	51.0	-12	26	38	9.8	0	58.3	6	15	14	01.8	-12	10	14	10.5	20	15.6
9	15	59	51.8	-12	23	55	9.8	0	53.4	7	15	13	54.2	-12	13	21	10.5	20	11.6
10	15	58	51.6	-12	21	15	9.8	0	48.4	8	15	13	48.5	-12	16	33	10.5	20	07.6
11	15	57	50.8	-12	18	37	9.8	0	43.5	9	15	13	44.4	-12	19	52	10.5	20	03.6
12	15	56	49.2	-12	16	00	9.7	0	38.6	July 10	15	13	42.1	-12	23	18	10.6	19	59.7
13	15	55	46.9	-12	13	27	9.7	0	33.6	11	15	13	41.4	-12	26	49	10.6	19	55.7
14	15	54	44.1	-12	10	55	9.7	0	28.6	12	15	13	42.5	-12	30	26	10.6	19	51.8
15	15	53	40.8	-12	08	27	9.7	0	23.6	13	15	13	45.2	-12	34	09	10.6	19	48.0
16	15	52	37.1	-12	06	01	9.7	0	18.6	14	15	13	49.7	-12	37	58	10.6	19	44.1
17	15	51	33.0	-12	03	39	9.7	0	13.7	15	15	13	55.7	-12	41	52	10.6	19	40.3
18	15	50	28.6	-12	01	19	9.7	0	08.7	16	15	14	03.5	-12	45	52	10.7	19	36.6
May 19	15	49	23.9	-11	59	04	9.6	0	03.7	July 17	15	14	12.8	-12	49	58	10.7	19	32.8

Second transit for Flora 2006 May 19^d 23^h 58^m7

METIS, 2006

G11

GEOCENTRIC POSITIONS FOR 0^h TERRESTRIAL TIME

Date	Astrometric					Vis. Mag.	Ephem- eris Transit	Date	Astrometric					Vis. Mag.	Ephem- eris Transit	
	R.A.		Dec.						R.A.		Dec.					
	h	m	s	°	'				"	h	m	s	°			'
2006 Jan.	2	11 29	42.8	+11 08	36	10.3	4 43.4	2006 Mar.	2	11 09	55.7	+15 50	18	9.1	0 31.6	
	3	11 30	13.4	+11 09	05	10.3	4 40.0		3	11 08	56.3	+15 56	09	9.1	0 26.7	
	4	11 30	42.4	+11 09	46	10.2	4 36.5		4	11 07	56.8	+16 01	51	9.2	0 21.8	
	5	11 31	09.7	+11 10	38	10.2	4 33.0		5	11 06	57.2	+16 07	26	9.2	0 16.8	
	6	11 31	35.3	+11 11	41	10.2	4 29.5		6	11 05	57.7	+16 12	50	9.2	0 11.9	
	7	11 31	59.1	+11 12	55	10.2	4 26.0		7	11 04	58.3	+16 18	06	9.2	0 07.0	
	8	11 32	21.3	+11 14	21	10.2	4 22.4		8	11 03	59.2	+16 23	11	9.2	0 02.1	
	9	11 32	41.7	+11 15	58	10.2	4 18.8		9	11 03	00.3	+16 28	05	9.2	23 52.3	
	10	11 33	00.3	+11 17	47	10.1	4 15.2		10	11 02	01.8	+16 32	49	9.3	23 47.4	
	11	11 33	17.2	+11 19	46	10.1	4 11.5		11	11 01	03.7	+16 37	22	9.3	23 42.5	
	12	11 33	32.2	+11 21	57	10.1	4 07.8		12	11 00	06.2	+16 41	43	9.3	23 37.6	
	13	11 33	45.5	+11 24	20	10.1	4 04.1		13	10 59	09.3	+16 45	53	9.3	23 32.8	
	14	11 33	56.9	+11 26	53	10.1	4 00.4		14	10 58	13.0	+16 49	51	9.4	23 27.9	
	15	11 34	06.5	+11 29	38	10.0	3 56.6		15	10 57	17.5	+16 53	36	9.4	23 23.1	
	16	11 34	14.2	+11 32	35	10.0	3 52.8		16	10 56	22.8	+16 57	09	9.4	23 18.3	
	17	11 34	20.0	+11 35	42	10.0	3 48.9		17	10 55	29.0	+17 00	30	9.4	23 13.4	
	18	11 34	24.0	+11 39	00	10.0	3 45.1		18	10 54	36.2	+17 03	37	9.5	23 08.7	
Jan.	19	11 34	26.1	+11 42	30	10.0	3 41.2		19	10 53	44.3	+17 06	32	9.5	23 03.9	
	20	11 34	26.2	+11 46	10	9.9	3 37.2		20	10 52	53.5	+17 09	14	9.5	22 59.1	
	21	11 34	24.5	+11 50	02	9.9	3 33.3		21	10 52	03.9	+17 11	43	9.5	22 54.4	
	22	11 34	20.8	+11 54	04	9.9	3 29.3		22	10 51	15.5	+17 13	59	9.6	22 49.7	
	23	11 34	15.1	+11 58	16	9.9	3 25.2		23	10 50	28.3	+17 16	01	9.6	22 45.0	
