
This is a preliminary version of the observer details to be listed in the
Observer Summary in the forthcoming batch of *MPCs*.
Ignore the date and circular numbers, which may or may not be correct.

OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

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| <p>049 Uppsala-Kvistaberg. Observers O. Karlsson, C.-I. Lagerkvist, T. Oja. Measurers G. Hahn, O. Karlsson, C.-I. Lagerkvist, S. Mottola, J. Warell. 1.0-m Schmidt + CCD.</p> <p>071 Rhozen. Observers G. Apostolovska, B. Bilkina. Measurers V. Ivanova, B. Bilkina. 0.50-m $f/1.4$ Schmidt + CCD.</p> <p>084 Pulkovo. Observers A. V. Devyatkin, A. S. Bekhteva, D. L. Gorshanov, V. V. Kouprianov, E. Yu. Aleshkina, O. V. Krakosevich, K. V. Barshevich. Measurers A. V. Devyatkin, G. D. Baturina. 0.32-m $f/3.2$ reflector + CCD.</p> <p>104 San Marcello Pistoiese. Observers L. Tesi, M. Tombelli, G. Fagioli. Measurers G. Forti, L. Tesi, M. Tombelli. 0.60-m $f/4$ reflector + CCD.</p> <p>106 Crni Vrh. Observer H. Mikuž. 0.60-m $f/3.3$ Delta graph + CCD.</p> <p>107 Cavezzo. Observer M. Nicolini. 0.4-m $f/5.5$ reflector + CCD.</p> <p>118 Modra. Observers Š. Gajdoš, J. Világi. 0.6-m $f/5.5$ reflector + CCD.</p> <p>127 Bornheim. Observer N. Ehring. 0.30-m $f/3.2$ astrograph + CCD.</p> <p>130 Lumezzane. Observers C. Cremaschini, S. Foglia, W. Marinello, M. Micheli, G. Pizzetti. Measurers W. Marinello, M. Micheli. 0.40-m $f/4.5$ reflector + CCD.</p> <p>132 Bedoin. Observer P. Antonini. 0.30-m $f/3.3$ Schmidt-Cassegrain + CCD.</p> <p>170 Observatorio de Begues. Observers J. Manteca, J. Muñoz. Measurer J. Manteca. 0.36-m $f/10$ Schmidt-Cassegrain + CCD.</p> <p>201 Jonathan B. Postel Observatory. Observer V. Pozzoli. 0.40-m $f/9$ Cassegrain + CCD.</p> <p>204 Schiaparelli Observatory. Observers L. Buzzi, G. Cardarelli. Measurer L. Buzzi. 0.60-m $f/4.64$ Newtonian reflector + CCD.</p> <p>213 Observatorio Montcabre. Observer R. Naves. Measurer M. Campas. 0.30-m $f/10$ Schmidt-Cassegrain + CCD.</p> <p>233 San Vito. Observer S. Donati. 0.25-m $f/10$ Schmidt-Cassegrain + CCD.</p> <p>235 CAST Observatory, Talmassons. Observer R. Ligustri. 0.35-m $f/5$ reflector + CCD.</p> <p>246 Kleť Observatory-KLENOT. Observers J. Tichá, M. Tichý. Measurer M. Tichý. 1.06-m KLENOT Telescope + CCD.</p> <p>249 SOHO. SOHO-LASCO coronagraphs C3 and C2. Measurements by K. Battams. reductions by B. G. Marsden.</p> <p>304 Las Campanas Observatory. Observers A. Rivkin, R. Binzel. Measurer K. Smalley. Clay 6.5-m telescope + CCD.</p> <p>349 Ageo. Observer K. Kadota. 0.25-m $f/5.0$ reflector + CCD.</p> <p>360 Kuma Kogen. Observer A. Nakamura. 0.60-m $f/5.8$ Ritchey-Chrétien + CCD.</p> <p>372 Geisei. Observer T. Seki. 0.60-m $f/3.5$ reflector.</p> <p>379 Hamamatsu-Yuto. Observer S. Wakuda. 0.25-m $f/5.0$ Schmidt-Cassegrain + CCD.</p> <p>411 Oizumi. Observer T. Kobayashi. 0.41-m $f/4.3$ reflector + CCD.</p> <p>415 Kambah, near Canberra. Observer D. Herald. 0.36-m $f/3.9$ Schmidt-Cassegrain + CCD.</p> | <p>445 Observatori d'Ontinyent. Observer M. Camarasa. 0.20-m $f/7.2$ Schmidt-Cassegrain + CCD.</p> <p>458 Guadarrama Observatory. Observer D. Rodriguez. 0.20-m $f/10$ Schmidt-Cassegrain + CCD.</p> <p>561 Piskéstető. Observer J. Kelemen. 0.6-m Schmidt + CCD.</p> <p>565 Bassano Bresciano. Observers U. Quadri, L. Strabla, R. Girelli. Measurer U. Quadri. 0.25-m $f/3.5$ reflector + CCD.</p> <p>568 Mauna Kea. Observers F. Bernardi, D. J. Tholen. Measurer D. J. Tholen. 2.24-m University of Hawaii reflector + CCD.</p> <p>595 Farra d'Isonzo. Observers M. Spolaor, E. Pettarin. Measurer M. Spolaor. 0.40-m $f/4.5$ reflector + CCD.</p> <p>608 Haleakala-NEAT/MSSS. Observers R. Bamberg, M. Hicks, K. Lawrence, E. Helin, P. Kervin, J. Africano, R. Maed. Measurer M. Meyer. 1.2-m reflector + CCD.</p> <p>619 Sabadell. Observers R. Josa, S. Guillen, R. Casas, I. Carbonell, X. Lazaro. Measurers R. Josa, R. Casas, I. Carbonell, X. Lazaro. 0.50-m $f/4$ reflector + CCD.</p> <p>644 Palomar Mountain/NEAT. Observers R. Bamberg, M. Hicks, K. Lawrence, E. Helin, R. Thicksten. 1.2-m Schmidt + CCD.</p> <p>673 Table Mountain Observatory, Wrightwood. Observer J. Young. 0.6-m reflector + CCD.</p> <p>683 Goodricke-Pigott Observatory, Tucson. Observer R. Tucker. 0.35-m $f/11$ Schmidt-Cassegrain + CCD.</p> <p>691 Steward Observatory, Kitt Peak. Observer J. V. Scotti. 0.9-m $f/3$ reflector + CCD.</p> <p>699 Lowell Observatory-LONEOS. Observers B. A. Skiff, B. W. Koehn, M. E. Van Ness. 0.59-m LONEOS Schmidt + CCD.</p> <p>703 Catalina Sky Survey. Observers E. J. Christensen, R. Hill. Measurers E. C. Beshore, C. M. Casey, E. J. Christensen, G. J. Garradd, R. E. Hill, S. M. Larson, R. H. McNaught. 0.68-m Schmidt + CCD.</p> <p>704 Lincoln Laboratory ETS, New Mexico. Observers M. Blythe, F. Shelly, M. Bezpalko, R. Huber, L. Manguso, D. Torres, R. Kracke. Measurers J. Stuart, R. Sayer, J. Evans, J. Kommers. 1.0-m $f/2.15$ reflector + CCD.</p> <p>726 Brainerd. Observer J. Wentworth. 0.28-m $f/10$ Schmidt-Cassegrain + CCD.</p> <p>834 Buenos Aires-AAAA. Observers R. Mackintosh, M. Konishi. Measurer R. Mackintosh. 0.25-m $f/6.3$ Schmidt-Cassegrain + CCD.</p> <p>844 Los Molinos. Observers S. Roland, R. Salvo. 0.46-m $f/2.8$ reflector + CCD.</p> <p>850 Cordell-Lorenz Observatory, Sewanee. Observers D. T. Durig, E. W. Finch, D. T. Horton-Jones, T. S. Bodine. 0.30-m $f/5.9$ Schmidt-Cassegrain + CCD.</p> <p>918 Badlands Observatory, Quinn. Observers R. Dyvig, V. Reddy. Measurer V. Reddy. 0.66-m $f/4.8$ reflector + CCD.</p> <p>939 Observatorio Rodeno. Observer J. Castellano. 0.20-m $f/10$ Schmidt-Cassegrain + CCD.</p> <p>941 Observatorio Pla D'Arguines. Observer R. Ferrando. 0.36-m $f/6.3$ Schmidt-Cassegrain + CCD.</p> <p>945 Observatorio Monte Deva. Observer J. R. Vidal. 0.36-m $f/4.48$ Schmidt-Cassegrain + CCD.</p> |
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- A01 Masia Cal Maciarol Modul 1. Observer F. Baldris. 0.20-m $f/5.0$ Newtonian 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.
- A06 Mataro. Observers F. Garcia, E. Cortes. Measurer E. Cortes. 0.25-m $f/6.3$ Schmidt-Cassegrain + CCD.
- A10 Observatori Astronomic de Corbera. Observers J. Barceló, M. Casao, F. Morillas, C. Rodriguez. Measurer J. Barceló. 0.30-m $f/5.0$ Newtonian reflector + CCD.
- A18 Herne. Observer B. Brinkmann. 0.2-m $f/5.8$ Schmidt-Cassegrain + CCD.
- A30 Crespadoro. Observers S. Valentini, G. Peretto. Measurer S. Valentini. 0.23-m $f/10$ Schmidt-Cassegrain + CCD.
- A41 Rezman Observatory, Kamnik. Observer R. Palcic. 0.40-m $f/3.6$ reflector + CCD.
- A46 Lelekovice. Observer K. Hornoch. 0.35-m $f/4.7$ reflector + CCD.
- A61 Tortona. Observers F. Fratev, E. Mihaylova. Measurer F. Fratev. 0.25-m $f/4.7$ reflector + CCD.
- A65 Le Couvent de Lentin. Observer A. Vergara. 0.13-m $f/6.3$ refractor + CCD.
- D82 Wallaroo. Observer M. Mattiazzo. 0.28-m $f/3.3$ Schmidt-Cassegrain + CCD.
- D83 Miwa. Observer Y. Ohshima. 0.25-m $f/5$ reflector + CCD.
- D88 Hiratsuka. Observer Y. Sugiyama. 0.25-m $f/5.0$ reflector + CCD.
- F65 Haleakala-Faulkes Telescope North. Observer J. Bedient. 2.0-m Ritchey-Chretien + CCD.
- H41 Petit Jean Mountain. Observer P. C. Sherrod. 0.41-m $f/3.3$ 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.
- J76 La Murta. Observers S. Pastor, J. A. Reyes. 0.40-m $f/6.3$ Schmidt-Cassegrain + CCD.
- J78 Murcia. Observer J. Sánchez. 0.25-m $f/8.9$ Schmidt-Cassegrain + CCD.
- J79 Observatorio Calarreja, Aguilas. Observer F. Montalban. 0.25-m $f/10$ Schmidt-Cassegrain + CCD.
- J97 Alginet. Observer T. Climent G. 0.25-m $f/7$ Schmidt-Cassegrain + CCD.
- J98 Observatorio Manises. Observers S. Lahuerta, L. Lahuerta. 0.25-m $f/4.3$ Schmidt-Cassegrain + CCD.

OBSERVATIONS OF MINOR PLANETS

The summary lists, for each observatory code, the designation of each object observed (an asterisk signifying a new discovery), with three numbers indicating the number of observations, the number of different nights on which the object was observed and the arc (in days) covered by the observations; at the end of each observatory listing there is 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.

