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EDITORIAL NOTICE

Contributors of perturbed orbital elements are advised that the use of the epoch 2006 Sept. 22.0 TT (rather than 2006 Mar. 6.0 TT) will become effective after the publication of *this* batch of *Minor Planet Circulars*.

ERRATUM

MPC	Line	
56963	8	*For* Korolov *read* Korolev

NEW OBSERVATORY CODES

The following listing is a continuation to that on *MPC* 56919. The longitudes λ are measured in degrees eastward from Greenwich, and the parallax constants $\rho\cos\phi'$ and $\rho\sin\phi'$ are the product of the geocentric distance (in earth equatorial radii) and the cosine and sine, respectively, of the geocentric latitude.

Obs.	λ	$\rho\cos\phi'$	$\rho\sin\phi'$	
B00	2.5767	0.66289	+0.74622	Savigny-le-Temple
B01	8.4464	0.64117	+0.76499	Taunus Observatory, Frankfurt
B02	20.6566	0.63224	+0.77224	Kielce
B03	16.2698	0.66759	+0.74211	Alter Satzberg, Vienna
B04	7.4783	0.69868	+0.71339	Saint-Barthelemy Observatory
E26	153.3971	0.88414	−0.46566	RAS Observatory, Biggera Waters
J54	343.4906	0.88149	+0.47142	Bradford Robotic Telescope
J59	356.2039	0.72693	+0.68441	Observatorio Linceo, Santander

CORRECTED OBSERVATIONS

The following observations correct those previously published.

Object		Date	UT	α_{2000}	δ_{2000}	Reference	Mag.	Obs.
1986 XL_1		1986 12	05.49265	00 45 25.34	−26 08 39.2	*MPC* 13353		413
1986 XL_1		1986 12	05.50920	00 45 25.83	−26 08 30.6	*MPC* 13353		413
1986 XL_1	*	1986 12	05.56100	00 45 25.98	−26 08 00.3	*MPC* 13353	18	413
1987 MG	*	1987 06	30.76014	22 18 12.18	−19 12 10.1	*MPC* 11914		413
1987 MG		1987 06	30.82958	22 18 12.85	−19 12 19.4	*MPC* 11914	18	413
1995 BX_{15}		1995 02	02.96076	07 51 29.92	+23 10 28.9	*MPC* 24941		033
1997 WT_{22}		1988 12	13.37153	08 14 03.77	+32 19 14.6	*MPS* 5521		261
1997 WT_{22}		1988 12	13.42708	08 14 16.59	+32 21 31.7	*MPS* 5521		261
2002 PM_{149}	*	2002 08	11.25671	22 04 07.16	−10 16 44.1	*MPS* 63357	21.8 R	807
2002 QT_{85}		1985 07	20.46042	16 38 45.03	−07 16 21.7			260
2002 QT_{85}		1985 07	20.50903	16 38 44.51	−07 16 30.8			260
2004 VD_{17}		2002 02	16.46212	09 53 21.83	+05 12 48.7	*MPS* 166102		644
2004 VD_{17}		2002 03	14.21996	09 14 21.34	+09 04 01.8	*MPS* 166102		644
2004 VD_{17}		2002 03	15.16438	09 13 13.55	+09 11 43.0	*MPS* 166102		644
2006 HZ_{51}		2006 04	27.80834	11 04 39.09	+32 35 23.3	*MPS* 170013	19.5 V	A50
2006 HZ_{51}		2006 04	27.81419	11 04 38.88	+32 35 20.5	*MPS* 170013	19.7 V	A50
2006 KD_{40}		2006 05	29.92398	19 07 06.82	+11 54 21.4	*MPS* 173621	16.7 V	A50
2006 KD_{40}		2006 05	29.92441	19 07 06.97	+11 54 20.6	*MPS* 173621	16.6 V	A50
2006 KD_{40}		2006 05	29.92483	19 07 07.12	+11 54 19.5	*MPS* 173621	16.6 V	A50
2006 KD_{40}		2006 05	29.92524	19 07 07.27	+11 54 18.6	*MPS* 173621	16.0 V	A50
2006 KD_{40}		2006 05	29.92567	19 07 07.44	+11 54 17.1	*MPS* 173621	16.7 V	A50

DELETED OBSERVATIONS

The following observations are to be deleted.

Object		Date	UT	α_{2000}	δ_{2000}	Reference	Obs.
1990 OA_5		1990 07	25.30590	20 00 45.48	−14 41 06.7	*MPC* 16815	675
1992 QC_3	*	1992 08	25.36319	00 12 52.75	+03 52 30.3	*MPS* 170715	261
1992 QC_3		1992 08	25.41181	00 12 51.91	+03 52 24.4	*MPS* 170715	261
1992 QC_3		1992 08	27.34583	00 12 21.29	+03 47 44.2	*MPS* 170715	261
1992 QC_3		1992 08	27.38750	00 12 20.57	+03 47 38.3	*MPS* 170715	261
1993 QW_8		1993 07	26.47865	23 48 45.72	−06 47 14.9	*MPC* 29409	675
2000 SM_{376}	*	2000 09	25.35783	01 00 20.50	−03 49 19.2	*MPC* 54923	704
2000 SM_{376}		2000 09	25.38817	01 00 18.80	−03 49 21.8	*MPC* 54923	704
2000 SM_{376}		2000 09	25.40333	01 00 18.06	−03 49 22.7	*MPC* 54923	704
2002 EG_{138}		1999 08	03.37694	22 13 11.32	−10 35 28.0	*MPS* 165035	691
2002 OJ_{27}		2002 08	17.22531	21 47 48.57	−17 19 06.7	*MPS* 155815	644
2002 OJ_{27}		2002 08	17.29793	21 47 45.05	−17 19 34.3	*MPS* 155815	644
2002 OJ_{27}		2002 08	17.36039	21 47 42.04	−17 19 57.8	*MPS* 155815	644

2006 HA_{111}		2006 04 19.32682	13 54 36.46	−11 02 56.1	2006 FS_{19}	20.1	V		G96
2006 HA_{111}		2006 04 19.33693	13 54 35.89	−11 02 54.3	2006 FS_{19}	19.8	V		G96
2006 HA_{111}		2006 04 19.34758	13 54 35.31	−11 02 52.2	2006 FS_{19}	20.0	V		G96
2006 HB_{111}	*	2006 04 18.26429	12 44 29.22	+12 16 21.6	2006 GN_{52}	19.6	V		703
2006 HB_{111}		2006 04 18.27237	12 44 28.78	+12 16 24.4	2006 GN_{52}	20.1	V		703
2006 HB_{111}		2006 04 18.28050	12 44 28.57	+12 16 27.4	2006 GN_{52}	20.1	V		703
2006 HB_{111}		2006 04 18.28854	12 44 28.17	+12 16 27.4	2006 GN_{52}	19.6	V		703
2006 HY_{121}	*	2006 04 23.29958	14 26 55.46	−07 32 38.6	2006 HC_{30}	18.3			704
2006 HY_{121}		2006 04 23.31042	14 26 54.79	−07 32 40.7	2006 HC_{30}	18.5			704
2006 HY_{121}		2006 04 23.33200	14 26 53.30	−07 32 45.1	2006 HC_{30}	18.5			704
2006 HY_{121}		2006 04 23.34281	14 26 52.52	−07 32 46.9	2006 HC_{30}	18.6			704
2006 HY_{121}		2006 04 23.34618	14 26 52.52	−07 32 46.4	2006 HC_{30}	18.3			704
2006 HY_{121}		2006 04 23.35700	14 26 51.77	−07 32 49.2	2006 HC_{30}	19.1			704
2006 HY_{121}		2006 04 23.36756	14 26 51.00	−07 32 51.3	2006 HC_{30}	18.9			704
2006 HY_{121}		2006 04 23.37820	14 26 50.29	−07 32 52.9	2006 HC_{30}	18.7			704
2006 HY_{121}		2006 04 23.38878	14 26 49.55	−07 32 55.1	2006 HC_{30}	18.3			704
2006 HZ_{121}	*	2006 04 20.30208	12 42 54.32	−03 02 39.0	2006 FW_6	19.5	V		703
2006 HZ_{121}		2006 04 20.30903	12 42 53.92	−03 02 35.2	2006 FW_6	20.2	V		703
2006 HZ_{121}		2006 04 20.31598	12 42 53.74	−03 02 30.1	2006 FW_6	18.9	V		703
2006 HZ_{121}		2006 04 20.32297	12 42 53.46	−03 02 29.1	2006 FW_6	19.6	V		703
2006 HF_{122}	*	2006 04 24.31942	14 34 44.27	−09 58 31.9	2006 HQ_{53}	19.5			704
2006 HF_{122}		2006 04 24.33052	14 34 43.62	−09 58 29.1	2006 HQ_{53}	19.3			704
2006 HF_{122}		2006 04 24.34129	14 34 43.03	−09 58 26.0	2006 HQ_{53}	19.3			704
2006 HF_{122}		2006 04 24.35213	14 34 42.43	−09 58 25.2	2006 HQ_{53}	19.4			704
2006 HY_{127}	*	2006 04 20.29729	12 46 19.09	+03 43 59.2	2006 GV_5	20.5	V		703
2006 HY_{127}		2006 04 20.30424	12 46 18.87	+03 44 00.7	2006 GV_5	19.6	V		703
2006 HY_{127}		2006 04 20.31119	12 46 18.55	+03 44 06.5	2006 GV_5	19.6	V		703
2006 HY_{127}		2006 04 20.31817	12 46 18.22	+03 44 08.3	2006 GV_5	19.4	V		703
2006 HZ_{127}	*	2006 04 30.31748	15 24 05.39	−19 09 12.1	2006 HQ_{68}	20.7	V		691
2006 HZ_{127}		2006 04 30.33481	15 24 04.51	−19 09 04.6	2006 HQ_{68}	21.3	V		691
2006 HZ_{127}		2006 04 30.35212	15 24 03.59	−19 08 59.0	2006 HQ_{68}	21.0	V		691
2006 HP_{150}	*	2006 04 20.39345	15 52 49.22	−20 05 52.7	2006 KS_{10}	19.1	V		G96
2006 HP_{150}		2006 04 20.40113	15 52 48.97	−20 05 50.3	2006 KS_{10}	18.9	V		G96
2006 HP_{150}		2006 04 20.40907	15 52 48.68	−20 05 47.6	2006 KS_{10}	19.1	V		G96
2006 HQ_{150}	*	2006 04 30.30758	15 26 58.01	−16 08 04.5	2006 HA_{69}	21.6	V		691
2006 HQ_{150}		2006 04 30.32491	15 26 57.11	−16 08 02.6	2006 HA_{69}	20.9	V		691
2006 HQ_{150}		2006 04 30.34222	15 26 56.17	−16 08 00.4	2006 HA_{69}	20.9	V		691
2006 JA_{47}	*	2006 05 01.26383	14 56 29.14	−15 19 02.6	2006 HM_{66}	21.4	V		691
2006 JA_{47}		2006 05 01.28132	14 56 28.08	−15 19 01.6	2006 HM_{66}	21.0	V		691
2006 JA_{47}		2006 05 01.29624	14 56 27.17	−15 19 00.6	2006 HM_{66}	20.8	V		691
2006 JH_{58}	*	2006 05 07.20533	14 37 46.37	−10 14 32.9	2003 UX_{154}	20.8	V		691
2006 JH_{58}		2006 05 07.22267	14 37 45.30	−10 14 28.5	2003 UX_{154}	20.2	V		691
2006 JH_{58}		2006 05 07.23998	14 37 44.31	−10 14 23.5	2003 UX_{154}	20.3	V		691
2006 JT_{68}	*	2006 05 04.28698	15 29 54.40	−16 18 51.1	2006 HA_{82}	20.7	V		691
2006 JT_{68}		2006 05 04.30436	15 29 53.46	−16 18 46.3	2006 HA_{82}	20.7	V		691
2006 JT_{68}		2006 05 04.32177	15 29 52.55	−16 18 42.7	2006 HA_{82}	21.1	V		691
2006 KS_{82}	*	2006 05 18.43941	16 26 34.56	−09 28 56.7	2006 JU_{57}	18.8	R		644
2006 KS_{82}		2006 05 18.46277	16 26 33.32	−09 28 54.6	2006 JU_{57}	18.9	R		644
2006 KS_{82}		2006 05 18.48302	16 26 32.22	−09 28 53.1	2006 JU_{57}	19.1	R		644
2006 KT_{89}	*	2006 05 19.24749	14 06 32.07	−10 03 16.9	2006 HL_{115}	21.8	V		G96
2006 KT_{89}		2006 05 19.25216	14 06 31.89	−10 03 16.2	2006 HL_{115}	21.8	V		G96
2006 KT_{89}		2006 05 19.25682	14 06 31.71	−10 03 15.4	2006 HL_{115}	21.3	V		G96
2006 KT_{89}		2006 05 19.26153	14 06 31.57	−10 03 14.9	2006 HL_{115}	21.6	V		G96
2006 KV_{121}	*	2006 05 20.67549	16 13 47.10	−21 00 35.3	1999 VM_{193}	17.2	V		E12
2006 KV_{121}		2006 05 20.68131	16 13 46.77	−21 00 36.2	1999 VM_{193}	17.4	V		E12
2006 KV_{121}		2006 05 20.68713	16 13 46.41	−21 00 36.4	1999 VM_{193}	17.5	V		E12
2006 KV_{121}		2006 05 20.69295	16 13 46.09	−21 00 36.6	1999 VM_{193}	17.7	V		E12
2006 KZ_{121}	*	2006 05 19.27619	15 41 29.00	−18 01 38.8	2006 HV_{113}	20.1	V		G96
2006 KZ_{121}		2006 05 19.28444	15 41 28.50	−18 01 38.0	2006 HV_{113}	20.5	V		G96
2006 KZ_{121}		2006 05 19.29273	15 41 28.03	−18 01 36.7	2006 HV_{113}	20.0	V		G96
2006 KZ_{121}		2006 05 19.30093	15 41 27.56	−18 01 36.0	2006 HV_{113}	20.3	V		G96
2006 KA_{122}	*	2006 05 21.15569	14 24 07.51	+00 28 08.2	2006 JY_{55}	20.0	V		691
2006 KA_{122}		2006 05 21.16872	14 24 06.91	+00 28 03.8	2006 JY_{55}	19.7	V		691
2006 KA_{122}		2006 05 21.18175	14 24 06.21	+00 28 00.4	2006 JY_{55}	20.1	V		691
2006 KA_{122}		2006 05 21.27468	14 24 01.58	+00 27 31.2	2006 JY_{55}	20.5	V		703
2006 KA_{122}		2006 05 21.28322	14 24 01.15	+00 27 28.9	2006 JY_{55}	20.0	V		703
2006 KA_{122}		2006 05 21.29175	14 24 00.68	+00 27 25.9	2006 JY_{55}	20.0	V		703
2006 KA_{122}		2006 05 21.30032	14 24 00.25	+00 27 23.9	2006 JY_{55}	20.0	V		703
2006 KO_{124}	*	2006 05 24.25093	15 18 59.67	−07 07 11.5	2006 JD_{58}	19.2	R		699
2006 KO_{124}		2006 05 24.27655	15 18 58.47	−07 07 12.6	2006 JD_{58}				699
2006 KO_{124}		2006 05 24.30215	15 18 57.07	−07 07 12.9	2006 JD_{58}				699
2006 KO_{124}		2006 05 24.32774	15 18 55.77	−07 07 15.0	2006 JD_{58}				699
2006 KS_{124}	*	2006 05 18.23675	14 32 19.62	−17 17 32.0	2006 JK_{57}	20.2	R		644
2006 KS_{124}		2006 05 18.25663	14 32 18.66	−17 17 26.5	2006 JK_{57}	20.0	R		644
2006 KS_{124}		2006 05 18.27754	14 32 17.61	−17 17 20.2	2006 JK_{57}	19.6	R		644
2006 LK_7	*	2006 06 03.36001	15 58 55.27	−05 39 20.7	2006 KQ_{121}	19.3	V		703
2006 LK_7		2006 06 03.36640	15 58 55.09	−05 39 21.7	2006 KQ_{121}	19.4	V		703
2006 LK_7		2006 06 03.37286	15 58 54.55	−05 39 23.0	2006 KQ_{121}	19.0	V		703
2006 LK_7		2006 06 03.37934	15 58 54.30	−05 39 24.4	2006 KQ_{121}	19.7	V		703

NUMBERING OF A PERIODIC COMET

Continuation to the list on *MPC* 56919.

177P/1889 M1 = 2006 M3 (Barnard)

OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

046 Kleť. Observers M. Tichý, M. Kiriakov, J. Tichá. Measurer M. Tichý. 0.57-m $f/5.2$ reflector + CCD.

104 San Marcello Pistoiese. Observers L. Tesi, M. Tombelli, G. Fagioli, M. Mazzucato, F. Dolfi. Measurers G. Forti, L. Tesi. 0.60-m $f/4$ reflector + CCD.

118 Modra. Observers Š. Gajdoš, J. Világi, L. Kornoš. 0.6-m $f/5.5$ reflector + CCD.

130 Lumezzane. Observers M. Casali, W. Marinello, M. Micheli, G. Pizzetti, A. Soffiantini. Measurers M. Micheli, G. Pizzetti, A. Soffiantini, W. Marinello. 0.40-m $f/4.5$ reflector + CCD.

138 Village-Neuf. Observer C. Demeautis. 0.2-m $f/10$ reflector + CCD.

151 Eschenberg Observatory, Winterthur. Observer M. Griesser. 0.40-m $f/5.9$ Hypergraph + CCD.

157 Frasso Sabino. Observers R. Haver, P. Caponnetto, A. Ederoclite. Measurer R. Haver. 0.20-m $f/6.5$ Schmidt-Cassegrain + CCD.

