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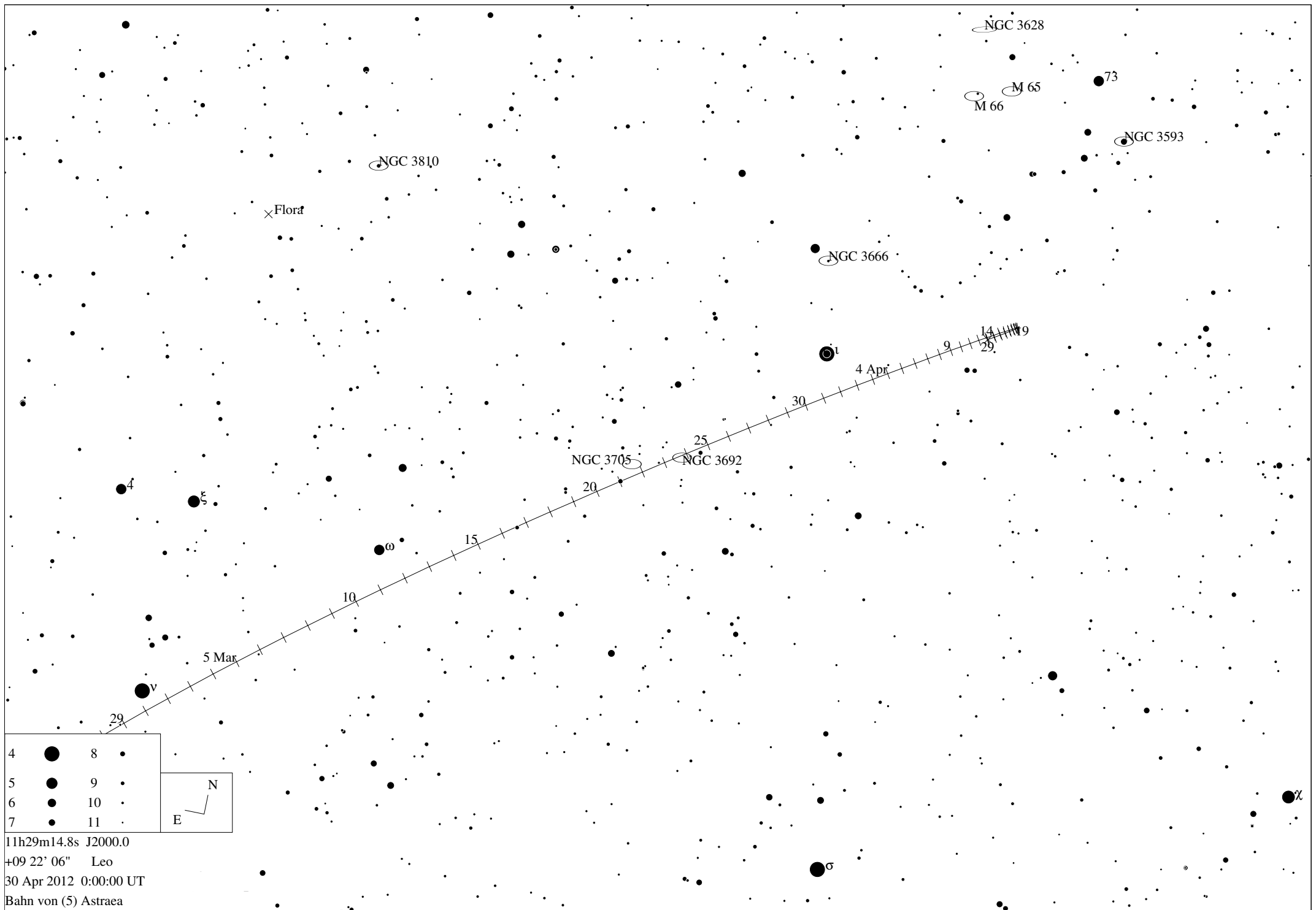
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## Ephemeride des Kleinplaneten (5) Astraea

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA
15 Jan 2012	11h49m15.24s	+02 40' 08.6"	2.0905	1.4447	10.4	117.6	24.7	25.71	122.22	21.89	91.2 Vir
16 Jan 2012	11h49m50.67s	+02 40' 03.2"	2.0910	1.4350	10.4	118.5	24.4	26.15	123.02	20.84	89.7 Vir
17 Jan 2012	11h50m24.43s	+02 40' 11.1"	2.0914	1.4254	10.4	119.3	24.2	26.58	123.83	19.78	88.1 Vir
18 Jan 2012	11h50m56.49s	+02 40' 32.6"	2.0918	1.4159	10.3	120.2	24.0	27.02	124.64	18.73	86.3 Vir
19 Jan 2012	11h51m26.84s	+02 41' 07.7"	2.0923	1.4065	10.3	121.1	23.7	27.47	125.47	17.68	84.2 Vir
20 Jan 2012	11h51m55.44s	+02 41' 56.5"	2.0928	1.3971	10.3	122.1	23.5	27.91	126.31	16.65	81.8 Vir
21 Jan 2012	11h52m22.28s	+02 42' 59.2"	2.0932	1.3879	10.3	123.0	23.2	28.36	127.16	15.64	79.2 Vir
22 Jan 2012	11h52m47.34s	+02 44' 15.8"	2.0937	1.3788	10.2	123.9	23.0	28.81	128.02	14.66	76.1 Vir
23 Jan 2012	11h53m10.60s	+02 45' 46.4"	2.0942	1.3698	10.2	124.8	22.7	29.26	128.90	13.72	72.6 Vir
24 Jan 2012	11h53m32.05s	+02 47' 31.1"	2.0948	1.3610	10.2	125.8	22.4	29.71	129.78	12.83	68.5 Vir
25 Jan 2012	11h53m51.67s	+02 49' 30.0"	2.0953	1.3522	10.2	126.7	22.1	30.16	130.69	12.00	63.9 Vir
26 Jan 2012	11h54m09.45s	+02 51' 42.9"	2.0958	1.3436	10.2	127.7	21.8	30.62	131.60	11.26	58.6 Vir
27 Jan 2012	11h54m25.39s	+02 54' 10.0"	2.0964	1.3351	10.1	128.7	21.5	31.08	132.53	10.63	52.6 Vir
28 Jan 2012	11h54m39.47s	+02 56' 51.3"	2.0970	1.3267	10.1	129.7	21.2	31.54	133.47	10.12	45.8 Vir
29 Jan 2012	11h54m51.68s	+02 59' 46.7"	2.0976	1.3185	10.1	130.6	20.9	31.99	134.43	9.77	38.5 Vir
30 Jan 2012	11h55m02.02s	+03 02' 56.2"	2.0981	1.3104	10.1	131.6	20.5	32.45	135.40	9.58	30.7 Vir
31 Jan 2012	11h55m10.48s	+03 06' 19.8"	2.0988	1.3024	10.0	132.6	20.2	32.91	136.39	9.56	22.8 Vir
1 Feb 2012	11h55m17.06s	+03 09' 57.4"	2.0994	1.2946	10.0	133.6	19.9	33.37	137.40	9.73	15.0 Vir
2 Feb 2012	11h55m21.76s	+03 13' 48.9"	2.1000	1.2869	10.0	134.7	19.5	33.83	138.42	10.06	7.6 Vir
3 Feb 2012	11h55m24.57s	+03 17' 54.4"	2.1006	1.2794	10.0	135.7	19.1	34.28	139.46	10.55	0.8 Vir