010 Caussols

E. W. Elst, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium [ericelst@ksb-orb.oma.be] (1)
 Observer C. Pollas
 Measurer E. W. Elst
 0.9-m Schmidt telescope
[5, 2, 0, 1992/10/23–1993/10/15]*

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 T. Pauwels, P. De Cat, E. Elst, H. Debehogne
 Measurers T. Pauwels, P. De Cat
 0.85-m $f/2.5$ Schmidt + CCD
 Tycho-2, GSC-1.2
{1} [178, 38, 2, 1999/11/15–2005/02/06]*
{2} [641, 93, 4, 2001/01/15–2005/02/09]*
{5} [644, 104, 5, 2004/12/14–2005/02/07]*

017 Hoher List

E. W. Elst, Koninklijke Sterrenwacht van België, Ringlaan 3, B-1180 Brussels, Belgium [Eric.Elst@oma.be]
 1-m Cassegrain + CCD
 GSC
[53, 26, 0, 2003/01/08–2004/10/24]*

033 Tautenburg

F. Börngen, Thüringer Landessternwarte, Sternwarte 5, D-07778 Tautenburg, Germany [boerngen.jena@freenet.de]
 1.3-m Schmidt telescope
 PPM
[4, 2, 0, 1994/01/15]*

046 Kleť

J. Tichá, Hvězdárna Kleť, Zátkovo nábřeží 4, CZ-37001 České Budějovice, Czech Republic [klet@klet.cz]
 Observers M. Tichý, Ž. Sovová, M. Kočer, J. Tichá
 0.57-m $f/5.2$ reflector + CCD
 USNO-A2.0
[219, 31, 0, 1996/10/15–2005/01/06]*

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
 Measurers G. Hahn, O. Karlsson, C.-I. Lagerkvist, S. Mottola, J. Warell
 1.0-m Schmidt + CCD
 USNO-SA2.0
[2342, 718, 9, 2000/02/14–2005/02/09]*

056 Skalnaté Pleso

L. Neslusan, Astronomical Institute, Slovak Academy of Sciences, SK-05960 Tatranská Lomnicá, Slovakia [ne@ta3.sk]
 Observers J. Svoreň, L. Kornoš, P. Rychtarčík, G. Červák
 0.3-m $f/5$ astrograph
 SAO

[69, 10, 0*, 2003/01/20–2003/12/19]

071 Rhozen

V. Ivanova, Institute of Astronomy, 72 Tsarigradsko Schosse Blvd., BG-11784 Sofia, Bulgaria [ivanova@astro.bas.bg]

Observers V. Krumov, A. Kostov, G. Apostolovska, B. Bilkina

Measurers V. Ivanova, B. Bilkina

0.50-m/0.70-m Schmidt

GSC-1.1

[87, 23, 0*, 2004/05/19–2005/01/14]

084 Pulkovo

A. V. Devyatkin, Pulkovo Observatory, Russian Academy of Sciences, Pulkovskoe shosse 65, St. Petersburg 196140, Russia [adev@gao.spb.su]

Observers A. V. Devyatkin, A. S. Bekhteva, D. L. Gorshanov, V. V. Kouprianov, E. Yu. Aleshkina, O. V. Krakosevich, K. V. Barshevich

Measurers A. V. Devyatkin, G. D. Baturina

0.32-m $f/3.2$ reflector + CCD

USNO-B1.0

[1410, 167, 0*, 1999/09/02–2005/01/15]

089 Nikolaev

A. V. Ivantsov, 1 Observatornaya vul., Nikolaev Astronomical Observatory, UA-54030 Mykolaiv, Ukraine [anatoly@mao.nikolaev.ua]

Observers L. A. Gudkova, A. V. Ivantsov

Measurers A. V. Ivantsov, Zh. A. Pozhalova

0.12-m $f/17.0$ refractor + CCD

UCAC-2

[177, 6, 0*, 2004/03/13–2004/09/14]

094 Simeïs

Yu. N. Krugly, Astronomical Observatory, Kharkiv State University, Sumska Street 35, Kharkiv 310022, Ukraine [krugly@astron.kharkov.ua]

Observers V. G. Shevchenko, N. M. Gaftonyuk

Measurers V. G. Shevchenko, Y. N. Krugly

1-m Ritchey-Chrétien + CCD

USNO-A2.0

[32, 1, 0*, 2004/07/27]

095 Crimea-Nauchnij

N. S. Chernykh, Crimean Astrophysical Observatory, Nauchnyj, Crimea 98409, Ukraine, [nik@crao.crimea.ua]

Observers V. Rumyantsev, V. Biryukov

2.6-m $f/4$ reflector + CCD

USNO-B1.0

[34, 2, 0*, 2005/02/04–2005/02/07]

097 Wise Observatory, Mitzpeh Ramon

E. Ofek, Wise Observatory, Tel-Aviv University, IL-69978 Tel-Aviv, Israel [Eran@wise.tau.ac.il]

Observers A. Berwald, D. Polishook, Y. Lipkin

Measurers I. Manulis, D. Polishook

0.45-m $f/2.8$ reflector + CCD

USNO-A2.0

[228, 56, 2*, 1999/08/11–2005/01/13]

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, A. Boattini, M. Tombelli, G. Fagioli, M. Mazzucato

Measurers G. Forti, L. Tesi, A. Boattini, M. Tombelli

0.60-m $f/4$ reflector + CCD

USNO-A2.0, USNO-SA2.0

[697, 139, 10*, 1997/11/20–2005/02/10]

106 Crni Vrh

H. Mikuž, Kersnikova 11, SI-61000 Ljubljana, Slovenia [herman.mikuz@uni-lj.si]

Observers J. Skvarč, H. Mikuž, S. Matičič, B. Dintinjana

0.60-m $f/3.3$ Deltagraph + CCD

UCAC-2, USNO-A2.0

[6949, 2123, 5*, 2003/08/26–2005/02/19]

108 Montelupo

M. Tombelli, Via Bozzeto 26, I-50056 Montelupo (Fi), Italy

[iau@arcetri.astro.it]

Observers M. Tombelli, L. Tesi

Measurers M. Tombelli, L. Tesi, S. Bartolini, G. Forti

0.30-m $f/5.7$ Schmidt-Cassegrain + CCD

USNO-A2.0

[48, 8, 0*, 2004/11/16–2004/11/20]

113 Volkssternwarte Drebach, Schoenbrunn

G. Lehmann, Persterstrasse 6h, D-09430 Drebach, Germany

[g.lehmann@abo.freiepresse.de]

Observers G. Lehmann, J. Kandler

0.5-m $f/5$ reflector + CCD, 0.18-m $f/9$ refractor + CCD

USNO-A2.0

[177, 42, 0*, 2004/10/17–2005/02/08]

118 Modra

A. Galád, AGO MFF UK, P.O. Box 4, SK-90001 Modra, Slovakia

[ago@fmph.uniba.sk]

Observers Š. Gajdoš, A. Galád, L. Kornoš, J. Világi

0.60-m $f/5.5$ reflector + CCD

USNO-A2.0, UCAC-2, USNO-SA2.0, USNO-B1.0

[698, 151, 5*, 2004/11/05–2005/02/09]

120 Višňjan

K. Korlević, Istarska 5, HR-51463 Višňjan, Croatia [korado@visnjan.hr]

0.41-m $f/4.3$ reflector + CCD

USNO-B1.0

[8, 3, 0*, 1998/09/23–1999/12/07]

127 Bornheim

N. Ehrling, Stationenweg 54, D-53332 Bornheim, Germany [norbert.ehrling@t-online.de]

0.30-m $f/3.2$ astrograph + CCD

USNO-A2.0

[246, 27, 0*, 2004/10/06–2005/02/08]

130 Lumezzane

S. Foglia, F. Bisleri 11, I-20418 Milan, Italy [s.foglia@libero.it]

Observers C. Cremaschini, S. Foglia, W. Marinello, M. Micheli, G. Pizzetti, S. Zani
Observatory, F. Diomede, G. Galli, A. Soffiantini

0.40-m $f/4.5$ reflector + CCD
UCAC-2, USNO-A2.0, USNO-B1.0

[270, 68, 0*, 2004/11/19–2005/02/06]

138 Village-Neuf

C. Demeautis, 9 rue de Huningue, F-68300 Saint-Louis, France

[Sky.walker@wanadoo.fr]

Observers C. Demeautis, D. Matter, M. Porte

0.25-m $f/4.45$ reflector + CCD, 0.16-m $f/3.4$ reflector + CCD

UCAC-2, USNO-A2.0

[334, 109, 0*, 2004/11/15–2005/01/16]

143 Gnosca

S. Sposetti, CH-6525 Gnosca, Switzerland [stefanosposetti@freesurf.ch]

Observer S. Sposetti

Measurers S. Sposetti, R. Behrend

0.40-m $f/4$ reflector + CCD

UCAC-2

[337, 76, 14*, 1999/09/09–2005/02/18]

147 Osservatorio Astronomico di Suno

G. Bianchi, Osservatorio G. Galilei, loc. Mottozufolone, I-28019 Suno, Italy

[apan@pn.itnet.it]

Observers D. Crespi, S. Foglia, S. Minuto, V. Sacco, C. Cremaschini, G. Redaelli,

G. Sold, S. Minu, G. Galli

0.40-m $f/4$ reflector + CCD

UCAC-2, USNO-A2.0

[66, 19, 1*, 2004/12/14–2005/02/02]

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, USNO-A2.0

[197, 46, 0*, 2004/10/24–2005/02/09]

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

0.35-m $f/3.5$ reflector + CCD

USNO-A2.0

[675, 170, 13*, 2002/03/15–2004/10/15]

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

[24, 4, 0*, 2004/12/09–2005/01/11]

159 Monte Agliale

M. M. Santangelo, Monte Agliale Astronomical Observatory, Borgo a Mozzano,

Lucca, Italy [ilra@comune.lucca.it]

Observers S. Donati, E. Mazzoni, F. Ciabattari, M. Rossi, G. Pennelli

0.51-m $f/4.5$ reflector + CCD

USNO-A1.0

[6, 2, 0*, 2004/11/21–2004/12/10]

160 Castelmartini

E. Prosperi, Via Bartolini 127, I-51030 Castelmartini (PT), Italy

0.35-m $f/10$ Schmidt-Cassegrain + CCD

UCAC-2, USNO-A2.0, USNO-B1.0

[550, 22, 0*, 2004/11/21–2005/02/10]

170 Observatorio de Begues

J. Manteca, c/Santpere, no. Casa 22, E-08859 Begues, Barcelona, Spain

[jmantecav@nexo.es]

Observers J. Manteca, J. Muñoz

0.36-m $f/10$ Schmidt-Cassegrain + CCD

UCAC-2

[391, 85, 8*, 2004/10/23–2005/02/20]

175 F.-X. Bagnoud Observatory, St-Luc

R. Behrend, F.-X. Bagnoud Observatory, CH-3961 St-Luc, Switzerland

[raoul.behrend@obs.unige.ch]

Observers Y. Revaz, M. Ravonel, T. Hoffmann, R. Behrend

0.60-m $f/3$ Newtonian reflector + CCD

UCAC-2

[9, 2, 0*, 2004/11/15–2004/11/16]

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, J. Forteza, S. Sanz, A. Chercoles

0.41-m $f/4$ reflector + CCD

USNO-A2.0, UCAC-2

[269, 60, 0*, 2004/11/06–2005/02/19]

185 Vicques

M. Ory, 30 Rue Beridier, CH-2800 Delemont, Switzerland [pivate@bluewin.ch]

Observers M. Ory, H. Lehmann

0.61-m $f/3.9$ reflector + CCD

UCAC-2, USNO-B1.0, USNO-A2.0

[2334, 643, 20*, 2004/10/30–2005/02/07]

198 Wildberg

R. Apitzsch, Schwarzwaldstrasse 17-2, D-72218 Wildberg, Germany

[rolfapitzsch@astro-wildberg.com]

0.35-m $f/4.2$ reflector + CCD

USNO-B1.0

[662, 106, 2*, 2004/10/23–2005/02/10]

201 Jonathan B. Postel Observatory

V. Pozzoli, V. le Morandi 21, I-20010 Bareggio, Italy [vpozzoli@inwind.it]

0.40-m $f/9$ Cassegrain + CCD

UCAC-2, USNO-A2.0

[3219, 1074, 9*, 2004/02/14–2005/02/18]

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

[298, 61, 0*, 2004/07/21–2005/02/09]

204 Schiaparelli Observatory

F. Bellini, via A. del Sarto 3, I-21100 Varese, Italy [astrogeo@astrogeo.va.it]

Observers L. Buzzi, G. Cardarelli
0.60-m Newtonian reflector + CCD
USNO-B1.0, UCAC-2

[28, 11, 0*, 2004/11/09–2005/01/08]

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

[82, 25, 0*, 2001/02/01–2002/03/14]

213 Observatorio Montcabre

R. Naves N., c/o J. Balmas, no. 24 Cabrils, E-08348 Barcelona, Spain
[rnaves@eresmas.com]

Observer R. Naves
Measurer M. Campas
0.30-m Schmidt-Cassegrain + CCD
UCAC-2, USNO-A2.0, USNO-B1.0

[63, 25, 0*, 2004/10/26–2005/02/19]

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

[12, 4, 0*, 2005/01/04–2005/01/10]

224 Ottmarsheim

C. Rinner, 5 rue du lievre, F-68490 Ottmarsheim, France [rinnerc@wanadoo.fr]

0.4-m $f/3.3$ reflector + CCD
UCAC-2, USNO-A2.0

[253, 74, 2*, 2004/11/14–2005/02/05]

225 Northwood Ridge Observatory

J. A. Blackwell, Northwood Ridge Observatory, 32 Temperance Hill Drive,
Northwood, NH 03261, U.S.A. [johnb@regulusastro.com]