160 Castelmartini. Observer E. Prosperi. 0.35-m $f/10$ Schmidt-Cassegrain + CCD.

170 Observatorio de Begues. Observer J. Manteca. 0.36-m $f/6.3$ Schmidt-Cassegrain + CCD.
176 Observatori Astronomic de Consell. Observers À. López, R. Pacheco. 0.41-m $f/4$ reflector + CCD.
204 Schiaparelli Observatory. Observers L. Buzzi, F. Luppi. Measurer L. Buzzi. 0.60-m $f/4.64$ reflector + CCD.
213 Observatorio Montcabre. Observer R. Naves. Measurer M. Campas. 0.30-m $f/10$ Schmidt-Cassegrain + CCD.
215 Buchloe. Observer W. Hasubick. 0.44-m $f/4.6$ reflector + CCD.
232 Masquefa Observatory. Observer E. Reina. 0.25-m $f/3.3$ Schmidt-Cassegrain + CCD.
240 Herrenberg. Observer H. Michels. 0.40-m $f/5$ reflector + CCD.
249 SOHO. SOHO-LASCO coronagraphs C3 and C2. Measurements by K. Battams, reductions by B. G. Marsden.
291 LPL/Spacewatch II. Observer R. S. McMillan. 1.8-m $f/2.7$ reflector + CCD.
349 Ageo. Observer K. Kadota. 0.25-m $f/5.0$ reflector + CCD.
372 Geisei. Observer T. Seki. 0.60-m $f/3.5$ reflector.
379 Hamamatsu-Yuto. Observer S. Wakuda. 0.25-m $f/5.0$ Schmidt-Cassegrain + CCD.
415 Kambah, near Canberra. Observer D. Herald. 0.36-m $f/3.9$ Schmidt-Cassegrain + CCD.
423 North Ryde. Observer S. G. McAndrew. 0.20-m $f/4$ hyperbolic astrograph + CCD.
428 Reedy Creek. Observer J. Broughton. 0.51-m $f/2.7$ reflector + CCD.
442 Gualba Observatory. Observer A. Sánchez. 0.36-m $f/6$ Schmidt-Cassegrain + CCD.
445 Observatori d'Ontinyent. Observer M. Camarasa. 0.20-m $f/7.2$ Schmidt-Cassegrain + CCD.
458 Guadarrama Observatory. Observer D. Rodriguez. 0.20-m $f/10$ Schmidt-Cassegrain + CCD.
461 Szeged University, Piszkéstető Stn. (Konkoly). Observer K. Sárneczky. 0.60-m Schmidt + CCD.
467 Auckland Observatory. Observers G. W. Christie, T. Natusch, C. H. Rowe. Measurer G. W. Christie. 0.35-m $f/11$ Schmidt-Cassegrain + CCD.
473 Remanzacco. Observers G. Sostero, E. Guido, A. Lepardo, M. Gonano, V. Gonano. Measurers G. Sostero, E. Guido, M. Gonano, V. Gonano. 0.25-m $f/5.7$ Schmidt-Cassegrain + CCD.
561 Piszkéstető. Observer J. Kelemen. 0.6-m Schmidt + CCD.
585 Kiev comet station. Observer A. Baransky. Measurers A. Baransky, K. Churyumov, V. Kleschonok. 0.7-m $f/4$ reflector + CCD.
644 Palomar Mountain/NEAT. Observers M. Brown, R. Bambery, K. Lawrence, M. Hicks, E. Helin, R. Thicksten. 1.2-m Schmidt + CCD.
673 Table Mountain Observatory, Wrightwood. Observer J. Young. 0.61-m $f/16$ Cassegrain + CCD.
691 Steward Observatory, Kitt Peak. Observer R. S. McMillan. 0.9-m $f/3$ reflector + CCD.
699 Lowell Observatory-LONEOS. Observers M. E. Van Ness, B. A. Skiff. 0.59-m LONEOS Schmidt + CCD.
703 Catalina Sky Survey. Observer A. R. Gibbs. Measurers E. C. Beshore, E. J. Christensen, G. J. Garradd, A. R. Gibbs, A. D. Grauer, R. E. Hill, R. A. Kowalski, S. M. Larson, R. H. McNaught. 0.68-m Schmidt + CCD.
704 Lincoln Laboratory ETS, New Mexico. Observers M. Bezpalko, L. Manguso, D. Torres, R. Kracke, M. Blythe, H. Love, G. Spitz. Measurers J. Stuart, J. Kommers. 1.0-m $f/2.15$ reflector + CCD.
734 Farpoint Observatory. Observer G. Hug. Measurer D. Tibbets. 0.7-m reflector + CCD.
762 Four Winds Observatory, Lake Leelanau. Observer R. Elliott. 0.3-m Schmidt-Cassegrain + CCD.
808 El Leoncito. Observer H. S. Lepez. 0.5-m $f/7.5$ double astrograph + CCD.
834 Buenos Aires-AAAA. Observers R. Mackintosh, M. Konishi. Measurer R. Mackintosh. 0.25-m $f/6.3$ Schmidt-Cassegrain + CCD.
844 Los Molinos. Observer R. Salvo. 0.46-m $f/2.8$ reflector + CCD.
850 Cordell-Lorenz Observatory, Sewanee. Observers D. T. Durig, J. C. Cockhren. 0.30-m $f/5$ Schmidt-Cassegrain + CCD, 0.30-m $f/9.7$ Schmidt-Cassegrain + CCD.
854 Sabino Canyon Observatory, Tucson. Observer J. E. McGaha. 0.36-m $f/10.0$ Schmidt-Cassegrain + CCD.
939 Observatorio Rodeno. Observer J. Castellano. 0.20-m $f/10$ Schmidt-Cassegrain + CCD.
941 Observatorio Pla D'Arguines. Observers R. Ferrando, M. Ferrando. Measurer R. Ferrando. 0.36-m $f/10$ Schmidt-Cassegrain + CCD.
945 Observatorio Monte Deva. Observer J. R. Vidal. 0.36-m $f/4.48$ Schmidt-Cassegrain + CCD.
958 Observatoire de Dax. Observer P. Dupouy. Measurer C. Rinner. 0.4-m $f/4$ reflector + CCD.
A02 Masia Cal Maciarol Modul 8. Observers J. L. Salto, A. Salto. Measurer J. L. Salto. 0.25-m $f/7.2$ Schmidt-Cassegrain + CCD.
A11 Wormhout. Observer S. Takbou. 0.20-m $f/10$ Schmidt-Cassegrain + CCD.
A13 Observatoire Naef, Marly. Observer P. Kocher. 0.5-m $f/3.3$ Hypergraph + CCD.
A18 Herne. Observer B. Brinkmann. 0.2-m $f/5.8$ Schmidt-Cassegrain + CCD.
A32 Panker. Observer H. Denzau. 0.36-m $f/5.5$ Schmidt-Cassegrain + CCD.
A50 Andrushivka Astronomical Observatory. Observers D. Kyrylenko, Y. Ivashchenko. 0.6-m reflector + CCD.
A77 Observatoire Chante-Perdrix, Dauban. Observer F. Kugel. 0.20-m $f/5.5$ Schmidt-Cassegrain + CCD.
B02 Kielce. Observer P. Kankiewicz. 0.35-m $f/11$ Schmidt-Cassegrain + CCD.
D35 Lulin Observatory. Observers C. S. Lin, Q. Ye, T. C. Yang. 0.40-m $f/8.8$ Ritchey-Chrétien + CCD.
D88 Hiratsuka. Observer Y. Sugiyama. 0.25-m $f/5.0$ reflector + CCD.
E12 Siding Spring Survey. Observers R. H. McNaught, G. J. Garradd. Measurers E. C. Beshore, E. J. Christensen, G. J. Garradd, A. R. Gibbs, A. D. Grauer, R. E. Hill, R. A. Kowalski, S. M. Larson, R. H. McNaught. 0.5-m Uppsala Schmidt + CCD.
E26 RAS Observatory, Biggera Waters. Observer E. Guido. 0.15-m $f/6.0$ reflector + CCD.
F84 Hibiscus Observatory, Punaauia. Observers N. Teamo, S. F. Hönig. Measurer S. F. Hönig. 0.35-m $f/3.29$ Schmidt-Cassegrain + CCD.
G96 Mt. Lemmon Survey. Observer R. A. Kowalski. Measurers E. C. Beshore, E. J. Christensen, G. J. Garradd, A. R. Gibbs, A. D. Grauer, R. E. Hill, R. A. Kowalski, S. M. Larson, R. H. McNaught. 1.5-m reflector + CCD.
H06 New Mexico Skies Observatory. Observers M. Suzuki, R. Hutsebaut, E. Guido, G. Sostero. Measurers M. Suzuki, R. Hutsebaut, E. Guido. 0.25-m $f/3.4$ reflector + CCD, 0.30-m $f/11.9$ reflector + CCD.

H45 Petit Jean Mountain South. Observer P. C. Sherrod. 0.41-m $f/3.3$ Schmidt-Cassegrain + CCD.
H47 Vicksburg. Observer C. Bell. 0.3-m Schmidt-Cassegrain + CCD.
I77 CEAMIG-REA Observatory, Belo Horizonte. Observers C. Jacques, E. Pimentel. Measurer C. Jacques. 0.30-m $f/3.0$ Schmidt-Cassegrain + CCD.
J55 Los Altos de Arguineguin Observatory. Observers R. Morales, J. L. Doreste, G. Gonzalez. Measurer J. L. Doreste. 0.36-m $f/6.5$ Schmidt-Cassegrain + CCD.
J59 Observatorio Linceo, Santander. Observer J. Temprano. 0.25-m $f/3.3$ Schmidt-Cassegrain + CCD.
J64 La Mata. Observer J. Garcia. 0.20-m $f/3.5$ Schmidt-Cassegrain + CCD.
J67 Observatorio La Puebla de Vallbona. Observer E. Arce. 0.25-m $f/6$ Schmidt-Cassegrain + CCD.
J70 Obs. Astronómico Vega del Thader, El Palmar. Observers J. P. Navarro P., R. Ferrando. Measurer J. P. Navarro P. 0.20-m Schmidt-Cassegrain + CCD.
J76 La Murta. Observers S. Pastor, J. A. Reyes. 0.40-m $f/6.3$ Schmidt-Cassegrain + CCD.
J78 Murcia. Observers J. Sánchez. 0.25-m $f/10$ Schmidt-Cassegrain + CCD.
J79 Observatorio Calarreona, Aguilas. Observer F. Montalban. 0.25-m $f/10$ Schmidt-Cassegrain + CCD.
J87 La Cañada. Observer J. Lacruz. 0.30-m Schmidt-Cassegrain + CCD.
J95 Great Shefford. Observer P. Birtwhistle. 0.40-m $f/6.0$ Schmidt-Cassegrain + CCD.
J97 Alginet. Observer T. Climent. 0.25-m $f/3.3$ Schmidt-Cassegrain + CCD.

Object	Date	UT	α_{2000}	δ_{2000}	Mag.	N	Obs.
C/2002 VQ_{94} (LINEAR)							
C/2002 VQ_{94}	2006 05 31.72468		13 28 12.09	+64 41 15.0			349
C/2002 VQ_{94}	2006 05 31.72692		13 28 12.00	+64 41 13.2	17.0	T	349
C/2002 VQ_{94}	2006 06 10.91523		13 21 54.01	+62 56 15.6			204
C/2002 VQ_{94}	2006 06 10.91607		13 21 54.12	+62 56 15.2	16.6	N	232
C/2002 VQ_{94}	2006 06 10.91991		13 21 53.94	+62 56 12.8	16.8	N	232
C/2002 VQ_{94}	2006 06 10.92285		13 21 53.78	+62 56 11.4	16.8	N	939
C/2002 VQ_{94}	2006 06 10.92375		13 21 53.76	+62 56 10.4	16.9	N	232
C/2002 VQ_{94}	2006 06 10.92597		13 21 53.64	+62 56 07.7	16.9	N	213
C/2002 VQ_{94}	2006 06 10.92678		13 21 53.63	+62 56 07.4	16.9	N	213
C/2002 VQ_{94}	2006 06 10.92758		13 21 53.60	+62 56 06.8	16.9	N	213
C/2002 VQ_{94}	2006 06 10.93025		13 21 53.54	+62 56 06.3	16.9	N	939
C/2002 VQ_{94}	2006 06 10.93765		13 21 53.31	+62 56 01.6	16.9	N	939
C/2002 VQ_{94}	2006 06 10.94828		13 21 53.00	+62 55 54.3	16.8	N	204
C/2002 VQ_{94}	2006 06 11.89935		13 21 25.42	+62 45 41.6	17.2	N	118
C/2002 VQ_{94}	2006 06 11.90203		13 21 25.37	+62 45 40.0	17.2	N	118
C/2002 VQ_{94}	2006 06 11.90381		13 21 25.39	+62 45 39.0	17.0	N	118
C/2002 VQ_{94}	2006 06 11.90559		13 21 25.28	+62 45 37.7	17.1	N	118
C/2002 VQ_{94}	2006 06 11.90738		13 21 25.24	+62 45 36.3	17.1	N	118
C/2002 VQ_{94}	2006 06 25.95858		13 16 56.96	+60 08 50.7	17.8	N	130
C/2002 VQ_{94}	2006 06 25.96134		13 16 56.88	+60 08 49.0	17.1	N	130
C/2002 VQ_{94}	2006 06 25.96215		13 16 56.80	+60 08 47.5	17.6	T	561
C/2002 VQ_{94}	2006 06 25.96950		13 16 56.76	+60 08 42.8	17.7	T	561
C/2002 VQ_{94}	2006 06 25.97313		13 16 56.70	+60 08 39.8	17.5	T	561
C/2002 VQ_{94}	2006 06 25.97676		13 16 56.65	+60 08 37.5	17.5	T	561
C/2002 VQ_{94}	2006 06 28.88407		13 16 31.11	+59 35 11.9	16.8	N	J97
C/2002 VQ_{94}	2006 06 30.92216		13 16 18.78	+59 11 36.9	17.0	T	215
C/2002 VQ_{94}	2006 06 30.92286		13 16 18.75	+59 11 36.7	17.0	T	215
C/2002 VQ_{94}	2006 07 02.89056		13 16 10.78	+58 48 46.7	16.9	N	213
C/2002 VQ_{94}	2006 07 02.89135		13 16 11.01	+58 48 45.8	16.9	N	213
C/2002 VQ_{94}	2006 07 02.89294		13 16 10.98	+58 48 44.7	16.9	N	213
C/2003 WT_{42} (LINEAR)							
C/2003 WT_{42}	2006 02 23.85663		09 50 40.22	+53 19 31.4	15.2	T	B02
C/2003 WT_{42}	2006 02 23.86898		09 50 39.79	+53 19 30.9	15.8	T	B02
C/2003 WT_{42}	2006 02 23.89086		09 50 39.08	+53 19 28.7	15.5	T	B02
C/2003 WT_{42}	2006 02 23.90427		09 50 38.68	+53 19 30.1	15.5	T	B02
C/2003 WT_{42}	2006 06 07.57710		10 07 08.74	+42 34 39.4			349
C/2003 WT_{42}	2006 06 07.58063		10 07 08.95	+42 34 38.0	15.4	T	349
C/2003 WT_{42}	2006 06 10.86310		10 09 48.17	+42 06 02.8	15.7	N	232
C/2003 WT_{42}	2006 06 10.86566		10 09 48.20	+42 06 03.0	15.6	N	232
C/2003 WT_{42}	2006 06 10.87077		10 09 48.46	+42 06 00.5	15.6	N	232
C/2003 WT_{42}	2006 06 10.87187		10 09 48.61	+42 05 59.3	15.8	N	939
C/2003 WT_{42}	2006 06 10.87789		10 09 48.89	+42 05 56.0	15.8	N	939
C/2003 WT_{42}	2006 06 10.88390		10 09 49.17	+42 05 52.9	15.8	N	939
C/2003 WT_{42}	2006 06 10.89287		10 09 49.64	+42 05 46.8	16.0	N	J97
C/2003 WT_{42}	2006 06 11.90726		10 10 39.68	+41 56 56.6	15.7	N	473
C/2003 WT_{42}	2006 06 13.86046		10 12 17.28	+41 39 55.8	15.8	N	J97
C/2003 WT_{42}	2006 06 13.90333		10 12 19.42	+41 39 34.0	16.0	N	J55
C/2003 WT_{42}	2006 06 13.90738		10 12 19.31	+41 39 35.0	15.7	N	J55
C/2003 WT_{42}	2006 06 13.90914		10 12 19.76	+41 39 31.0	16.1	N	J55
C/2003 WT_{42}	2006 06 17.88978		10 15 42.96	+41 04 44.1	16.1	N	232
C/2003 WT_{42}	2006 06 17.89364		10 15 43.16	+41 04 42.1	16.3	N	232
C/2003 WT_{42}	2006 06 17.89751		10 15 43.38	+41 04 40.2	16.6	N	232
C/2003 WT_{42}	2006 06 25.87404		10 22 46.69	+39 54 54.6	16.2	N	J64
C/2003 WT_{42}	2006 06 25.87970		10 22 46.98	+39 54 51.6	16.3	N	J64
C/2003 WT_{42}	2006 06 25.88536		10 22 47.26	+39 54 48.8	16.2	N	J64
C/2003 WT_{42}	2006 06 30.86106		10 27 20.90	+39 11 21.0	15.8	N	939
C/2003 WT_{42}	2006 06 30.86872		10 27 21.34	+39 11 16.7	15.7	N	939
C/2003 WT_{42}	2006 06 30.87333		10 27 21.63	+39 11 14.1	15.8	N	939
C/2003 WT_{42}	2006 06 30.91534		10 27 23.97	+39 10 51.7	16.5	T	215
C/2003 WT_{42}	2006 06 30.91568		10 27 24.00	+39 10 51.7	16.6	T	215
C/2003 WT_{42}	2006 06 30.93945		10 27 25.29	+39 10 40.0	14.9	N	A18
C/2003 WT_{42}	2006 07 01.93722		10 28 20.87	+39 01 56.6	16.4	N	232
C/2003 WT_{42}	2006 07 01.94103		10 28 21.10	+39 01 54.8	16.6	N	232
C/2003 WT_{42}	2006 07 01.94484		10 28 21.38	+39 01 52.5	16.6	N	232
C/2003 WT_{42}	2006 07 01.94636		10 28 21.38	+39 01 52.4	15.2	N	A18
C/2004 B1 (LINEAR)							
C/2004 B1	2006 05 14.31169		19 03 47.05	+10 25 04.7			834
C/2004 B1	2006 05 14.32987		19 03 43.39	+10 25 56.3			834
C/2004 B1	2006 05 31.74307		17 58 18.24	+22 52 31.0			349
C/2004 B1	2006 05 31.74390		17 58 18.04	+22 52 32.6			349
C/2004 B1	2006 05 31.74472		17 58 17.83	+22 52 34.4	12.9	T	349
C/2004 B1	2006 06 03.89075		17 45 32.46	+24 36 54.8			204
C/2004 B1	2006 06 03.89474		17 45 31.53	+24 37 02.7	14.9	N	204
C/2004 B1	2006 06 05.90372		17 37 24.64	+25 37 07.6	15.0	N	A32
C/2004 B1	2006 06 05.90603		17 37 24.07	+25 37 11.6	15.0	N	A32
C/2004 B1	2006 06 05.90777		17 37 23.65	+25 37 14.6	15.0	N	A32
C/2004 B1	2006 06 06.69135		17 34 14.66	+25 59 17.8			349
C/2004 B1	2006 06 06.69196		17 34 14.52	+25 59 18.8			349

177P	2006 06 30.95963	17 31 27.69	−18 48 50.8	16.3	N	215
177P	2006 06 30.96015	17 31 27.64	−18 48 48.3	16.3	N	215
177P	2006 06 30.96068	17 31 27.58	−18 48 45.8	16.3	N	215
177P	2006 06 30.96727	17 31 26.93	−18 48 16.0	15.8	N	A18
177P	2006 06 30.98974	17 31 24.77	−18 46 30.2	15.3	N	J76
177P	2006 06 30.99118	17 31 24.62	−18 46 23.3	15.3	N	J76
177P	2006 06 30.99407	17 31 24.31	−18 46 10.0	15.3	N	J76
177P	2006 07 01.00127	17 31 23.56	−18 45 37.4	15.6	N	939
177P	2006 07 01.00773	17 31 22.86	−18 45 07.6	15.5	N	939
177P	2006 07 01.01050	17 31 22.57	−18 44 54.7	15.6	N	939
177P	2006 07 01.87522	17 29 59.62	−17 37 24.4	16.1	N	151
177P	2006 07 01.87583	17 29 59.54	−17 37 21.5	16.2	N	151
177P	2006 07 01.87645	17 29 59.48	−17 37 18.8	16.2	N	151
177P	2006 07 01.87704	17 29 59.42	−17 37 16.2	16.1	N	151
177P	2006 07 01.87825	17 29 59.30	−17 37 10.9	16.1	N	151
177P	2006 07 01.96903	17 29 49.97	−17 30 00.3	15.4	N	A18
177P	2006 07 02.23643	17 29 24.38	−17 08 44.1	16.8	T	704
177P	2006 07 02.24688	17 29 23.55	−17 07 48.9	16.9	T	704
177P	2006 07 02.25737	17 29 22.36	−17 06 59.8	17.2	T	704
177P	2006 07 02.92601	17 28 17.97	−16 12 56.2	15.1	N	213
177P	2006 07 02.92656	17 28 17.90	−16 12 53.5	15.1	N	213
177P	2006 07 02.92740	17 28 17.81	−16 12 49.4	15.1	N	213
177P	2006 07 03.55417	17 27 17.51	−15 21 11.0	16.5	T	372
177P	2006 07 03.56111	17 27 16.75	−15 20 36.6			372
177P	2006 07 03.56910	17 27 15.89	−15 19 55.6			372
177P	2006 07 03.58021	17 27 14.76	−15 18 59.9			372
177P	2006 07 03.60556	17 27 12.21	−15 16 54.7			372
177P	2006 07 03.86426	17 26 48.08	−14 55 20.3	16.1	T	170
177P	2006 07 03.86685	17 26 47.80	−14 55 07.2	16.6	T	170
177P	2006 07 03.87519	17 26 46.95	−14 54 25.5	16.5	T	170
177P	2006 07 03.90008	17 26 44.40	−14 52 19.4	15.4	N	J97
177P	2006 07 03.90171	17 26 44.31	−14 52 12.4	15.2	N	J97
177P	2006 07 03.90333	17 26 44.19	−14 52 03.0	15.3	N	J97
177P	2006 07 03.90497	17 26 43.93	−14 51 55.6	15.4	N	J97
177P	2006 07 03.91509	17 26 42.82	−14 51 04.8	15.3	N	213
177P	2006 07 03.91911	17 26 42.42	−14 50 44.5	15.3	N	213
177P	2006 07 03.91947	17 26 42.16	−14 50 43.4			046
177P	2006 07 03.91975	17 26 42.34	−14 50 41.4	15.3	N	213
177P	2006 07 03.92044	17 26 42.08	−14 50 38.6			046
177P	2006 07 03.92238	17 26 41.86	−14 50 29.4			046
177P	2006 07 03.93296	17 26 40.97	−14 49 36.5			J70
177P	2006 07 03.93338	17 26 41.08	−14 49 28.8			J70
177P	2006 07 03.93381	17 26 41.44	−14 49 21.2			J70
177P	2006 07 03.93594	17 26 40.41	−14 49 18.6			J70
177P	2006 07 04.91759	17 25 06.97	−13 25 52.5	15.3	N	J59
177P	2006 07 04.91925	17 25 06.83	−13 25 44.1	15.2	N	J59
177P	2006 07 05.37260	17 24 24.07	−12 46 02.2	16.5	N	467
177P	2006 07 05.37679	17 24 23.64	−12 45 40.2	16.7	N	467
177P	2006 07 05.38093	17 24 23.21	−12 45 18.9	16.3	N	467
177P	2006 07 05.89865	17 23 34.01	−12 00 23.7	15.1	N	J97
177P	2006 07 05.90030	17 23 33.73	−12 00 16.6	15.0	N	J97
177P	2006 07 05.91875	17 23 31.90	−11 58 38.7	15.2	N	939
177P	2006 07 05.92059	17 23 31.71	−11 58 28.4	15.2	N	939
177P	2006 07 05.92243	17 23 31.53	−11 58 18.3	15.2	N	939
177P	2006 07 05.95331	17 23 28.40	−11 55 36.1	14.9	N	445
177P	2006 07 05.95416	17 23 28.31	−11 55 32.4	15.0	N	445
177P	2006 07 05.95693	17 23 28.09	−11 55 17.4	14.9	N	445
177P	2006 07 05.95777	17 23 27.99	−11 55 13.3	15.0	N	445
177P	2006 07 07.33579	17 21 17.84	−09 51 42.1	17.5	N	H45
177P	2006 07 07.33653	17 21 17.77	−09 51 38.1	17.5	N	H45
177P	2006 07 07.33721	17 21 17.69	−09 51 34.2	16.1	T	H45
177P	2006 07 07.34078	17 21 17.37	−09 51 14.8	16.0	T	H45

Note 1: involved with star. 2: observation with the SOHO-LASCO C2 coronagraph. 3: observation with the SOHO-LASCO C3 coronagraph. 4: crowded star field. 5: time on *MPC* 56578 corrected by +0.1 day. 6: poor sky.