4 Feb 2012	11h55m25.50s	+03 22' 13.5"	2.1013	1.2721	9.9	136.7	18.8	34.74	140.52	11.17	354.6 Vir
5 Feb 2012	11h55m24.55s	+03 26' 46.4"	2.1020	1.2649	9.9	137.8	18.4	35.19	141.59	11.90	349.2 Vir
6 Feb 2012	11h55m21.72s	+03 31' 32.8"	2.1026	1.2579	9.9	138.8	18.0	35.64	142.69	12.72	344.4 Vir
7 Feb 2012	11h55m17.02s	+03 36' 32.5"	2.1033	1.2510	9.9	139.9	17.6	36.09	143.80	13.60	340.2 Vir
8 Feb 2012	11h55m10.45s	+03 41' 45.5"	2.1040	1.2443	9.8	140.9	17.2	36.54	144.93	14.54	336.6 Vir
9 Feb 2012	11h55m02.02s	+03 47' 11.5"	2.1048	1.2378	9.8	142.0	16.8	36.98	146.08	15.53	333.4 Vir
10 Feb 2012	11h54m51.73s	+03 52' 50.3"	2.1055	1.2315	9.8	143.1	16.3	37.42	147.25	16.54	330.6 Vir
11 Feb 2012	11h54m39.61s	+03 58' 41.8"	2.1062	1.2253	9.8	144.2	15.9	37.85	148.45	17.58	328.2 Vir
12 Feb 2012	11h54m25.65s	+04 04' 45.6"	2.1070	1.2194	9.7	145.3	15.5	38.27	149.66	18.63	326.0 Vir
13 Feb 2012	11h54m09.89s	+04 11' 01.6"	2.1077	1.2136	9.7	146.4	15.0	38.69	150.89	19.68	324.1 Vir
14 Feb 2012	11h53m52.33s	+04 17' 29.3"	2.1085	1.2080	9.7	147.5	14.6	39.11	152.15	20.74	322.4 Vir
15 Feb 2012	11h53m32.99s	+04 24' 08.6"	2.1093	1.2026	9.7	148.6	14.1	39.52	153.43	21.80	320.8 Vir
16 Feb 2012	11h53m11.91s	+04 30' 58.9"	2.1101	1.1974	9.6	149.7	13.7	39.92	154.73	22.84	319.4 Vir
17 Feb 2012	11h52m49.10s	+04 38' 00.0"	2.1109	1.1925	9.6	150.8	13.2	40.31	156.05	23.88	318.2 Vir
18 Feb 2012	11h52m24.62s	+04 45' 11.4"	2.1117	1.1877	9.6	152.0	12.7	40.69	157.39	24.89	317.0 Vir
19 Feb 2012	11h51m58.48s	+04 52' 32.6"	2.1126	1.1831	9.6	153.1	12.2	41.06	158.76	25.88	316.0 Vir
20 Feb 2012	11h51m30.74s	+05 00' 03.1"	2.1134	1.1788	9.5	154.3	11.7	41.42	160.15	26.84	315.0 Vir
21 Feb 2012	11h51m01.43s	+05 07' 42.5"	2.1143	1.1747	9.5	155.4	11.2	41.77	161.56	27.77	314.1 Vir
22 Feb 2012	11h50m30.62s	+05 15' 30.2"	2.1151	1.1708	9.5	156.6	10.7	42.10	162.99	28.67	313.3 Vir
23 Feb 2012	11h49m58.34s	+05 23' 25.6"	2.1160	1.1671	9.5	157.7	10.2	42.43	164.44	29.53	312.6 Vir
24 Feb 2012	11h49m24.67s	+05 31' 28.1"	2.1169	1.1636	9.4	158.9	9.7	42.74	165.92	30.36	311.9 Vir
25 Feb 2012	11h48m49.65s	+05 39' 37.1"	2.1178	1.1604	9.4	160.0	9.2	43.03	167.41	31.14	311.2 Vir