0.11-m $f/5$ refractor + CCD, 0.21-m $f/3.9$ Newtonian reflector + CCD
GSC-ACT, USNO-A2.0

[11, 3, 0*, 2004/10/20–2004/11/30]

233 San Vito

S. Donati, Sauro Donati Astronomical Observatory, San Vito, Lucca, Italy
[saurdon@tin.it]

0.25-m Schmidt-Cassegrain + CCD
USNO-A1.0

[40, 11, 0*, 2004/11/20–2005/02/14]

234 Coddlenham Observatory

T. Boles, Coddlenham Observatory, Coddlenham, Suffolk IP6 9QY, England
[tomboles@surfanytime.co.uk]

0.35-m $f/11$ Schmidt-Cassegrain + CCD
USNO-A2.0

[8, 1, 0*, 2005/01/14–2005/01/16]

240 Herrenberg

H. Michels, Enstr. 10, D-71083 Herrenberg, Germany [Helmut@sternwarte-herrenberg.de]

0.40-m $f/5$ reflector + CCD
UCAC-2, USNO-B1.0

[837, 111, 1*, 2004/09/18–2005/02/07]

246 Kleř Observatory-KLENOT

J. Tichá, Hvězdárna Kleř, Zátково nábreží 4, CZ-37001 České Budějovice, Czech
Republic [klet@klet.cz]

Observers J. Tichá, M. Tichý, M. Kočer
1.06-m KLENOT Telescope + CCD
USNO-A2.0

[3991, 466, 12*, 2002/09/13–2005/02/07]

260 Siding Spring-DSS

A. Gnädig, c/o Archenhold-Sternwarte, Alt-Treptow 1, D-12435 Berlin, Germany
[gnadig@mind.de] (1)

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@libero.it] (9)

S. F. Hönig, Jahnstrasse 38, D-69221 Dossenheim, Germany [Sfhoenig@aol.com]
(14)

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)

J. Lacruz, Ramon Gomez de la Serna 83 7F, E-28035 Madrid, Spain
[juan.lacruz@yahoo.com] (21)

Measurers A. Gnädig, G. Forti, R. Haver, A. Pelloni, R. Matson, A. Lowe,
J. Lacruz, F. Anzellini, E. Colombini

1.2-m Schmidt
USNO-A2.0, UCAC-2

{14} [2, 1, 0*, 1983/10/26]

{15} [6, 3, 0*, 1976/06/29–1993/11/05]

{18} [2, 1, 0*, 1976/05/27]

{21} [4, 1, 0*, 1983/05/08–1983/05/11]

{1} [14, 7, 0*, 1980/06/23–1989/09/20]

{4} [2, 1, 0*, 1981/10/01]

{5} [4, 2, 0*, 1983/05/08–1991/10/05]

{9} [2, 1, 0*, 1976/05/29]

261 Palomar-DSS

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@libero.it] (9)

G. Forti, Osservatorio Astrofisico di Arcetri, Largo E. Fermi 5, I-50125 Florence, Italy
[forti@arcetri.astro.it] (18)

J. Lacruz, Ramon Gomez de la Serna 83 7F, E-28035 Madrid, Spain
[juan.lacruz@yahoo.com] (21)

Observers J. Mueller, J. D. Mendenhall, C. Brewer

Measurers V. S. Casulli, G. Forti, A. Lowe, J. Lacruz, F. Anzellini, E. Colombini
1.2-m Schmidt

USNO-A2.0, USNO-B1.0

{18} [2, 1, 0*, 1995/10/21]

{21} [4, 1, 0*, 1954/05/23]

{3} [4, 2, 0*, 1991/10/17–1993/11/09]

{4} [3, 2, 0*, 1954/01/28–1994/08/11]

{5} [2, 1, 0*, 1991/10/14]

{9} [2, 1, 0*, 1990/03/23]

290 Mt. Graham

M. Holman, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. [mholman@cfa.harvard.edu] (1)

W. Romanishin, Dept. of Physics and Astronomy, University of Oklahoma, Norman, OK 73019, U.S.A. [wjr@mail.nhn.ou.edu] (2)

W. Ryan, MRO Program Office, New Mexico Tech, Socorro, NM 87801, U.S.A.
[bryan@mailaps.org] (3)

Observers W. Ryan, S. Tegler, G. Consolmagno, W. Romanishin

1.8-m $f/9.0$ reflector + CCD

USNO-B1.0, USNO-A2.0

{1} [13, 2, 0*, 2003/07/09–2005/01/09]

{2} [18, 7, 0*, 2004/12/11–2004/12/14]

{3} [55, 10, 1*, 2005/01/07–2005/01/11]

291 LPL/Spacewatch II

R. S. McMillan, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [bob@lpl.arizona.edu]

Observers T. H. Bressi, R. S. McMillan, A. S. Descour, T. Gehrels, J. V. Scotti, M. Block, J. A. Larsen, A. F. Tubbiolo

1.8-m $f/2.7$ reflector + CCD

USNO-SA2.0

[10286, 3071, 155*, 2001/03/21–2005/01/20]

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]

Observers I. Robbins, K. Lane

Measurer I. Robbins

0.41-m $f/10$ Schmidt-Cassegrain + CCD

UCAC-2, USNO-B1.0, USNO-SA2.0, GSC

[25, 6, 0*, 2004/12/16–2005/02/03]

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, T. Fuse, N. Hashimoto, S. Isobe, D. Kuroda, K. Nishiyama, Y. Oshima, J. Terazono, H. Umehara, T. Urata, M. Yoshikawa
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

[1820, 377, 0*, 2004/10/12–2005/02/11]

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 S. D. Kern, R. Simcoe

Baade 6.5-m telescope + CCD

USNO-B1.0

[2, 1, 0*, 2004/05/28]

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

[272, 72, 0*, 1995/07/19–1998/12/19]

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

GSC-ACT

[3294, 794, 23*, 2001/10/14–2005/02/04]

344 Bohyunsan Optical Astronomy Observatory

M.-Y. Chun, Korea Astronomy Observatory, San 36-1, Wha-am Dong, Yu-sung Gu, Daejeon 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

[8, 4, 0*, 2001/01/05–2002/03/12]

349 Ageo

K. Kadota, 77-1-3-12-204, Koshikiya, Ageo, Saitama-ken, 362-0064 Japan [kenic-k@astroarts.co.jp]

0.25-m reflector + CCD

GSC-ACT

[3, 1, 0*, 2004/11/27]

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

[139, 24, 0*, 2004/10/14–2005/01/21]

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

USNO-B1.0

[3, 1, 0*, 1997/02/09]

376 Uenohara

N. Kawasato, 3-11-10, Hana-Koganei, Kodaira, Tokyo 187, Japan

0.30-m reflector + CCD

GSC

[4, 1, 0*, 1998/01/24–1998/01/26]

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

UCAC-2, GSC-ACT, USNO-B1.0

[1543, 55, 0*, 2004/10/22–2005/02/13]

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

[3, 1, 0*, 1994/08/14]

400 Kitami

K. Endate, 3-17, Hinode 1 Chome, Mihoro Cho, Abashiri-Gun, Hokkaido, 092 Japan

0.30-m $f/3.8$ reflector + CCD

UCAC-2

[22, 4, 2*, 2005/01/08–2005/01/15]

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)

C.-I. Lagerkvist, Uppsala Observatory, Box 515, S-75120 Uppsala, Sweden

[classe@astro.uu.se] (8)

Observer R. H. McNaught

Measurers R. H. McNaught, O. Hernius

1.0-m $f/8$ reflector + CCD, 1.2-m U.K. Schmidt

UCAC-2, USNO-B1.0

{1} [453, 115, 0*, 1985/06/15–2005/02/01]

{8} [7, 7, 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

UCAC-2, USNO-A2.0

[4, 3, 0*, 2004/10/30–2005/01/06]

417 Yanagida Astronomical Observatory

A. Tsuchikawa, Robu 1-1, Kanmachi, Fugeshi-gun, Ishikawa-ken, 928-03 Japan

0.60-m $f/8.0$ reflector + CCD

USNO-B1.0

[15, 1, 0*, 2004/11/07–2004/11/25]

422 Loomberah

G. J. Garradd, P.O. Box 157, Tamworth, NSW 2340, Australia

[loomberah@ozemail.com.au]

0.45-m $f/5.4$ reflector + CCD

UCAC-2

[3, 1, 0*, 2004/12/30]

423 North Ryde

S. G. McAndrew, 2/32 Twin Rd, North Ryde, NSW 2113, Australia

[stephenmca@optusnet.com.au]

0.20-m $f/4$ hyperbolic astrograph + CCD

UCAC-2

[156, 20, 0*, 2004/11/03–2005/02/14]

428 Reedy Creek

J. Broughton, 18 Branch Crescent, Reedy Creek, QLD 4228, Australia

[reedycrk@dingoblue.net.au]

0.51-m $f/3.6$ reflector + CCD

UCAC-2, GSC-ACT

[47, 15, 0*, 2002/06/18–2004/12/31]

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, USNO-B1.0

[73, 16, 0*, 2004/11/16–2005/02/09]

442 Gualba Observatory

A. Sanchez, Masia cortinas, 52 Bajos, E-08474 Gualba, Spain

[mpc442@laietana.net]

0.36-m $f/4$ Schmidt-Cassegrain + CCD

USNO-A2.0

[4, 1, 0*, 2005/01/06]

445 Observatori d'Ontinyent

M. Camarasa Y., Plaza Mestre Ferrero 19, E-46870 Ontinyent, Valencia, Spain

[paed@eresmas.com]

0.20-m $f/7.2$ Schmidt-Cassegrain
UCAC-2

[7, 2, 0*, 2004/11/02]

446 Kingsnake Observatory

J. V. McClusky, 8370 Alternate 90, Seguin, TX 78155, U.S.A.

[jmccclusky@tlu.edu]

0.45-m $f/4.5$ Newtonian + CCD
USNO-A2.0, UCAC-2

[6, 2, 0*, 2002/11/11–2002/11/23]

447 Centennial Observatory

J. Goldberg, 16311 E. Hialeah Dr., Centennial, CO 80015, U.S.A.

[jdgold@qwest.net]

0.36-m $f/11.0$ Schmidt-Cassegrain + CCD
GSC, USNO

[273, 104, 0*, 2005/01/02–2005/02/04]

448 Desert Moon Observatory

B. Stevens, 5675 Real del Norte, Las Cruces, NM 88012, U.S.A.

[bstevens@zianet.com]

Observer B. L. Stevens
0.3-m Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0

[792, 174, 5*, 2004/10/24–2005/02/20]

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

[15, 3, 0*, 2004/11/24–2005/01/31]

460 Area 52 Observatory, Nashville

R. Clingan, 305 Anglewood Dr., Nashville, AR 71852, U.S.A.

[bigeye@cswnet.com]

0.30-m Schmidt-Cassegrain + CCD
UCAC-2

[226, 44, 4*, 2003/12/21–2005/02/11]

461 Szeged University, Piskésető Stn. (Konkoly)

K. Sárneczky, P.O. Box 406, H-6701 Szeged, Hungary [sky@titan.physx.u-szeged.hu]

Observers K. Sárneczky, B. Sipőcz, L. Kiss, K. Sziládi, S. Mészáros, Z. Makai,
Z. Heiner, G. Szécsényi-Nagy, T. Szalai

0.60-m Schmidt + CCD, 1.02-m Ritchey-Chrétien + CCD
USNO-B1.0

[794, 192, 11*, 2000/02/02–2005/02/10]

462 Mount Belleview Observatory

C. Tupper, 2332 Belleview Avenue, Cheverly, MD 20785-3004, U.S.A.

[ctupper@erols.com]

0.25-m $f/3.9$ Schmidt-Cassegrain + CCD
GSC-ACT

[72, 21, 0*, 2004/12/02]

469 Courroux

H. Lehmann, Sports 6, CH-2822 Courroux, Switzerland [huble@vtx.ch]

0.20-m $f/4.37$ reflector + CCD, 0.2-m Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0

[168, 37, 0*, 2004/11/15–2005/02/10]

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]

Observer A. C. Gilmore

Measurers P. M. Kilmartin, A. C. Gilmore

1.0-m $f/7.7$ reflector + CCD, 0.6-m $f/6.4$ reflector + CCD
USNO-A2.0, UCAC-2

[211, 50, 0*, 2004/10/30–2005/02/07]

493 Calar Alto

K. Birkle, MPI für Astronomie, Königstuhl 17, D-69117 Heidelberg, Germany

[birkle@mpia-hd.mpg.de]

3.5-m $f/2.7$ reflector + CCD

USNO-A2.0

[2, 1, 0*, 2001/08/15]