OBSERVATIONS OF NATURAL SATELLITES

Observations are published here for the following observatory codes:

415 Kambah, near Canberra. Observer D. Herald. 0.36-m $f/3.9$ Schmidt-Cassegrain + CCD.

568 Mauna Kea. Observers D. C. Jewitt, S. S. Sheppard, J. Kleyna. Measurer S. S. Sheppard. Subaru 8.2-m reflector + CCD.

644 Palomar Mountain/NEAT. Observers M. Brown, R. Bambery, K. Lawrence, M. Hicks, E. Helin, R. Thicksten. 1.2-m Schmidt + CCD.

Object	Date UT	α_{2000}	δ_{2000}	Mag.	Obs.
S/2004 S 18	2000 09 23.42883	03 54 46.67	+17 54 51.9		568
S/2004 S 18	2000 09 23.55431	03 54 46.16	+17 54 50.7	24.1 R	568
S/2004 S 18	2000 09 23.62225	03 54 45.89	+17 54 50.2	24.3 R	568
S/2004 S 18	2000 09 24.43323	03 54 42.72	+17 54 42.6	23.7 R	568
S/2004 S 18	2000 09 24.49743	03 54 42.42	+17 54 41.8	23.9 R	568
S/2004 S 18	2000 09 24.56052	03 54 42.17	+17 54 40.8		568
S/2004 S 19	2004 12 12.44635	07 55 16.34	+21 00 58.0		568
S/2004 S 19	2004 12 12.46294	07 55 16.02	+21 00 59.0		568
S/2004 S 19	2004 12 12.50214	07 55 15.55	+21 00 59.6		568
S/2004 S 19	2004 12 12.50818	07 55 15.41	+21 00 59.8		568
S/2004 S 19	2004 12 14.60215	07 54 45.12	+21 02 21.9	23.8 R	568
S/2004 S 19	2004 12 14.60516	07 54 44.86	+21 02 22.3	23.5 R	568
S/2004 S 19	2004 12 14.62638	07 54 44.65	+21 02 22.3	23.5 R	568
S/2004 S 19	2004 12 14.62939	07 54 44.58	+21 02 22.6		568
S/2004 S 19	2005 01 05.59417	07 48 12.58	+21 19 05.2	22.9 R	568
S/2004 S 19	2005 01 05.61650	07 48 12.17	+21 19 06.2		568
S/2004 S 19	2005 02 07.40892	07 37 24.82	+21 43 43.8		568
S/2004 S 19	2005 02 07.42444	07 37 24.57	+21 43 44.4		568
S/2004 S 19	2005 02 08.34470	07 37 08.72	+21 44 17.5		568
S/2004 S 19	2005 02 08.38095	07 37 08.09	+21 44 18.6		568
S/2004 S 19	2005 03 09.27204	07 31 20.38	+21 55 12.6		568
S/2004 S 19	2005 03 09.30494	07 31 20.16	+21 55 12.9		568
S/2004 S 19	2006 01 05.59392	08 45 20.63	+18 48 14.0		568
S/2004 S 19	2006 01 05.65046	08 45 19.62	+18 48 19.0		568
S/2004 S 19	2006 01 06.62163	08 45 02.58	+18 49 42.6	23.5 R	568
S/2004 S 19	2006 01 06.64310	08 45 02.17	+18 49 44.9	23.5 R	568
S/2004 S 19	2006 02 01.32633	08 36 43.10	+19 28 31.0	23.5 R	568

S/2006 S 7	2006 01 06.55010	08 51 35.68	+18 23 54.1	24.8	R	568
S/2006 S 7	2006 01 06.56223	08 51 35.50	+18 23 55.3	24.9	R	568
S/2006 S 7	2006 02 01.28282	08 43 35.04	+19 00 29.2	24.7	R	568
S/2006 S 7	2006 02 01.30818	08 43 34.57	+19 00 31.5	24.8	R	568
S/2006 S 7	2006 02 02.28072	08 43 15.55	+19 01 54.2	24.9	R	568
S/2006 S 7	2006 02 02.30384	08 43 15.07	+19 01 55.6	24.7	R	568
S/2006 S 7	2006 03 07.41583	08 33 54.91	+19 40 47.5			568
S/2006 S 7	2006 03 07.44413	08 33 54.53	+19 40 48.9			568
S/2006 S 7	2006 04 29.27465	08 32 29.84	+19 48 13.5			568
S/2006 S 7	2006 04 29.32500	08 32 30.29	+19 48 11.9			568
S/2006 S 8	2004 12 12.39170	07 50 10.12	+20 42 24.7	24.7	R	568
S/2006 S 8	2004 12 12.42815	07 50 09.58	+20 42 26.2	24.6	R	568
S/2006 S 8	2004 12 14.59612	07 49 36.66	+20 44 07.4	24.8	R	568
S/2006 S 8	2004 12 14.62035	07 49 36.29	+20 44 08.0			568
S/2006 S 8	2005 01 05.60252	07 42 54.90	+21 04 05.3	24.2	R	568
S/2006 S 8	2005 01 05.62486	07 42 54.45	+21 04 06.5	24.0	R	568
S/2006 S 8	2006 01 05.58778	08 52 15.99	+18 32 52.1			568
S/2006 S 8	2006 01 05.64439	08 52 15.03	+18 32 56.7			568
S/2006 S 8	2006 01 06.55010	08 51 59.95	+18 34 09.2	24.4	R	568
S/2006 S 8	2006 01 06.56223	08 51 59.80	+18 34 10.6	24.5	R	568
S/2006 S 8	2006 02 01.28282	08 43 53.78	+19 10 53.0			568
S/2006 S 8	2006 02 01.30818	08 43 53.27	+19 10 55.1			568
S/2006 S 8	2006 02 02.28072	08 43 34.06	+19 12 17.4	24.5	R	568
S/2006 S 8	2006 02 02.30384	08 43 33.61	+19 12 19.6	24.6	R	568
S/2006 S 8	2006 03 06.28365	08 34 24.86	+19 49 42.8			568
S/2006 S 8	2006 03 06.30851	08 34 24.52	+19 49 43.9			568
S/2006 S 8	2006 04 30.25260	08 33 06.40	+19 54 58.2			568
S/2006 S 8	2006 04 30.27583	08 33 06.63	+19 54 57.2			568
Jupiter VI	2006 01 28.69946	14 58 42.09	−15 43 59.6	15.9	V	415
Jupiter VI	2006 01 28.70005	14 58 42.14	−15 43 59.6	15.9	V	415
Jupiter VI	2006 07 04.49378	14 29 42.05	−13 48 39.6	15.8	V	415
Jupiter VI	2006 07 04.49387	14 29 42.05	−13 48 40.0	15.7	V	415
Jupiter VII	2006 06 13.19779	14 32 46.25	−13 31 47.5	16.9	R	644
Jupiter VII	2006 06 13.21868	14 32 45.99	−13 31 47.6	16.9	R	644
Jupiter VII	2006 06 13.23969	14 32 45.72	−13 31 47.7	16.9	R	644
Jupiter VII	2006 06 20.20420	14 31 33.42	−13 33 23.2	16.9	R	644
Jupiter VII	2006 06 20.22558	14 31 33.22	−13 33 23.6	16.9	R	644
Jupiter VII	2006 06 20.24727	14 31 33.02	−13 33 24.2	16.9	R	644
Jupiter VII	2006 07 04.50172	14 30 18.58	−13 42 49.5	17.4	V	415
Jupiter VII	2006 07 04.50336	14 30 18.58	−13 42 49.8	17.3	V	415
Jupiter VIII	2006 06 13.19779	14 29 06.73	−12 48 59.2	17.5	R	644
Jupiter VIII	2006 06 13.21868	14 29 06.30	−12 48 58.4	17.5	R	644
Jupiter VIII	2006 06 13.23969	14 29 05.87	−12 48 57.5	17.6	R	644
Jupiter VIII	2006 06 20.20420	14 27 02.01	−12 46 18.8	17.3	R	644
Jupiter VIII	2006 06 20.22558	14 27 01.66	−12 46 18.5	17.2	R	644
Jupiter VIII	2006 06 20.24727	14 27 01.32	−12 46 18.3	17.2	R	644
Jupiter VIII	2006 07 04.51237	14 24 35.69	−12 50 19.0	17.5	V	415
Jupiter VIII	2006 07 04.51524	14 24 35.66	−12 50 19.0	18.0	V	415
Jupiter IX	2006 06 13.19779	14 20 41.24	−13 10 31.7	18.5	R	644
Jupiter IX	2006 06 13.21868	14 20 40.95	−13 10 30.9	18.5	R	644
Jupiter IX	2006 06 13.23969	14 20 40.60	−13 10 30.1	18.4	R	644
Jupiter IX	2006 06 20.20420	14 19 16.17	−13 06 52.6	18.3	R	644
Jupiter IX	2006 06 20.22558	14 19 15.93	−13 06 52.0	18.1	R	644
Jupiter IX	2006 06 20.24727	14 19 15.71	−13 06 51.6	18.2	R	644
Jupiter X	2006 06 13.19661	14 30 34.11	−13 11 47.5	18.5	R	644
Jupiter X	2006 06 13.21749	14 30 33.65	−13 11 44.8	18.4	R	644
Jupiter X	2006 06 13.23844	14 30 33.17	−13 11 42.5	18.3	R	644
Jupiter X	2006 06 20.20537	14 28 20.04	−13 00 24.9	18.6	R	644
Jupiter X	2006 06 20.22676	14 28 19.69	−13 00 23.0	18.4	R	644
Jupiter X	2006 06 20.24845	14 28 19.31	−13 00 21.2	18.2	R	644
Jupiter XI	2006 06 20.20420	14 23 21.62	−13 06 20.2	17.9	R	644
Jupiter XI	2006 06 20.22558	14 23 21.36	−13 06 19.5	17.7	R	644
Jupiter XI	2006 06 20.24727	14 23 21.10	−13 06 17.8	17.8	R	644
Jupiter XII	2006 06 20.20537	14 19 43.54	−13 49 23.0	19.2	R	644
Jupiter XII	2006 06 20.22676	14 19 43.34	−13 49 22.2	19.2	R	644
Jupiter XII	2006 06 20.24845	14 19 43.14	−13 49 21.1	19.1	R	644
Jupiter XII	2006 07 04.47228	14 18 39.69	−13 43 54.9	19.1	V	415
Jupiter XII	2006 07 04.48256	14 18 39.69	−13 43 55.0	19.5	V	415
Neptune II	2006 07 04.68253	21 27 18.70	−15 12 07.6	19.5	V	415
Neptune II	2006 07 04.68954	21 27 18.66	−15 12 07.8	19.6	V	415
Neptune II	2006 07 06.68310	21 27 09.27	−15 12 53.8	19.1	V	415
Neptune II	2006 07 06.69012	21 27 09.23	−15 12 53.8	19.2	V	415
Neptune II	2006 07 08.71360	21 26 59.35	−15 13 42.1	19.6	V	415
Neptune II	2006 07 08.72063	21 26 59.31	−15 13 42.5	19.3	V	415
Saturn XXVI	2006 05 27.25660	08 38 04.74	+19 26 31.8			568
Saturn XXVI	2006 05 27.28368	08 38 05.37	+19 26 30.0			568
Saturn XXVI	2006 05 28.25278	08 38 25.23	+19 25 09.7	22.5	R	568
Saturn XXVI	2006 05 28.27917	08 38 25.76	+19 25 07.7			568
Saturn XXVI	2006 05 30.26667	08 39 07.28	+19 22 20.5			568
Saturn XXVI	2006 05 30.29375	08 39 07.76	+19 22 18.5			568

RADAR OBSERVATIONS

Doppler/delay observations are published here for the following transmission/reception (Tx/Rc) sites: 251 Arecibo. 253 Goldstone DSS 14, Fort Irwin.

Object	Date UTC	Doppler/Hz	Delay/μs	MHz	B	Tx/Rc
2004 DC	2006 05 29 074000	+ 601427.0 ± 0.5		8560	C	253/253
2004 DC	2006 05 29 084000		46945048 ± 10	8560	C	253/253
2004 DC	2006 05 29 100000		46608670.6 ± 1.0	8560	C	253/253
2004 DC	2006 05 29 122000		46023465.59 ± 0.50	8560	C	253/253
2004 DC	2006 05 30 140000		39902087.22 ± 0.50	8560	C	253/253
2004 DC	2006 06 02 111000		27567006.60 ± 0.50	2380	C	251/251
2004 DC	2006 06 02 123000		27427724.97 ± 0.50	2380	C	251/251
2004 DC	2006 06 03 151000		25809317.50 ± 0.50	8560	C	253/253

OBSERVATIONS OF PLUTO

Observations are published here for the following observatory codes:

118 Modra. Observers Š. Gajdoš, J. Világi. 0.6-m $f/5.5$ reflector + CCD.
673 Table Mountain Observatory, Wrightwood. Observers W. M. Owen, Jr., T. Tran, F. I. Wulke, P. Basu, U. Young. Measurer W. M. Owen, Jr. 0.61-m $f/16$ reflector + CCD.

	Date UT	α_{2000}	δ_{2000}	Mag.	N Obs.
Pluto	2006 06 02.299963	17 42 18.318	−15 41 27.48		673
Pluto	2006 06 02.303107	17 42 18.298	−15 41 27.49		673
Pluto	2006 06 03.312315	17 42 11.982	−15 41 27.05		673

Pluto	2006 06 03.315480	17 42 11.961	−15 41 27.02		673
Pluto	2006 06 03.318678	17 42 11.941	−15 41 27.09		673
Pluto	2006 06 10.97167	17 41 23.15	−15 41 31.6	14.3 R	118
Pluto	2006 06 26.214716	17 39 44.505	−15 42 23.84		673
Pluto	2006 06 26.218367	17 39 44.482	−15 42 23.87		673

OBSERVATIONS OF MINOR PLANETS

The summary lists, for each observatory code, provide a count of the total number of observations, of the number of objects and of the number of discoveries followed by an asterisk, together with the total range of dates covered by the observations.

012 Uccle

E. W. Elst, Koninklijke Sterrenwacht van België, Ringlaan 3, B-1180 Brussels, Belgium [Eric.Elst@oma.be] (1)
T. Pauwels, Koninklijke Sterrenwacht van België, Ringlaan 3, B-1180 Brussels, Belgium [Thierry.Pauwels@oma.be] (2)
P. De Cat, Koninklijke Sterrenwacht van België, Ringlaan 3, B-1180 Brussels, Belgium [peter@oma.be] (5)
Observers P. De Cat, T. Pauwels, E. Elst, H. Debehogne
0.85-m f/2.5 Schmidt + CCD
Tycho-2, GSC-1.2
{1} *[17, 4, 0∗, 2006/07/01–2006/07/02]*

{2} *[134, 26, 0∗, 1999/09/09–2006/07/04]*

{5} *[163, 24, 1∗, 2006/03/18–2006/04/24]*

024 Heidelberg-Königstuhl

F. Hormuth, Max-Planck-Institut für Astronomie, Königstuhl, D-69117 Heidelberg, Germany [hormuth@mpia.de]
0.70-m reflector + CCD
UCAC-2
[6, 2, 0∗, 2006/03/23–2006/04/06]

046 Kleť

J. Tichá, Hvězdárna Kleť, Zátkovo nábřeží 4, CZ-37001 České Budějovice, South Bohemia, Czech Republic [klet@klet.cz]
Observers M. Tichý, M. Kiriakov, J. Tichá
0.57-m f/5.2 reflector + CCD
USNO-A2.0
[17, 3, 0∗, 1986/11/07–2006/07/04]

048 Hradec Králové

M. Lehký, Severni 765, CZ-50003 Hradec Králové 3, Czech Republic
Observers M. Lehký, P. Horalek
0.40-m f/5 reflector + CCD
USNO-SA2.0
[15, 1, 0∗, 2006/05/03–2006/05/10]

049 Uppsala-Kvistaberg

C.-I. Lagerkvist, Uppsala Astronomical Observatory, Box 515, S-751 20 Uppsala, Sweden [classe@astro.uu.se]
G. Hahn, DLR - Institute Space Sensor Technology and of Planetary Exploration, Rutherfordstrasse 2, D-12489 Berlin, Germany [Gerhard.Hahn@DLR.de]
Observers O. Karlsson, C.-I. Lagerkvist, T. Oja, J. Näränen
Measurers G. Hahn, O. Karlsson, C.-I. Lagerkvist, S. Mottola, J. Warell
1.0-m Schmidt + CCD
USNO-SA2.0
[33, 11, 0∗, 2000/09/24–2003/04/05]

071 Rhozen

V. Ivanova, Institute of Astronomy, 72 Tsarigradsko Schosse Blvd., BG-11784 Sofia, Bulgaria [ivanova@astro.bas.bg]
Observers G. Apostolovska, A. Kostov, V. Krumov, B. Bilkina
Measurers B. Bilkina, V. Ivanova
0.50-m f/3.44 Schmidt + CCD
GSC-1.1
[70, 15, 0∗, 2006/03/03–2006/05/31]

084 Pulkovo

A. V. Devyatkin, Pulkovo Observatory, Russian Academy of Sciences, Pulkovskoe shosse 65, St. Petersburg 196140, Russia [adev@gao.spb.su]
Observers A. S. Bekhteva, D. L. Gorshanov, V. V. Kouprianov, E. Yu. Aleshkina, O. V. Krakosevich, K. V. Barshevich, F. M. Ibragimov
Measurers A. V. Devyatkin, G. D. Baturina, A. S. Bekhteva
0.32-m f/10 reflector + CCD
UCAC-2, USNO-B1.0
[195, 32, 0∗, 2006/02/02–2006/02/27]

089 Nikolaev

A. V. Ivantsov, 1 Observatornaya vul., Nikolaev Astronomical Observatory, UA-54030 Mykolaiv, Ukraine [anatoly@mao.nikolaev.ua]
Observers A. V. Ivantsov, V. N. Pyshnenko
Measurers A. V. Ivantsov, Zh. A. Pozhalova
0.12-m f/17.0 refractor + CCD
UCAC-2
[51, 1, 0∗, 2005/04/02–2005/04/14]

097 Wise Observatory, Mitzpeh Ramon

E. Ofek, Wise Observatory, Tel-Aviv University, IL-69978 Tel-Aviv, Israel [Eran@wise.tau.ac.il]
Observer D. Polishook
1.0-m f/7 reflector + CCD
USNO-A2.0
[151, 32, 0∗, 2004/08/23–2006/05/29]

104 San Marcello Pistoiese

L. Tesi, Osservatorio di Pian dei Termini, Viale Panoramico 45, I-51028 San Marcello Pistoiese (PT), Italy [iau@arcetri.astro.it]
Observers L. Tesi, M. Tombelli, G. Fagioli, M. Mazzucato, F. Dolfi
Measurers G. Forti, L. Tesi
0.60-m f/4 reflector + CCD
USNO-A2.0
[150, 34, 0∗, 1998/07/20–2006/06/27]

106 Crni Vrh

H. Mikuž, Kersnikova 11, SI-61000 Ljubljana, Slovenia [herman.mikuz@uni-lj.si]
Observers J. Skvarč, S. Matičič
0.60-m f/3.3 Deltagraph + CCD
UCAC-2

[2024, 485, 3∗, 2003/08/26–2006/06/26]

108 Montelupo
M. Tombelli, Via Bozzeto 26, I-50056 Montelupo (Fi), Italy [iau@arcetri.astro.it]
Observers M. Tombelli, L. Tesi, E. Masotti, M. Gherardini, A. Boattini
Measurers M. Tombelli, L. Tesi, S. Bartolini, G. Forti, M. Gherardini, E. Masotti, A. Boattini
0.30-m $f/5.7$ Schmidt-Cassegrain + CCD
USNO-A2.0
[3, 1, 0∗, 1996/09/10]

113 Volkssternwarte Drebach, Schoenbrunn
G. Lehmann, Persterstrasse 6h, D-09430 Drebach, Germany [g.lehmann@abo.freiepresse.de]
Observers G. Lehmann, A. Knöfel
0.5-m $f/5$ reflector + CCD
UCAC-2, USNO-A2.0
[136, 37, 0∗, 2006/03/19–2006/05/03]

118 Modra
A. Galád, AGO MFF UK, P.O. Box 4, SK-90001 Modra, Slovakia [ago@fmph.uniba.sk]
Observers L. Kornoš, J. Világi, Š. Gajdoš, A. Galád
0.6-m $f/5.5$ reflector + CCD
UCAC-2, USNO-B1.0, USNO-A2.0
[155, 45, 0∗, 2006/02/27–2006/07/04]

120 Višnjan
K. Korlević, Istarska 5, HR-51463 Višnjan, Croatia [korado@visnjan.hr]
0.41-m $f/4.3$ reflector + CCD
USNO-B1.0
[2, 1, 0∗, 1998/11/28]

127 Bornheim
N. Ehring, Stationenweg 54, D-53332 Bornheim, Germany [norbert.ehring@t-online.de]
0.30-m $f/3.2$ astrograph + CCD
USNO-A2.0
[181, 21, 0∗, 2006/03/14–2006/07/03]

130 Lumezzane
S. Foglia, C. Gariboldi 11, I-28100 Novara Veveri, Italy [s.foglia@libero.it]
Observers W. Marinello, M. Micheli, G. Pizzetti, A. Soffiantini, M. Casali
0.40-m $f/4.5$ reflector + CCD
UCAC-2, USNO-A2.0, USNO-B1.0
[80, 23, 0∗, 2006/04/08–2006/06/26]