	24	11 34	07.6	+12 02	39	9.9	3 21.2		24	10 49	42.3	+17 17	51	9.6	22 40.3	
	25	11 33	58.0	+12 07	12	9.8	3 17.1		25	10 48	57.8	+17 19	27	9.6	22 35.7	
	26	11 33	46.6	+12 11	55	9.8	3 13.0		26	10 48	14.6	+17 20	49	9.7	22 31.0	
	27	11 33	33.2	+12 16	48	9.8	3 08.8		27	10 47	32.9	+17 21	58	9.7	22 26.4	
	28	11 33	17.8	+12 21	51	9.8	3 04.6		28	10 46	52.6	+17 22	54	9.7	22 21.9	
	29	11 33	00.6	+12 27	02	9.8	3 00.4		29	10 46	13.9	+17 23	37	9.7	22 17.3	
	30	11 32	41.4	+12 32	23	9.7	2 56.1		30	10 45	36.7	+17 24	06	9.8	22 12.8	
	31	11 32	20.3	+12 37	52	9.7	2 51.9		31	10 45	01.2	+17 24	22	9.8	22 08.3	
Feb.	1	11 31	57.3	+12 43	29	9.7	2 47.5		Apr.	1	10 44	27.3	+17 24	25	9.8	22 03.8
	2	11 31	32.4	+12 49	14	9.7	2 43.2		2	10 43	55.0	+17 24	15	9.9	21 59.4	
	3	11 31	05.7	+12 55	07	9.6	2 38.8		3	10 43	24.4	+17 23	52	9.9	21 55.0	
	4	11 30	37.2	+13 01	06	9.6	2 34.4		4	10 42	55.5	+17 23	16	9.9	21 50.6	
	5	11 30	06.9	+13 07	12	9.6	2 30.0		5	10 42	28.3	+17 22	27	9.9	21 46.2	
	6	11 29	34.8	+13 13	24	9.6	2 25.5		6	10 42	02.8	+17 21	27	10.0	21 41.9	
	7	11 29	01.0	+13 19	42	9.6	2 21.0		7	10 41	39.1	+17 20	14	10.0	21 37.6	
	8	11 28	25.5	+13 26	05	9.5	2 16.5		8	10 41	17.1	+17 18	48	10.0	21 33.3	
	9	11 27	48.4	+13 32	32	9.5	2 11.9		9	10 40	56.9	+17 17	11	10.0	21 29.1	
	10	11 27	09.6	+13 39	04	9.5	2 07.4		10	10 40	38.4	+17 15	22	10.1	21 24.9	
	11	11 26	29.3	+13 45	39	9.5	2 02.8		11	10 40	21.7	+17 13	22	10.1	21 20.7	
	12	11 25	47.4	+13 52	18	9.5	1 58.1		12	10 40	06.7	+17 11	11	10.1	21 16.5	
	13	11 25	04.0	+13 58	59	9.4	1 53.5		13	10 39	53.5	+17 08	48	10.1	21 12.4	
	14	11 24	19.2	+14 05	42	9.4	1 48.8		14	10 39	42.0	+17 06	14	10.1	21 08.3	
	15	11 23	33.0	+14 12	27	9.4	1 44.1		15	10 39	32.3	+17 03	30	10.2	21 04.3	
	16	11 22	45.4	+14 19	13	9.4	1 39.4		16	10 39	24.3	+17 00	35	10.2	21 00.2	
	17	11 21	56.6	+14 25	59	9.3	1 34.6		17	10 39	18.0	+16 57	29	10.2	20 56.2	
	18	11 21	06.6	+14 32	45	9.3	1 29.9		18	10 39	13.4	+16 54	14	10.2	20 52.2	
	19	11 20	15.3	+14 39	31	9.3	1 25.1		19	10 39	10.5	+16 50	49	10.3	20 48.3	
	20	11 19	23.0	+14 46	15	9.3	1 20.3		Apr. 20	10 39	09.3	+16 47	13	10.3	20 44.3	
	21	11 18	29.7	+14 52	58	9.3	1 15.5		21	10 39	09.8	+16 43	29	10.3	20 40.4	
	22	11 17	35.4	+14 59	38	9.2	1 10.7		22	10 39	12.0	+16 39	34	10.3	20 36.6	
	23	11 16	40.2	+15 06	15	9.2	1 05.8		23	10 39	15.8	+16 35	31	10.4	20 32.7	
	24	11 15	44.2	+15 12	48	9.2	1 00.9		24	10 39	21.2	+16 31	18	10.4	20 28.9	
	25	11 14	47.5	+15 19	17	9.2	0 56.1		25	10 39	28.3	+16 26	56	10.4	20 25.1	
	26	11 13	50.1	+15 25	41	9.2	0 51.2		26	10 39	37.0	+16 22	26	10.4	20 21.3	
	27	11 12	52.1	+15 32	00	9.2	0 46.3		27	10 39	47.4	+16 17	46	10.4	20 17.6	
	28	11 11	53.7	+15 38	13	9.2	0 41.4		28	10 39	59.2	+16 12	59	10.5	20 13.9	
Mar.	1	11 10	54.8	+15 44	19	9.1	0 36.5		29	10 40	12.7	+16 08	03	10.5	20 10.2	
Mar.	2	11 09	55.7	+15 50	18	9.1	0 31.6		Apr. 30	10 40	27.7	+16 02	58	10.5	20 06.5	