504 Le Creusot

J.-C. Merlin, 18 rue P. Mendès-France, F-71200 Le Creusot, France

[merlin@obspm.fr]

0.40-m $f/5$ reflector + CCD

USNO-A2.0

[41, 15, 0*, 2004/11/13–2004/12/14]

511 Haute Provence

J. E. Arlot, IMCCE, Observatoire de Paris, 61 Avenue de l'Observatoire, F-75014
Paris, France [arlot@bd1.fr]

Observers J. Strajnic, F. Aureille, G. Garaix, B. Despringre, A. Reynaud,
Y. Damerdjii, A. Klotz, R. Behrend

0.80-m $f/15$ reflector + CCD

UCAC-2, USNO-A2.0

[53, 4, 0*, 2004/11/11–2004/12/31]

536 Berlin-Babelsberg

B. Thinius, Moosglöckchenweg 8, D-14478 Potsdam, Germany

[bernd@thinius.net]

0.70-m $f/10.5$ Cassegrain + CCD

USNO-SA2.0

[9, 2, 0*, 2005/02/07]

540 Linz

E. Meyer, Ferd.-Marklstrasse 1/62, A-4040 Linz, Austria [er.meyer@ooenet.at]

0.6-m $f/3.3$ reflector + CCD

USNO-A2.0, UCAC-2

[15, 7, 0*, 2004/11/30–2005/02/09]

557 Ondřejov

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Czech Republic [ppravec@asu.cas.cz]

Observer P. Kušnirák

0.65-m $f/3.6$ reflector + CCD

UCAC-2, USNO-SA2.0

[457, 42, 0*, 1997/09/28–2005/02/15]

560 Madonna di Dossobuono

L. Lai, Via Mantovana 130e, I-37062 Dossobuono (Verona), Italy

[lastrofil@astbo1.bo.cnr.it]

0.4-m $f/5$ reflector + CCD

USNO-A2.0

[70, 17, 0*, 2004/12/07–2005/02/15]

561 Piskésető

J. Kelemen, Konkoly Observatory, P.O. Box 67, H-1525 Budapest, Hungary

[kelemen@gyalla.konkoly.hu]

0.60-m Schmidt + CCD

USNO-A2.0

[174, 51, 1*, 1998/11/24–2005/02/01]

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

0.25-m $f/3.5$ reflector + CCD

USNO-SA2.0, USNO-A2.0

[45, 14, 0*, 2004/11/08–2005/02/09]

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, K. J. Lawrence, D. L. Rabinowitz, R. Bamberg, M. Hicks,

P. Kervin, S. H. Pravdo, S. Groom, C. Clark, S. Levin, J. Lorre, S. Shaklan,

R. Byrd, A. Esquibel, C. Cotton, D. Bascon

Measurers A. J. Walker, K. Sárneczky, J. J. Gómez, F. Hormuth, R. Matson,

A. Lowe, J. Bedient, J. Lacruz, S. F. Hönig

1.0-m reflector + CCD

UCAC-2, USNO-B1.0, USNO-A2.0

[503, 147, 0*, 1996/03/15–1999/02/19]

568 Mauna Kea

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)

K. J. Meech, Institute for Astronomy, 2680 Woodlawn Drive, Honolulu, HI 96822,

U.S.A. [meech@nihoa.ifa.hawaii.edu] (7)

D. D. Balam, Dept. of Physics, University of Victoria, P.O. Box 3055, Victoria, BC

V8W 3P6, Canada [balam@beluga.phys.uvic.ca] (9)

J. Pittichová, Institute for Astronomy, 2680 Woodlawn Drive, Honolulu, HI 96822,

U.S.A. [jana@buracik.ifa.hawaii.edu] (11)

L. Allen, University of British Columbia, Dept of Physics and Astronomy,

6224 Agricultural Road, Vancouver, BC V6T 1Z1, Canada

[llallen@physics.ubc.ca] (17)

Observers K. J. Meech, H. Hsieh, J. Pittichová, D. J. Tholen, F. Bernardi,

M. Tombelli, T. Burdullis

Measurers D. D. Balam, K. J. Meech, D. J. Tholen, F. Bernardi, M. Tombelli,

J. Pittichová

2.32-m reflector + CCD, 8.2-m reflector + CCD

USNO-A2.0, USNO-B1.0

{11} [11, 4, 0*, 2003/05/28–2004/08/16]

{17} [15, 4, 0*, 2004/01/22–2004/01/30]

{2} [141, 22, 9*, 1997/05/30–2005/01/08]

{3} [4, 2, 0*, 1999/03/09]

{7} [97, 44, 0*, 2002/11/05–2004/11/21]

{9} [6, 2, 0*, 1999/09/07–1999/10/09]

586 Pic du Midi

C. Cavadore, Mitterweg Str. 2, Garching bei München, D-85748 Germany

[ccavador@eso.org]

Observer F. Colas

Measurers C. Rinner, R. Behrend

1.05-m $f/5$ reflector + CCD

USNO-A2.0, USNO-B1.0

[11, 2, 0*, 2005/01/03–2005/02/10]

587 Sormano

P. Sicoli, Via Valli 9, I-23846 Garbagnate Monastero (Lecco), Italy

[sormano@tin.it]

Observers F. Manca, A. Testa, M. Cavagna, E. Colzani, G. Ventre

0.5-m $f/6$ reflector + CCD, 0.15-m $f/9$ refractor + CCD

USNO-A2.0, UCAC-2

[307, 83, 0*, 1995/10/27–2005/02/09]

589 Santa Lucia Stroncone

A. Vagnozzi, Via Santa Lucia 68, I-05039 Stroncone (Terni), Italy

[vagnozzi@freenet.hut.fi]

Observers A. Vagnozzi, F. Guerri, S. Bacci, M. Cristofanelli, M. Paiella, C. Luzzi

0.50-m $f/7.5$ Ritchey-Chrétien + CCD

USNO-SA2.0

[27, 7, 0*, 1996/11/12–2005/02/04]

595 Farra d'Isonzo

L. Bittesini, Via dei Conventi 10, I-34070 Farra d'Isonzo (GO), Italy

[ccaf@ccaf.it]

Observers M. Spolaor, E. Pettarin, F. Piani, G. Lombardi, F. Fabris

0.40-m $f/4.5$ reflector + CCD

USNO-A2.0

[11, 3, 0*, 2005/02/01–2005/02/08]

599 Campo Imperatore-CINEOS

A. Carusi, Istituto di Astrofisica Spaziale, Via Fosso del Cavaliere, I-00133 Rome,

Italy [cineos@ias.rm.cnr.it]

Observers A. Giunta, V. Casula, A. Boattini, A. Di Paola, R. Leoni, D. Perna,

N. Napoleone, M. Tombelli, F. De Luise

Measurers V. Casula, A. Giunta, A. Boattini, A. Di Paola, E. Dotto, N. Napoleone,

D. Perna, L. Fratto, S. Turriziani, N. Fratini, M. Tombelli, R. Leoni, F. De

Luise

0.60-m $f/3.1$ Schmidt + CCD

USNO-A2.0, USNO-B1.0

[18946, 4289, 301*, 1996/07/23–2005/02/11]

608 Haleakala-NEAT/MSSS

R. Bamberg, Jet Propulsion Laboratory, MS 168-527, Pasadena, CA 91109, U.S.A.

[Raymond.J.Bamberg@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 E. F. Helin, S. H. Pravdo, K. J. Lawrence, P. Kervin, R. Maeda, J. Africano, M. Hicks, D. Talent, P. Tanner, K. Kuluhiwa, R. Bambery, M. Skinner, R. Maed

Measurers J. Lacruz, J. J. Gómez, A. J. Walker, K. Sárneczky, R. Matson, A. Lowe, F. Hormuth, M. Ory, M. Meyer, J. Bedient, R. Stoss, S. F. Hönig

1.2-m reflector + CCD
USNO-B1.0, USNO-A2.0, UCAC-2

[32589, 7537, 15*, 1995/12/29–2005/01/17]

619 Sabadell

F. Casarramona, P.O. Box 50, E-8200 Sabadell (BCN), Spain
[astrosab@redestb.es]

Observers R. Josa, R. Casas, S. Guillen, F. Llamas, C. Perello, C. Torrecilla, M. Bella, I. Carbonell, X. Lazaro

0.50-m $f/4$ reflector + CCD
UCAC-2, USNO-B1.0

[9, 3, 0*, 2005/01/11–2005/02/14]

620 Observatorio Astronómico de Mallorca

S. Sanchez, Observatori Astronómic de Mallorca, Camí de l'observatori s/n, E-07144 Costitx, Balears, Spain [astroam@bitel.es]

Observers S. Sanchez, R. Stoss, J. Nomen

0.30-m $f/9$ Schmidt-Cassegrain + CCD
USNO-B1.0

[3, 1, 0*, 2004/12/24]

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

[1284, 292, 34*, 2000/02/11–2005/02/08]

627 Blauvac

R. Roy, Le Badassier St Esteve, F-84570 Blauvac, France [Rene.Roy@wanadoo.fr]

0.31-m Newtonian reflector + CCD
USNO-A2.0

[41, 8, 0*, 2004/11/16–2005/02/10]

628 Mülheim-Ruhr

A. Martin, Turtle Star Observatory, Friedhostr. 15, D-45478 Mülheim-Ruhr, Germany [axelm@bph.ruhr-uni-bochum.de]

Observers A. Boeker, A. Martin, K. Kleemann-Boeker, M. Tator

0.20-m $f/5.9$ Schmidt-Cassegrain + CCD
USNO-B1.0

[19, 7, 0*, 2004/11/21–2004/12/12]

631 Hamburg-Georgswerder

M. Buck, Niedergeorgswerder Deich 96a, D-21109 Hamburg, Germany
[michael.buck@joice.net]

0.15-m $f/8$ refractor + CCD
USNO-B1.0

[40, 8, 0*, 2004/12/19–2005/02/07]

639 Dresden

S. Gebhard, Duckwitzstrasse 27d, D-01129 Dresden, Germany [Gebhard@t-online.de]

0.35-m $f/7.3$ reflector + CCD
USNO-A2.0

[35, 4, 0*, 2005/01/15–2005/02/06]

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 E. F. Helin, S. H. Pravdo, K. J. Lawrence, M. Hicks, R. Thicksten, E. Hovland, T. Bickler, J. Schroeder, L. Scherr, A. Deetz, R. Bambery, K. Kuluhiwa

Measurers J. J. Gómez, M. Langbroek, A. J. Walker, K. Sárneczky, R. Matson, A. Lowe, M. Meyer, F. Hormuth, J. Sachs, M. Ory, J. Bedient, R. Stoss, J. Koeberlein, S. F. Hönig

1.2-m $f/2.5$ Oschin Schmidt + CCD
USNO-A2.0, USNO-B1.0, UCAC-2

[68277, 17201, 641*, 2001/04/17–2005/02/06]

645 Apache Point–Sloan Digital Sky Survey

Z. Ivezić, 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. Ivezić, M. Jurić, R. Lupton, S. Tabachnik, T. Quinn

2.5-m SDSS Telescope + SDSS camera
UCAC-1

[11206, 3319, 1686*, 1998/09/19–2003/03/06]

649 Powell Observatory, Louisburg

L. Robinson, 14680 W 144 St., Olathe, KS 66062, U.S.A.
[lrobinson@ix.netcom.com]

Observers R. Fredrick, L. Fredrick, R. Trentman, A. Robertson
0.75-m Newtonian reflector + CCD, 0.30-m Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0

[626, 125, 1*, 2002/01/21–2005/02/18]

651 Grasslands Observatory, Tucson

J. E. McGaha, 5100 Sabino Foothills, Tucson, AZ 85750, U.S.A.
[mcgaha@skepticus.com]

0.62-m $f/5.1$ Newtonian reflector + CCD
USNO-A2.0

[67, 19, 0*, 2004/12/12–2005/02/01]

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] (1)

Observer R. Robb

Measurer D. D. Balam

1.82-m Plaskett telescope + CCD
USNO-A2.0

[6, 2, 0*, 2005/02/19]

662 Lick Observatory, Mount Hamilton

M. W. Buie, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [buie@lowell.edu]

Observer F. Marchis
 Measurer V. Reddy
 3.0-m $f/5.6$ reflector + CCD
 UCAC-2, USNO-A2.0
[21, 4, 0, 2005/01/13–2005/01/14]*

670 Camarillo

J. E. Rogers, 441 Rowland Avenue, Camarillo, CA 93010, U.S.A.
 [Director@CamarilloObservatory.com]
 0.30-m $f/6.7$ Helin Telescope + CCD
 UCAC-2, USNO-A2.0
[260, 79, 0, 2004/09/23–2005/01/15]*