138 Village-Neuf
C. Demeautis, 9 rue de Huningue, F-68300 Saint-Louis, France [Sky.walker@wanadoo.fr]
Observers C. Demeautis, D. Matter
0.35-m $f/3.4$ reflector + CCD, 0.16-m $f/3.4$ Newtonian reflector + CCD, 0.2-m $f/10$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0, USNO-A2.0
[27, 5, 0∗, 2006/05/02–2006/07/03]

143 Gnosca
S. Sposetti, CH-6525 Gnosca, Switzerland [stefanosposetti@freesurf.ch]
Observer S. Sposetti
Measurers S. Sposetti, R. Casamassa, A. Lettieri, M. Pavic, L. Rullo, M. Sacco
0.40-m $f/4$ reflector + CCD
UCAC-2
[73, 20, 0∗, 2005/12/09–2006/07/01]

147 Osservatorio Astronómico di Suno
S. Foglia, C. Gariboldi 11, I-28100 Novara Veveri, Italy [s.foglia@libero.it]
Observers D. Crespi, S. Foglia, G. Galli, S. Minuto
0.40-m $f/4$ reflector + CCD
UCAC-2, USNO-A2.0
[16, 5, 0∗, 2006/03/31–2006/04/08]

151 Eschenberg Observatory, Winterthur
M. Griesser, Breitenstrasse 2, CH-8542 Wiesendangen, Switzerland [griesser@spectraweb.ch]
0.40-m $f/5.8$ Cassegrain + CCD
USNO-B1.0, UCAC-2
[190, 33, 1∗, 2006/03/19–2006/07/03]

152 Moletai Astronomical Observatory
K. Černis, Institute of Theoretical Physics and Astronomy, Gostauto 12, LT-2000 Vilnius, Lithuania [cernis@itpa.lt]
Observers K. Černis, J. Zdanavicius, H. Selevicius
0.35-m $f/3.5$ reflector + CCD
USNO-A2.0, USNO-B1.0
[183, 61, 0∗, 2002/03/16–2006/04/25]

153 Stuttgart-Hoffeld
R. Stuber, Hoffeldstrasse 121, D-70597 Stuttgart, Germany [mail@rolfstuber.de]
0.25-m $f/7.2$ Schmidt-Cassegrain + CCD
UCAC-2
[17, 2, 0∗, 2006/03/18–2006/03/20]

157 Frasso Sabino
A. Pelloni, via Oratorio Damasiano 15, I-00148 Rome, Italy [mc3657@mclink.it]
F. Anzellini [f.anzellini@alice.it]
Observers R. Haver, F. Anzellini, M. Calabresi, R. Albanesi, F. Porcellana, A. Ederoclite, R. Gorelli, P. Caponnetto
0.20-m $f/6.5$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-A2.0
[92, 20, 0∗, 2006/03/25–2006/06/24]

160 Castelmartini
E. Prosperi, Via Bartolini 127, I-51030 Castelmartini (PT), Italy
0.35-m $f/10$ Schmidt-Cassegrain + CCD
USNO-B1.0
[131, 20, 0∗, 2006/05/24–2006/06/29]

163 Roeser Observatory, Luxembourg
M. Dawson, 66 Rue Boch, L-1244 Luxembourg, Luxembourg [dawson@pt.lu]
Observers M. Dawson, E. Buttini
0.5-m $f/4$ reflector + CCD
USNO-A2.0

[23, 8, 1∗, 2006/03/19–2006/05/24]

170 Observatorio de Begues
J. Manteca, c/Santpere, no. Casa 22, E-08859 Begues, Barcelona, Spain [jmantecav@nexo.es]
0.36-m Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0
[58, 16, 0∗, 2006/05/26–2006/07/04]

176 Observatori Astronomic de Consell
À. López, Apartado de correos 122, E-07320 Santa Maria, Mallorca, Spain [obsconsell@wanadoo.es]
Observers À. López, R. Pacheco
0.41-m $f/4$ reflector + CCD
UCAC-2
[111, 19, 0∗, 2006/03/24–2006/06/30]

185 Vicques
M. Ory, 30 Rue Beridier, CH-2800 Delemont, Switzerland [pivatte@bluewin.ch]
0.61-m $f/3.88$ reflector + CCD
UCAC-2, USNO-B1.0
[1393, 449, 2∗, 2006/03/17–2006/06/24]

198 Wildberg
R. Apitzsch, Schwarzwaldstrasse 17-2, D-72218 Wildberg, Germany [astrowild@astro-wildberg.de]
0.35-m $f/4.2$ reflector + CCD
USNO-B1.0
[357, 72, 0∗, 2006/03/01–2006/07/05]

201 Jonathan B. Postel Observatory
V. Pozzoli, V. le Morandi 21, I-20010 Bareggio, Italy [vpozzoli@inwind.it]
0.30-m $f/10$ Schmidt-Cassegrain + CCD, 0.40-m $f/9$ Cassegrain + CCD
USNO-A2.0
[20, 6, 0∗, 2004/12/05–2005/02/09]

203 GiaGa Observatory
G. Galli, via Mozart 4, Pogliano Milanese (MI), Italy [gllgianni@tiscalinet.it]
0.13-m $f/6.4$ refractor + CCD
UCAC-2
[42, 17, 0∗, 2006/05/30–2006/06/26]

204 Schiaparelli Observatory
F. Bellini, via A. del Sarto 3, I-21100 Varese, Italy [astrogeo@astrogeo.va.it]
Observers L. Buzzi, F. Luppi
0.60-m $f/4.64$ reflector + CCD
USNO-B1.0, UCAC-2
[157, 51, 2∗, 2006/03/02–2006/06/30]

209 Asiago Observatory, Cima Ekar-ADAS
C. Barbieri, Astronomical Observatory and Dept. of Astronomy of the University of Padova, Vicolo Osservatorio 5, I-35122 Padova, Italy [barbieri@pd.astro.it]
G. Hahn, DLR-Institute of Space Sensor Technology and Planetary Exploration Rutherfordstrasse 2, D-12489 Berlin, Germany [Gerhard.Hahn@DLR.de]
Observers C. Barbieri, G. Pignata, S. Magrin, I. Bertini
Measurers G. Pignata, S. Magrin, G. Hahn, M. Hoffmann, S. Mottola
0.67-m $f/1.4$ Schmidt + CCD
GSC-1.1, USNO-SA2.0
[72, 23, 0∗, 2001/02/11–2003/02/26]

213 Observatorio Montcabre
R. Naves N., c/o J. Balmes, no. 24 Cabrils, E-08348 Barcelona, Spain [rnaves@eresmas.com]
Observer R. Naves
Measurer M. Campas
0.30-m $f/10$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0, USNO-A2.0
[22, 7, 0∗, 2006/03/16–2006/07/03]

215 Buchloe
W. Hasubick, Fischerweg 24, D-86807 Buchloe, Germany [werner.hasubick@t-online.de]
0.44-m $f/4.6$ reflector + CCD
UCAC-2, USNO-A2.0
[11, 5, 0∗, 2006/03/19–2006/05/21]

224 Ottmarsheim
C. Rinner, 5 rue du lièvre, F-68490 Ottmarsheim, France [rinnerc@wanadoo.fr]
0.4-m $f/3$ reflector + CCD
USNO-A2.0
[905, 284, 6∗, 2006/03/18–2006/07/09]

232 Masquefa Observatory
E. Reina L., Pl. Virgen de Montserrat, 1 Etlo. 2 B, E-08901 Hospitalet, Spain [estrei@terra.es]
0.25-m $f/3.3$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-A2.0, USNO-B1.0
[3, 1, 0∗, 2006/03/31]

233 San Vito
S. Donati, Sauro Donati Astronomical Observatory, San Vito, Lucca, Italy [saurdon@tin.it]
0.25-m $f/10$ Schmidt-Cassegrain + CCD
USNO-A1.0
[9, 3, 0∗, 2006/05/26–2006/05/30]

235 CAST Observatory, Talmassons
R. Ligustri, Circulo Astrofili Talmassons Observatory, Talmassons (UD), Italy [ligustri.rolando@tin.it]
0.35-m $f/5$ reflector + CCD
USNO-A2.0
[1, 1, 0∗, 2006/03/19]

240 Herrenberg
H. Michels, Enstr. 10, D-71083 Herrenberg, Germany [Helmut@sternwarte-herrenberg.de]
0.40-m $f/5$ reflector + CCD
UCAC-2
[253, 61, 0∗, 2006/03/18–2006/07/02]

246 Kleť Observatory-KLENOT
J. Tichá, Hvězdárna Kleť, Zátkovo nábřeží 4, CZ-37001 České Budějovice, South Bohemia, Czech Republic [klet@klet.cz]

Observers M. Tichý, J. Tichá, M. Kočer, M. Kiriakov
1.06-m KLENOT Telescope + CCD
USNO-A2.0
[237, 39, 0∗, 2002/03/13–2006/05/06]

250 Hubble Space Telescope
M. McMaster, Space Telescope Science Institute, 3700 San Martin Drive, Baltimore, MD 21218, U.S.A. [mcmaster@stsci.edu]
Measurers G. Bernstein, D. Trilling
2.4-m reflector + f/28.3 CCD, 2.4-m reflector + f/12.9 CCD
GSC
[16, 2, 0∗, 2000/06/21–2001/07/15]

260 Siding Spring-DSS
A. Gnädig, c/o Archenhold-Sternwarte, Alt-Treptow 1, D-12435 Berlin, Germany [gnadig@mind.de] (1)
V. S. Casulli, Via M. Rosa 1, I-00010 Colleverde di Guidonia (RM), Italy [v.casulli@priminet.it] (3)
A. Lowe, 1412 70 Avenue SW, Calgary, AB T2V 0R3, Canada [andrew.lowe@encana.com] (4)
E. Colombini, Via Manfredini 26, I-41043 Formigine (MO) Italy [ermes.colombini@tin.it] (5)
F. Anzellini, Via Salvo D'Acquisto 1/i, I-02047 Poggio Mirteto (RI), Italy [f.anzellini@alice.it] (9)
R. Matson, 8 Merano Ct., Newport Coast, CA 92657, U.S.A. [matsonr@saic.com] (15)
M. Meyer, Johann-Strauss-Str. 26, D-65779 Kelkheim, Germany [maik@comethunter.de] (16)
G. Forti, Osservatorio Astrofisico di Arcetri, Largo E. Fermi 5, I-50125 Florence, Italy [forti@arcetri.astro.it] (18)
1.2-m Schmidt
USNO-A2.0, USNO-B1.0, USNO-SA2.0
{15} *[4, 2, 0∗, 1975/06/08–1976/03/30]*

{16} *[2, 1, 0∗, 1995/05/29]*

{18} *[2, 1, 0∗, 1988/03/13]*

{1} *[5, 2, 0∗, 1976/05/29–1996/04/18]*

{3} *[2, 1, 0∗, 1996/09/08]*

{4} *[4, 2, 0∗, 1988/07/12–1988/11/03]*

{5} *[2, 1, 0∗, 1980/07/12]*

{9} *[4, 2, 0∗, 1983/10/08–1997/11/05]*

261 Palomar-DSS
A. Gnädig, c/o Archenhold-Sternwarte, Alt-Treptow 1, D-12435 Berlin, Germany [gnadig@mind.de] (1)
V. S. Casulli, Via M. Rosa 1, I-00010 Colleverde di Guidonia (RM), Italy [v.casulli@priminet.it] (3)
A. Lowe, 1412 70 Avenue SW, Calgary, AB T2V 0R3, Canada [andrew.lowe@encana.com] (4)
E. Colombini, Via Manfredini 26, I-41043 Formigine (MO) Italy [ermes.colombini@tin.it] (5)
F. Anzellini, Via Salvo D'Acquisto 1/i, I-02047 Poggio Mirteto (RI), Italy [f.anzellini@alice.it] (9)
R. Matson, 8 Merano Ct., Newport Coast, CA 92657, U.S.A. [matsonr@saic.com] (15)
G. Forti, Osservatorio Astrofisico di Arcetri, Largo E. Fermi 5, I-50125 Florence, Italy [forti@arcetri.astro.it] (18)
Q. Ye, Room 404, 12 Huasheng Street, Guangzhou, China [yedawei@tom.com] (27)
1.2-m Schmidt
USNO-A2.0, USNO-B1.0, UCAC-2, USNO-SA1.0
{15} *[2, 1, 0∗, 1993/12/10]*

{18} *[2, 1, 0∗, 1991/12/07]*

{1} *[14, 2, 0∗, 1954/07/03–1992/12/31]*

{3} *[2, 1, 0∗, 1996/01/14]*

{4} *[8, 3, 0∗, 1991/01/23–1995/03/29]*

{5} *[2, 1, 0∗, 1993/01/28]*

{9} *[8, 4, 0∗, 1986/09/01–1994/06/06]*

{27} *[12, 3, 3∗, 1992/08/25–1992/08/27]*

262 European Southern Observatory-DSS
F. Anzellini, Via Salvo D'Acquisto 1/i, I-02047 Poggio Mirteto (RI), Italy [f.anzellini@alice.it]
Measurer G. Forti
1.0-m Schmidt
USNO-B1.0
[2, 1, 0∗, 1986/03/05]

290 Mt. Graham
W. Romanishin, Dept. of Physics and Astronomy, University of Oklahoma, Norman, OK 73019, U.S.A. [wjr@mail.nhn.ou.edu] (2)
W. H. Ryan, MRO Program Office, New Mexico Tech, Socorro, NM 87801, U.S.A. [bryan@mailaps.org] (3)
C. W. Hergenrother, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [chergen@pirl.lpl.arizona.edu] (4)
Observers W. Ryan, W. H. Ryan, S. Tegler, G. Consolmagno, C. W. Hergenrother, J. Keller
Measurers W. H. Ryan, W. Romanishin, C. W. Hergenrother
1.8-m f/9.0 reflector + CCD
USNO-B1.0, USNO-A2.0
{2} *[6, 1, 0∗, 2006/04/02–2006/04/03]*

{3} *[23, 4, 0∗, 2005/10/28–2006/03/06]*

{4} *[38, 9, 0∗, 2006/04/27–2006/05/01]*

291 LPL/Spacewatch II
R. S. McMillan, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [bob@lpl.arizona.edu]
Observers A. S. Descour, T. H. Bressi, M. T. Read, A. F. Tubbiolo, J. V. Scotti, R. S. McMillan, T. Gehrels
Measurers A. S. Descour, T. H. Bressi, M. T. Read, A. F. Tubbiolo, J. V. Scotti, R. S. McMillan, T. Gehrels, J. L. Montani

1.8-m $f/2.7$ reflector + CCD
USNO-SA2.0
[11595, 3262, 99∗, 2001/04/24–2006/06/23]

294 Astrophysical Obs., College of Staten Island
I. Robbins, The College of Staten Island, 2800 Victory Boulevard, Staten Island, NY 10314, U.S.A. [robbins@postbox.csi.cuny.edu]
0.41-m $f/10$ Schmidt-Cassegrain + CCD
UCAC-2
[6, 1, 0∗, 2006/05/22–2006/05/24]

300 Bisei Spaceguard Center–BATTeRS
S. Isobe, National Astronomical Observatory, Mitaka, Tokyo 181, Japan [isobesz@cc.nao.ac.jp]
Observers A. Asami, D. J. Asher, N. Hashimoto, S. Isobe, D. Kuroda, K. Nishiyama, S. Okumura, Y. Oshima, J. Terazono, T. Urata, M. Yoshikawa, O. A. Asami, S. Urakawa
1.0-m $f/3.0$ reflector + CCD, 0.5-m $f/2.0$ reflector + CCD, 0.25-m $f/5.0$ reflector + CCD
GSC-ACT
[1482, 298, 0∗, 2006/03/03–2006/06/06]

304 Las Campanas Observatory
S. D. Kern, Dept. of Earth, Atmospheric and Planetary Sciences, Bldg. 54-416, Massachusetts Institute of Technology, Cambridge, MA 02139, U.S.A. [susank@mit.edu]
Observers P. L. Schechter, E. Adams, S. D. Kern, S. Lee
Baade 6.5-m telescope + CCD
USNO-B1.0
[32, 16, 0∗, 2006/02/22–2006/04/22]

309 Cerro Paranal.
B. Gladman, Dept. of Physics and Astronomy, University of British Columbia, 6224 Agricultural Road, Vancouver, BC V6T 1Z1, Canada [gladman@astro.ubc.ca]
8.2-m $f/3$ VLT UT-1 + CCD
USNO-B1.0
[15, 4, 0∗, 2005/08/01–2005/08/03]

327 Peking Observatory, Xinglong Station
J. Zhu, National Astronomical Observatories, Chinese Academy of Sciences, 20A Datun Road, Chaoyang District, Beijing 100012, People's Republic of China [zj@bac.pku.edu.cn]
Observers J. Zhu, X. Zhou, S. J. Xue, J. Ma, H. Wu, X. M. Teng, C. H. Liu, S. L. Kong
Measurers X. M. Teng, S. L. Kong, C. H. Liu, J. Zhu
0.60-m Schmidt + CCD
[123, 34, 0∗, 1995/09/16–1998/12/16]

333 Desert Eagle Observatory
W. K. Y. Yeung, 139 Sandringham Place NW, Calgary, AB T3K 3V8, Canada [Calgarian@canada.com]
0.45-m $f/3$ Schmidt-Cassegrain + CCD
USNO-A2.0, GSC-ACT
[28, 10, 0∗, 2001/09/21–2004/09/22]

344 Bohyunsan Optical Astronomy Observatory
M.-Y. Chun, Korea Astronomy Observatory, San 36-1, Wha-am Dong, Yu-sung Gu, Daejon 305-348, Korea [mychun@boao.re.kr]
Observers Y.-B. Jeon, K. H. Kim, M. S. Kim
1.8-m $f/8$ reflector + CCD
GSC
[13, 6, 0∗, 2000/10/29–2002/02/18]

349 Ageo
K. Kadota, 77-1-3-12-204, Koshikiya, Ageo, Saitama-ken, 362-0064 Japan [kenic-k@astroarts.co.jp]
0.25-m $f/5.0$ reflector + CCD
GSC-ACT
[2, 1, 0∗, 2006/03/04]

355 Hadano
A. Asami, 28-1 Nishitawara, Hadano, Kanagawa-Ken 257, Japan [asami@st.rim.or.jp]
0.28-m $f/5.0$ reflector + CCD
UCAC-2, USNO-B1.0, GSC-ACT
[53, 9, 0∗, 2006/03/15–2006/05/05]

360 Kuma Kogen
A. Nakamura, Shimo-Hatanokawa, Kuma, Kamiukena-Gun, Ehime-Ken 791-1212, Japan [a-nakamu@mx2.nisiq.net]
0.60-m $f/5.8$ Ritchey-Chrétien + CCD
GSC-ACT, USNO-A2.0
[3, 1, 0∗, 2002/02/15]

376 Uenohara
N. Kawasato, 3-11-10, Hana-Koganei, Kodaira, Tokyo 187, Japan
0.30-m reflector + CCD
GSC
[2, 1, 0∗, 1998/11/25]

379 Hamamatsu-Yuto
S. Wakuda, Ufumi 9425-20, Yuto-cho, Hamana-gun, Shizuoka-ken 431-0102, Japan [caa54120@pop06.odn.ne.jp]
0.25-m $f/5.0$ Schmidt-Cassegrain + CCD
GSC-ACT, UCAC-2, USNO-B1.0
[507, 26, 0∗, 2006/03/15–2006/07/03]

381 Kiso
Y. Ohba, Graduate School of Science, University of Tokyo, Araku 866-152, Iruma, Saitama-ken 358-0031, Japan [ohba@planeta.sci.isas.ac.jp]
Observers M. Abe, M. Ishiguro, Y. Takagi, Y. Ohba
Measurer Y. Ohba
1.05-m Kiso Schmidt + CCD
GSC
[2, 1, 0∗, 1996/01/16]

408 Nyukasa
M. Hirasawa, 6-62, Minami Koshigaya 1 Chome, Koshigaya, Saitama-Kem, 343 Japan
Observers A. Nakanishi, H. Kurosaki, A. Nakajima
Measurers F. Futaba, A. Nakajima, H. Kurosaki

0.25-m $f/5.1$ Ritchey-Chrétien + CCD, 0.35-m $f/3.6$ reflector + CCD
GSC-ACT
[638, 141, 27∗, 2006/01/24–2006/05/31]

413 Siding Spring
R. H. McNaught, Research School of Astronomy and Astrophysics, Siding Spring Observatory, Coonabarabran, NSW 2357, Australia [rmn@aaocbn.aao.gov.au] (1)
G. J. Garradd, P.O. Box 157, Tamworth, NSW 2340, Australia [loomberah@ozemail.com.au] (2)
C.-I. Lagerkvist, Uppsala Observatory, Box 515, S-75120 Uppsala, Sweden [classe@astro.uu.se] (8)
1.0-m $f/8$ reflector + CCD
UCAC-2
{1} *[31, 10, 0∗, 1979/06/29–2005/07/03]*

{2} *[3, 1, 0∗, 2002/01/13]*

{8} *[3, 3, 0∗, 1993/04/16–1993/04/18]*

415 Kambah, near Canberra
D. Herald, P.O. Box 254, Woden, ACT 2606, Australia [DRHerald@bigpond.net.au]
0.36-m $f/3.9$ Schmidt-Cassegrain + CCD
USNO-B1.0
[110, 30, 3∗, 2006/03/22–2006/07/07]