Second transit for Metis 2006 March 8^d 23^h 57^m 2

HYGIEA, 2006
GEOCENTRIC POSITIONS FOR 0^h TERRESTRIAL TIME

Date	Astrometric					Vis. Mag.	Ephem- eris Transit	Date	Astrometric					Vis. Mag.	Ephem- eris Transit
	R.A.			Dec.					R.A.			Dec.			
	h	m	s	°	'				"	h	m	s	°		
2006 May 15	19 54	14.1		-21 19	02	10.4	4 23.6	2006 July 13	19 28	19.2		-21 09	18	9.2	0 05.8
16	19 54	26.7		-21 17	29	10.4	4 19.9	14	19 27	28.1		-21 09	49	9.2	0 01.0
17	19 54	37.9		-21 16	00	10.4	4 16.1	15	19 26	37.1		-21 10	19	9.2	23 51.4
18	19 54	47.6		-21 14	34	10.3	4 12.4	16	19 25	46.2		-21 10	48	9.3	23 46.7
19	19 54	55.7		-21 13	11	10.3	4 08.6	17	19 24	55.5		-21 11	17	9.3	23 41.9
20	19 55	02.4		-21 11	52	10.3	4 04.7	18	19 24	05.1		-21 11	45	9.4	23 37.1
21	19 55	07.6		-21 10	36	10.3	4 00.9	19	19 23	15.0		-21 12	12	9.4	23 32.4
22	19 55	11.3		-21 09	23	10.3	3 57.0	20	19 22	25.3		-21 12	38	9.4	23 27.6
May 23	19 55	13.4		-21 08	14	10.3	3 53.1	21	19 21	36.0		-21 13	02	9.4	23 22.9
24	19 55	14.1		-21 07	09	10.2	3 49.2	22	19 20	47.2		-21 13	26	9.5	23 18.2
25	19 55	13.2		-21 06	06	10.2	3 45.2	23	19 19	58.9		-21 13	48	9.5	23 13.4
26	19 55	10.7		-21 05	08	10.2	3 41.3	24	19 19	11.2		-21 14	10	9.5	23 08.7
27	19 55	06.8		-21 04	13	10.2	3 37.3	25	19 18	24.2		-21 14	30	9.6	23 04.0
28	19 55	01.3		-21 03	21	10.2	3 33.2	26	19 17	37.9		-21 14	48	9.6	22 59.3
29	19 54	54.3		-21 02	33	10.2	3 29.2	27	19 16	52.4		-21 15	05	9.6	22 54.7
30	19 54	45.7		-21 01	48	10.1	3 25.1	28	19 16	07.6		-21 15	21	9.6	22 50.0
31	19 54	35.7		-21 01	07	10.1	3 21.0	29	19 15	23.7		-21 15	36	9.7	22 45.4
June 1	19 54	24.1		-21 00	29	10.1	3 16.9	30	19 14	40.7		-21 15	49	9.7	22 40.7
2	19 54	11.1		-20 59	54	10.1	3 12.7	31	19 13	58.7		-21 16	00	9.7	22 36.1
3	19 53	56.6		-20 59	23	10.1	3 08.5	Aug. 1	19 13	17.6		-21 16	10	9.7	22 31.5
4	19 53	40.6		-20 58	55	10.1	3 04.3	2	19 12	37.5		-21 16	19	9.7	22 26.9
5	19 53	23.1		-20 58	31	10.0	3 00.1	3	19 11	58.5		-21 16	25	9.8	22 22.4
6	19 53	04.2		-20 58	09	10.0	2 55.9	4	19 11	20.7		-21 16	31	9.8	22 17.8
7	19 52	43.8		-20 57	51	10.0	2 51.6	5	19 10	43.9		-21 16	35	9.8	22 13.3
8	19 52	22.0		-20 57	36	10.0	2 47.3	6	19 10	08.3		-21 16	37	9.8	22 08.8
9	19 51	58.8		-20 57	23	10.0	2 43.0	7	19 09	33.9		-21 16	38	9.9	22 04.3
10	19 51	34.2		-20 57	14	9.9	2 38.6	8	19 09	00.7		-21 16	37	9.9	21 59.9
11	19 51	08.2		-20 57	07	9.9	2 34.3	9	19 08	28.8		-21 16	35	9.9	21 55.4
12	19 50	40.9		-20 57	04	9.9	2 29.9	10	19 07	58.1		-21 16	31	9.9	21 51.0
13	19 50	12.2		-20 57	03	9.9	2 25.5	11	19 07	28.7		-21 16	26	10.0	21 46.6
14	19 49	42.2		-20 57	05	9.9	2 21.1	12	19 07	00.6		-21 16	19	10.0	21 42.2
15	19 49	11.0		-20 57	09	9.8	2 16.6	13	19 06	33.8		-21 16	11	10.0	21 37.9
16	19 48	38.4		-20 57	15	9.8	2 12.1	14	19 06	08.4		-21 16	01	10.0	21 33.5
17	19 48	04.6		-20 57	25	9.8	2 07.6	15	19 05	44.4		-21 15	50	10.0	21 29.2
18	19 47	29.6		-20 57	36	9.8	2 03.1	16	19 05	21.7		-21 15	37	10.1	21 24.9
19	19 46	53.4		-20 57	50	9.8	1 58.6	17	19 05	00.4		-21 15	23	10.1	21 20.7
20	19 46	16.1		-20 58	05	9.7	1 54.0	18	19 04	40.6		-21 15	08	10.1	21 16.4
21	19 45	37.6		-20 58	23	9.7	1 49.5	19	19 04	22.2		-21 14	51	10.1	21 12.2
22	19 44	58.0		-20 58	43	9.7	1 44.9	20	19 04	05.2		-21 14	33	10.1	21 08.0
23	19 44	17.4		-20 59	04	9.7	1 40.3	21	19 03	49.6		-21 14	14	10.2	21 03.9
24	19 43	35.8		-20 59	27	9.7	1 35.7	22	19 03	35.6		-21 13	53	10.2	20 59.7
25	19 42	53.2		-20 59	52	9.6	1 31.0	23	19 03	23.0		-21 13	30	10.2	20 55.6
26	19 42	09.7		-21 00	18	9.6	1 26.4	24	19 03	11.9		-21 13	06	10.2	20 51.5
27	19 41	25.3		-21 00	45	9.6	1 21.7	25	19 03	02.3		-21 12	41	10.2	20 47.4
28	19 40	40.1		-21 01	14	9.6	1 17.0	26	19 02	54.1		-21 12	14	10.3	20 43.4
29	19 39	54.1		-21 01	43	9.6	1 12.3	27	19 02	47.5		-21 11	46	10.3	20 39.4
30	19 39	07.4		-21 02	14	9.5	1 07.6	28	19 02	42.3		-21 11	17	10.3	20 35.4
July 1	19 38	20.1		-21 02	45	9.5	1 02.9	29	19 02	38.6		-21 10	46	10.3	20 31.4
2	19 37	32.1		-21 03	17	9.5	0 58.2	30	19 02	36.4		-21 10	13	10.3	20 27.5
3	19 36	43.6		-21 03	50	9.5	0 53.4	Aug. 31	19 02	35.7		-21 09	39	10.4	20 23.5
4	19 35	54.5		-21 04	22	9.4	0 48.7	Sept. 1	19 02	36.5		-21 09	04	10.4	20 19.6
5	19 35	05.0		-21 04	56	9.4	0 43.9	2	19 02	38.8		-21 08	27	10.4	20 15.8
6	19 34	15.1		-21 05	29	9.4	0 39.2	3	19 02	42.5		-21 07	49	10.4	20 11.9
7	19 33	24.9		-21 06	02	9.4	0 34.4	4	19 02	47.6		-21 07	09	10.4	20 08.1
8	19 32	34.3		-21 06	36	9.3	0 29.6	5	19 02	54.2		-21 06	28	10.5	20 04.3
9	19 31	43.5		-21 07	09	9.3	0 24.9	6	19 03	02.2		-21 05	45	10.5	20 00.5
10	19 30	52.6		-21 07	42	9.3	0 20.1	7	19 03	11.7		-21 05	00	10.5	19 56.7
11	19 30	01.5		-21 08	14	9.2	0 15.3	8	19 03	22.6		-21 04	15	10.5	19 53.0
12	19 29	10.4		-21 08	46	9.2	0 10.5	9	19 03	34.8		-21 03	27	10.5	19 49.3
July 13	19 28	19.2		-21 09	18	9.2	0 05.8	Sept. 10	19 03	48.5		-21 02	38	10.6	19 45.6