26 Feb 2012	11h48m13.34s	+05 47' 52.0"	2.1187	1.1575	9.4	161.2	8.7	43.31	168.93	31.87	310.6 Vir
27 Feb 2012	11h47m35.82s	+05 56' 12.2"	2.1196	1.1547	9.4	162.3	8.1	43.58	170.46	32.56	310.0 Vir
28 Feb 2012	11h46m57.14s	+06 04' 36.9"	2.1206	1.1522	9.3	163.5	7.6	43.82	172.01	33.21	309.5 Vir
29 Feb 2012	11h46m17.38s	+06 13' 05.6"	2.1215	1.1499	9.3	164.6	7.1	44.05	173.58	33.80	309.0 Vir
1 Mär 2012	11h45m36.61s	+06 21' 37.6"	2.1225	1.1479	9.3	165.8	6.6	44.27	175.17	34.34	308.5 Vir
2 Mär 2012	11h44m54.90s	+06 30' 12.1"	2.1234	1.1462	9.3	166.9	6.1	44.46	176.77	34.83	308.1 Vir
3 Mär 2012	11h44m12.32s	+06 38' 48.6"	2.1244	1.1446	9.2	168.0	5.6	44.63	178.38	35.27	307.6 Vir
4 Mär 2012	11h43m28.95s	+06 47' 26.2"	2.1254	1.1433	9.2	169.1	5.0	44.79	180.01	35.65	307.2 Vir
5 Mär 2012	11h42m44.86s	+06 56' 04.4"	2.1264	1.1423	9.2	170.2	4.6	44.92	181.65	35.98	306.8 Vir
6 Mär 2012	11h42m00.14s	+07 04' 42.3"	2.1274	1.1415	9.1	171.2	4.1	45.03	183.30	36.25	306.5 Vir
7 Mär 2012	11h41m14.85s	+07 13' 19.5"	2.1284	1.1410	9.1	172.2	3.6	45.12	184.96	36.47	306.1 Vir
8 Mär 2012	11h40m29.08s	+07 21' 55.1"	2.1295	1.1407	9.1	173.1	3.2	45.19	186.62	36.63	305.8 Vir
9 Mär 2012	11h39m42.91s	+07 30' 28.5"	2.1305	1.1407	9.1	173.9	2.9	45.24	188.29	36.74	305.4 Vir
10 Mär 2012	11h38m56.40s	+07 38' 59.1"	2.1316	1.1409	9.1	174.5	2.6	45.27	189.97	36.79	305.1 Vir
11 Mär 2012	11h38m09.65s	+07 47' 26.1"	2.1326	1.1414	9.0	174.9	2.4	45.27	191.64	36.79	304.8 Vir
12 Mär 2012	11h37m22.72s	+07 55' 48.9"	2.1337	1.1421	9.0	175.0	2.3	45.25	193.31	36.73	304.5 Leo
13 Mär 2012	11h36m35.70s	+08 04' 06.9"	2.1348	1.1431	9.1	174.8	2.4	45.21	194.99	36.62	304.2 Leo
14 Mär 2012	11h35m48.67s	+08 12' 19.3"	2.1359	1.1443	9.1	174.3	2.6	45.15	196.65	36.45	303.9 Leo
15 Mär 2012	11h35m01.71s	+08 20' 25.6"	2.1370	1.1458	9.1	173.7	2.9	45.06	198.32	36.22	303.6 Leo
16 Mär 2012	11h34m14.91s	+08 28' 25.1"	2.1381	1.1475	9.1	172.8	3.3	44.95	199.97	35.93	303.4 Leo
17 Mär 2012	11h33m28.34s	+08 36' 17.1"	2.1393	1.1495	9.2	171.9	3.7	44.82	201.62	35.59	303.1 Leo
18 Mär 2012	11h32m42.10s	+08 44' 01.1"	2.1404	1.1517	9.2	170.9	4.2	44.67	203.26	35.19	302.8 Leo