423 North Ryde
S. G. McAndrew, 2/32 Twin Rd, North Ryde, NSW 2113, Australia [stevemca@tpg.com.au]
0.20-m $f/4$ hyperbolic astrograph + CCD
UCAC-2
[121, 25, 0∗, 2006/03/23–2006/07/08]

428 Reedy Creek
J. Broughton, 18 Branch Crescent, Reedy Creek, QLD 4228, Australia [reedycrk@bigpond.com]
0.51-m reflector + CCD
UCAC-2, USNO-SA2.0
[2242, 749, 92∗, 2006/02/24–2006/07/03]

434 S. Benedetto Po
M. Esornati, via Romana 41, Moglia (MN), Italy [esormar@tin.it]
Observers M. Esornati, A. Righelli
0.42-m $f/5$ reflector + CCD
USNO-A2.0
[36, 7, 0∗, 2006/03/23–2006/04/21]

442 Gualba Observatory
A. Sánchez, Masia cortinas, 52 Bajos, E-08474 Gualba, Spain [mpc442@telefonica.net]
0.36-m Schmidt-Cassegrain + CCD
USNO-A2.0
[3, 1, 0∗, 2006/06/03]

443 Obs. Astronómico Plomer, Buenos Aires
S. Arlia, Tres Lomas 496, AR-1702 Ciudadela, Buenos Aires, Argentina [saverio@sinectis.com.ar]
0.15-m $f/6.0$ reflector
ACT
[12, 1, 0∗, 1998/03/03–1998/03/23]

446 Kingsnake Observatory
J. V. McClusky, 8370 Alternate 90, Seguin, TX 78155, U.S.A. [jmcclusky@tlu.edu]
0.45-m $f/4.5$ Newtonian + CCD
UNSO-A2.0, UCAC-2
[10, 4, 0∗, 2002/06/15–2003/11/29]

448 Desert Moon Observatory
B. Stevens, 5675 Real del Norte, Las Cruces, NM 88012, U.S.A. [bstevens@zianet.com]
0.3-m Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0
[331, 100, 0∗, 2004/11/21–2006/06/19]

458 Guadarrama Observatory
D. Rodriguez, 28409 San Pablo No. 5, Villalba-Madrid, Spain [drodrig@jet.es]
0.20-m $f/10$ Schmidt-Cassegrain + CCD
USNO-A2.0
[6, 3, 0∗, 2006/06/18–2006/07/04]

460 Area 52 Observatory, Nashville
R. Clingan, 305 Anglewood Dr., Nashville, AR 71852, U.S.A. [bigeye@cswnet.com]
Observers R. Clingan, R. McDaniel, C. Lasley
0.30-m Schmidt-Cassegrain + CCD
UCAC-2
[49, 12, 0∗, 2004/12/10–2006/05/22]

461 Szeged University, Piszkéstető Stn. (Konkoly)
K. Sárneczky, P.O. Box 406, H-6701 Szeged, Hungary [sky@titan.physx.u-szeged.hu]
0.60-m Schmidt + CCD
USNO-B1.0
[1041, 195, 22∗, 2001/02/27–2006/06/21]

467 Auckland Observatory
G. W. Christie, Auckland Observatory, P.O. Box 24-180, Royal Oak, Auckland, New Zealand [grant@christie.org.nz]
Observers G. W. Christie, T. Natusch, C. H. Rowe
0.35-m $f/11$ Schmidt-Cassegrain + CCD
UCAC-2
[6, 2, 0∗, 2006/05/07–2006/06/25]

470 Ceccano
G. Masi, Via Madonna de Loco 47, I-03023 Ceccano (FR), Italy [gianluca@bellatrixobservatory.org]
0.28-m $f/5$ reflector + CCD
USNO-B1.0
[4, 1, 0∗, 2006/07/06]

473 Remanzacco
G. Sostero, via S.Stefano 31, I-33047 Remanzacco (UD), Italy [sostero@elettra.trieste.it]
Observers E. Guido, M. Gonano, V. Gonano, A. Lepardo, G. Sostero, S. Garzia, F. Zucchetto, V. Santini
0.25-m $f/6$ Schmidt-Cassegrain + CCD
USNO-A2.0, USNO-B1.0
[17, 9, 0∗, 2006/02/06–2006/06/13]

474 Mount John Observatory, Lake Tekapo
A. C. Gilmore, Mt. John University Observatory, P.O. Box 56, NZ-8770 Lake Tekapo, New Zealand [a.gilmore@phys.canterbury.ac.nz]
Observers A. C. Gilmore, P. M. Kilmartin
1.0-m $f/7.7$ reflector + CCD, 0.6-m $f/6.4$ reflector + CCD
USNO-B1.0, USNO-A2.0
[144, 35, 0∗, 2006/03/29–2006/06/19]

493 Calar Alto
F. Lahulla, OAN Alfonso XII 3, E-28014 Madrid, Spain [lahulla@oan.es]
Observers F. Lahulla, J. García
1.5-m reflector + CCD
USNO-B1.0
[80, 13, 0∗, 2004/02/21–2006/03/04]

511 Haute Provence
J. E. Arlot, IMCCE, Observatoire de Paris, 61 Avenue de l'Observatoire, F-75014 Paris, France [arlot@bdl.fr]
Observer A. Nedelcu
1.2-m $f/6.6$ reflector + CCD
UCAC-2
[27, 1, 0∗, 2006/05/28–2006/05/30]

540 Linz
E. Meyer, Ferd.-Marklstrasse 1/62, A-4040 Linz, Austria [er.meyer@ooenet.at]
0.6-m $f/3.3$ reflector + CCD
UCAC-2, USNO-A2.0, USNO-B1.0, USNO-SA2.0
[62, 22, 0∗, 2006/03/20–2006/07/04]

557 Ondřejov
P. Pravec, Astronomical Institute, Czech Academy of Sciences, CZ-25165 Ondřejov, Czech Republic [ppravec@asu.cas.cz]
Observers L. Šarounová, P. Kušnirák, M. Wolf, K. Hornoch
0.65-m $f/3.6$ reflector + CCD
UCAC-2, USNO-SA2.0
[246, 26, 0∗, 1997/10/04–2006/06/21]

560 Madonna di Dossobuono
L. Lai, Via Mantovana 130e, I-37062 Dossobuono (Verona), Italy [astrofil@astbo1.bo.cnr.it]
0.4-m $f/5$ reflector + CCD
USNO-A2.0
[14, 4, 0∗, 2006/03/11–2006/05/14]

561 Piszkéstető
J. Kelemen, Konkoly Observatory, P.O. Box 67, H-1525 Budapest, Hungary [kelemen@ogyalla.konkoly.hu]
0.6-m Schmidt + CCD
USNO-A2.0
[13, 4, 0∗, 1998/02/28–2006/05/31]

565 Bassano Bresciano
U. Quadri, Osservatorio di Bassano Bresciano, Via S. Michele 4, I-25020 Bassano Bresciano (BS), Italy [astrofil@astbo1.bo.cnr.it]
Observers U. Quadri, L. Strabla, R. Girelli, C. Cremaschini
0.32-m $f/3.1$ Schmidt + CCD
USNO-A2.0
[17, 4, 0∗, 2006/03/23–2006/03/29]

566 Haleakala-NEAT/GEODSS
E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A. [efh@ipl.jpl.nasa.gov]
Observers E. F. Helin, S. H. Pravdo, K. J. Lawrence, D. L. Rabinowitz, S. Groom, C. Clark, R. Bambery, S. Levin, J. Lorre, S. Shaklan, R. Byrd, A. Esquibel, C. Cotton, D. Bascon, M. Hicks, P. Kervin
Measurers A. Lowe, R. Matson, S. Foglia, G. Forti, M. Tombelli, R. J. Bouma, K. Sárneczky, Q. Ye
1.0-m $f/2.2$ GEODSS reflector + CCD
USNO-A2.0, USNO-B1.0, UCAC-2
[212, 63, 0∗, 1995/12/20–1999/02/18]

568 Mauna Kea
D. Kinoshita, no details supplied (0)
D. Jewitt, Institute for Astronomy, 2680 Woodlawn Drive, Honolulu, HI 96822, U.S.A. [jewitt@galileo.ifa.hawaii.edu] (1)
D. J. Tholen, Institute for Astronomy, 2680 Woodlawn Drive, Honolulu, HI 96822, U.S.A. [tholen@hale.ifa.hawaii.edu] (2)
C. Veillet, Canada-France-Hawaii Telescope Corporation, P.O. Box 1597, Kamuela, HI 96743, U.S.A. [veillet@cfht.hawaii.edu] (3)
S. S. Sheppard, Carnegie Institute of Washington, Dept. of Terrestrial Magnetism, 5241 Broad Branch Road NW, Washington, DC 20015, U.S.A. [sheppard@dtm.ciw.edu] (5)
M. Holman, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. [mholman@cfa.harvard.edu] (6)
D. D. Balam, Dept. of Physics, University of Victoria, P.O. Box 3055, Victoria, BC V8W 3P6, Canada [balam@beluga.phys.uvic.c] (9)
P. Wiegert, Physics and Astronomy Department, University of Western Ontario, London N6A 3K7, Canada [pwiegert@uwo.ca] (19)
A. Boattini, Istituto di Astrofisica Spaziale, Via Fosso del Cavaliere, I-00133 Rome, Italy [boattini@ias.rm.cnr.it] (20)
8.2-m reflector, 2.24-m University of Hawaii reflector
USNO-B1.0
{19} *[260, 69, 31∗, 2004/12/11–2006/05/02]*

{20} *[696, 200, 3∗, 2005/09/30–2005/12/03]*

{0} *[56, 5, 5∗, 2005/08/02–2005/08/03]*

{1} *[2, 1, 0∗, 2001/07/17]*

{2} *[107, 28, 2∗, 1997/10/29–2006/07/06]*

{3} *[16, 3, 0∗, 1997/11/01–1999/01/14]*

{5} *[7, 2, 1∗, 2006/01/05–2006/06/02]*

{6} *[540, 65, 56∗, 2002/11/28–2005/12/25]*

{9} *[1, 1, 0∗, 2005/07/09]*

585 Kiev comet station
A. Baransky, Astronomical Observatory of Kyiv University, Observatorna 3, Kyiv, Ukraine [bar06@znannya.org.ua]
Observer A. Baransky
Measurers A. Baransky, K. Churyumov, V. Kleschonok
0.7-m $f/4$ reflector + CCD
USNO-A2.0
[10, 2, 0∗, 2006/04/25–2006/05/02]

586 Pic du Midi
C. Cavadore, Mitterweg Str. 2, Garching bei München, D-85748 Germany [ccavador@eso.org]
Observers F. Colas, O. Vaduvescu
Measurers F. Colas, M. Birlan, A. Sonka, A. Nedelcu
1.05-m $f/6.0$ reflector + CCD
USNO-A2.0, USNO-B1.0
[138, 14, 0∗, 2006/05/16–2006/05/24]

589 Santa Lucia Stroncone
A. Vagnozzi, Via Santa Lucia 68, I-05039 Stroncone (Terni), Italy [vagnozzi@freenet.hut.fi]
0.50-m $f/2.8$ Ritchey-Chrétien + CCD
USNO-A1.0
[3, 1, 0∗, 1995/11/29]

595 Farra d'Isonzo
L. Bittesini, Via dei Conventi 10, I-34070 Farra D'Isonzo (GO), Italy [ccaf@ccaf.it]
Observers G. Lombardi, E. Pettarin
0.40-m $f/4.5$ reflector + CCD
USNO-A2.0
[14, 5, 0∗, 2006/03/29–2006/07/01]

596 Colleverde di Guidonia
V. S. Casulli, Via M. Rosa 1, I-00012 Colleverde di Guidonia (RM), Italy [v.casulli@libero.it]
0.40-m $f/4.5$ reflector + CCD
USNO-A2.0
[2, 1, 0∗, 1997/02/28]

599 Campo Imperatore–CINEOS
A. Carusi, Istituto di Astrofisica Spaziale, Via Fosso del Cavaliere, I-00133 Rome, Italy [cineos@ias.rm.cnr.it]
Observer A. Boattini
Measurers A. Boattini, A. Di Paola, E. Dotto
0.60-m $f/3.1$ Schmidt + CCD
USNO-A2.0
[1287, 355, 2∗, 1996/07/23–2006/04/05]

608 Haleakala-NEAT/MSSS
R. Bambery, Jet Propulsion Laboratory, MS 168-527, Pasadena, CA 91109, U.S.A. [Raymond.J.Bambery@jpl.nasa.gov]
P. Kervin, Air Force Maui Optical Station, 535 Lipoa Parkway, Suite 200, Kihei, Maui, HI 96753, U.S.A. [paul@ulua.mhpcc.af.mil]
Observers M. Hicks, D. MacDonald, P. Kervin, J. Africano, E. F. Helin, R. Maeda, D. Talent, P. Tanner, R. Bambery, E. Helin, S. H. Pravdo, K. J. Lawrence, D. L. Rabinowitz, S. Groom, C. Clark, J. Lorre, S. Shaklan, R. Byrd, A. Esquibel, C. Cotton, D. Bascon, M. Brown, K. Kuluhiwa, R. Thicksten
Measurers R. J. Bouma, K. Sárneczky, S. Foglia, G. Forti, M. Tombelli, A. Lowe, J. Lacruz, R. Matson, Q. Ye, A. J. Walker
1.2-m reflector + CCD
USNO-B1.0, USNO-A2.0, UCAC-2
[5291, 1627, 3∗, 1995/11/20–2006/07/04]

615 St. Véran
C. Demeautis, 9 rue de Huningue, F-68300 Saint-Louis, France [Sky.walker@wanadoo.fr]
0.62-m $f/3$ reflector + CCD
USNO-SA2.0
[3, 1, 0∗, 2001/04/18]

619 Sabadell
F. Casarramona, P.O. Box 50, E-8200 Sabadell (BCN), Spain [astrosab@redestb.es]
Observers A. A. Sabadell, R. Casas, X. Puig
Measurers H. Pallares, R. Casas
0.50-m $f/4$ reflector + CCD
UCAC-2
[34, 4, 0∗, 2006/04/03–2006/06/26]

621 Bergisch Gladbach
W. Bickel, Schau ins Land 21, D-51429 Bergisch Gladbach, Germany [0220455671-0001@t-online.de]
0.60-m $f/5.2$ reflector + CCD
UCAC-2
[852, 214, 23∗, 2001/02/15–2006/07/04]

639 Dresden
S. Gebhard, Duckwitzstrasse 27d, D-01129 Dresden, Germany [Gebhard@t-online.de]
0.35-m $f/7.3$ reflector + CCD
USNO-B1.0
[41, 6, 0∗, 2006/03/23–2006/07/03]

644 Palomar Mountain/NEAT
R. Bambery, Jet Propulsion Laboratory, MS 168-527, Pasadena, CA 91109, U.S.A. [Raymond.J.Bambery@jpl.nasa.gov]
Observers R. Bambery, M. Hicks, R. Thicksten, E. F. Helin, E. Hovland, T. Bickler, J. Schroeder, L. Scherr, A. Deetz, K. Kuluhiwa, M. Brown, J. Africano, D. MacDonald, P. Kervin, K. J. Lawrence, S. H. Pravdo
Measurers R. J. Bouma, K. Sárneczky, R. Matson, T. Chen, D. Wells, S. Foglia, G. Forti, M. Tombelli, R. Apitzsch, A. Lowe, Z. Pan, J. Lacruz, Q. Ye, G. Sun, S. Kürti, P. Cui, J. Sachs, S. F. Hoenig, A. J. Walker

1.2-m Oschin Schmidt + CCD
USNO-B1.0, USNO-A2.0, UCAC-2
[159107, 28341, 943∗, 2001/04/17–2006/06/24]

645 Apache Point–Sloan Digital Sky Survey
Z. Ivezic, Department of Astrophysical Sciences, Peyton Hall, Princeton University, Princeton, NJ 08544, U.S.A. [ivezic@astro.princeton.edu]
Observers Sloan Digital Sky Survey Collaboration
Measurers Z. Ivezic, M. Jurić, R. Lupton, S. Tabachnik, T. Quinn
2.5-m SDSS Telescope + SDSS camera
UCAC-1
[5076, 1962, 0∗, 1998/09/19–2004/06/14]

649 Powell Observatory, Louisburg
L. Robinson, 14680 W 144 St., Olathe, KS 66062, U.S.A. [lrobinsn@ix.netcom.com]
Observers R. Trentman, R. Fredrick, M. Sterling
0.75-m Newtonian reflector + CCD
UCAC-2, USNO-B1.0
[71, 18, 0∗, 2002/02/11–2006/06/28]

651 Grasslands Observatory, Tucson
J. E. McGaha, 5100 Sabino Foothills, Tucson, AZ 85750, U.S.A. [mcgaha@skepticus.com]
0.62-m $f/5.1$ reflector + CCD
USNO-A2.0
[74, 24, 0∗, 2006/03/25–2006/06/21]

658 National Research Council of Canada
D. D. Balam, Dept. of Physics, University of Victoria, P.O. Box 3055, Victoria, BC V8W 3P6, Canada [balam@beluga.phys.uvic.ca]
Observer R. M. Robb
Measurer D. D. Balam
1.82-m Plaskett telescope + CCD
USNO-A2.0
[12, 4, 0∗, 1995/11/19–2006/04/28]

662 Lick
M. W. Buie, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [buie@lowell.edu]
F. Marchis, Dept. of Astronomy, University of California, 601 Campbell Hall, Berkeley, CA 94720, U.S.A. [fmarchis@berkeley.edu]
Observers E. Chiang, A. B. Jordan, M. W. Buie
Measurer M. W. Buie
3-m telescope + CCD
USNO-A2.0, global solutions
[2, 1, 0∗, 2002/03/15]

673 Table Mountain Observatory, Wrightwood
W. M. Owen, Jr., Jet Propulsion Laboratory 301-150, 4800 Oak Grove Drive, Pasadena, CA 91109-8099, U.S.A. [wmo@wansor.jpl.nasa.gov] (1)
J. Young, Jet Propulsion Laboratory, 4800 Oak Grove Drove, Pasadena, CA 91109, U.S.A. [w7ftt@netscape.net] (5)
Observers J. Young, D. Mayes, W. M. Owen, Jr, N. Mastrodemos, T. Tran, F. I. Wulke, P. Basu, U. Young
0.4-m $f/8.4$ Cassegrain + CCD, 0.61-m $f/16$ Cassegrain + CCD
USNO-B1.0, USNO-A2.0, UCAC-2
{1} *[318, 57, 0∗, 2006/04/20–2006/06/26]*

{5} *[508, 94, 18∗, 2006/03/14–2006/07/09]*

675 Palomar Mountain
M. D. Hicks, Jet Propulsion Laboratory, MS 183-501, 4800 Oak Grove Drive, Pasadena, CA 91109, U.S.A. [hicksm@scn1.jpl.nasa.gov] (0)
I. van Houten-Groeneveld, Sterrewacht Leiden, Postbus 9513, NL-2300 RA Leiden, The Netherlands [vanhouten@rulhl1.leidenuniv.nl] (4)
E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [elgb@lowell.edu] (6)
J. Kavelaars, Dept. of Physics and Astronomy, McMaster University, Hamilton, ON L8S 4M1, Canada [kavelaars@physics.mcmaster.ca] (8)
Observers M. Hicks, T. Gehrels, C. S. Shoemaker, E. M. Shoemaker, P. Nicholson, B. Gladman, J.-L. Margot, P. Benavidez, C. Chan.
Measurers C. S. Shoemaker, M. Hicks, C. J. van Houten, I. van Houten-Groeneveld, A. Wisse, B. Gladman
0.46-m Schmidt, 1.2-m Oschin Schmidt, 1.5-m reflector + CCD, 5.0-m $f/8.75$ reflector + CCD
USNO-A2.0
{0} *[6, 1, 0∗, 1996/06/17]*

{4} *[25, 10, 0∗, 1971/03/25–1977/10/22]*

{6} *[2, 2, 0∗, 1986/03/04]*

{8} *[178, 40, 1∗, 2004/04/15–2006/01/29]*

682 Kanab
E. Sheridan, 7205 Sunflower Lane, Kanab, UT 84741, U.S.A. [mened@xpressweb.com]
Measurers E. Sheridan, M. Craven
0.36-m $f/5.5$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0
[226, 58, 2∗, 1999/08/18–2006/06/24]

683 Goodricke-Pigott Observatory, Tucson
R. A. Tucker, 5500 West Nebraska Street, Tucson, AZ 85746, U.S.A. [gpobs@mindspring.com]
Measurers R. Tucker, V. Reddy
0.36-m Schmidt-Cassegrain + CCD
UCAC-2, USNO-A2.0
[3645, 509, 1∗, 2001/10/16–2006/06/21]

684 Prescott
P. G. Comba, 1411 Galaxy Lane, Prescott, AZ 86303, U.S.A. [comba@northlink.com]
0.46-m $f/4.5$ reflector + CCD
GSC-1.1
[2, 1, 0∗, 2001/02/12]

688 Lowell Observatory, Anderson Mesa Station
M. W. Buie, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [buie@lowell.edu] (1)

E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [elgb@lowell.edu] (4)
L. H. Wasserman, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [lhw@lowell.edu] (5)
0.75-m $f/16$ reflector + CCD
USNO-B1.0
{1} *[13, 5, 0∗, 1997/12/27–1998/04/20]*