Second transit for Hygiea 2006 July 14^d 23^h 56^m 2

GEOCENTRIC POSITIONS FOR 0^h TERRESTRIAL TIME

Date	Astrometric		Vis. Mag.	Ephem- eris Transit	Date	Astrometric		Vis. Mag.	Ephem- eris Transit
	R.A.	Dec.				R.A.	Dec.		
	h m s	° ' "				h m s	° ' "		
2006 June 1	21 01 24.0	-17 05 12	9.8	4 23.7	2006 July 30	20 31 21.1	-14 08 07	8.3	0 01.8
2	21 01 37.1	-17 00 28	9.8	4 20.0	31	20 30 18.8	-14 06 39	8.3	23 51.8
3	21 01 48.7	-16 55 47	9.7	4 16.3	Aug. 1	20 29 16.5	-14 05 12	8.4	23 46.9
4	21 01 58.8	-16 51 10	9.7	4 12.5	2	20 28 14.3	-14 03 47	8.4	23 41.9
5	21 02 07.4	-16 46 36	9.7	4 08.7	3	20 27 12.2	-14 02 23	8.4	23 37.0
6	21 02 14.5	-16 42 05	9.7	4 04.9	4	20 26 10.3	-14 01 01	8.4	23 32.0
7	21 02 20.0	-16 37 38	9.7	4 01.0	5	20 25 08.8	-13 59 39	8.4	23 27.1
8	21 02 23.9	-16 33 14	9.6	3 57.2	6	20 24 07.6	-13 58 19	8.4	23 22.1
9	21 02 26.3	-16 28 53	9.6	3 53.3	7	20 23 06.8	-13 56 59	8.5	23 17.2
June 10	21 02 27.1	-16 24 36	9.6	3 49.4	8	20 22 06.6	-13 55 40	8.5	23 12.3
11	21 02 26.3	-16 20 23	9.6	3 45.4	9	20 21 06.9	-13 54 23	8.5	23 07.4
12	21 02 23.9	-16 16 13	9.5	3 41.4	10	20 20 07.9	-13 53 06	8.5	23 02.5
13	21 02 19.9	-16 12 06	9.5	3 37.4	11	20 19 09.6	-13 51 49	8.5	22 57.6
14	21 02 14.3	-16 08 03	9.5	3 33.4	12	20 18 12.0	-13 50 33	8.6	22 52.7
15	21 02 07.0	-16 04 05	9.5	3 29.3	13	20 17 15.3	-13 49 18	8.6	22 47.9
16	21 01 58.1	-16 00 09	9.4	3 25.3	14	20 16 19.5	-13 48 03	8.6	22 43.0
17	21 01 47.5	-15 56 18	9.4	3 21.2	15	20 15 24.7	-13 46 49	8.6	22 38.2
18	21 01 35.3	-15 52 30	9.4	3 17.0	16	20 14 30.9	-13 45 35	8.6	22 33.4
19	21 01 21.4	-15 48 47	9.4	3 12.8	17	20 13 38.1	-13 44 21	8.7	22 28.6
20	21 01 05.9	-15 45 07	9.4	3 08.7	18	20 12 46.6	-13 43 08	8.7	22 23.8
21	21 00 48.7	-15 41 31	9.3	3 04.4	19	20 11 56.2	-13 41 55	8.7	22 19.1
22	21 00 29.8	-15 37 59	9.3	3 00.2	20	20 11 07.1	-13 40 41	8.7	22 14.4
23	21 00 09.2	-15 34 32	9.3	2 55.9	21	20 10 19.3	-13 39 28	8.7	22 09.6
24	20 59 47.0	-15 31 08	9.3	2 51.6	22	20 09 32.8	-13 38 15	8.8	22 05.0
25	20 59 23.1	-15 27 48	9.2	2 47.3	23	20 08 47.8	-13 37 01	8.8	22 00.3
26	20 58 57.6	-15 24 32	9.2	2 42.9	24	20 08 04.3	-13 35 48	8.8	21 55.7
27	20 58 30.4	-15 21 21	9.2	2 38.5	25	20 07 22.3	-13 34 33	8.8	21 51.1
28	20 58 01.6	-15 18 13	9.2	2 34.1	26	20 06 41.8	-13 33 19	8.8	21 46.5
29	20 57 31.2	-15 15 09	9.1	2 29.7	27	20 06 02.9	-13 32 04	8.9	21 41.9
30	20 56 59.2	-15 12 09	9.1	2 25.2	28	20 05 25.7	-13 30 48	8.9	21 37.4
July 1	20 56 25.6	-15 09 13	9.1	2 20.7	29	20 04 50.1	-13 29 32	8.9	21 32.9
2	20 55 50.5	-15 06 21	9.1	2 16.2	30	20 04 16.2	-13 28 15	8.9	21 28.5
3	20 55 13.8	-15 03 32	9.0	2 11.7	31	20 03 44.0	-13 26 57	8.9	21 24.0
4	20 54 35.7	-15 00 48	9.0	2 07.1	Sept. 1	20 03 13.5	-13 25 39	8.9	21 19.6
5	20 53 56.1	-14 58 07	9.0	2 02.5	2	20 02 44.9	-13 24 19	9.0	21 15.2
6	20 53 15.0	-14 55 29	9.0	1 57.9	3	20 02 18.0	-13 22 59	9.0	21 10.9
7	20 52 32.5	-14 52 56	8.9	1 53.3	4	20 01 52.9	-13 21 37	9.0	21 06.6
8	20 51 48.6	-14 50 25	8.9	1 48.6	5	20 01 29.6	-13 20 14	9.0	21 02.3
9	20 51 03.3	-14 47 59	8.9	1 43.9	6	20 01 08.1	-13 18 51	9.0	20 58.0
10	20 50 16.8	-14 45 35	8.9	1 39.2	7	20 00 48.5	-13 17 25	9.1	20 53.8
11	20 49 28.9	-14 43 15	8.8	1 34.5	8	20 00 30.7	-13 15 59	9.1	20 49.6
12	20 48 39.8	-14 40 59	8.8	1 29.7	9	20 00 14.7	-13 14 32	9.1	20 45.4
13	20 47 49.5	-14 38 45	8.8	1 25.0	10	20 00 00.6	-13 13 03	9.1	20 41.3
14	20 46 58.1	-14 36 35	8.7	1 20.2	11	19 59 48.4	-13 11 32	9.1	20 37.2
15	20 46 05.5	-14 34 28	8.7	1 15.4	12	19 59 38.0	-13 10 00	9.1	20 33.1
16	20 45 11.9	-14 32 24	8.7	1 10.6	13	19 59 29.4	-13 08 27	9.2	20 29.0
17	20 44 17.2	-14 30 23	8.7	1 05.7	14	19 59 22.7	-13 06 52	9.2	20 25.0
18	20 43 21.6	-14 28 25	8.6	1 00.9	15	19 59 17.9	-13 05 15	9.2	20 21.0
19	20 42 25.0	-14 26 30	8.6	0 56.0	16	19 59 14.9	-13 03 37	9.2	20 17.1
20	20 41 27.6	-14 24 38	8.6	0 51.1	Sept. 17	19 59 13.8	-13 01 57	9.2	20 13.1
21	20 40 29.4	-14 22 48	8.6	0 46.2	18	19 59 14.5	-13 00 15	9.2	20 09.3
22	20 39 30.5	-14 21 01	8.5	0 41.3	19	19 59 17.1	-12 58 31	9.3	20 05.4
23	20 38 30.9	-14 19 17	8.5	0 36.4	20	19 59 21.5	-12 56 45	9.3	20 01.6
24	20 37 30.7	-14 17 35	8.5	0 31.5	21	19 59 27.7	-12 54 56	9.3	19 57.8
25	20 36 30.0	-14 15 55	8.4	0 26.5	22	19 59 35.8	-12 53 06	9.3	19 54.0
26	20 35 28.8	-14 14 17	8.4	0 21.6	23	19 59 45.7	-12 51 13	9.3	19 50.2
27	20 34 27.3	-14 12 42	8.4	0 16.6	24	19 59 57.4	-12 49 18	9.3	19 46.5
28	20 33 25.4	-14 11 09	8.4	0 11.7	25	20 00 10.9	-12 47 20	9.4	19 42.8
29	20 32 23.3	-14 09 37	8.4	0 06.7	26	20 00 26.1	-12 45 19	9.4	19 39.2
July 30	20 31 21.1	-14 08 07	8.3	0 01.8	Sept. 27	20 00 43.2	-12 43 16	9.4	19 35.6