671 Stony Ridge

S. C. Brewster, 1659 N. Lake Ave., #4, Pasadena, CA 91104, U.S.A.
 [palostar@earthlink.net]
 0.76-m $f/6$ Newtonian reflector + CCD
 USNO-A2.0
[58, 10, 0, 2004/11/18–2004/12/19]*

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 Drive, Pasadena, CA 91109,
 U.S.A. [w7ftt@netscape.net] (5)
 Observers J. D. Costello, J. Young, D. Mayes, W. M. Owen Jr
 0.61-m $f/16$ reflector + CCD
 UCAC-2, USNO-A2.0
{1} [543, 112, 0, 2004/10/23–2004/12/19]*
{5} [760, 129, 27, 2004/10/30–2005/02/17]*

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)
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 [efh@alps.jpl.nasa.gov] (2)
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 [cshoemaker@flagmail.wr.usgs.gov] (3)
 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)
 C. A. Trujillo, Department of Astronomy, California Institute of Technology, MS
 150-21, Pasadena, CA 91125, U.S.A. [chad@gps.caltech.edu] (7)
 J. Kavelaars, Dept. of Physics and Astronomy, McMaster University, Hamilton,
 ON L8S 4M1, Canada [kavelaars@physics.mcmaster.ca] (8)
 9 = 6 + 3
 S. J. Bus, Institute of Astronomy, University of Hawaii, 640 N. A'ohoku Place
 #209, Hilo, HI 96720, U.S.A. [sjb@ifa.hawaii.edu] (13)
 Observers M. Hicks, E. F. Helin, K. Lawrence, E. M. Shoemaker, C. S. Shoemaker,
 D. H. Levy, T. Gehrels, P. Weissman. C. A. Trujillo
 Measurers M. Williams, K. Lawrence, C. S. Shoemaker, B. A. Skiff, M. Hicks,
 C. J. van Houten, I. van Houten-Groeneveld, A. Wisse, J. Kavelaars,
 C. A. Trujillo

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} [3, 1, 0, 1996/06/16]*

{4} [47, 19, 0, 1971/03/24–1977/10/17]*

{6} [2, 2, 0, 1984/01/26]*

{8} [4, 1, 1, 1999/06/08–1999/06/09]*

{9} [11, 10, 0, 1986/03/04–1991/02/08]*

678 Fountain Hills

C. W. Juels, P.O. Box 19960, Fountain Hills, AZ 85269, U.S.A. [cwjuels@cox.net]
 Observers C. W. Juels, P. R. Holvorcem
 0.50-m $f/4.8$ Newtonian reflector + CCD
 USNO-A2.0, GSC-ACT
[1284, 446, 0, 2003/11/26–2004/12/13]*

682 Kanab

E. Sheridan, 7205 Sunflower Lane, Kanab, UT 84741, U.S.A.
 [mened@expressweb.com]
 0.35-m $f/5.5$ Schmidt-Cassegrain + CCD
 USNO-A2.0
[8, 3, 0, 2000/05/02–2001/04/23]*

683 Goodricke-Pigott Observatory, Tucson

R. A. Tucker, 5500 West Nebraska Street, Tucson, AZ 85746, U.S.A.
 [gpobs@mindspring.com]
 Observer R. Tucker
 0.35-m $f/5$ reflector + CCD, 0.35-m $f/11$ Schmidt-Cassegrain + CCD
 GSC-ACT, USNO-A2.0, UCAC-2
[14881, 1989, 32, 2003/04/30–2005/02/14]*

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, 2001/02/13]*

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)
 L. Marshall, Gettysburg College, 300 N. Washington St., Gettysburg, PA 17325,
 U.S.A. [marschal@gettysburg.edu] (2)
 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)
 Observers A. S. Bosh, B. A. Skiff, L. H. Wasserman
 0.75-m $f/16$ reflector + CCD
 USNO-B1.0
{1} [41, 15, 0, 1997/07/08–1998/05/22]*
{2} [2, 1, 0, 1998/10/14]*

{4} [8, 4, 0*, 1997/08/01–1997/10/26]

{5} [124, 47, 0*, 2000/03/03–2005/02/09]

689 U.S. Naval Observatory, Flagstaff

R. C. Stone, U.S. Naval Observatory Flagstaff Station, P.O. Box 1149, Flagstaff, AZ 86002-1149 [rcs@nfs.navy.mil] (2)

1.6-m reflector + CCD

Tycho-2

[4397, 721, 0*, 2004/04/01–2004/06/30]

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 M. T. Read, A. S. Descour, T. H. Bressi, J. V. Scotti, J. J. Gomez, A. F. Tubbiolo, J. A. Larsen, M. T. Read, R. S. McMillan, S. B. Pope, J. A. Larsen, A. E. Gleason, M. Block, S. Foglia

Measurers A. M. Tuzzolino, J. V. Scotti, R. S. McMillan, A. S. Descour, J. A. Larsen

0.9-m $f/3$ reflector + CCD

USNO-A2.0

[168604, 34637, 7153*, 1990/06/20–2005/02/14]

693 Catalina Station, Tucson

C. W. Hergenrother, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [chergen@pir1.lpl.arizona.edu]

Observer C. W. Hergenrother

Measurers C. W. Hergenrother, K. Smalley

1.54-m reflector + CCD

USNO-B1.0

[4, 1, 0*, 2004/11/19]

695 Kitt Peak

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

D. Wittman, Bell Laboratories, 600 Mountain Ave., Murray Hill, NJ 07974, U.S.A. [wittman@physics.bell-labs.com] (3)

M. Hicks, Jet Propulsion Laboratory, MS 183-501, 4800 Oak Grove Drive, Pasadena, CA 91109, U.S.A. [hicksm@scn1.jpl.nasa.gov] (4)

C. W. Hergenrother, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [chergen@pir1.lpl.arizona.edu] (5)

L. H. Wasserman, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [lhw@lowell.edu] (23)

Observers L. H. Wasserman, J. R. Lovering, M. W. Buie, D. E. Trilling, J. F. Kane, D. J. Tholen, R. A. Tucker, F. Bernardi

Measurers M. W. Buie, R. L. Millis, L. H. Wasserman, D. E. Trilling, J. F. Kane, D. J. Tholen, R. A. Tucker, F. Bernardi

4-m reflector + CCD, 2.29-m reflector

USNO-B1.0

{23} [1592, 702, 104*, 2004/10/10–2004/10/12]

{1} [2005, 897, 73*, 1999/11/10–2004/11/11]

{3} [27, 5, 0*, 2000/11/25–2003/03/08]

{4} [10, 1, 0*, 1997/09/22]

{5} [2, 1, 0*, 1996/01/21]

696 Whipple Observatory, Mt. Hopkins

C. W. Hergenrother, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [chergen@pir1.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 C. W. Hergenrother, K. Smalley

Measurers T. B. Spahr, K. Smalley

1.2-m reflector + CCD

USNO-B1.0

{1} [13, 5, 0*, 1998/03/08–1998/06/19]

{7} [214, 89, 0*, 2002/02/14–2005/01/20]

699 Lowell Observatory-LONEOS

E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff AZ 86001, U.S.A. [elgb@lowell.edu]

Observers M. E. Van Ness, B. A. Skiff, M. E. Vanness, B. W. Koehn, E. D. P. Harper-Clark

Measurers M. E. Van Ness, B. W. Koehn, B. A. Skiff, M. Granvik, R. Cash, E. D. P. Harper-Clark

0.59-m LONEOS Schmidt + CCD

USNO-B1.0, GSC-ACT

[251420, 37023, 551*, 1998/04/21–2005/02/09]

701 Junk Bond Observatory, Sierra Vista

D. Healy, Junk Bond Observatory, 6929 Madera Drive, Sierra Vista, AZ 85635, U.S.A. [76443.1440@compuserve.com]

0.81-m $f/4.8$ Ritchey-Chrétien + CCD

UCAC-2

[1394, 282, 30*, 2001/02/21–2005/02/14]

703 Catalina Sky Survey

S. M. Larson, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [slarson@lpl.arizona.edu]

Observers E. J. Christensen, R. E. Hill, S. M. Larson

Measurers E. C. Beshore, C. M. Casey, E. J. Christensen, G. J. Garradd, R. E. Hill, S. M. Larson, R. H. McNaught

0.68-m Schmidt + CCD

USNO-SA2.0, UCAC-2

[298721, 42521, 1872*, 1998/09/18–2005/02/15]

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. Blythe, F. Shelly, M. Bezpalko, R. Huber, L. Manguso, D. Torres, R. Kracke, M. McCleary, H. Stange, A. Milner, R. Krack

Measurers J. Stuart, R. Sayer, J. Evans, J. Kommers

1.0-m $f/2.15$ reflector + CCD

USNO-A2.0

[860143, 59625, 3719*, 1997/03/05–2005/02/14]

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)

Observer J. C. Barentine
 Measurer G. A. Esquerdo
 0.5-m $f/8.5$ reflector + CCD
 USNO-SA2.0

[15, 5, 1*, 2004/09/08–2004/10/04]

709 W & B Observatory, Cloudcroft

W. Offutt, P.O. Drawer 1130, Cloudcroft, NM 88317, U.S.A.
 [offutt@galileo.apo.nmsu.edu]

0.60-m $f/7$ Ritchey-Chrétien + CCD
 USNO-SA1.0

[13, 2, 0*, 2004/11/04–2005/02/14]

711 McDonald Observatory

P. J. Shelus, McDonald Observatory, University of Texas, Austin, TX 78712,
 U.S.A. [pjs@astro.as.utexas.edu]

Observer J. G. Ries
 0.76-m reflector + CCD
 USNO-A2.0

[139, 44, 0*, 1999/12/01–2005/02/09]

712 USAF Academy Observatory, Colorado Springs

M. Burns, Department of Physics, USAF Academy, CO 80840, U.S.A.
 [michael.burns@usafa.af.mil]

0.41-m $f/8$ Cassegrain + CCD
 USNO-SA2.0

[40, 2, 0*, 2004/10/19–2004/11/03]

715 Journada Observatory

D. S. Dixon, 5975 Moonrise Vista, Las Cruces, NM 88012, U.S.A.
 [ddixon@lascruces.com]

0.31-m $f/5.3$ Schmidt-Cassegrain + CCD, 0.41-m Schmidt-Cassegrain + CCD
 UCAC-2, USNO-B1.0

[418, 109, 2*, 2004/10/10–2005/02/03]

718 University of Utah, Tooele

P. Wiggins, University of Utah Hansen Planetarium, 15 South State Street, Salt
 Lake City, UT 84111-1590, U.S.A. [p.wiggins@m.cc.utah.edu]

0.35-m Schmidt-Cassegrain + CCD
 UCAC-2

[2, 1, 0*, 1999/07/24]

726 Brainerd

J. E. Wentworth, 6469 Madson Ave. N.W., Brainerd, MN 56401, U.S.A.
 [jimw@brainerd.net]

Observer J. Wentworth
 0.28-m Schmidt-Cassegrain + CCD
 UCAC-2, GSC

[174, 7, 0*, 2004/12/26–2005/02/19]

734 Farpont Observatory

G. Hug, RTE 1 Box 35c, Eskridge, KS 66423, U.S.A. [frogstar@intergate.com]

Observers D. Tibbets, G. Hug, G. Bell, D. Brunken, W. Leifer, K. Dobbs,
 J. Burgardt

Measurers G. Hug, D. Tibbets, J. Burgardt, T. Tibbets, W. Leifer, K. Dobbs

0.4-m Schmidt-Cassegrain + CCD, 0.36-m Schmidt-Cassegrain + CCD
 UCAC-2, USNO-B1.0, USNO-A2.0, USNO-SA2.0

[890, 159, 3*, 2001/01/25–2005/02/14]

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, P. Garossino, W. G. Dillon, D. Wells, M. Eastman,
 M. A. Thoman, P. G. A. Garossino

Measurers J. Dellinger, D. Wells, A. Lowe, P. G. A. Garossino, W. G. Dillon
 0.46-m $f/4.5$ Newtonian reflector + CCD, 0.91-m $f/7.6$ Ritchey-Chrétien + CCD
 USNO-A2.0, UCAC-2, USNO-B1.0

[944, 153, 26*, 2002/03/22–2005/02/15]

785 Fitz-Randolph Observatory, Princeton

A. J. Willman, 87 Prospect Avenue, Princeton NJ 08544, U.S.A.
 [observatory@Princeton.edu]

Observer J. Maffei
 0.91-m $f/13.6$ Cassegrain + CCD
 USNO-A2.0

[8, 3, 0*, 2004/12/02]