{4} *[14, 7, 0∗, 1997/08/01–1997/10/30]*

{5} *[28, 14, 1∗, 2000/03/04–2006/05/28]*

689 U.S. Naval Observatory, Flagstaff
S. E. Levine, U.S. Naval Observatory Flagstaff Station, 10391 West Naval Observatory Road, Flagstaff, AZ 86001, U.S.A. [sel@nofs.navy.mil]
1.3-m $f/4$ reflector + CCD
USNO-B1.0
[9, 3, 0∗, 2006/03/23]

691 Steward Observatory, Kitt Peak
R. S. McMillan, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [bob@lpl.arizona.edu]
Observers T. H. Bressi, T. Gehrels, R. S. McMillan, M. Block, A. S. Descour, M. T. Read, A. F. Tubbiolo, J. V. Scotti
Measurers J. L. Montani, M. Block
0.9-m $f/3$ reflector + CCD
USNO-A2.0
[214648, 32372, 5727∗, 1990/11/24–2006/06/23]

693 Catalina Station, Tucson
C. W. Hergenrother, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [chergen@pirl.lpl.arizona.edu]
Observers C. W. Hergenrother, D. Della-Giustina
1.54-m reflector + CCD
USNO-B1.0
[52, 12, 0∗, 2000/02/27–2006/05/26]

695 Kitt Peak
M. W. Buie, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [buie@lowell.edu] (1)
R. L. Allen, Dept. of Physics and Astronomy, University of British Columbia, Vancouver BC V6T 1Z1, Canada [lallen@astro.ubc.ca] (2)
D. Wittman, Bell Laboratories, 600 Mountain Ave., Murray Hill, NJ 07974, U.S.A. [wittman@physics.bell-labs.com] (3)
J. W. Parker, Southwest Research Institute, 1050 Walnut Street, Suite 426, Boulder, CO 80302, U.S.A. [joel@boulder.swri.edu] (9)
D. E. Trilling, Dept. of Physics and Astronomy, University of Pennsylvania, 209 S. 33rd Street, Philadelphia, PA 19104, U.S.A. (21)
L. H. Wasserman, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [lhw@lowell.edu] (23)
Observers L. H. Wasserman, R. L. Millis, D. E. Trilling, J. W. Parker, A. Bierlya, C. Hergenrother, J. Kavelaars, W. Fraser, R. L. Allen.
Measurers L. H. Wasserman, R. L. Millis, D. E. Trilling, A. S. Rivkin, A. Bieryla, J. Kavelaars, R. L. Allen, J. W. Parker
0.9-m reflector + CCD, 4-m reflector + CCD, 3.5-m reflector + CCD
USNO-B1.0, USNO-A2.0
{21} *[77, 13, 1∗, 2004/02/10–2006/04/07]*

{23} *[1241, 445, 50∗, 2004/10/10–2006/03/02]*

{1} *[2887, 1110, 214∗, 1995/01/29–2006/05/02]*

{2} *[3, 1, 0∗, 1995/04/06]*

{3} *[23, 6, 0∗, 2000/11/26–2003/10/28]*

{9} *[92, 29, 0∗, 1999/11/30–2006/05/04]*

696 Whipple Observatory, Mt. Hopkins
C. W. Hergenrother, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [chergen@pirl.lpl.arizona.edu] (1)
T. B. Spahr, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. [tspahr@cfa.harvard.edu] (7)
Observers K. Smalley, C. W. Hergenrother, M. Calkins
Measurer T. B. Spahr
1.2-m reflector + CCD
USNO-B1.0
{1} *[29, 10, 0∗, 1998/01/20–2006/04/24]*

{7} *[157, 58, 0∗, 2006/03/25–2006/05/22]*

697 Kitt Peak, McGraw-Hill Observatory
J. W. Parker, Southwest Research Institute, 1050 Walnut Street, Suite 426, Boulder, CO 80302, U.S.A. [joel@boulder.swri.edu]
Observer P. Cseresnjes
Measurer J. W. Parker
2.4-m MDM reflector + CCD
USNO-A2.0
[13, 3, 0∗, 2005/11/04–2005/12/06]

699 Lowell Observatory-LONEOS
E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff AZ 86001, U.S.A. [elgb@lowell.edu]
Observers B. A. Skiff, M. E. Van Ness, B. W. Koehn
0.59-m LONEOS Schmidt + CCD
USNO-B1.0, USNO-A2.0
[144398, 21736, 355∗, 1998/05/23–2006/06/29]

701 Junk Bond Observatory, Sierra Vista
D. Healy, Junk Bond Observatory, 6929 Madera Drive, Sierra Vista, AZ 85635, U.S.A. [healydave@cis-broadband.com]
0.81-m $f/4.4$ Ritchey-Chrétien + CCD
UCAC-2
[906, 206, 7∗, 2000/11/30–2006/06/19]

703 Catalina Sky Survey
S. M. Larson, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [slarson@lpl.arizona.edu]
Observers A. R. Gibbs, S. M. Larson, A. P. Odell, R. E. Hill, R. A. Kowalski, E. C. Beshore, E. J. Christensen
Measurers E. C. Beshore, E. J. Christensen, G. J. Garradd, A. R. Gibbs, A. D. Grauer, R. E. Hill, R. A. Kowalski, S. M. Larson, R. H. McNaught
0.68-m Schmidt + CCD
UCAC-2

[221891, 30259, 821∗, 1999/03/23–2006/07/10]

704 Lincoln Laboratory ETS, New Mexico
G. Stokes, MIT Lincoln Laboratory, 244 Wood Street, Lexington, MA 02420, U.S.A. [stokes@ll.mit.edu]
Observers M. Bezpalko, L. Manguso, D. Torres, R. Kracke, M. Blythe, H. Love, G. Spitz
Measurers J. Stuart, J. Kommers
1.0-m $f/2.15$ reflector + CCD
USNO-A2.0
[469851, 32395, 266∗, 1997/03/06–2006/07/06]

705 Apache Point
G. A. Esquerdo, Planetary Science Institute, 1700 E. Ft. Lowell suite 106, Tucson, AZ 85719, U.S.A. [esquerdo@psi.edu]
3.5-m $f/10$ Ritchey-Chrétien + CCD
USNO-B1.0
[3, 1, 0∗, 2004/09/08]

715 Journada Observatory
D. S. Dixon, 5975 Moonrise Vista, Las Cruces, NM 88012, U.S.A. [ddixon@lascruces.com]
0.41-m $f/10$ Schmidt-Cassegrain + CCD, 0.08-m $f/5.5$ refractor + CCD
USNO-B1.0, UCAC-2
[130, 39, 0∗, 2006/03/23–2006/05/30]

717 Prude Ranch
W. G. Dillon, 4703 Birkenhead Circle, Missouri City, Texas 77459, U.S.A. [wdillon@compuserve.com]
Observer J. Gafford
0.46-m $f/4.5$ reflector + CCD
UCAC-2
[3, 1, 0∗, 2006/04/30]

721 Lime Creek
R. Linderholm, R2 Box 79, Cambridge, NE 69022, U.S.A. [lindh@starband.net]
0.25-m Schmidt-Cassegrain + CCD
UCAC-2
[15, 2, 0∗, 2001/02/15–2006/04/26]

725 Fair Oaks Ranch
J. V. McClusky, McClusky Observatory, 31789 Sunland, Fair Oaks Ranch, TX 78015, U.S.A. [mcclusky@lonestar.utsa.edu]
0.46-m $f/4.5$ Newtonian reflector + CCD
GSC-ACT
[2, 1, 0∗, 2001/03/22]

734 Farpoint Observatory
G. Hug, RTE 1 Box 35c, Eskridge, KS 66423, U.S.A. [frogstar@intergate.com]
Observers G. Hug, D. Tibbets, R. Valentine
Measurers D. Tibbets, K. Dobbs, G. Hug, R. Valentine
0.7-m reflector + CCD
UCAC-2, USNO-B1.0
[728, 157, 8∗, 1999/12/31–2006/07/06]

735 George Observatory, Needville
W. G. Dillon, 4703 Birkenhead Circle, Missouri City, TX 77459, U.S.A. [bdillon@houston.geoquest.slb.com]
Observers J. Dellinger, M. Eastman, D. Wells, W. G. Dillon, P. G. A. Garossino, B. Cornect
Measurers J. Dellinger, P. G. A. Garossino, W. G. Dillon, W. P. Dillon
0.46-m $f/4.5$ Newtonian reflector + CCD, 0.9-m $f/7.6$ Ritchey-Chrétien + CCD
UCAC-2, USNO-A2.0
[178, 50, 7∗, 2002/01/04–2006/06/28]

762 Four Winds Observatory, Lake Leelanau
R. Elliott, 1422 South Manitou Trail, Lake Leelanau, MI 49653, U.S.A. [elliottb@uwec.edu]
0.3-m Schmidt-Cassegrain + CCD
UCAC-2
[4, 1, 0∗, 2006/06/20]

807 Cerro Tololo
M. W. Buie, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [buie@lowell.edu] (1)
D. Wittman, Bell Labs Room 1D-456, 700 Mountain Avenue, Murray Hill, NJ 07974, U.S.A. [dwittman@physics.bell-labs.com] (3)
W. Ryan, MRO Program Office, New Mexico Tech, Socorro, NM 87801, U.S.A. [bryan@mailaps.org] (14)
L. H. Wasserman, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [lhw@lowell.edu] (15)
I. Griffin, Ramsden Wood Road, Walsden, Lancashire OL14 7UD, England [i.griffin@msim.org.uk] (20)
Observers M. W. Buie, R. L. Millis, S. D. Kern, W. H. Ryan
1.0-m $f/10.0$ reflector + CCD
UCAC-2, USNO-B1.0
{14} *[30, 7, 0∗, 2006/05/11–2006/05/18]*

{15} *[3, 1, 0∗, 2005/08/09–2005/08/10]*

{20} *[7, 3, 0∗, 2003/07/25–2003/07/27]*

{1} *[4885, 1925, 657∗, 2000/07/29–2006/04/28]*

{3} *[50, 10, 0∗, 2000/03/05–2003/04/06]*

808 El Leoncito
C. E. Lopez, Felix Aguilar Observatory, Benavidez 8175 (Oeste), AR-5407 Marquesado-San Juan, Argentina [lopez2283@infovia.com.ar]
Observer H. S. Lepez
0.5-m $f/7.5$ double astrograph + CCD
USNO-B1.0
[246, 37, 0∗, 2006/03/09–2006/06/20]

809 European Southern Observatory, La Silla
C. Cavadore, MitterWeg Str. 2, D-85748 Garching bei Muenchen, Germany [ccavador@eso.org] (1)
E. W. Elst, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium [elst@atmos.oma.be] (4)
C.-I. Lagerkvist, Uppsala Observatory, Box 515, S-75120 Uppsala, Sweden [classe@astro.uu.se] (8)

A. Boattini, Istituto di Astrofisica Spaziale, Via Fosso del Cavaliere, I-00133 Rome, Italy [boattini@ias.rm.cnr.it] (9)
R. Behrend, Geneva Observatory, CH-1290 Sauverny, Switzerland [raoul.behrend@obs.unige.ch] (20)
L. K. Kristensen, no details supplied (21)
S. F. Hönig, c/o Max-Planck-Institut für Radioastronomie, Auf dem Hügel 69, D-53121 Bonn, Germany [shoenig@mpifr-bonn.mpg.de] (30)
1.20-m f/12 reflector + CCD
USNO-A2.0, UCAC-2, Tycho-2, UCAC-1, GSC-ACT, USNO-SA2.0, USNO-B1.0
{20} *[288, 65, 8∗, 2006/02/10–2006/06/14]*

{21} *[10, 3, 0∗, 2003/07/26–2005/07/12]*

{1} *[3, 1, 0∗, 2000/02/14]*

{4} *[145, 48, 0∗, 1992/09/03–1998/08/26]*

{8} *[93, 62, 0∗, 1992/02/29–1996/10/30]*

{9} *[85, 27, 0∗, 2002/06/03–2005/02/17]*

{30} *[2, 1, 0∗, 2004/08/12]*

829 Complejo Astronómico El Leoncito
R. Gil-Hutton, Av. Benavidez 8175 oeste, AR-5413 San Juan, Argentina [rgilhutton@casleo.gov.ar]
Observers R. Gil-Hutton, J. Licandro
Measurer R. Gil-Hutton
2.15-m f/2.8 reflector + CCD
USNO-A1.0
[4, 2, 0∗, 1999/06/10]

834 Buenos Aires-AAAA
R. Mackintosh, Seccion Sistema Solar, Asociacion Argentina Amigos de la Astronomia, Av. Patricias Argentinas 550, AR-1405 Capital Federal, Argentina [robertom@aaaa.org.ar]
Observers R. Mackintosh, M. Konishi
Measurer R. Mackintosh
0.25-m f/6.3 Schmidt-Cassegrain + CCD
USNO-A2.0
[26, 4, 0∗, 2006/03/20–2006/04/23]

841 Martin Observatory, Blacksburg
J. H. Simonetti, Physics Department, Virginia Tech, Blacksburg VA 24060, U.S.A. [jhs@vt.edu]
Observers A. Burger, P. Chong, Z. Hannis, K. Hendershot, L. Lackey, R. Montazami, S. Nelson, N. Spencer
0.4-m f/4 reflector + CCD
USNO-B1.0
[16, 3, 0∗, 2006/03/15–2006/03/16]

842 Gettysburg College Observatory
G. A. Snyder, Gettysburg College, 300 N. Washington Street, Gettysburg, PA 17325, U.S.A. [gsnyder@gettysburg.edu]
Observers L. Marschall, J. Deaven, J. Leiter, R. Sim
Measurer G. Snyder
0.4-m f/11 reflector + CCD
USNO-B1.0
[9, 3, 0∗, 2006/03/28]

843 Emerald Lane Observatory, Decatur
L. C. Ball, 4311 Emerald Lane, Decatur, AL 35603, U.S.A. [elo843@charter.net]
0.41-m f/6.2 Schmidt-Cassegrain + CCD
USNO-SA2.0
[2, 1, 0∗, 2002/10/17]

844 Los Molinos
G. Tancredi, Departamento Astronomia, Facultad Ciencias, Igua 4225, UY-11400 Montevideo, Uraguay [gonzalo@fisica.edu.uy]
Observers R. Salvo, S. Roland, S. Bruzzone, G. Tancredi
0.46-m f/2.8 reflector + CCD
USNO-SA2.0, USNO-A2.0
[80, 13, 0∗, 2006/04/29–2006/07/10]

850 Cordell-Lorenz Observatory, Sewanee
D. T. Durig, SPO 1242, Sewanee, TN 37383, U.S.A. [ddurig@sewanee.edu]
Observers D. T. Durig, M. M. White, M. S. Ortale, R. C. McNaughton, C. E. Plunkett, E. B. Caton, T. G. Gao, B. T. Scott, S. J. Bentley, B. A. Beatty, T. S. Nielsen, F. L. Rhodes, R. B. B. Greene, J. C. Cockhren
Measurers D. T. Durig, M. M. White, M. S. Ortale, C. E. Plunkett, R. C. McNaughton, E. B. Caton, T. G. Gao, B. T. Scott, S. J. Bentley, B. A. Beatty, T. S. Nielsen, F. L. Rhodes, R. B. B. Greene, J. C. Cockhren
0.30-m f/5.8 Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0
[206, 33, 3∗, 2002/02/17–2006/07/02]

854 Sabino Canyon Observatory, Tucson
J. E. McGaha, 5100 Sabino Foothills, Tucson, AZ 85750, U.S.A. [mcgaha@skepticus.com]
0.36-m f/10.0 Schmidt-Cassegrain + CCD
USNO-A2.0
[160, 52, 0∗, 2006/03/23–2006/07/01]

910 Caussols-ODAS
A. Maury, Observatoire de la Côte d'Azur, B.P. 229, F-06304 Nice, France [maury@obs-azur.fr]
G. Hahn, DLR Institute of Planetary Exploration, Rudower Chaussee 5, D-12489 Berlin, Germany [Gerhard.Hahn@DLR.de]
Observers A. Maury, D. Albanese, G. Hahn, M. Hoffmann
Measurers A. Maury, G. Hahn
0.90-m Schmidt + CCD
GSC
[214, 71, 0∗, 1997/02/06–1999/03/24]

918 Badlands Observatory, Quinn
R. Dyvig, P.O. Box 37, Quinn, SD 57775, U.S.A. [rondyv@gwtc.net]
Observers S. J. Higley, F. Tozzi, R. Dyvig
0.66-m f/4.8 Newtonian reflector + CCD
UCAC-2, USNO-A2.0
[19, 5, 0∗, 2006/04/23–2006/06/30]

919 Desert Beaver Observatory
W. K. Y. Yeung, 139 Sandringham Place NW, Calgary, AB T3K 3V8, Canada [beaver07@theriver.com]

0.45-m $f/3$ Schmidt-Cassegrain + CCD
GSC-ACT
[4, 2, 0∗, 2001/03/02–2001/04/17]

920 RIT Observatory, Rochester
M. Richmond, Physics Department, Rochester Institute of Technology, 85 Lomb Memorial Drive, Rochester, NY 14623-5603, U.S.A. [mwrsps@rit.edu]
0.25-m $f/10$ Schmidt-Cassegrain + CCD
USNO-B1.0
[3, 1, 0∗, 2006/07/08]

926 Tenagra II Observatory
M. Schwartz, Tenagra Observatories, HC 2 Box 292, Nogales, AZ 85621, U.S.A. [mbs@tenagraobservatories.com]
Observers J.-C. Merlin, M. Ory
0.81-m $f/7$ Ritchey-Chrétien + CCD
USNO-A2.0, UCAC-2, USNO-B1.0
[170, 43, 1∗, 2003/01/06–2006/05/28]

932 John J. McCarthy Obs., New Milford
M. Robson, P.O. Box 1144, New Milford, CT 06776, U.S.A. [mail@mccarthyobservatory.org]
Observers M. Robson, J. Reynolds, W. Cloutier
0.4-m $f/6.5$ Schmidt-Cassegrain + CCD
UCAC-2
[58, 10, 0∗, 2006/03/20–2006/05/28]

938 Linhaceira
R. Goncalves, Instituto Politecnico Tomar, Area Fisica, Quinta do Contador, Estrada da Serra, P-2300 Tomar, Portugal [rui.goncalves@ipt.pt]
0.25-m $f/6.9$ Schmidt-Cassegrain + CCD
USNO-B1.0
[17, 1, 0∗, 2006/07/06–2006/07/07]

939 Observatorio Rodeno
J. Castellano, Av. Primado Reig 183, E-46020 Valencia, Spain [julioc@ono.com]
0.20-m $f/10$ Schmidt-Cassegrain + CCD
USNO-A2.0
[6, 2, 0∗, 2006/03/26–2006/06/24]

940 Waterlooville
R. Dymock, 67 Haslar Crescent, Waterlooville, Hampshire PO7 6DD, England [roger.dymock@ntlworld.com]
0.25-m $f/6.4$ reflector + CCD
USNO-B1.0
[22, 7, 0∗, 2006/04/05–2006/07/03]

941 Observatorio Pla D'Arguines
R. Ferrando, Guardia Civil N. 22, ESC-5 PTA.-34, E-46020 Valencia, Spain [rferrand@ya.com]
Observers R. Ferrando, M. Ferrando
0.36-m $f/6.3$ Schmidt-Cassegrain + CCD, 0.36-m $f/10$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0
[878, 163, 3∗, 2004/08/11–2006/07/09]

947 Saint-Sulpice
B. Christophe, 63 rue Belliard, F-75018 Paris, France [bchristo@club-internet.fr]
0.60-m $f/5.6$ reflector + CCD
UCAC-2
[93, 20, 9∗, 2006/04/19–2006/04/29]

950 La Palma
A. Fitzsimmons, Physics Department, Queen's University, Belfast BT7 1NN, Northern Ireland [a.fitzsimmons@qub.ac.uk] (3)
M. Kidger, Instituto de Astrofisica de Canarias, via Lactea, La Laguna E-38200 Tenerife, Canary Islands, Spain [mrk@ll.iac.es] (11)
O. Karlsson, Uppsala Astronomical Observatory, Box 515, S-751 20 Uppsala, Sweden [Ola.Karlsson@astro.uu.se] (17)
1.0-m $f/15$ reflector + CCD, 2.5-m Isaac Newton Telescope + CCD, 4.2-m William Herschel Telescope + CCD
USNO-A2.0, APM
{11} *[4, 1, 0∗, 1999/09/17]*
{17} *[243, 32, 0∗, 2000/09/04–2000/09/07]*
{3} *[27, 9, 0∗, 1998/11/18–2002/11/03]*

951 Highworth
J. W. Rock, 2 Spa Close, Highworth, Swindon, Wiltshire SN6 7PJ, England [john@highworthobs.fsnet.co.uk]
0.25-m $f/6.3$ Schmidt-Cassegrain + CCD
USNO-A2.0
[2, 1, 0∗, 2004/10/04]

952 Marxuquera
J. J. Gómez D., Cardenal Cisneros 55-4-8, E-46700 Gandia, Spain [astsafor@arrakis.es]
0.36-m $f/6.3$ Schmidt-Cassegrain + CCD
UCAC-2
[4, 1, 0∗, 2006/06/29]

958 Observatoire de Dax
P. Dupouy, Observatoire de Dax, F-40100 Dax, France [Dupouy_Philippe@compuserve.com]
Observers C. Rinner, P. Dupouy
Measurer C. Rinner
0.3-m $f/3$ reflector + CCD, 0.4-m $f/4$ reflector + CCD
USNO-A2.0
[174, 54, 0∗, 2006/05/01–2006/06/05]