Second transit for Eunomia 2006 July 30^d 23^h 56^m8

EUROPA, 2006
GEOCENTRIC POSITIONS FOR 0^h TERRESTRIAL TIME

Date	Astrometric				Vis. Mag.	Ephem- eris Transit	Date	Astrometric				Vis. Mag.	Ephem- eris Transit	
	R.A.		Dec.					R.A.		Dec.				
	h	m	s	°				'	"	h	m			s
2006 Mar.	5	15 18	35.0	- 8 58	55	11.7	2006 May	3	14 56	45.4	- 5 28	11	10.8	0 14.0
	6	15 18	47.6	- 8 56	47	11.7		4	14 55	59.4	- 5 24	49	10.8	0 09.3
	7	15 18	58.9	- 8 54	34	11.7		5	14 55	13.3	- 5 21	33	10.8	0 04.7
	8	15 19	08.9	- 8 52	16	11.7		6	14 54	27.2	- 5 18	22	10.9	23 55.3
	9	15 19	17.6	- 8 49	52	11.7		7	14 53	41.2	- 5 15	16	10.9	23 50.6
	10	15 19	25.0	- 8 47	24	11.6		8	14 52	55.2	- 5 12	15	10.9	23 45.9
	11	15 19	31.1	- 8 44	51	11.6		9	14 52	09.4	- 5 09	20	10.9	23 41.2
	12	15 19	35.8	- 8 42	13	11.6		10	14 51	23.8	- 5 06	30	10.9	23 36.5
	13	15 19	39.3	- 8 39	31	11.6		11	14 50	38.4	- 5 03	46	10.9	23 31.8
	14	15 19	41.4	- 8 36	44	11.6		12	14 49	53.3	- 5 01	09	10.9	23 27.2
Mar.	15	15 19	42.2	- 8 33	52	11.6		13	14 49	08.4	- 4 58	37	10.9	23 22.5
	16	15 19	41.6	- 8 30	55	11.6		14	14 48	23.9	- 4 56	11	11.0	23 17.8
	17	15 19	39.8	- 8 27	54	11.5		15	14 47	39.9	- 4 53	52	11.0	23 13.2
	18	15 19	36.6	- 8 24	49	11.5		16	14 46	56.2	- 4 51	40	11.0	23 08.5
	19	15 19	32.0	- 8 21	40	11.5		17	14 46	13.0	- 4 49	34	11.0	23 03.9
	20	15 19	26.1	- 8 18	26	11.5		18	14 45	30.3	- 4 47	35	11.0	22 59.2
	21	15 19	18.9	- 8 15	09	11.5		19	14 44	48.2	- 4 45	43	11.0	22 54.6
	22	15 19	10.4	- 8 11	47	11.5		20	14 44	06.6	- 4 43	58	11.1	22 50.0
	23	15 19	00.5	- 8 08	21	11.4		21	14 43	25.7	- 4 42	19	11.1	22 45.4
	24	15 18	49.3	- 8 04	52	11.4		22	14 42	45.4	- 4 40	49	11.1	22 40.8
	25	15 18	36.7	- 8 01	20	11.4		23	14 42	05.8	- 4 39	25	11.1	22 36.3
	26	15 18	22.9	- 7 57	43	11.4		24	14 41	26.9	- 4 38	09	11.1	22 31.7
	27	15 18	07.7	- 7 54	04	11.4		25	14 40	48.8	- 4 37	00	11.2	22 27.1
	28	15 17	51.3	- 7 50	21	11.4		26	14 40	11.4	- 4 35	58	11.2	22 22.6
	29	15 17	33.5	- 7 46	35	11.3		27	14 39	34.9	- 4 35	05	11.2	22 18.1
	30	15 17	14.5	- 7 42	46	11.3		28	14 38	59.3	- 4 34	19	11.2	22 13.6
	31	15 16	54.2	- 7 38	55	11.3		29	14 38	24.5	- 4 33	40	11.2	22 09.1
Apr.	1	15 16	32.6	- 7 35	01	11.3		30	14 37	50.7	- 4 33	10	11.3	22 04.6
	2	15 16	09.9	- 7 31	05	11.3		31	14 37	17.8	- 4 32	47	11.3	22 00.1
	3	15 15	45.9	- 7 27	07	11.3		June 1	14 36	45.8	- 4 32	31	11.3	21 55.7
	4	15 15	20.8	- 7 23	07	11.3		2	14 36	14.9	- 4 32	24	11.3	21 51.3
	5	15 14	54.5	- 7 19	05	11.2		3	14 35	44.9	- 4 32	24	11.3	21 46.8
	6	15 14	27.0	- 7 15	02	11.2		4	14 35	16.0	- 4 32	32	11.3	21 42.4
	7	15 13	58.4	- 7 10	57	11.2		5	14 34	48.1	- 4 32	48	11.4	21 38.1
	8	15 13	28.8	- 7 06	51	11.2		6	14 34	21.3	- 4 33	11	11.4	21 33.7
	9	15 12	58.1	- 7 02	44	11.2		7	14 33	55.5	- 4 33	42	11.4	21 29.4
	10	15 12	26.3	- 6 58	36	11.2		8	14 33	30.9	- 4 34	20	11.4	21 25.0
	11	15 11	53.5	- 6 54	28	11.1		9	14 33	07.3	- 4 35	06	11.4	21 20.7
	12	15 11	19.8	- 6 50	19	11.1		10	14 32	44.9	- 4 36	00	11.5	21 16.4
	13	15 10	45.1	- 6 46	10	11.1		11	14 32	23.5	- 4 37	00	11.5	21 12.2
	14	15 10	09.5	- 6 42	01	11.1		12	14 32	03.3	- 4 38	08	11.5	21 07.9
	15	15 09	32.9	- 6 37	52	11.1		13	14 31	44.3	- 4 39	24	11.5	21 03.7
	16	15 08	55.6	- 6 33	44	11.1		14	14 31	26.4	- 4 40	46	11.5	20 59.5
	17	15 08	17.4	- 6 29	37	11.0		15	14 31	09.6	- 4 42	16	11.5	20 55.3
	18	15 07	38.4	- 6 25	30	11.0		16	14 30	54.0	- 4 43	53	11.6	20 51.1
	19	15 06	58.6	- 6 21	24	11.0		17	14 30	39.5	- 4 45	37	11.6	20 47.0
	20	15 06	18.1	- 6 17	20	11.0		18	14 30	26.2	- 4 47	28	11.6	20 42.8
	21	15 05	37.0	- 6 13	17	11.0		19	14 30	14.1	- 4 49	25	11.6	20 38.7
	22	15 04	55.2	- 6 09	16	11.0		20	14 30	03.2	- 4 51	30	11.6	20 34.6
	23	15 04	12.8	- 6 05	17	10.9		21	14 29	53.4	- 4 53	41	11.6	20 30.5
	24	15 03	29.8	- 6 01	20	10.9		22	14 29	44.9	- 4 55	59	11.7	20 26.5
	25	15 02	46.3	- 5 57	26	10.9		23	14 29	37.5	- 4 58	24	11.7	20 22.4
	26	15 02	02.4	- 5 53	34	10.9		24	14 29	31.3	- 5 00	55	11.7	20 18.4
	27	15 01	18.0	- 5 49	46	10.9		25	14 29	26.2	- 5 03	32	11.7	20 14.4
	28	15 00	33.2	- 5 46	00	10.9		26	14 29	22.4	- 5 06	16	11.7	20 10.4
	29	14 59	48.1	- 5 42	19	10.9		27	14 29	19.8	- 5 09	06	11.7	20 06.5
	30	14 59	02.8	- 5 38	40	10.9		June 28	14 29	18.3	- 5 12	02	11.8	20 02.6
May	1	14 58	17.1	- 5 35	06	10.9		29	14 29	18.0	- 5 15	05	11.8	19 58.6
	2	14 57	31.3	- 5 31	36	10.8		30	14 29	18.9	- 5 18	13	11.8	19 54.7
May	3	14 56	45.4	- 5 28	11	10.8		July 1	14 29	21.0	- 5 21	27	11.8	19 50.8