807 Cerro Tololo

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 AZ 86001, U.S.A. [lhw@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)

Observers D. Wittman, L. H. Wasserman, R. L. Millis
 Measurers M. W. Buie, L. H. Wasserman, D. Wittman
 1.0-m $f/10$ reflector + CCD, 0.9-m reflector + CCD

{1} [667, 324, 0*, 2000/07/29–2004/08/15]

{3} [49, 13, 0*, 2001/02/23–2004/01/18]

808 El Leoncito

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 Marquesado-San Juan, Argentina [lopez2283@infovia.com.ar]

Observer H. S. Lépez
 0.5-m $f/7.5$ double astrograph + CCD
 USNO-B1.0

[10, 2, 0*, 1996/05/11–2005/02/02]

809 European Southern Observatory, La Silla

P. Rousselot, Observatoire de Besançon, B.P. 1615, F-25010 Besançon Cedex,
 France [phil@obs-besancon.fr] (0)

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)

G. Masi, Via Madonna de Loco 47, I-03023 Ceccano (FR), Italy
 [gianluca@bellatrixobservatory.org] (7)

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)
 Observers F. Barblan, R. Behrend, F. Farblan, A. Boattini, H. Boehnhardt,
 C. Vuissoz, G. Bourban, F. Selman, B. Pernier
 Measurers R. Behrend, A. Boattini, H. Scholl, H. Boehnhardt, G. Forti
 1.20-m reflector + CCD, 2.2-m $f/5.9$ reflector + CCD, 3.58-m New Technology
 Telescope + CCD
 Tycho-2, UCAC-2, USNO-B1.0
 {20} [76, 15, 4*, 2004/10/31–2005/02/16]

{0} [1, 1, 0*, 2004/11/03]

{1} [2, 1, 0*, 1992/03/06–1992/04/06]

{4} [345, 92, 0*, 1992/09/03–1998/09/23]

{7} [2, 1, 0*, 2003/02/17]

{8} [198, 98, 0*, 1992/02/29–1998/03/02]

{9} [1420, 325, 49*, 2002/06/03–2005/02/18]

816 Rand Observatory

G. R. Viscome, 30 Hyland Avenue, Lake Placid, NY 12946, U.S.A.
 [GeorVisc@localnet.com]
 0.37-m $f/6$ reflector + CCD
 USNO-SA1.0
 [3, 1, 0*, 1997/11/08]

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
 [8, 2, 0*, 1996/05/11–1998/09/30]

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
 [5, 2, 0*, 2002/11/29–2003/10/23]

844 Los Molinos

G. Tancredi, Departamento Astronomia, Facultad Ciencias, Igua 4225, UY-11400
 Montevideo, Uruguay [gonzalo@fisica.edu.uy]
 Observers R. Salvo, S. Roland, F. Benitez
 0.46-m $f/2.8$ reflector + CCD
 USNO-A2.0, USNO-SA2.0
 [120, 19, 0*, 2004/10/24–2005/02/18]

845 Ford Observatory, Ithaca

D. Briotta, Ithaca College, Physics Dept, Ithaca, NY 14850-7000, U.S.A.
 [briotta@ithaca.edu]
 0.40-m $f/8.0$ Cassegrain + CCD
 USNO-A2.0
 [33, 8, 0*, 2001/06/25–2001/06/27]

850 Cordell-Lorenz Observatory, Sewanee

D. T. Durig, SPO 1242, Sewanee, TN 37383, U.S.A. [ddurig@sewanee.edu]
 Observers D. T. Durig, V. L. Nixon, C. A. Joseph, J. D. Conner, N. L. Adams,
 K. M. Lester, W. C. Walker, R. A. Riehl, T. J. Prechter, J. A. Craig,
 A. L. McMillan, M. A. Mathison, E. B. Whitehurst, C. E. Prechter,
 M. B. Lechitski, L. A. Phillips, L. M. Parham, T. L. Jackson, E. M. Brown,
 K. A. George, S. C. Hilley, T. S. Bodine, H. R. Wharton, E. W. Finch,
 D. T. Horton-Jones
 Measurers D. T. Durig, V. L. Nixon, C. A. Joseph, J. D. Conner, N. L. Adams,
 K. M. Lester, W. C. Walker, R. A. Riehl, T. J. Prechter, J. A. Craig,
 A. L. McMillan, M. A. Mathison, E. B. Whitehurst, C. E. Prechter,
 M. B. Lechitski, L. A. Phillips, L. M. Parham, T. L. Jackson, E. M. Brown,
 K. A. George, S. C. Hilley, T. S. Bodine, H. R. Wharton, M. L. Greenwood,
 E. W. Finch, D. T. Horton-Jones, T. S. Bodine
 0.30-m $f/5.86$ Schmidt-Cassegrain + CCD, 0.35-m $f/1.9$ Schmidt + CCD
 UCAC-2, USNO-B1.0
 [598, 141, 11*, 2004/10/25–2005/02/17]

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
 [218, 73, 0*, 2004/10/24–2005/02/14]

859 Wykrota Observatory-CEAMIG

C. Jacques, P.O. Box 1084, Belo Horizonte, BR-30000 Minas Gerais, Brazil
 [cjacques1f@yahoo.com.br]
 0.30-m $f/3.0$ Schmidt-Cassegrain + CCD
 USNO-SA2.0, GSC-ACT, USNO-A2.0, USNO-B1.0
 [5, 2, 0*, 2002/10/06–2003/09/06]

900 Moriyama

Y. Ikari, 13-9 Katube 2 Chome, Moriyama, Shiga-Ken, 524-0041 Japan
 [ikari@gold.ocn.ne.jp]
 0.25-m $f/6.3$ Schmidt-Cassegrain + CCD
 UCAC-2, USNO-B1.0
 [4, 1, 0*, 2005/01/10]

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
 [303, 99, 0*, 1996/10/17–1999/03/21]

918 Badlands Observatory, Quinn

R. Dyvig, P.O. Box 37, Quinn, SD 57775, U.S.A. [rondyv@gwtc.net]
 Observers R. Dyvig, V. Reddy, K. Jones
 0.66-m $f/4.8$ reflector + CCD
 USNO-B1.0, UCAC-2

[106, 12, 0*, 2001/12/09–2004/12/18]

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

[2, 1, 0*, 2001/01/04]

924 Observatoire du Cégep de Trois-Rivières

E. J. Allen, Dept Physique, Cégep de Trois-Rivières, 3500 rue De Courval, C.P. 97,
Trois-Rivières, Québec G9A 5E6, Canada [eric.allen@cegeptr.qc.ca]

0.41-m $f/4.4$ reflector + CCD
USNO-A2.0

[28, 1, 0*, 2004/10/20–2004/11/07]

926 Tenagra II Observatory

M. Schwartz, Tenagra Observatories, HC 2 Box 292, Nogales, AZ 85621, U.S.A.
[mbs@tenagraobservatories.com]

Observers M. Ory, M. Schwartz, J.-C. Merlin
Measurers M. Ory, J.-C. Merlin, R. Linderholm
0.81-m $f/7$ Ritchey-Chrétien + CCD
UCAC-2, USNO-A2.0

[770, 151, 8*, 2002/01/22–2005/02/14]

927 Madison-YRS

G. Sellek, 1 Provo Court, Madison, WI 53719, U.S.A. [orion98@tds.net]
Observers G. Sellek, M. Mills, M. D. Mills

0.30-m $f/5$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-A2.0

[56, 18, 0*, 2004/11/05–2005/02/12]

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, D. Cartolano, S. Riley, W. Cloutier, L. McCusker
0.4-m Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0

[143, 17, 0*, 2004/11/06–2005/02/20]

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 $f/6.7$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-A2.0

[224, 31, 0*, 2004/10/22–2005/01/07]

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

[23, 8, 0*, 2004/10/31–2005/02/11]

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

[4, 1, 0*, 2004/12/28]

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, C. Segarra, M. Anton
0.36-m $f/6.3$ Schmidt-Cassegrain + CCD
UCAC-2

[978, 156, 16*, 2004/10/16–2005/02/19]

947 Saint-Sulpice

B. Christophe, 63 rue Belliard, F-75018 Paris, France [bchristo@club-
internet.fr]

0.60-m $f/5.6$ reflector + CCD
USNO-A2.0

[29, 9, 2*, 2004/10/06–2005/02/08]

950 La Palma

950 La Palma
A. Fitzsimmons, Physics Department, Queen's University, Belfast BT7 1NN,
Northern Ireland [a.fitzsimmons@qub.ac.uk] (3)

2.5-m Isaac Newton Telescope + CCD
[31, 9, 0*, 2001/08/22–2002/11/03]

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

[1667, 552, 0*, 2004/10/26–2005/02/08]

952 Marxuquera

J. J. Gómez D., Cardenal Cisneros 55-4-8, E-46700 Gandia, Spain
[astsafor@arrakis.es]

Observers J. J. Gómez, A. Gómez
0.25-m $f/7.3$ Schmidt-Cassegrain + CCD
USNO-A2.0, UCAC-2

[225, 32, 0*, 2004/10/30–2005/01/08]

A02 Masia Cal Maciarol Modul 8

J. L. Salto G., C/ Tramuntana, 7, E-08630 Abrera, Catalonia, Spain
[jlsalt@wanadoo.es]

Observers J. L. Salto, A. Salto
0.25-m $f/7.2$ Schmidt-Cassegrain + CCD
UCAC-2

[2, 2, 0*, 2004/11/21]

A06 Mataro

F. Garcia, Bonaire 25 Atic, E-08301 Mataro, Spain
[cosmosmataro@astrosurf.com]

Observers F. Garcia, E. Cortes
0.25-m $f/6.3$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-A2.0, USNO-B1.0

[33, 6, 0*, 2004/11/14–2005/02/02]

A12 Stazione Astronomica di Sozzago

F. Manzini, Stazione Astronomica di Sozzago, I-28060 Sozzago, Italy
[manzini.ff@aruba.it]

Observer F. Manzini
Measurers F. Manzini, R. Behrend
0.4-m $f/5$ reflector + CCD
UCAC-2

[484, 5, 0*, 2004/08/16–2004/12/24]

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

[742, 101, 2*, 2005/01/03–2005/02/10]

A16 Tentlingen

P. Kocher, ufem Berg 23, CH-1734 Tentlingen, Switzerland [kocher@bluewin.ch]

0.3-m $f/4$ reflector + CCD
UCAC-2, USNO-B1.0

[558, 78, 0*, 2004/10/23–2005/01/13]

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

[14, 5, 0*, 2005/01/14–2005/01/16]

A20 Sögel

H. Roclawski, Westring 10, D-49751 Sögel, Germany [info@comp-media.de]

0.25-m reflector + CCD
USNO-B1.0

[45, 15, 0*, 2004/11/08–2005/02/09]

A24 New Millennium Observatory, Mozzate

E. Cozzi, Via Borghi 14, I-22076 Mozzate, Italy [new.millennium@tin.it]

0.36-m $f/9.4$ Schmidt-Cassegrain + CCD
GSC, UCAC-2

[1205, 291, 0*, 2004/11/08–2005/01/03]

A27 Eridanus Observatory, Langelsheim

E. Meyer, am Borbergsbach 18, D-38685 Langelsheim, Germany
[eckart.meyer@tu-clausthal.de]

0.15-m refractor + CCD
USNO-A2.0, UCAC-2

[43, 6, 0*, 2004/10/21–2004/12/21]

A30 Crespadoro

S. Valentini, Via Scagi 06, Crespadoro (VI), Italy [stefanom42@libero.it]

Observers S. Valentini, G. Peretto
0.23-m $f/5.2$ Schmidt-Cassegrain + CCD, 0.23-m $f/5$ Schmidt-Cassegrain + CCD,

0.23-m $f/10$ Schmidt-Cassegrain + CCD
USNO-A2.0, UCAC-2

[374, 69, 0*, 2004/10/17–2005/02/05]

A31 Corcaroli Observatory

F. Zattera, via Carpaneo 3, Cornedo Vicentino (VI), Italy [graxper@freepass.it]

Observers F. Zattera, I. Peretto
0.25-m $f/10$ Schmidt-Cassegrain
UCAC-2

[6, 2, 0*, 2004/11/17]

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-A2.0, USNO-B1.0

[128, 11, 0*, 2004/10/21–2004/12/29]

A34 Grosshabersdorf

C. Sturm, Fronbergweg 23, D-90613 Grosshabersdorf, Poseg, Germany

[christian.sturm@poseg.de]