A06 Mataro
F. Garcia, Bonaire 25 Atic, E-08301 Mataro, Spain [cosmosmataro@astrosurf.com]
Observers F. Garcia, E. Cortes
0.25-m $f/3.6$ Schmidt-Cassegrain + CCD
UCAC-2
[7, 2, 0∗, 2006/05/05–2006/07/07]

A10 Observatori Astronomic de Corbera
J. Barceló, C/ Del pla 11, E-08757 Corbera de Llobregat, Spain [jmpca10@wanadoo.es]

Observers J. Barceló, M. Casao, F. Morillas, C. Rodriguez
0.30-m $f/5.0$ Newtonian reflector + CCD
USNO-A2.0
[3, 3, 0∗, 2006/03/31–2006/04/07]

A13 Observatoire Naef, Marly
P. Kocher, ufem Berg 23, CH-1734 Tentlingen, Switzerland [kocher@bluewin.ch]
0.5-m $f/3.3$ Cassegrain + CCD
UCAC-2, USNO-B1.0
[574, 151, 2∗, 2006/03/13–2006/07/04]

A16 Tentlingen
P. Kocher, ufem Berg 23, CH-1734 Tentlingen, Switzerland [kocher@bluewin.ch]
0.3-m $f/4$ reflector + CCD
UCAC-2
[10, 1, 0∗, 2006/06/06–2006/07/04]

A17 Guidestar Observatory, Weinheim
M. Emmerich, Brunhildstrasse 31, D-69469 Weinheim, Germany [mark@guidestar.de]
Observers M. Emmerich, S. Melchert
0.36-m $f/6$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0
[7, 2, 0∗, 2006/04/21–2006/04/23]

A24 New Millennium Observatory, Mozzate
E. Cozzi, Via Borghi 14, I-22076 Mozzate, Italy [new.millennium@tin.it]
0.36-m $f/7.7$ Schmidt-Cassegrain + CCD
USNO-A2.0
[15, 3, 0∗, 2006/04/23]

A30 Crespadoro
S. Valentini, Via Scagi 06, Crespadoro (VI), Italy [stefanom42@libero.it]
Observers S. Valentini, G. Peretto
0.23-m $f/10$ Schmidt-Cassegrain + CCD
UCAC-2
[42, 10, 0∗, 2006/03/30–2006/05/24]

A31 Corcaroli Observatory
F. Zattera, via Carpaneo 3, Cornedo Vicentino (VI), Italy [gandalf03@tin.it]
0.25-m Schmidt-Cassegrain + CCD
UCAC-2
[10, 3, 0∗, 2006/03/29]

A32 Panker
H. Denzau, Im Brook 8, D-24321 Panker, Germany [denzau@t-online.de]
0.36-m $f/5.5$ Schmidt-Cassegrain + CCD
USNO-B1.0
[100, 21, 0∗, 2006/03/05–2006/06/12]

A38 Campocatino Automated Telescope, Collepardo
G. Masi, Via Madonna de Loco 47, I-03023 Ceccano (FR), Italy [gianluca@bellatrixobservatory.org]
Observers F. Mallia, G. Masi, U. Tagliaferri
Measurers F. Mallia, G. Masi, M. Di Sora, U. Tagliaferri
0.40-m $f/8.0$ reflector + CCD
USNO-SA2.0
[109, 1, 0∗, 2006/07/03]

A44 Altschwendt
W. Ries, Privatobservatory Altschwendt, Altenseng 6, A-4721 Altschwendt, Austria [diriesw@aon.at]
0.30-m $f/6$ reflector + CCD, 0.45-m $f/3.5$ reflector + CCD
USNO-A2.0
[22, 7, 0∗, 2006/03/19–2006/04/24]

A48 Povegliano Veronese
F. Rossetti, Via Di Vittorio 6, Povegliano Veronese (Verona), Italy [rosfla@libero.it]
0.30-m $f/5$ reflector + CCD
USNO-A2.0
[71, 12, 0∗, 2006/02/05–2006/05/14]

A49 Uppsala-Ångström
C.-I. Lagerkvist, Uppsala Astronomical Observatory, Box 515, S-751 20 Uppsala, Sweden [classe@astro.uu.se]
G. Hahn, DLR - Institute Space Sensor Technology and of Planetary Exploration, Rutherfordstrasse 2, D-12489 Berlin, Germany [Gerhard.Hahn@DLR.de]
Observers O. Karlsson, T. Oja
Measurers G. Hahn, O. Karlsson, C.-I. Lagerkvist, S. Mottola
0.90-m $f/5$ reflector + CCD
USNO-SA2.0
[6, 1, 0∗, 2006/03/07]

A50 Andrushivka Astronomical Observatory
Yu. Ivashchenko, 3-7 Observatorna Sreet, Andrushivka, Zhytomyr reg, Ukraine [yurets@gluk.org]
Observers O. Gerashchenko, Y. Ivashchenko, D. Kyrylenko, P. Ostafijchuk
0.6-m $f/2.0$ reflector + CCD
USNO-A2.0
[4100, 1886, 0∗, 2004/09/21–2006/07/07]

A53 Peschiera del Garda
R. Bianco, via della repubblica 31, Peschiera del Garda, I-37019 Italy [robertobianco1950@libero.it]
0.25-m Schmidt-Cassegrain + CCD
USNO-A2.0
[158, 22, 0∗, 2006/03/11–2006/06/23]

A55 Osservatorio Astronómico Vallemare di Borbona
V. S. Casulli, via Monte Rosa 1, I-00012 Colleverde di Guidonia (RM), Italy [v.casulli@libero.it]
0.40-m $f/4.5$ Newtonian reflector + CCD
USNO-A2.0
[218, 29, 11∗, 2006/03/17–2006/06/15]

A56 Parma
A. Carbognani, via Gioberti 8, Parma, Italy [albino.carbognani@libero.it]
0.25-m $f/4.8$ reflector
USNO-SA2.0
[6, 2, 0∗, 2006/06/17]

A60 YSTAR-NEOPAT Station, Sutherland
Y. I. Byun, Yonsei University Observatory, Seoul 120-749, South Korea [byun@galaxy.yonsei.ac.kr]
Observers J. Menzies, O. Mousis
Measurer R. Behrend
0.5-m $f/2$ reflector + CCD
USNO-A2.0
[7, 1, 0∗, 2006/05/30]

A62 Aichtal
F. Schneider, Sternwarte Aichtal, Aichtal, Heideweg 11, D-72631 Aichtal, Germany [spatz1@t-online.de]
0.30-m $f/3.75$ Newtonian reflector + CCD
USNO-B1.0
[45, 6, 0∗, 2006/03/19–2006/07/01]

A65 Le Couvent de Lentin
A. Vergara, Le Couvent de Lentin, F-12170 Ledergues, France [avergara33@wanadoo.fr]
0.13-m $f/6.8$ refractor + CCD
USNO-A2.0
[32, 11, 0∗, 2006/03/13–2006/03/25]

A67 Chiusa di Pesio
M. Dho, Piazza Carlo Mauro 11, Chiusa di Pesio, I-12013 Cuneo, Italy [dhomario@virgilio.it]
0.30-m $f/3.3$ Cassegrain + CCD
UCAC-2
[23, 1, 0∗, 2006/05/27]

A70 Lumijoki
V. Kallio, Luontotie 48, SF-91980 Lumijoki, Finland [veijo.kallio@mail.suomi.net]
0.40-m $f/5$ reflector
GSC, USNO-SA2.0
[19, 4, 0∗, 2006/03/06–2006/04/02]

A72 Radebeul Observatory
M. Fiedler, Astroclub Radebeul e.V., Auf den Ebenbergen 10a, D-01445 Radebeul, Germany [ccd@astroclub-radebeul.de]
0.06-m $f/13.3$ refractor + CCD
USNO-B1.0
[8, 2, 0∗, 2005/04/02–2006/07/03]

A74 Bergen-Enkheim Observatory
U. Suessenberger, Hohe Strasse 14, D-60388 Frankfurt, Germany [u.suessenberger@t-online.de]
0.36-m $f/4.6$ Schmidt-Cassegrain + CCD
USNO-B1.0
[163, 21, 0∗, 2006/03/18–2006/07/02]

A78 Stia
G. Bartolozzi, Via 17 Partigiani No. 56, I-52017 Stia, Arezzo, Italy [giba44@virgilio.it]
0.28-m $f/10$ Schmidt-Cassegrain + CCD
USNO-B1.0
[8, 2, 0∗, 2006/04/14–2006/04/24]

A79 Zvezdno Obshtestvo Observatory, Plana
F. Fratev, Persenk 34b, BG-1000 Sofia, Bulgaria [filipfratev@yahoo.com]
Observers F. Fratev, R. Stanchev, E. Mihaylova
0.25-m $f/4.7$ reflector + CCD
USNO-B1.0, USNO-A2.0
[18, 5, 0∗, 2006/06/24–2006/07/01]

A80 Lindenberg Observatory
A. Knöfel, Am Observatorium 2, D-15848 Lindenberg, Germany [aknoefel@minorplanets.de]
0.30-m $f/4$ reflector + CCD
UCAC-2
[66, 24, 0∗, 2006/03/22–2006/03/23]

A81 Balzaretto Observatory, Rome
L. Franco, via G. Balzaretto 80, I-00163 Roma, Italy [lor_franco@libero.it]
0.20-m reflector + CCD
USNO-B1.0
[22, 5, 0∗, 2006/03/17–2006/07/03]

A83 Jakokoski Observatory
P. Pääkkönen, University of Joensuu, Department of Physics, P.O. Box 111, SF-80101 Joensuu, Finland [pertti.paakkonen@joensuu.fi]
0.50-m $f/8.5$ Cassegrain + CCD
USNO-A2.0
[7, 3, 0∗, 2006/04/22]

A87 Rimbach
M. Koenig, Hainbuchenweg 8, D-64668 Rimbach, Germany [michael@schmid-koenig.de]
0.28-m Schmidt-Cassegrain + CCD
USNO-B1.0
[4, 1, 0∗, 2006/06/08]

A88 Bolzaneto
S. Martini, via B. Castiglione 7, Bolzaneto (GE), Italy [mar_stefano@yahoo.it]
020-m $f/10$ Schmidt-Cassegrain + CCD
UCAC-2
[6, 3, 0∗, 2006/04/07]

A89 Sterni Observatory, Kempten
A. Bonne, Magnusstr. 2 1/2, D-87437 Kempten, Germany [andreas@schelldorf-sued.de]
0.2-m $f/10$ Schmidt-Cassegrain + CCD
UCAC-2
[164, 28, 0∗, 2006/03/13–2006/07/02]

A90 Sant Gervasi Observatory, Barcelona
J. M. Coloma, Copernic 75-AT-2, Barcelona, Spain [observasantgervasi@wanadoo.es]
0.2-m $f/5.5$ Schmidt-Cassegrain + CCD
UCAC-2
[12, 3, 0∗, 2006/04/18–2006/06/07]

A91 Hankasalmi Observatory
A. Oksanen, Verkkoniementie 30, FI-40950 Muurame, Finland [[arto.oksanen@jklsirius.fi]
0.40-m $f/8.4$ Ritchey-Chrétien + CCD
USNO-A2.0
[3, 1, 0∗, 2006/03/20]

A94 Cormons
E. G. Basiglio Ribaudo, 22 Via Savaian, Cormons, I-34071 Italy [pociotti@simail.it]
0.36-m Ritchey-Chrétien + CCD
UCAC-2, USNO-B1.0, USNO-A2.0
[126, 29, 0∗, 2006/03/25–2006/06/26]

A95 Taurus Hill Observatory, Karhilantaipaleentie
M. Nissinen, Warkauden Kassiopeia ry, Karhilantaipaleentie 144 C, SF-79480 Kangaslampi, Finland [markku.nissinen@wkassiopeia.net]
Observers M. Nissinen, V. P. Hentunen, H. Taino
0.3-m $f/10$ Schmidt-Cassegrain + CCD
[12, 3, 0∗, 2006/03/22–2006/03/23]

A96 Klosterneuburg
E. Meyer, Ferd.-Markl-Str. 1/62, A-4040 Linz, Austria [er.meyer@ooenet.at]
Observers E. Meyer, E. Presssberger, M. Stoll
Measurer E. Meyer
USNO-A2.0
[5, 2, 0∗, 2006/05/12]

A97 Stammersdorf
W. Vollmann, Dammaeckergasse 28/D1/20, A-1210 Wien, Austria [vollmann@gmx.at]
0.13-m $f/8$ refractor + CCD
USNO-B1.0
[50, 1, 0∗, 2006/07/03]

A98 Taurus-1 Observatory, Baran'
S. E. Shurpakov, 211011, st. Korban, h. 1, f. 22, Baran', Belarus [shurpakov@tut.by]
0.19-m $f/5.2$ reflector + CCD
USNO-A2.0
[26, 3, 0∗, 2006/05/25–2006/06/01]

A99 Osservatorio del Monte Baldo
F. Castellani, no details supplied [flaviocastellani@libero.it]
0.4-m reflector + CCD
USNO-A2.0
[41, 6, 0∗, 2006/05/28–2006/06/21]

B00 Savigny-le-Temple
P. Sogorb, 5 rue Faviere, F-77176 Savigny-le-Temple, France [p_sogorb@club-internet.fr]
0.08-m $f/5.0$ refractor + CCD, 0.31-m $f/3.4$ reflector + CCD
USNO-A2.0
[77, 25, 0∗, 2006/06/07–2006/07/02]

B01 Taunus Observatory, Frankfurt
E. Schwab, Westendstrasse 8, D-63329 Egelsbach, Germany [e.schwab@gsi.de]
Observers S. Hess, R. Kling, E. Schwab, M. Weigand
0.6-m $f/3.3$ Cassegrain + CCD
USNO-SA2.0
[38, 3, 0∗, 2006/06/06–2006/07/03]

B02 Kielce
P. Kankiewicz, Swietokrzyska 15, PL-25406 Kielce, Poland [pawel.kankiewicz@pu.kielce.pl]
0.35-m $f/11$ Schmidt-Cassegrain + CCD
USNO-A2.0
[12, 2, 0∗, 2006/03/23–2006/04/28]

B03 Alter Satzberg, Vienna
M. Pietschnig, KLG Alter Satzberg 88, A-1140 Wien, Austria [pietschnig@utanet.at]
0.35-m $f/11$ Schmidt-Cassegrain + CCD
USNO-B1.0
[16, 3, 0∗, 2006/05/12–2006/06/15]

B04 Saint-Barthelemy Observatory
A. Carbognani, Osservatorio Astronómico della Regione Autonoma Valle d'Aosta 39 Saint-Barthelemy Lignan, I-11020 NUS (Aosta), Italy [albino@fis.unipr.it]
Observers A. Carbognani, P. Calcidese
Measurer A. Carbognani
0.8-m $f/7.9$ reflector + CCD
USNO-B1.0
[29, 3, 0∗, 2006/06/26–2006/07/01]

B18 Terskol
S. Barabanov, Institute of Astronomy of RAS, 48 Pyatnitskaya, Moscow 109017, Russia [inasan@burbonz.nalnet.ru]
Observers S. Barabanov, A. Sergeev
Measurers S. Barabanov, M. Smirnov
2.0-m $f/1.78$ reflector + CCD
USNO-A2.0
[7, 2, 0∗, 2000/02/11–2001/03/25]

D34 Kenting Observatory, Hengchun
Y.-S. Tsai, No. 1-1, Shiniu Lane, Kending Rd., Hengchun, Pingtung 94644, Taiwan [tom6740@hotmail.com]
Observer K.-C. Liu
Measurer Y.-S. Tsai
0.40-m $f/10$ Schmidt-Cassegrain + CCD
USNO-A2.0
[8, 2, 0∗, 2006/03/16–2006/03/17]

D35 Lulin Observatory
H. C. Lin, 300 JungDa Rd, Chung-li City, Tao-yuan Country, Taiwan [hclin@lulin.ncu.edu.tw]
Observers C. S. Lin, M. Yang, Q. Ye, T. C. Yang, H. C. Lin
1.0-m $f/8.0$ Cassegrain reflector + CCD, 1.23-m $f/2.5$ Schmidt, 0.41-m $f/8.8$ Ritchey-Chrétien + CCD
USNO-B1.0, UCAC-2, GSC-ACT, GSC-2.2
[3245, 762, 59∗, 2006/03/11–2006/07/07]

D44 Ishigakijima Astronomical Observatory
D. Kuroda, Ishigakijima Astronomical Observatory, NAOJ, 1024-1 Arakawa, Ishigaki, Okinawa-ken, 907-0024, Japan
1.05-m $f/12.0$ reflector + CCD
[42, 3, 0∗, 2006/05/19–2006/05/20]

E12 Siding Spring Survey
R. H. McNaught, Siding Spring Observatory, Coonabarabran, NSW 2357, Australia [rmn@mso.anu.edu.au]
Observers R. H. McNaught, G. J. Garradd
Measurers E. C. Beshore, E. J. Christensen, G. J. Garradd, A. D. Grauer, R. E. Hill, R. A. Kowalski, S. M. Larson, R. H. McNaught, A. R. Gibbs
0.5-m Uppsala Schmidt + CCD
UCAC-2
[130319, 15953, 353∗, 2004/04/16–2006/07/08]

E14 Hunters Hill Observatory, Ngunnawal
D. Higgins, 7 Mawalan Street, Ngunnawal, ACT 2913, Australia [higginsdj@bigpond.com]
0.36-m $f/4$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0
[288, 49, 0∗, 2006/03/17–2006/07/08]

E17 Leura
J. Oey, 94 Rawson Pde., Leura, NSW 2780, Australia [julianoey1@optusnet.com.au]
0.35-m $f/11$ Schmidt-Cassegrain + CCD
UCAC-2
[77, 18, 0∗, 2006/03/09–2006/06/28]

E21 Norma Rose Observatory, Leyburn
W. K. Y. Yeung, 139 Sandringham Place NW, Calgary, AB T3K 3V8, Canada [Calgarian@canada.com]
Observers J. Riffle, W. K. Y. Yeung
0.45-m $f/3$ reflector + CCD
GSC-ACT
[6, 3, 0∗, 2003/08/04]

E26 RAS Observatory, Biggera Waters
E. Guido, via Paride del Pozzo 12, Castellammare di Stabia, 80053 Italy [walcom77@gmail.com]
Observers E. Guido, G. Sostero
0.15-m $f/6.0$ reflector + CCD
UCAC-2
[17, 5, 0∗, 2006/07/02–2006/07/06]

F65 Haleakala-Faulkes Telescope North
A. Fitzsimmons, APS Division, Dept. of Pure & Applied Physics, Queen's University Belfast, Belfast BT7 1NN, Northern Ireland [a.fitzsimmons@qub.ac.uk] (1)
D. Bowdley, Faulkes Telescope Project, Cardiff University, Cardiff CF24 3YB, Wales [david.bowdley@astro.cf.ac.uk] (3)
J. Bedient, Institute for Astronomy, 2680 Woodlawn Drive, Honolulu, HI 96822, U.S.A. [bedient@hawaii.edu] (4)
Observers A. Fitzsimmons, S. C. Lowry, C. Snodgrass, J. Bedient, A. Cikota, D. Bowdley, M. Beer, A. Aziz, J. L. D. Wingrad, F. P. Keeling, C. A. Sawyer, C. J. Barry, A. S. E. Allen, A. D. Taylor, J. H. Hardie
2.0-m $f/10.0$ reflector + CCD
USNO-A2.0, USNO-B1.0
{1} *[101, 25, 0∗, 2006/04/05–2006/06/05]*

{3} *[28, 6, 0∗, 2006/04/30–2006/05/31]*

{4} *[6, 2, 0∗, 2006/04/30]*

F84 Hibiscus Observatory, Punaauia
N. Teamo, BP 13736, Punaauia, Tahiti, French Polynesia [ateamo@mail.pf]
Observers J.-C. Pelle, S. F. Hönig, N. Teamo
Measurers J.-C. Pelle, S. F. Hönig
0.36-m $f/2.9$ reflector + CCD
USNO-B1.0, UCAC-2
[529, 172, 14∗, 2006/04/30–2006/07/04]

G77 Baldwin Lake
L. Nemec, P.O. 1876, Big Bear City, CA 92314-1876, U.S.A. [nemecl@earthlink.net]
0.28-m Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0
[30, 6, 0∗, 2006/04/29–2006/07/10]

G87 Calvin M. Hooper Memorial Observatory, Hyde Park
D. Hooper, 458 N. 350 E., Hyde Park, UT 84318, U.S.A. [dale.hooper@comcast.net]
0.25-m $f/6.3$ Schmidt-Cassegrain + CCD
USNO-A2.0
[30, 5, 0∗, 2006/05/24–2006/06/24]

G88 LAMP Observatory, New River
S. Loucks, LAMP Observatory, 2434 W. Black Canyon Drive, New River, AZ 85087, U.S.A. [LAMP_Obs@ix.netcom.com]
Observer S. Loucks
Measurer J. Loucks
0.28-m $f/3.3$ Schmidt-Cassegrain + CCD
USNO-B1.0
[11, 4, 0∗, 2006/04/08–2006/04/17]