Second transit for Europa 2006 May 5^d 24^h 00^m0

CYBELE, 2006

G15

GEOCENTRIC POSITIONS FOR 0^h TERRESTRIAL TIME

Date	Astrometric					Vis. Mag.	Ephem- eris Transit	Date	Astrometric					Vis. Mag.	Ephem- eris Transit	
	R.A.			Dec.					R.A.			Dec.				
	h	m	s	°	'				"	h	m	s	°			'
2005 Nov. 22	8	31	23.7	+15	58	30	13.0	2006 Jan. 20	8	06	05.6	+17	22	58	11.8	0 09.5
23	8	31	28.1	+15	57	54	13.0	21	8	05	19.7	+17	25	50	11.8	0 04.8
24	8	31	31.4	+15	57	23	12.9	22	8	04	33.9	+17	28	43	11.8	0 00.1
25	8	31	33.5	+15	56	55	12.9	23	8	03	48.1	+17	31	35	11.8	23 50.7
Nov. 26	8	31	34.5	+15	56	32	12.9	24	8	03	02.4	+17	34	28	11.9	23 46.0
27	8	31	34.3	+15	56	14	12.9	25	8	02	16.8	+17	37	21	11.9	23 41.4
28	8	31	33.0	+15	56	00	12.9	26	8	01	31.4	+17	40	14	11.9	23 36.7
29	8	31	30.5	+15	55	51	12.9	27	8	00	46.2	+17	43	06	11.9	23 32.0
30	8	31	26.8	+15	55	46	12.9	28	8	00	01.3	+17	45	58	12.0	23 27.3
Dec. 1	8	31	22.0	+15	55	46	12.8	29	7	59	16.6	+17	48	50	12.0	23 22.7
2	8	31	16.0	+15	55	50	12.8	30	7	58	32.3	+17	51	41	12.0	23 18.0
3	8	31	08.8	+15	55	59	12.8	31	7	57	48.4	+17	54	31	12.0	23 13.4
4	8	31	00.5	+15	56	13	12.8	Feb. 1	7	57	04.9	+17	57	20	12.1	23 08.7
5	8	30	51.0	+15	56	32	12.8	2	7	56	21.9	+18	00	09	12.1	23 04.1
6	8	30	40.4	+15	56	55	12.8	3	7	55	39.4	+18	02	56	12.1	22 59.5
7	8	30	28.6	+15	57	23	12.7	4	7	54	57.4	+18	05	42	12.1	22 54.8
8	8	30	15.6	+15	57	55	12.7	5	7	54	16.0	+18	08	26	12.1	22 50.2
9	8	30	01.5	+15	58	33	12.7	6	7	53	35.3	+18	11	09	12.2	22 45.6
10	8	29	46.2	+15	59	15	12.7	7	7	52	55.2	+18	13	50	12.2	22 41.0
11	8	29	29.8	+16	00	01	12.7	8	7	52	15.8	+18	16	30	12.2	22 36.5
12	8	29	12.3	+16	00	53	12.7	9	7	51	37.1	+18	19	08	12.2	22 31.9
13	8	28	53.6	+16	01	48	12.6	10	7	50	59.2	+18	21	44	12.2	22 27.4
14	8	28	33.9	+16	02	49	12.6	11	7	50	22.1	+18	24	18	12.3	22 22.8
15	8	28	13.0	+16	03	54	12.6	12	7	49	45.8	+18	26	50	12.3	22 18.3
16	8	27	51.0	+16	05	03	12.6	13	7	49	10.3	+18	29	20	12.3	22 13.8
17	8	27	28.0	+16	06	17	12.6	14	7	48	35.7	+18	31	48	12.3	22 09.3
18	8	27	03.8	+16	07	35	12.5	15	7	48	02.0	+18	34	14	12.3	22 04.8
19	8	26	38.6	+16	08	58	12.5	16	7	47	29.2	+18	36	38	12.4	22 00.4
20	8	26	12.4	+16	10	25	12.5	17	7	46	57.4	+18	38	59	12.4	21 55.9
21	8	25	45.1	+16	11	57	12.5	18	7	46	26.5	+18	41	18	12.4	21 51.5
22	8	25	16.7	+16	13	32	12.5	19	7	45	56.6	+18	43	34	12.4	21 47.1
23	8	24	47.4	+16	15	12	12.4	20	7	45	27.8	+18	45	48	12.4	21 42.7
24	8	24	17.1	+16	16	56	12.4	21	7	45	00.0	+18	47	59	12.5	21 38.3
25	8	23	45.8	+16	18	44	12.4	22	7	44	33.2	+18	50	08	12.5	21 34.0
26	8	23	13.6	+16	20	35	12.4	23	7	44	07.5	+18	52	14	12.5	21 29.6
27	8	22	40.4	+16	22	31	12.4	24	7	43	42.9	+18	54	18	12.5	21 25.3
28	8	22	06.3	+16	24	31	12.3	25	7	43	19.4	+18	56	18	12.5	21 21.0
29	8	21	31.4	+16	26	34	12.3	26	7	42	57.0	+18	58	16	12.5	21 16.7
30	8	20	55.5	+16	28	40	12.3	27	7	42	35.8	+19	00	12	12.6	21 12.4
31	8	20	18.9	+16	30	51	12.3	28	7	42	15.7	+19	02	04	12.6	21 08.2
2006 Jan. 1	8	19	41.5	+16	33	04	12.3	Mar. 1	7	41	56.8	+19	03	54	12.6	21 04.0
2	8	19	03.3	+16	35	21	12.2	2	7	41	39.1	+19	05	41	12.6	20 59.8
3	8	18	24.4	+16	37	41	12.2	3	7	41	22.6	+19	07	24	12.6	20 55.6
4	8	17	44.7	+16	40	04	12.2	4	7	41	07.2	+19	09	05	12.6	20 51.4
5	8	17	04.4	+16	42	29	12.2	5	7	40	53.1	+19	10	43	12.7	20 47.2
6	8	16	23.5	+16	44	57	12.1	6	7	40	40.2	+19	12	18	12.7	20 43.1
7	8	15	42.0	+16	47	28	12.1	7	7	40	28.5	+19	13	50	12.7	20 39.0
8	8	15	00.0	+16	50	02	12.1	8	7	40	18.0	+19	15	19	12.7	20 34.9
9	8	14	17.4	+16	52	37	12.1	9	7	40	08.7	+19	16	45	12.7	20 30.9
10	8	13	34.3	+16	55	15	12.0	10	7	40	00.7	+19	18	08	12.7	20 26.8
11	8	12	50.8	+16	57	55	12.0	11	7	39	53.8	+19	19	28	12.8	20 22.8
12	8	12	06.9	+17	00	36	12.0	12	7	39	48.2	+19	20	45	12.8	20 18.8
13	8	11	22.6	+17	03	19	12.0	13	7	39	43.8	+19	21	59	12.8	20 14.8
14	8	10	38.0	+17	06	04	11.9	14	7	39	40.6	+19	23	09	12.8	20 10.8
15	8	09	53.1	+17	08	51	11.9	15	7	39	38.6	+19	24	17	12.8	20 06.9
16	8	09	07.9	+17	11	38	11.9	Mar. 16	7	39	37.8	+19	25	22	12.8	20 02.9
17	8	08	22.5	+17	14	27	11.8	17	7	39	38.2	+19	26	23	12.8	19 59.0
18	8	07	37.0	+17	17	17	11.8	18	7	39	39.8	+19	27	22	12.9	19 55.1
19	8	06	51.3	+17	20	07	11.8	19	7	39	42.6	+19	28	17	12.9	19 51.3
Jan. 20	8	06	05.6	+17	22	58	11.8	Mar. 20	7	39	46.6	+19	29	09	12.9	19 47.4