19 Mär 2012	11h31m56.26s	+08 51' 36.3"	2.1416	1.1542	9.2	169.9	4.7	44.50	204.88	34.73	302.6 Leo
20 Mär 2012	11h31m10.91s	+08 59' 02.3"	2.1427	1.1569	9.3	168.8	5.2	44.30	206.49	34.22	302.3 Leo
21 Mär 2012	11h30m26.13s	+09 06' 18.5"	2.1439	1.1599	9.3	167.8	5.7	44.09	208.09	33.65	302.1 Leo
22 Mär 2012	11h29m42.00s	+09 13' 24.4"	2.1451	1.1631	9.3	166.6	6.2	43.85	209.67	33.03	301.8 Leo
23 Mär 2012	11h28m58.60s	+09 20' 19.4"	2.1463	1.1666	9.3	165.5	6.7	43.60	211.23	32.36	301.6 Leo
24 Mär 2012	11h28m16.00s	+09 27' 03.0"	2.1475	1.1703	9.4	164.4	7.2	43.32	212.77	31.65	301.4 Leo
25 Mär 2012	11h27m34.27s	+09 33' 34.9"	2.1487	1.1743	9.4	163.3	7.7	43.03	214.30	30.88	301.1 Leo
26 Mär 2012	11h26m53.50s	+09 39' 54.7"	2.1499	1.1785	9.4	162.1	8.2	42.72	215.80	30.08	300.9 Leo
27 Mär 2012	11h26m13.74s	+09 46' 01.8"	2.1511	1.1829	9.5	161.0	8.7	42.39	217.28	29.23	300.7 Leo
28 Mär 2012	11h25m35.05s	+09 51' 56.1"	2.1524	1.1875	9.5	159.9	9.2	42.05	218.74	28.34	300.4 Leo

## Ephemeride des Kleinplaneten (5) Astraea

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA
29 Mär 2012	11h24m57.51s	+09 57' 37.2"	2.1536	1.1924	9.5	158.8	9.7	41.69	220.18	27.41	300.2 Leo
30 Mär 2012	11h24m21.16s	+10 03' 04.8"	2.1549	1.1975	9.6	157.6	10.2	41.31	221.59	26.45	300.0 Leo
31 Mär 2012	11h23m46.07s	+10 08' 18.6"	2.1561	1.2028	9.6	156.5	10.6	40.92	222.98	25.46	299.8 Leo
1 Apr 2012	11h23m12.27s	+10 13' 18.5"	2.1574	1.2084	9.6	155.4	11.1	40.52	224.35	24.44	299.6 Leo
2 Apr 2012	11h22m39.83s	+10 18' 04.3"	2.1587	1.2142	9.7	154.3	11.6	40.10	225.69	23.39	299.3 Leo
3 Apr 2012	11h22m08.77s	+10 22' 35.7"	2.1600	1.2201	9.7	153.2	12.1	39.67	227.01	22.32	299.1 Leo
4 Apr 2012	11h21m39.15s	+10 26' 52.8"	2.1613	1.2263	9.7	152.1	12.5	39.23	228.30	21.22	298.9 Leo
5 Apr 2012	11h21m10.98s	+10 30' 55.3"	2.1626	1.2327	9.7	151.0	13.0	38.77	229.57	20.11	298.6 Leo
6 Apr 2012	11h20m44.32s	+10 34' 43.2"	2.1640	1.2393	9.8	149.9	13.4	38.31	230.82	18.98	298.4 Leo
7 Apr 2012	11h20m19.18s	+10 38' 16.5"	2.1653	1.2461	9.8	148.8	13.9	37.83	232.05	17.84	298.1 Leo
8 Apr 2012	11h19m55.59s	+10 41' 35.0"	2.1666	1.2531	9.8	147.7	14.3	37.35	233.25	16.68	297.9 Leo