G92 Jarnac Observatory, Vail
D. H. Levy, 2500 E. Wetstones Rd., Vail, AZ 85641, U.S.A. [david@jarnac.org]
Observers D. Levy, W. Levy, T. Glinos
0.64-m $f/7.2$ Ritchey-Chrétien + CCD
USNO-A2.0
[2172, 560, 12∗, 2004/06/15–2006/07/10]

G93 Sonoita Research Observatory, Sonoita
W. R. Cooney, Jr., 1927 Fairview Dr., Port Allen, LA 70767, U.S.A. [waltc@cox.net]
Observers W. R. Cooney, Jr., J. Gross, D. Terrell
0.35-m $f/11$ Schmidt-Cassegrain + CCD
USNO-B1.0
[12, 4, 0∗, 2006/04/26]

G95 Hereford Arizona Observatory, Hereford
B. Gary, 5320 E. Calle Manzana, Hereford, AZ 85615, U.S.A. [BLGARY@umich.edu]
0.35-m $f/6.2$ Ritchey-Chrétien + CCD
UCAC-2
[3, 1, 0∗, 2006/05/31]

G96 Mt. Lemmon Survey
E. Beshore, 1629 E. University Blvd., Tucson, AZ 85721-0092, U.S.A. [ebeshore@lpl.arizona.edu]
Observers R. A. Kowalski, E. J. Christensen, A. D. Grauer, R. E. Hill, S. M. Larson, E. C. Beshore, A. R. Gibbs, D. W. McCarthy, R. Kowalski
Measurers E. C. Beshore, E. J. Christensen, G. J. Garradd, A. R. Gibbs, A. D. Grauer, R. E. Hill, R. A. Kowalski, S. M. Larson, R. H. McNaught
1.5-m reflector + CCD
UCAC-2
[249748, 37673, 2488∗, 2004/10/15–2006/07/01]

G98 Calvin-Rehoboth Observatory, Rehoboth
L. A. Molnar, Dept. of Physics & Astronomy, Calvin College, 1734 Knollcrest Circle SE, Grand Rapids, MI 49546, U.S.A. [lmolnar@calvin.edu]
USNO-A2.0
0.4-m $f/8$ Ritchey-Chrétien + CCD
USNO-A2.0
[235, 19, 4∗, 2006/03/06–2006/05/08]

H00 Tyrone
G. Emerson, P. O. Box 528, Tyrone, NM 88065, U.S.A. [gemerson@att.net]
0.20-m $f/4.0$ Schmidt-Newtonian + CCD
USNO-A2.0
[8, 2, 0∗, 2006/05/01–2006/05/02]

H05 Edmund Kline Observatory, Deer Trail
J. Gafford, 5471 Dillon St., Denver, CO 80239-6026, U.S.A. [joegafford@aol.com]
0.46-m $f/4.5$ reflector + CCD
UCAC-2
[6, 2, 0∗, 2006/03/24]

H06 New Mexico Skies Observatory
R. Hutsebaut, 154 rue de l'Intendant, B-1080 Bruxelles, Belgium [roberthutsebaut@hotmail.com] (2)
J. Sue, P.O. Box 25736, Honolulu, HI 96825, U.S.A. [jeffreys31@aol.com] (3)
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A. Lowe, 1412 70 Avenue SW, Calgary, AB T2V 0R3, Canada [andrew.lowe@encana.com] (6)
D. Wells, 10141 Cash Road, Suite E125, Stafford, TX 77477, U.S.A. [don.wells@hccs.edu] (13)
E. Guido, via Paride del Pozzo 12, Castellammare di Stabia, 80053, Italy [walcom77@gmail.com] (14)
Observers M. Nicholson, D. Wells, R. Hutsebaut, A. Lowe, E. Guido, G. Sostero, J. Sue, R. Gagliano, M. Suzuki
0.25-m reflector + CCD, 0.09-m reflector + CCD, 0.30-m reflector + CCD
UCAC-2, USNO-B1.0
{13} *[103, 23, 0∗, 2005/12/26–2006/03/24]*

{14} *[16, 8, 0∗, 2006/04/02]*

{2} *[56, 17, 0∗, 2006/03/23–2006/07/03]*

{3} *[5, 2, 0∗, 2005/01/16–2006/03/19]*

{5} *[100, 42, 0∗, 2006/03/22–2006/04/08]*

{6} *[805, 203, 16∗, 2006/03/21–2006/06/20]*

H07 7300 Observatory, Cloudcroft
W. K. Y. Yeung, 139 Sandringham Place NW, Calgary, AB T3K 3V8, Canada [Calgarian@canada.com]
0.45-m $f/3$ Schmidt-Cassegrain + CCD
GSC-ACT
[4070, 652, 0∗, 2005/11/26–2006/07/01]

H08 BlackBird Observatory, Cloudcroft
K. Levin, P.O. Box 137, Cloudcroft, NM 88317, U.S.A. [klevin57@gmail.com]
Observer K. Levin
Measurers J. C. Pelle, N. Teamo
0.51-m $f/8.26$ Ritchey-Chrétien + 4008x2672 CCD
UCAC-2
[23, 8, 0∗, 2006/02/21–2006/03/06]

H36 Sandlot Observatory, Scranton
G. Hug, 964 W. 149th St., Scranton, KS 66537, U.S.A. [frogstar@intergate.com]
0.30-m Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0
[146, 44, 0∗, 2003/11/28–2006/07/08]

H42 Wartburg College Observatory, Waverly
C. Figura, Wartburg College, 100 Wartburg Blvd., Waverly, IA 50677, U.S.A. [charles.figura@wartburg.edu]
Observers C. Figura, E. Benoy
0.36-m $f/11$ reflector + CCD
GSC-1.1, USNO-A2.0
[39, 10, 0∗, 2006/03/23–2006/04/04]

H45 Petit Jean Mountain South
P. C. Sherrod, 794 Drake Drive, Conway, AR 72034, U.S.A. [drclay@tcworks.net]
0.41-m $f/3.3$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-A2.0
[956, 54, 0∗, 2006/03/17–2006/07/07]

H47 Vicksburg
C. Bell, 107 Judson Circle, Vicksburg, MS 39180, U.S.A. [charbell@bellsouth.net]
0.3-m Schmidt-Cassegrain + CCD
USNO-B1.0
[6, 2, 0∗, 2006/06/04]

H49 ATU Astronomical Observatory, Russellville
J. W. Robertson, Arkansas Tech University, 1701 N. Boulder, Russellville, AR 72801, U.S.A. [jeff.robertson@atu.edu]
Observers J. W. Robertson, M. J. Ahrns
Measurer J. W. Robertson
0.30-m $f/10$ Schmidt-Cassegrain + CCD
UCAC-2
[28, 2, 0∗, 2006/01/25–2006/03/15]

H51 Greiner Research Observatory, Verona
G. Sellek, 7571 Heather Knoll Ln, Verona, WI 53593, U.S.A.
[orion2598@charter.net]
Observers G. Sellek, M. Mills
0.20-m $f/8$ Schmidt-Cassegrain, 0.4-m $f/10$ Ritchey-Chrétien + CCD
UCAC-2
[69, 17, 0∗, 2006/06/20–2006/07/08]

H55 Astronomical Research Observatory, Charleston
R. Holmes, 7616 NCR 1800E, Charleston, IL 61920, U.S.A. [astro@advant.net]
Observer R. Holmes
Measurers C. McKnight, B. Hales, C. Stephens, R. Holmes, M. Wheeler, L. Durr, A. Bowling, P. Miller
0.40-m $f/10$ Schmidt-Cassegrain + CCD
USNO-A2.0
[198, 48, 0∗, 2006/03/15–2006/07/07]

H64 Thomas More College Observatory, Crestview Hills
T. R. Flesch, 333 Thomas More Parkway, Crestview Hills, KY 41017, U.S.A.
[terry.flesch@thomasmore.edu]
Observer R. Sketch
0.25-m Schmidt-Cassegrain + CCD
UCAC-2
[12, 3, 0∗, 2006/02/24–2006/03/30]

H67 Stonegate Observatory, Ann Arbor
G. A. Vander Haagen, 825 Stonegate Road, Ann Arbor, MI 48103, U.S.A.
[garyvh2@att.net]
0.35-m $f/5.5$ Schmidt-Cassegrain + CCD
GSC-ACT, USNO-SA2.0
[25, 4, 0∗, 2006/04/16–2006/06/30]

H82 CBA-NOVAC Observatory, Front Royal
D. Skillman, 6-G Ridge Road, Greenbelt, MD 20770, U.S.A.
[dskillman@comcast.net]
0.66-m $f/2.7$ reflector + CCD
UCAC-2, USNO-B1.0
[138, 36, 0∗, 2006/02/25–2006/06/16]

H85 Silver Spring
K. Levin, 10712 Meadowhill Road, Silver Spring, MD 20901, U.S.A.
[klevin57@gmail.com]
Observer K. Levin
Measurer J.-C. Pelle
0.45-m $f/7.3$ Ritchey-Chrétien + CCD
UCAC-2, USNO-B1.0
[216, 93, 1∗, 2005/12/20–2006/05/29]

H89 Galaxy Blues Observatory, Gatineau
M. F. Vasseur, 66 Lachapelle, Gatineau, QC J8T 5G7, Canada
[mvasseur@videotron.ca]
0.25-m $f/4$ reflector + CCD
USNO-B1.0
[24, 7, 0∗, 2006/03/27–2006/06/02]

H90 Ottawa
R. L. Wagner, 1696 Teakdale Avenue, Ottawa, ON K1C 6M4, Canada
[rick.wagner@rogers.com]
0.20-m $f/5.6$ Newtonian reflector + CCD
UCAC-2
[17, 4, 0∗, 2006/03/06–2006/06/21]

H98 Dark Rosanne Obs., Middlefield
R. Krajewski, 38 Lake Shore Dr., Middlefield, CT 06455, U.S.A.
[rickra@highstream.net]
0.20-m $f/4$ reflector + CCD
USNO-B1.0, UCAC-2
[49, 11, 0∗, 2006/03/17–2006/06/12]

I03 European Southern Obs., La Silla-ASTROVIRTEL
C. Barbieri, Astronomical Observatory and Dept. of Astronomy of the University of Padova, Vicolo Osservatorio 5, I-35122 Padova, Italy
[barbieri@pd.astro.it]
Observers S. Magrin, S. Marchi, A. Migliorini
2.2-m reflector + CCD
USNO-A2.0
[43, 12, 0∗, 1999/11/12–2002/02/13]

I05 Las Campanas Observatory-TIE
D. J. Mendicini, no details supplied [daniel_mendicini@yahoo.com.ar]
0.35-m $f/7.0$ Cassegrain + CCD
USNO-A2.0
[9, 5, 0∗, 2005/11/12–2006/05/13]

I10 CAOS-CampoCatino Austral Observatory Survey
G. Masi, Via Madonna de Loco 47, I-03023 Ceccano (FR), Italy
[cao@campocatinobservatory.org]
Observers F. Mallia, G. Masi, A. Maury
Measurers A. Maury, M. Di Sora
0.50-m $f/3.0$ reflector + CCD
UCAC-2
[150, 43, 0∗, 2006/06/05–2006/06/17]

I77 CEAMIG-REA Observatory, Belo Horizonte
C. Jacques, P.O. Box 1084, Belo Horizonte, BR-30000 Minas Gerais, Brazil
[cjacqueslf@yahoo.com.br]
Observers C. Jacques, E. Pimentel
0.30-m $f/3.0$ Schmidt-Cassegrain + CCD
UCAC-2
[122, 33, 0∗, 2006/03/23–2006/07/05]

J50 La Palma-NEON
K. Muinonen, P.O. Box 14, University of Helsinki, SF-00014 Helsinki, Finland
[karri.muinonen@helsinki.fi]
Observers K. Holhjem, D. Sharapov, L. Glowienka, J. Niemelä, O. Karlsson
Measurers J. Näränen, M. Granvik
2.5-m $f/11$ Nordic Optical Telescope + CCD
USNO-A2.0
[70, 14, 0∗, 2006/04/22–2006/06/27]

J54 Bradford Robotic Telescope
J. Baruch, University of Bradford, Richmond Road, Bradford, West Yorkshire BD7 1DP, England [john@telescope.org]
Observer F. Tozzi
0.36-m Schmidt-Cassegrain + CCD
USNO-A2.0
[4, 1, 0∗, 2006/06/09–2006/06/11]

J59 Observatorio Linceo, Santander
J. Temprano, Santa Lucia 48, E-39003 Santander, Spain [tempranj@unican.es]
0.25-m $f/3.3$ Schmidt-Cassegrain + CCD
UCAC-2
[16, 4, 0∗, 2006/06/04–2006/06/06]

J61 Brownstown Observatory, Kilcloon
K. Sweeney, 3 Brownstown, Kilcloon, County Meath, Ireland [kevin_sweeney@sweeneysite.com]
0.30-m $f/8$ Schmidt-Cassegrain + CCD, 0.25-m $f/8$ Schmidt-Cassegrain + CCD
[82, 25, 0∗, 2006/05/15–2006/06/02]

J62 Kingsland Observatory, Boyle
E. Ansbro, Kingsland Observatory, Boyle, Co. Roscommon, Ireland [eansbro@eircom.net]
0.93-m $f/4.5$ reflector + CCD
USNO-A2.0
[9, 3, 0∗, 2006/04/03]

J63 San Gabriel
F. Lopéz, Ramón Gómez Sempere 16, Esc2, 5o. B, E-03008 Alicante, Spain [flopezpe@telefonica.net]
0.13-m $f/5.0$ Schmidt-Cassegrain + CCD
UCAC-2
[24, 4, 0∗, 2006/03/25–2006/03/29]

J64 La Mata
J. García, 40B Mayor Street, 4 N., E-03188 Torrelamata, Spain [moreno2004@telefonica.net]
0.20-m Schmidt-Cassegrain + CCD
USNO-A2.0, UCAC-2
[36, 8, 0∗, 2006/03/23–2006/05/20]

J65 Celbridge
D. McDonald, 38 The Walk, Oldtown Mill, Celbridge, Co. Kildare, Ireland [dmcdona@eircom.net]
0.2-m $f/6.3$ Schmidt-Cassegrain + CCD
USNO-B1.0
[319, 14, 0∗, 2006/03/22–2006/05/31]

J67 Observatorio La Puebla de Vallbona
E. Arce M., Av. Juan XXIII 13-6, E-46025 Valencia, Spain [enrique@hfsystem.net]
0.25-m Schmidt-Cassegrain + CCD
UCAC-2, USNO-A2.0
[4, 1, 0∗, 2006/06/28]

J68 Tweenhills Observatory, Hartpury
D. A. Miller, 2 Tweenhills Cottage, Hartpury, Glos. GL19 3BG, England [minor.planets@dmiller.demon.co.uk]
0.30-m Schmidt-Cassegrain + CCD
USNO-B1.0
[6, 1, 0∗, 2006/07/04–2006/07/05]

J69 North Observatory, Clanfield
D. Briggs, 124 Redbridge Grove, Havant, Portsmouth PO9 3DF, England [dbriggs@kepler.demon.co.uk]
0.40-m $f/4.57$ Newtonian reflector + CCD
USNO-A2.0
[24, 3, 0∗, 2006/05/10–2006/07/07]

J70 Obs. Astronómico Vega del Thader, El Palmar
J. P. Navarro P., Observatorio Astronómico Vega del Thader, El Palmar, Murcia, Spain [jpab@ono.com]
Observers J. P. Navarro P., R. Ferrando
0.20-m Schmidt-Cassegrain + CCD
USNO-B1.0, UCAC-2
[4, 1, 0∗, 2006/06/11]

J76 La Murta
S. Antonio, Apartado de correos 249, E-30500 Molina (Murcia), Spain [astromurcia@wanadoo.es]
Observers S. Pastor, J. A. Reyes
0.40-m Schmidt-Cassegrain + CCD
USNO-A2.0
[15, 4, 0∗, 2006/03/26–2006/05/26]

J77 Golden Hill Observatory, Stourton Caundle
R. Miles, Grange Cottage, Stourton Caundle, Dorset DT10 2JP, England [rmiles@baa.u-net.com]
0.28-m $f/10$ Schmidt-Cassegrain + CCD, 0.06-m $f/5.9$ refractor + CCD
UCAC-2, USNO-B1.0
[16, 1, 0∗, 2006/07/04–2006/07/05]

J86 Sierra Nevada Observatory
J. L. Ortiz, Instituto de Astrofisica de Andalucia, Camino Bajo de Huetor 24, E-18008 Granada, Spain [Ortiz@iaa.es]
Observer J. L. Ortiz
Measurer R. Stoss
1.50-m $f/8.0$ Ritchey-Chrétien + CCD
USNO-B1.0
[5, 1, 0∗, 2005/05/26–2005/05/27]

J87 La Cañada
J. Lacruz, Ramon Gomez de la Serna 83 7F, E-28035 Madrid, Spain [juan_lacruz@yahoo.com]
0.30-m Schmidt-Cassegrain + CCD
USNO-A2.0, UCAC-2, USNO-B1.0
[208, 39, 1∗, 2006/03/24–2006/07/02]

J93 Mount Tuffley Observatory, Gloucester
J. Fletcher, 54 Windsor Drive, Tuffley, Gloucester GL4 0QT, England [jfmto@blueyonder.co.uk]

0.25-m $f/5.5$ Schmidt-Cassegrain + CCD
USNO-A2.0
[28, 4, 0∗, 2006/04/27–2006/06/17]

J94 Abbeydale
A. E. Cahill, Mount Abbeydale, 51 Fieldfare, Abbeydale, Gloucester GL4 4WH, England [alancahill@blueyonder.co.uk]
0.3-m $f/4.0$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-A2.0, USNO-B1.0
[108, 35, 0∗, 2006/04/03–2006/05/03]

J95 Great Shefford
P. Birtwhistle, Phlox Cottage, Wantage Road, Great Shefford, Berkshire RG17 7DA, England [peter@birtwhi.demon.co.uk]
0.40-m $f/6.0$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0
[791, 155, 8∗, 2006/01/25–2006/07/09]

J97 Alginet
T. Climent G., C/Empedrado 32, Alginet, E-46230 Valencia, Spain [toniclimentgar@terra.es]
0.25-m $f/3.3$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-A2.0
[4, 4, 0∗, 2006/03/28–2006/06/02]

ORBITAL ELEMENTS

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MPCALB (entirely automated processing on MPC computer ALBERT)
MPCAPO (entirely automated processing on MPC computer APOLLO)

C/2004 B1 (LINEAR)
Epoch 2006 Jan. 25.0 TT = JDT 2453760.5

				MPC	
T	2006 Feb. 7.8875 TT				
q	1.601940		(2000.0)	**P**	**Q**
z	−0.000806	ω	327.9000	+0.2581066	−0.3194697
	±0.000000	Ω	272.8018	−0.5736009	−0.8100795
e	1.001292	i	114.0965	−0.7774078	+0.4916405

From 974 observations 2004 Jan. 28–2006 July 6, mean residual 0″.6.

C/2005 G1 (LINEAR)
Epoch 2006 Mar. 6.0 TT = JDT 2453800.5

				MPC	
T	2006 Feb. 27.3866 TT				
q	4.960662		(2000.0)	**P**	**Q**
z	+0.000042	ω	113.8254	−0.4507364	−0.3406987
	±0.000001	Ω	299.5867	−0.1538566	+0.9401178
e	0.999792	i	108.4145	+0.8792979	−0.0101467

From 259 observations 2005 Mar. 22–2006 June 30, mean residual 0″.6.

C/2005 Q1 (LINEAR)
Epoch 2005 Aug. 18.0 TT = JDT 2453600.5

				MPC	
T	2005 Aug. 25.5163 TT				
q	6.408374		(2000.0)	**P**	**Q**
z	−0.000693	ω	44.6903	+0.2122992	+0.1582087
	±0.000006	Ω	87.7269	+0.3750608	−0.9244218
e	1.004442	i	105.1878	+0.9023627	+0.3470077

From 121 observations 2005 Aug. 27–2006 June 3, mean residual 0″.7.

P/2005 V1 (Bernardi)
Epoch 2005 Aug. 18.0 TT = JDT 2453600.5

				MPC	
T	2005 Aug. 12.5679 TT				
q	2.345089		(2000.0)	**P**	**Q**
n	0.1033418	ω	357.3169	−0.6039202	−0.7696758
a	4.497303	Ω	129.7388	+0.7361972	−0.6382222
e	0.478557	i	15.6219	+0.3054407	+0.0164831
P	9.54				

From 35 observations 2005 Nov. 1–2006 Apr. 28, mean residual 0″.2.

C/2006 A1 (Pojmanski)
Epoch 2006 Mar. 6.0 TT = JDT 2453800.5

				MPC	
T	2006 Feb. 22.1816 TT				
q	0.555396		(2000.0)	**P**	**Q**
z	+0.000401	ω	351.1880	−0.8401813	−0.1553745
	±0.000002	Ω	211.3433	−0.4164715	−0.4287788
e	0.999777	i	92.7362	−0.3473426	+0.8899480

From 492 observations 2006 Jan. 4–June 24, mean residual 0″.6.

C/2006 HW$_{51}$ (Siding Spring)
Epoch 2006 Sept. 22.0 TT = JDT 2454000.5

				MPC	
T	2006 Sept. 29.3063 TT				
q	2.265684		(2000.0)	**P**	**Q**
z	−0.001024	ω	359.9582	−0.6678540	+0.5185539
	±0.000019	Ω	228.1275	−0.6826664	−0.7125835
e	1.002320	i	45.8097	−0.2965428	+0.4725744

From 136 observations 2006 Apr. 23–June 27, mean residual 0″.3.