Second transit for Cybele 2006 January 22^d 23^h 55^m4

DAVIDA, 2006
GEOCENTRIC POSITIONS FOR 0^h TERRESTRIAL TIME

Date	Astrometric					Vis. Mag.	Ephem- eris Transit	Date	Astrometric					Vis. Mag.	Ephem- eris Transit
	R.A.			Dec.					R.A.			Dec.			
	h	m	s	°	'				"	h	m	s	°		
2006 June	2	21 14 31.7	-20 24 40	12.2	4 32.9		2006 July	31	20 51 03.9	-25 52 27	11.2	0 17.5			
	3	21 14 38.8	-20 27 58	12.2	4 29.1		Aug.	1	20 50 16.7	-25 58 34	11.2	0 12.8			
	4	21 14 44.8	-20 31 23	12.2	4 25.2		2	20 49 29.5	-26 04 38	11.2	0 08.1				
	5	21 14 49.7	-20 34 53	12.2	4 21.4		3	20 48 42.1	-26 10 37	11.2	0 03.4				
	6	21 14 53.5	-20 38 30	12.2	4 17.5		4	20 47 54.6	-26 16 32	11.3	23 53.9				
	7	21 14 56.1	-20 42 14	12.2	4 13.6		5	20 47 07.2	-26 22 22	11.3	23 49.2				
June	8	21 14 57.7	-20 46 03	12.1	4 09.7		6	20 46 19.8	-26 28 08	11.3	23 44.5				
	9	21 14 58.1	-20 49 59	12.1	4 05.8		7	20 45 32.4	-26 33 48	11.3	23 39.8				
	10	21 14 57.4	-20 54 01	12.1	4 01.8		8	20 44 45.1	-26 39 24	11.3	23 35.1				
	11	21 14 55.5	-20 58 09	12.1	3 57.9		9	20 43 58.1	-26 44 54	11.3	23 30.4				
	12	21 14 52.5	-21 02 23	12.1	3 53.9		10	20 43 11.2	-26 50 18	11.3	23 25.7				
	13	21 14 48.3	-21 06 44	12.1	3 49.9		11	20 42 24.5	-26 55 37	11.4	23 21.0				
	14	21 14 43.0	-21 11 10	12.0	3 45.9		12	20 41 38.1	-27 00 50	11.4	23 16.3				
	15	21 14 36.6	-21 15 43	12.0	3 41.8		13	20 40 52.1	-27 05 57	11.4	23 11.6				
	16	21 14 28.9	-21 20 21	12.0	3 37.8		14	20 40 06.4	-27 10 58	11.4	23 06.9				
	17	21 14 20.2	-21 25 06	12.0	3 33.7		15	20 39 21.1	-27 15 53	11.4	23 02.2				
	18	21 14 10.2	-21 29 56	12.0	3 29.6		16	20 38 36.3	-27 20 41	11.4	22 57.6				
	19	21 13 59.1	-21 34 52	12.0	3 25.5		17	20 37 51.9	-27 25 23	11.4	22 52.9				
	20	21 13 46.8	-21 39 54	11.9	3 21.3		18	20 37 08.1	-27 29 58	11.5	22 48.3				
	21	21 13 33.4	-21 45 02	11.9	3 17.2		19	20 36 24.9	-27 34 26	11.5	22 43.6				
	22	21 13 18.8	-21 50 15	11.9	3 13.0		20	20 35 42.3	-27 38 48	11.5	22 39.0				
	23	21 13 03.0	-21 55 33	11.9	3 08.8		21	20 35 00.4	-27 43 02	11.5	22 34.4				
	24	21 12 46.1	-22 00 57	11.9	3 04.6		22	20 34 19.1	-27 47 10	11.5	22 29.8				
	25	21 12 28.0	-22 06 25	11.9	3 00.3		23	20 33 38.6	-27 51 10	11.5	22 25.2				
	26	21 12 08.7	-22 11 59	11.8	2 56.1		24	20 32 58.9	-27 55 03	11.6	22 20.6				
	27	21 11 48.4	-22 17 38	11.8	2 51.8		25	20 32 20.0	-27 58 49	11.6	22 16.0				
	28	21 11 26.9	-22 23 21	11.8	2 47.5		26	20 31 41.9	-28 02 27	11.6	22 11.5				
	29	21 11 04.3	-22 29 09	11.8	2 43.2		27	20 31 04.7	-28 05 59	11.6	22 07.0				
	30	21 10 40.6	-22 35 01	11.8	2 38.9		28	20 30 28.5	-28 09 23	11.6	22 02.4				
July	1	21 10 15.7	-22 40 57	11.8	2 34.6		29	20 29 53.2	-28 12 39	11.6	21 57.9				
	2	21 09 49.9	-22 46 58	11.7	2 30.2		30	20 29 18.8	-28 15 48	11.7	21 53.4				
	3	21 09 22.9	-22 53 01	11.7	2 25.8		31	20 28 45.5	-28 18 50	11.7	21 49.0				
	4	21 08 54.9	-22 59 09	11.7	2 21.4		Sept. 1	20 28 13.2	-28 21 45	11.7	21 44.5				
	5	21 08 25.9	-23 05 20	11.7	2 17.0		2	20 27 42.0	-28 24 32	11.7	21 40.1				
	6	21 07 55.8	-23 11 34	11.7	2 12.6		3	20 27 11.9	-28 27 12	11.7	21 35.7				
	7	21 07 24.8	-23 17 51	11.6	2 08.1		4	20 26 42.8	-28 29 45	11.7	21 31.3				
	8	21 06 52.7	-23 24 10	11.6	2 03.7		5	20 26 14.9	-28 32 10	11.7	21 26.9				
	9	21 06 19.7	-23 30 32	11.6	1 59.2		6	20 25 48.2	-28 34 28	11.8	21 22.6				
	10	21 05 45.8	-23 36 56	11.6	1 54.7		7	20 25 22.6	-28 36 39	11.8	21 18.2				
	11	21 05 11.0	-23 43 23	11.6	1 50.2		8	20 24 58.1	-28 38 44	11.8	21 13.9				
	12	21 04 35.2	-23 49 51	11.5	1 45.7		9	20 24 34.9	-28 40 41	11.8	21 09.6				
	13	21 03 58.6	-23 56 20	11.5	1 41.1		10	20 24 12.9	-28 42 31	11.8	21 05.3				
	14	21 03 21.1	-24 02 51	11.5	1 36.6		11	20 23 52.0	-28 44 14	11.8	21 01.1				
	15	21 02 42.8	-24 09 22	11.5	1 32.0		12	20 23 32.5	-28 45 50	11.8	20 56.8				
	16	21 02 03.7	-24 15 55	11.5	1 27.4		13	20 23 14.1	-28 47 20	11.9	20 52.6				
	17	21 01 23.9	-24 22 28	11.5	1 22.8		14	20 22 57.1	-28 48 43	11.9	20 48.4				
	18	21 00 43.3	-24 29 01	11.4	1 18.2		15	20 22 41.3	-28 49 59	11.9	20 44.2				
	19	21 00 01.9	-24 35 34	11.4	1 13.6		16	20 22 26.8	-28 51 09	11.9	20 40.1				
	20	20 59 19.9	-24 42 07	11.4	1 09.0		17	20 22 13.5	-28 52 12	11.9	20 35.9				
	21	20 58 37.3	-24 48 39	11.4	1 04.3		18	20 22 01.6	-28 53 09	11.9	20 31.8				
	22	20 57 54.0	-24 55 11	11.4	0 59.7		19	20 21 51.0	-28 53 59	11.9	20 27.7				
	23	20 57 10.2	-25 01 41	11.3	0 55.0		20	20 21 41.7	-28 54 43	12.0	20 23.7				
	24	20 56 25.9	-25 08 10	11.3	0 50.4		21	20 21 33.7	-28 55 21	12.0	20 19.6				
	25	20 55 41.0	-25 14 37	11.3	0 45.7		22	20 21 27.1	-28 55 52	12.0	20 15.6				
	26	20 54 55.7	-25 21 02	11.3	0 41.0		23	20 21 21.7	-28 56 18	12.0	20 11.6				
	27	20 54 10.0	-25 27 25	11.3	0 36.3		24	20 21 17.7	-28 56 37	12.0	20 07.6				
	28	20 53 23.9	-25 33 45	11.3	0 31.6		25	20 21 15.1	-28 56 51	12.0	20 03.7				
	29	20 52 37.5	-25 40 02	11.2	0 26.9		Sept. 26	20 21 13.7	-28 56 58	12.0	19 59.7				
	30	20 51 50.8	-25 46 16	11.2	0 22.2		27	20 21 13.7	-28 57 00	12.0	19 55.8				
July	31	20 51 03.9	-25 52 27	11.2	0 17.5		Sept. 28	20 21 15.0	-28 56 56	12.1	19 51.9				