9 Apr 2012	11h19m33.57s	+10 44' 38.9"	2.1680	1.2602	9.9	146.7	14.7	36.86	234.42	15.51	297.6 Leo
10 Apr 2012	11h19m13.14s	+10 47' 28.0"	2.1694	1.2676	9.9	145.6	15.1	36.36	235.58	14.33	297.3 Leo
11 Apr 2012	11h18m54.34s	+10 50' 02.3"	2.1707	1.2751	9.9	144.5	15.5	35.85	236.71	13.15	296.9 Leo
12 Apr 2012	11h18m37.16s	+10 52' 22.0"	2.1721	1.2829	9.9	143.5	15.9	35.33	237.82	11.95	296.5 Leo
13 Apr 2012	11h18m21.64s	+10 54' 26.8"	2.1735	1.2908	10.0	142.5	16.3	34.81	238.91	10.74	296.1 Leo
14 Apr 2012	11h18m07.79s	+10 56' 17.0"	2.1749	1.2989	10.0	141.4	16.7	34.28	239.97	9.53	295.5 Leo
15 Apr 2012	11h17m55.62s	+10 57' 52.5"	2.1763	1.3071	10.0	140.4	17.1	33.75	241.02	8.31	294.8 Leo
16 Apr 2012	11h17m45.15s	+10 59' 13.4"	2.1777	1.3156	10.1	139.4	17.5	33.21	242.04	7.09	294.0 Leo
17 Apr 2012	11h17m36.38s	+11 00' 19.7"	2.1791	1.3242	10.1	138.4	17.8	32.67	243.05	5.87	292.8 Leo
18 Apr 2012	11h17m29.33s	+11 01' 11.6"	2.1806	1.3329	10.1	137.4	18.2	32.12	244.04	4.65	291.1 Leo
19 Apr 2012	11h17m24.00s	+11 01' 49.0"	2.1820	1.3418	10.1	136.4	18.5	31.57	245.00	3.43	288.3 Leo
20 Apr 2012	11h17m20.39s	+11 02' 12.3"	2.1835	1.3509	10.2	135.4	18.8	31.01	245.95	2.24	282.6 Leo
21 Apr 2012	11h17m18.50s	+11 02' 21.4"	2.1849	1.3601	10.2	134.4	19.2	30.45	246.88	1.11	264.9 Leo
22 Apr 2012	11h17m18.34s	+11 02' 16.5"	2.1864	1.3695	10.2	133.5	19.5	29.89	247.79	0.68	182.4 Leo
23 Apr 2012	11h17m19.90s	+11 01' 57.8"	2.1879	1.3790	10.2	132.5	19.8	29.32	248.69	1.63	140.2 Leo
24 Apr 2012	11h17m23.18s	+11 01' 25.4"	2.1893	1.3886	10.3	131.6	20.1	28.76	249.56	2.79	130.7 Leo
25 Apr 2012	11h17m28.16s	+11 00' 39.4"	2.1908	1.3984	10.3	130.6	20.4	28.19	250.42	3.97	126.8 Leo
26 Apr 2012	11h17m34.84s	+10 59' 40.1"	2.1923	1.4084	10.3	129.7	20.7	27.62	251.27	5.15	124.7 Leo
27 Apr 2012	11h17m43.22s	+10 58' 27.7"	2.1938	1.4184	10.3	128.8	21.0	27.04	252.10	6.33	123.3 Leo
28 Apr 2012	11h17m53.26s	+10 57' 02.3"	2.1954	1.4286	10.4	127.8	21.2	26.47	252.92	7.49	122.4 Leo
29 Apr 2012	11h18m04.97s	+10 55' 24.2"	2.1969	1.4389	10.4	126.9	21.5	25.90	253.72	8.65	121.6 Leo
30 Apr 2012	11h18m18.33s	+10 53' 33.5"	2.1984	1.4493	10.4	126.0	21.7	25.32	254.50	9.79	121.1 Leo