0.20-m $f/10$ Schmidt-Cassegrain + CCD
UCAC-2

[53, 13, 0*, 2004/10/22–2005/02/07]

A35 Hormersdorf Observatory

J. Lorenz, An den drei Teichen 35, D-09395 Hormersdorf, Germany

[joachim.lorenz.hormersdorf@t-online.de]

0.30-m $f/6.0$ reflector + CCD
USNO-A2.0

[604, 179, 6*, 2004/10/19–2005/02/08]

A38 Campocattino 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 U. Tagliaferri, F. Mallia, M. Di Sora
0.40-m $f/8.0$ reflector + CCD

USNO-SA2.0

[1, 1, 0*, 2003/01/02]

A39 Altenburg

J. Kopplin, Geraer Str. 37, Altenburg, Germany [Joerg.Kopplin@t-online.de]

0.25-m $f/5.8$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0

[10, 2, 0*, 2004/12/15]

A41 Rezman Observatory, Kamnik

R. Palcic, Rezman Observatory, Pot na Poljane 9, SI-1241 Kamnik, Slovenia

[rok.palcic@kks-kamnik.si]

Observers R. Palcic, B. Vasiljevic
0.40-m reflector + CCD

USNO-A2.0, UCAC-2

[1004, 324, 0*, 2004/11/07–2005/02/07]

A43 Inastars Observatory, Potsdam

B. Thinius, Moosgloeckchenweg 8, D-14478 Potsdam, Germany [thinius@t-online.de]

0.20-m $f/6.8$ Schmidt-Cassegrain + CCD
USNO-A2.0

[9, 2, 0*, 2004/11/13–2004/11/14]

A44 Altschwendt

W. Ries, Privatobservatory Altschwendt, Altenseng 6, A-4721 Altschwendt, Austria
[diriesw@aon.at]

0.30-m $f/6$ reflector + CCD
USNO-A2.0

[217, 48, 5*, 2005/01/16–2005/02/09]

A48 Verona

F. Rossetti, Via Di Vittorio 6, Povegliano Veronese (Verona), Italy
[rosfla@libero.it]

0.3-m $f/5$ reflector + CCD
USNO-A2.0

[159, 35, 0*, 2004/10/01–2005/02/15]

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 P. Hedelt, O. Karlsson, C.-I. Lagerkvist, T. Oja

Measurers G. Hahn, P. Hedelt, O. Karlsson, C.-I. Lagerkvist, S. Mottola, J. Warell
0.90-m $f/5$ reflector + CCD
GSC

[14, 3, 0*, 2004/10/12–2004/12/07]

A50 Andrushivka Astronomical Observatory

Yu. Ivashchenko, 3-7 Observatorna Sreet, Andrushivka, Zhytomyr reg, Ukraine
[yurets@gluk.org]

Observers Y. Ivashchenko, V. Lokot, O. Gerashchenko, G. Kovalchuk
Measurer M. Tsivtsivadze

0.6-m $f/1.2$ reflector + CCD
USNO-A2.0

[1808, 429, 0*, 2004/09/14–2005/01/18]

A53 Peschiera del Garda

R. Bianco, via della repubblica 31, Peschiera del Garda, I-37019 Italy
[roberto945@interfree.it]

0.25-m Schmidt-Cassegrain + CCD
USNO-A2.0

[212, 55, 0*, 2004/09/07–2005/02/16]

A55 Osservatorio Astronomico Vallemare di Borbona

V. S. Casulli, via Monte Rosa 1, 00012 Colleverde di Guidonia (RM), Italy
[v.casulli@libero.it]

0.40-m $f/4.5$ reflector + CCD
USNO-A2.0

[162, 28, 2*, 2004/12/06–2005/02/07]

A56 Parma

A. Carbognani, via Gioberti 8, Parma, Italy [albino.carbognani@libero.it]

0.25-m $f/4.8$ reflector
USNO-SA2.0, GSC-1.1

[157, 25, 0*, 2004/11/20–2005/02/06]

A57 Osservatorio Astron. Margherita Hack, Firenze

N. Montigiani, Via Cardinal O. A. Romero 20, 50018 Scandicci (FI), Italy
[montigiani@tin.it]

Observers M. Mannucci, N. Montigiani, S. Riccetti, W. Benedetti
0.25-m $f/10$ Schmidt-Cassegrain + CCD

UCAC-2, USNO-A2.0, USNO-B1.0

[135, 20, 0*, 2004/10/22–2005/02/10]

A58 Observatoire de Chalandray-Canotiers

J. B. de Vanssay, 5, avenue de la Chesnaie, Montgeron, France [jbv@club-internet.fr]

0.28-m $f/5.8$ reflector + CCD
USNO-SA2.0

[12, 2, 0*, 2004/04/16–2004/10/26]

A60 YSTAR-NEOPAT Station, Sutherland

Y. I. Byun, Yonsei University Observatory, Seoul 120-749, South Korea
[byun@galaxy.yonsei.ac.kr]

Observers Y. I. Byun, W. Y. Han, Y. W. Kang, S. Y. Park, H. S. Yim, S. Y. Yu,
H. K. Moon, S. H. Oh, Y. H. Bae

0.5-m $f/2$ reflector + CCD

USNO-B1.0

[706, 126, 0*, 2004/05/08–2004/07/18]

A61 Tortona

F. Fratev, Via Eritrea, 62, 20157 Milano, Italy [filipfratev@yahoo.com]

Observers F. Fratev, E. Mihaylova

0.25-m $f/4.7$ reflector + CCD

USNO-A2.0, USNO-B1.0

[2, 2, 0*, 2004/11/04–2004/11/21]

A62 Aichtal

F. Schneider, Sternwarte Aichtal, Aichtal, Heideweg 11, 72631 Aichtal [spatz1@t-online.de]

0.20-m $f/5.1$ Newtonian reflector + CCD
USNO-A2.0

[1107, 64, 0*, 2004/11/20–2005/02/05]

A63 Cosmosoz Observatory, Tassin la Demi Lune

M. Bretton, 11 allée du Sauze, 69160 Tassin La Demi Lune, France
[marc.bretton@orange.fr]

0.25-m $f/6.3$ reflector + CCD

[18, 2, 0*, 2005/01/03–2005/01/06]

A64 Observatoire de la SAG, St-Cergue

B.-O. Demory, incomplete details supplied [brice-olivier.demory@epfl.ch]

0.41-m Schmidt-Cassegrain + CCD

USNO-B1.0

[12, 3, 0*, 2004/10/23–2005/01/15]

A65 Le Couvent de Lentin

A. Vergara, Le Couvent de Lentin, 12170 Ledergues, France
[avergara33@wanadoo.fr]

0.13-m $f/6.3$ refractor + CCD

USNO-A2.0

[121, 9, 0*, 2005/01/24–2005/02/05]

A66 Stazione Osservativa Astronomica, Livorno

A. Mercatali, via C. del Lavoro 6, 57126 Livorno, Italy

[antonio.mercatali@virgilio.it]

0.20-m $f/10$ Schmidt-Cassegrain + CCD

USNO-A2.0

[14, 4, 0*, 2005/01/17–2005/02/02]

A67 Chiusa di Pesio

M. Dho, Piazza Carlo Mauro 11, Chiusa di Pesio, 12013 Cuneo, Italy

[dhomario@virgilio.it]

0.30-m $f/3.3$ Cassegrain + CCD

USNO-A2.0

[30, 2, 0*, 2004/12/11–2005/01/04]

A68 Swedenborg Obs., Bockholmwik

J. Kallstaedter, Bockholmwik 19, 24960 Bockholmwik, Germany

[jkallst@lycos.com]

Observers J. Kallstaedter, M. Kallstaedter

0.60-m $f/5.5$ reflector + CCD

UCAC-2

[34, 10, 0*, 2005/02/17–2005/02/20]

A70 Lumijoki

V. Kallio, Luontotie 48, SF-91980 Lumijoki, Finland

[veijo.kallio@mail.suomi.net]

0.40-m $f/5$ reflector

GSC, USNO-A2.0

[41, 10, 0*, 2004/11/01–2005/02/11]

A83 Jakokoski Observatory

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80101 Joensuu, Finland [pertti.paakkonen@joensuu.fi]

Observers P. Pääkkönen, T. Itkonen

0.50-m $f/8.5$ Cassegrain + CCD

USNO-A2.0

[15, 3, 0*, 2004/12/03–2004/12/25]

A84 TUBITAK National Observatory

Z. Aslan, TUBITAK National Observatory, TR-07058 Antalya, Turkey

[aslan@tug.tug.tubitak.gov.tr]

Observer I. Bikmaev

Measurer I. Khamitov

1.50-m $f/7.7$ reflector + CCD

USNO-B1.0, UCAC-2

[70, 6, 3*, 2004/10/18–2004/10/22]

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

[2, 1, 0*, 2000/12/25]

D74 Nakagawa

Nakagawa Observatory, 8-1, Minamikawabuchi, Kamifukui, Nakagawa-cho, Nakagawa-gun Tokushima 779-1243, Japan

Observers H. Hori, H. Maeno

1.13-m $f/6.75$ reflector + CCD

USNO-A2.0

[44, 3, 1*, 2004/10/16–2005/01/10]

D85 Ingle Farm

M. Hales, 9 Bryant Avenue, Ingle Farm, SA 5098, Australia [mch@airnet.co.au]

0.30-m $f/10$ Schmidt-Cassegrain + CCD

UCAC-2

[19, 6, 0*, 2005/01/09–2005/01/10]

D89 Yamagata

K. Itagaki, 1-40, Techo-cho 3 Chome, Yamagata, Yamagata-ken, 990-2492 Japan

0.60-m $f/5.7$ reflector + CCD

UCAC-2

[65, 6, 4*, 2004/10/06–2004/12/17]

D91 Adati

H. Hamanowa, 4-34 Hikarigaoka, Sirasawa-V, Adati-gun, Fukushima-ken, 969-1204

Japan [hamaten@poplar.ocn.ne.jp]

0.4-m $f/4.5$ Newtonian reflector + CCD

USNO-B1.0

[3, 1, 0*, 2004/10/28]

E01 South Yarra

B. D. Heathcote, 269 Domain Rd., South Yarra, VIC, Australia

[bd-heath@bigpond.net.au]

0.35-m $f/5.2$ Schmidt-Cassegrain + CCD

UCAC-2

[14, 2, 0*, 2004/10/30–2004/11/24]

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, R. E. Hill,

S. M. Larson, R. H. McNaught, C. M. Casey

0.5-m Uppsala Schmidt + CCD

UCAC-2

[11709, 2306, 55*, 2004/03/17–2004/12/29]

E14 Hunters Hill Observatory, Ngunnawal

D. Higgins, 7 Mawalan Street, Ngunnawal, ACT 2913, Australia

[higginsdj@bigpond.com]

Observer D. Higgins

Measurer A. Engine

0.36-m $f/2.95$ Schmidt-Cassegrain + CCD

UCAC-2

[24, 5, 0*, 2004/10/28–2005/02/14]

E16 Grove Creek Observatory, Trunkey

A. Mattingly, 2 Silex Road, Mosman NSW 2088, Australia

[andrew@mattingly.com]

Observer T. Barker, A. Mattingly, S. Williams
 Measurer A. Mattingly
 0.30-m $f/10$ Schmidt-Cassegrain + CCD + $f/5$ focal reducer
 GSC

[14, 3, 0*, 2004/12/14–2004/12/17]

E17 Leura

J. Oey, 94 Rawson Pde., Leura, NSW, Australia [julianoey1@optusnet.com.au]
 0.35-m Schmidt-Cassegrain + CCD
 UCAC-2

[141, 37, 0*, 2004/11/06–2005/02/05]

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

[2, 1, 0*, 2003/08/03]

F60 Ironwood North Observatory, Hawaii

V. Reddy, Dept. of Space Studies, Clifford Hall, University of North Dakota, Grand
 Forks, ND 58203, U.S.A. [vishnu.kanupuru@und.nodak.edu]

Observers V. Reddy, K. J. Archer, N. E. Davis, F. Pino
 0.25-m $f/5$ reflector + CCD, 0.25-m $f/6.3$ Schmidt-Cassegrain + CCD
 UCAC-2

[98, 8, 0*, 2004/12/16–2005/01/11]

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)

L. Kurtze, Technische Universität Darmstadt, Fachgebiet Mechatronik &
 Maschinenakustik, AG Maschinenakustik, Magdalenenstrasse 4, 64289
 Darmstadt, Germany [kurtze@mum.tu-darmstadt.de] (2)