Second transit for Davida 2006 August 3^d 23^h 58^m7

INTERAMNIA, 2006
GEOCENTRIC POSITIONS FOR 0^h TERRESTRIAL TIME

G17

Date	Astrometric				Vis. Mag.	Ephem- eris Transit	Date	Astrometric				Vis. Mag.	Ephem- eris Transit
	R.A.		Dec.					R.A.		Dec.			
	h	m s	°	' "				h	m s	°	' "		
2006 June 27	22 16 37.3	+ 4 13 52	11-0	3 56-5	2006 Aug. 25	21 44 45-0	+ 9 22 44	10-0	23 27-9				
28	22 16 39.7	+ 4 23 19	11-0	3 52-6	26	21 43 52-6	+ 9 22 11	10-0	23 23-1				
June 29	22 16 40.8	+ 4 32 40	11-0	3 48-6	27	21 43 00-5	+ 9 21 27	10-0	23 18-3				
30	22 16 40-6	+ 4 41 57	11-0	3 44-7	28	21 42 08-8	+ 9 20 31	10-0	23 13-5				
July 1	22 16 39-0	+ 4 51 07	11-0	3 40-7	29	21 41 17-6	+ 9 19 25	10-0	23 08-8				
2	22 16 36-0	+ 5 00 13	10-9	3 36-8	30	21 40 26-8	+ 9 18 07	10-0	23 04-0				
3	22 16 31-7	+ 5 09 12	10-9	3 32-8	31	21 39 36-6	+ 9 16 39	10-0	22 59-3				
4	22 16 26-0	+ 5 18 06	10-9	3 28-7	Sept. 1	21 38 47-0	+ 9 15 00	10-0	22 54-5				
5	22 16 19-0	+ 5 26 54	10-9	3 24-7	2	21 37 58-0	+ 9 13 12	10-0	22 49-8				
6	22 16 10-5	+ 5 35 35	10-9	3 20-6	3	21 37 09-8	+ 9 11 14	10-0	22 45-1				
7	22 16 00-7	+ 5 44 10	10-8	3 16-5	4	21 36 22-3	+ 9 09 07	10-0	22 40-4				
8	22 15 49-6	+ 5 52 38	10-8	3 12-4	5	21 35 35-7	+ 9 06 50	10-1	22 35-7				
9	22 15 37-0	+ 6 01 00	10-8	3 08-2	6	21 34 49-9	+ 9 04 25	10-1	22 31-0				
10	22 15 23-1	+ 6 09 14	10-8	3 04-1	7	21 34 05-1	+ 9 01 52	10-1	22 26-3				
11	22 15 07-8	+ 6 17 21	10-7	2 59-9	8	21 33 21-2	+ 8 59 11	10-1	22 21-7				
12	22 14 51-1	+ 6 25 20	10-7	2 55-7	9	21 32 38-2	+ 8 56 22	10-1	22 17-1				
13	22 14 33-1	+ 6 33 12	10-7	2 51-4	10	21 31 56-4	+ 8 53 26	10-1	22 12-4				
14	22 14 13-7	+ 6 40 56	10-7	2 47-2	11	21 31 15-6	+ 8 50 22	10-1	22 07-9				
15	22 13 52-9	+ 6 48 31	10-7	2 42-9	12	21 30 36-0	+ 8 47 13	10-2	22 03-3				
16	22 13 30-8	+ 6 55 59	10-6	2 38-6	13	21 29 57-5	+ 8 43 56	10-2	21 58-7				
17	22 13 07-3	+ 7 03 17	10-6	2 34-3	14	21 29 20-2	+ 8 40 34	10-2	21 54-2				
18	22 12 42-5	+ 7 10 27	10-6	2 29-9	15	21 28 44-1	+ 8 37 06	10-2	21 49-7				
19	22 12 16-3	+ 7 17 27	10-6	2 25-6	16	21 28 09-4	+ 8 33 34	10-2	21 45-2				
20	22 11 48-8	+ 7 24 18	10-6	2 21-2	17	21 27 35-9	+ 8 29 56	10-2	21 40-7				
21	22 11 19-9	+ 7 30 59	10-5	2 16-8	18	21 27 03-8	+ 8 26 14	10-3	21 36-3				
22	22 10 49-8	+ 7 37 31	10-5	2 12-3	19	21 26 33-1	+ 8 22 28	10-3	21 31-9				
23	22 10 18-4	+ 7 43 52	10-5	2 07-9	20	21 26 03-8	+ 8 18 38	10-3	21 27-5				
24	22 09 45-7	+ 7 50 03	10-5	2 03-4	21	21 25 35-9	+ 8 14 45	10-3	21 23-1				
25	22 09 11-8	+ 7 56 03	10-4	1 58-9	22	21 25 09-4	+ 8 10 50	10-3	21 18-8				
26	22 08 36-7	+ 8 01 53	10-4	1 54-4	23	21 24 44-5	+ 8 06 51	10-3	21 14-4				
27	22 08 00-4	+ 8 07 32	10-4	1 49-9	24	21 24 21-0	+ 8 02 51	10-4	21 10-1				
28	22 07 23-0	+ 8 12 59	10-4	1 45-3	25	21 23 59-1	+ 7 58 50	10-4	21 05-9				
29	22 06 44-4	+ 8 18 15	10-4	1 40-7	26	21 23 38-8	+ 7 54 47	10-4	21 01-6				
30	22 06 04-7	+ 8 23 20	10-3	1 36-1	27	21 23 19-9	+ 7 50 43	10-4	20 57-4				
31	22 05 24-0	+ 8 28 13	10-3	1 31-5	28	21 23 02-7	+ 7 46 38	10-4	20 53-2				
Aug. 1	22 04 42-2	+ 8 32 55	10-3	1 26-9	29	21 22 47-0	+ 7 42 34	10-5	20 49-0				
2	22 03 59-4	+ 8 37 24	10-3	1 22-3	30	21 22 33-0	+ 7 38 29	10-5	20 44-9				
3	22 03 15-7	+ 8 41 41	10-3	1 17-6	Oct. 1	21 22 20-5	+ 7 34 26	10-5	20 40-8				
4	22 02 31-1	+ 8 45 46	10-2	1 12-9	2	21 22 09-6	+ 7 30 23	10-5	20 36-7				
5	22 01 45-6	+ 8 49 39	10-2	1 08-3	3	21 22 00-3	+ 7 26 21	10-5	20 32-6				
6	22 00 59-3	+ 8 53 20	10-2	1 03-6	4	21 21 52-7	+ 7 22 21	10-6	20 28-6				
7	22 00 12-2	+ 8 56 48	10-2	0 58-8	5	21 21 46-6	+ 7 18 22	10-6	20 24-6				
8	21 59 24-3	+ 9 00 03	10-2	0 54-1	6	21 21 42-1	+ 7 14 26	10-6	20 20-6				
9	21 58 35-7	+ 9 03 06	10-1	0 49-4	7	21 21 39-3	+ 7 10 32	10-6	20 16-6				
10	21 57 46-5	+ 9 05 56	10-1	0 44-6	Oct. 8	21 21 38-0	+ 7 06 40	10-6	20 12-7				
11	21 56 56-7	+ 9 08 33	10-1	0 39-9	9	21 21 38-4	+ 7 02 51	10-6	20 08-8				
12	21 56 06-3	+ 9 10 57	10-1	0 35-1	10	21 21 40-3	+ 6 59 05	10-7	20 04-9				
13	21 55 15-5	+ 9 13 09	10-1	0 30-3	11	21 21 43-8	+ 6 55 23	10-7	20 01-1				
14	21 54 24-1	+ 9 15 07	10-1	0 25-6	12	21 21 48-9	+ 6 51 43	10-7	19 57-2				
15	21 53 32-3	+ 9 16 53	10-0	0 20-8	13	21 21 55-5	+ 6 48 08	10-7	19 53-4				
16	21 52 40-2	+ 9 18 25	10-0	0 16-0	14	21 22 03-7	+ 6 44 36	10-7	19 49-7				
17	21 51 47-8	+ 9 19 45	10-0	0 11-2	15	21 22 13-5	+ 6 41 09	10-7	19 45-9				
18	21 50 55-2	+ 9 20 52	10-0	0 06-4	16	21 22 24-9	+ 6 37 46	10-8	19 42-2				
19	21 50 02-3	+ 9 21 45	10-0	0 01-6	17	21 22 37-8	+ 6 34 27	10-8	19 38-5				
20	21 49 09-4	+ 9 22 26	10-0	23 51-9	18	21 22 52-2	+ 6 31 14	10-8	19 34-8				
21	21 48 16-4	+ 9 22 55	10-0	23 47-1	19	21 23 08-2	+ 6 28 05	10-8	19 31-2				
22	21 47 23-4	+ 9 23 10	10-0	23 42-3	20	21 23 25-7	+ 6 25 01	10-8	19 27-6				
23	21 46 30-4	+ 9 23 14	10-0	23 37-5	21	21 23 44-7	+ 6 22 03	10-8	19 24-0				
24	21 45 37-6	+ 9 23 05	10-0	23 32-7	22	21 24 05-2	+ 6 19 11	10-9	19 20-4				
Aug. 25	21 44 45-0	+ 9 22 44	10-0	23 27-9	Oct. 23	21 24 27-1	+ 6 16 24	10-9	19 16-9				

Second transit for Interamnia 2006 August 19^d 23^h 56^m7