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, L. O'Donnell, L. Kurtze,
 F. Hormuth, K. Sonnenberg, D. Bowdley, I. P. Williams, S. M. Fendius,
 C. M. Catto, G. C. Rumbellow, C. J. Barry, A. D. Taylor, M. Kang,
 H. F. Ridgeway, J. Bedient, J. Yardley, H. C. M. Catto, J. H. Bird,
 M. Kadooka

Measurers F. Hormuth, L. Kurtze, D. Bowdley, A. D. Taylor, S. M. Fendius,
 J. H. Bird, J. Bedient, J. Yardley, C. J. Barry, B. T. E. Bunyard, I. Martin
 2.0-m Ritchey-Chrétien + CCD
 USNO-B1.0, USNO-A2.0

{1} [253, 56, 0*, 2004/10/21–2005/02/19]

{2} [71, 14, 2*, 2004/11/02–2005/01/07]

{3} [234, 36, 0*, 2004/04/30–2005/02/19]

{4} [38, 9, 1*, 2005/01/13–2005/02/16]

G57 Dilbert Observatory, Forest Grove

D. Sandage, 3211 Lavina Drive, Forest Grove, OR 97116, U.S.A.
 [daves@easystreet.com]

0.25-m $f/9$ Ritchey-Chrétien + CCD
 USNO-A2.0

[6, 1, 0*, 2004/12/19–2005/01/03]

G70 Francisquito Observatory, Los Angeles

R. E. Jones, 28358 N. Mayfair Dr., Valencia, CA 91354, U.S.A.
 [fsq34d28n118d33w@aol.com]

0.30-m $f/6.7$ reflector + CCD
 UCAC-2

[85, 21, 0*, 2004/09/18–2004/12/04]

G72 University Hills

J. Foster, 4858 Seldner Ave., Los Angeles, CA 90032, U.S.A. [be686@lafn.org]
 0.33-m reflector + CCD
 USNO-SA2.0

[472, 16, 0*, 2004/10/30–2004/12/19]

G78 Desert Wanderer Observatory, El Centro

W. K. Y. Yeung, 139 Sandringham Place NW, Calgary, AB T3K 3V8, Canada
 [Calgarian@canada.com]

0.45-m reflector + CCD
 GSC-ACT

[3, 1, 0*, 2002/08/05]

G90 Three Buttes Observatory, Tucson

G. R. Jones, P.O. Box 8645, Tucson, AZ 85738, U.S.A. [gil@threebuttes.com]
 0.40-m Ritchey-Chrétien + CCD
 USNO-A2.0

[15, 5, 0*, 2005/01/16]

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

[2746, 624, 44*, 2004/06/16–2005/01/18]

G95 Hereford

B. Gary, 5320 E. Calle Manzana, Hereford, AZ 85615, U.S.A. [BLGARY@umich.edu]
 0.35-m $f/1.86$ Schmidt-Cassegrain + CCD

[1, 1, 0*, 2005/01/16]

G96 Mt. Lemmon Survey

E. Beshore, 1629 E. University Blvd., Tucson, AZ 85721-0092, U.S.A.
 [ebeshore@lpl.arizona.edu]

Observer S. M. Larson

Measurers E. C. Beshore, C. M. Casey, E. J. Christensen, G. J. Garradd,
 R. E. Hill, S. M. Larson, R. H. McNaught

1.5-m reflector + CCD
 UCAC-2

[33042, 6471, 641*, 2004/09/22–2005/02/09]

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

Observers L. Molnar, t. Calvin College Physics 134 Class

0.4-m $f/8$ Ritchey-Chrétien + CCD

USNO-A2.0

[539, 45, 20*, 2004/11/03–2005/02/04]

G99 NF Observatory, Silver City

A. W. Neely, NFO Webscope, 22 Meadowhawk Ln. , Silver City, NM 88061, U.S.A. [neely@nfo.edu]

Observers A. W. Neely, A. Grauer

0.6-m $f/10$ reflector + CCD

USNO-A2.0

[25, 4, 0*, 2004/12/13–2004/12/17]

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

[1, 1, 0*, 2005/02/05]

H06 New Mexico Skies Observatory

U. Wolff, Ziemensstraße 25 a, D-14542 Glindow, Germany [vermessung.Wolff@t-online.de]

R. Hutsebaut, no details available (2)

J. Sue, no details available (3)

F. Hormuth, no details available (4)

M. Nicholson, no details available (5)

A. Lowe, 1412 70 Avenue SW, Calgary, AB T2V 0R3, Canada

[andrew.lowe@encana.com] (6)

J. Bedient, Institute for Astronomy, 2680 Woodlawn Drive, Honolulu, HI 96822, U.S.A. [bedient@hawaii.edu] (7)

Observers R. Hutsebaut, J. Sue, U. Wolff, F. Hormuth, M. Nicholson, A. Lowe, J. Bedient

0.25-m reflector + CCD, 0.30-m reflector + CCD, 0.09-m $f/4.56$ refractor + CCD
USNO-B1.0, UCAC-2

{1} [137, 38, 3*, 2004/08/19–2005/02/08]

{2} [294, 77, 0*, 2004/10/24–2005/02/15]

{3} [203, 39, 0*, 2004/10/21–2005/02/15]

{4} [37, 8, 0*, 2004/11/03–2004/12/15]

{5} [146, 63, 0*, 2004/12/11–2005/01/08]

{6} [1256, 246, 16*, 2005/01/03–2005/02/15]

{7} [29, 9, 0*, 2005/02/03]

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

USNO-A2.0

[27, 8, 0*, 2004/09/15–2004/09/16]

H31 Star Ridge Observatory, Weimer

T. Doi, 1607 Rustic Oak Lane, Seabrook, TX 77586, U.S.A.

[tdoi@compuserve.com]

0.3-m $f/5.0$ reflector + CCD

USNO-SA2.0

[12, 3, 0*, 2004/11/28–2005/01/17]

H36 Sandlot Observatory, Scranton

G. Hug, 964 W. 149th St., Scranton, KS 66537, U.S.A. [frogstar@intergate.com]

0.3-m Schmidt-Cassegrain + CCD

UCAC-2, USNO-B1.0

[187, 58, 2*, 2004/11/06–2005/02/18]

H41 Petit Jean Mountain

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

[1434, 83, 0*, 2004/11/06–2005/02/18]

H42 Wartburg College Observatory, Waverly

C. Figura, Wartburg College, 100 Wartburg Blvd., Waverly, IA 50677, U.S.A.

[charles.figura@wartburg.edu]

0.36-m $f/11$ Schmidt-Cassegrain + CCD

USNO-A2.0

[193, 34, 0*, 2004/10/25–2004/12/15]

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

[19, 4, 0*, 2005/02/18]

H55 Antares Obseratory, Charleston

R. Holmes, 7616 NCR 1800E, Charleston, IL 61920, U.S.A. [astro@advant.net]

0.40-m Schmidt-Cassegrain + CCD

USNO-A2.0

[325, 71, 12*, 2004/08/17–2005/02/12]

H67 Stonegate Observatory, Ann Arbor

G. Vander Haagen, 825 Stonegate Road, Ann Arbor, MI 48103, U.S.A.

[garyvh2@att.net]

Observers G. Vander Haagen, G. A. Vander Haagen

0.35-m Schmidt-Cassegrain + CCD

GSC

[367, 92, 0*, 2004/10/26–2005/02/13]

H76 Oakridge Observatory, Miami

A. Stuart, 9632 SW 123 Street, Miami, Florida 33176, U.S.A.

[amstuart@sprintmail.com]

0.08-m $f/6.2$ refractor + CCD

[28, 5, 0*, 2005/01/21–2005/02/13]

H86 CBA-East Observatory, Laurel

D. Skillman, 9517 Washington Ave., Laurel, MD 20723, U.S.A.

[dskillman@comcast.net]

0.66-m $f/2.7$ reflector + CCD

UCAC-2, USNO-B1.0

[100, 29, 2*, 2004/11/06–2005/02/13]

H93 Berkeley Heights

D. Gary, 14 Honeyman Place, Berkeley Heights, NJ 07922, U.S.A.
[dgary50@yahoo.com]

0.25-m $f/10.0$ reflector + CCD
USNO-A2.0

[37, 9, 0*, 2004/12/14–2005/02/06]

H97 Talcott Mountain Science Center, Avon

M. Meredith, Talcott Mountain Science Center, Montevideo Road, Avon,
CT 06001, U.S.A. [mmeredith@g3.tmsc.org]

0.41-m Schmidt-Cassegrain + CCD
USNO-B1.0

[6, 2, 0*, 2004/12/04]

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] (1)

Measurers S. Magrin, S. Marchi, A. Migliorini
2.2-m reflector + CCD
USNO-A2.0

[44, 13, 0*, 1999/07/19–2002/02/23]

I05 Las Campanas Observatory-TIE

G. Masi, Via Madonna de Loco 47, I-03023 Ceccano (FR), Italy
[gianluca@bellatrixobservatory.org] (2)

Observers G. Masi, F. Mallia, R. Wilcox
0.36-m SoTIE reflector + CCD
USNO-SA2.0

[4, 1, 0*, 2004/10/28]

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

[151, 37, 0*, 2004/10/24–2005/02/16]

J50 La Palma-NEON

K. Muinonen, P.O. Box 14, University of Helsinki, SF-00014 Helsinki, Finland
[karri.muinonen@helsinki.fi]

Observers T. Laakso, Z. J. Dai, J. Näränen, J. Virtanen, J. Torppa
2.5-m $f/11$ Nordic Optical Telescope + CCD
USNO-A2.0

[43, 6, 0*, 2004/08/23–2005/01/15]

J71 Willow Bank Observatory

I. Griffin, Ramsden Wood Road, Walsden, Lancashire OL14 7UD, England
[i.griffin@msim.org.uk]

0.35-m Schmidt-Cassegrain + CCD
UCAC-2, USNO-B1.0, USNO-A2.0

[35, 12, 0*, 2004/12/11–2005/01/10]

J72 Valle del Sol

J. Castillo Escudero, Urb. Valle del Sol, carril 19, 30590 - La Tercia, (Murcia),
Spain [protocolo@aytosanpedro.com]

0.35-m $f/6.3$ Schmidt-Cassegrain + CCD
USNO-A2.0

[18, 3, 0*, 2004/11/18–2004/11/21]

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, UCAC-2

[5, 1, 0*, 2005/01/01]

J78 Murcia

J. Sánchez, Casa del Aire 27, E-30107 Guadalupe (Murcia), Spain
[elcaracas@elcaracas.com.]

0.25-m Schmidt-Cassegrain + CCD
USNO-A2.0

[3, 1, 0*, 2004/11/20]

J81 Guirguillano

P. Martorell, c/Lago 13 2-C, 31016 Pamplona, Spain [pmartorell@masbytes.es]

Observers J. Salamero, P. Martorell
0.31-m $f/4.85$ reflector + CCD
USNO-A2.0

[8, 2, 0*, 2004/11/12]

J83 Olive Farm Observatory, Hoghton

M. Peel, 17 Manor Close, Hoghton, Preston PR5 0EN, England
[mike.peel@btinternet.com]

0.30-m $f/5.2$ reflector + CCD
USNO-B1.0

[30, 6, 0*, 2004/10/08–2004/12/19]

J84 Clanfield

D. Briggs, 124 Redbridge Grove, Havant, Portsmouth PO9 3DF, England
[dbriggs@kepler.demon.co.uk]

0.60-m $f/4.75$ Newtonian reflector + CCD
USNO-B1.0

[6, 2, 0*, 2005/02/06]

J87 La Cañada

J. Lacruz, Ramon Gomez de la Serna 83 7F, E-28035 Madrid, Spain
[juan.lacruz@yahoo.com]

0.30-m $f/10$ Schmidt-Cassegrain + CCD
UCAC-2, USNO-A2.0, USNO-B1.0

[189, 31, 3*, 2004/10/23–2005/02/18]

J92 Beaconsfield

D. Stokes, 3 Old Farm Close, Beaconsfield HP9 2TH, England
[david5qzstokes@hotmail.com]

0.30-m $f/10.0$ Schmidt-Cassegrain + CCD
USNO-A2.0

[71, 16, 0*, 2004/10/25–2005/01/06]

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

[45, 6, 0*, 2004/11/09–2005/01/12]

J94 Abbeydale

A. E. Cahill, Mount Abbeydale, 51 Fieldfare, Abbeydale, Gloucester GL4 4WH,
England [alancahill@blueyonder.co.uk]

0.2-m $f/5.2$ Schmidt-Cassegrain + CCD

USNO-A2.0, UCAC-2

[165, 48, 0*, 2004/10/26–2005/02/19]

J95 Great Shefford

P. Birtwhistle, Phlox Cottage, Wantage Road, Great Shefford, Berkshire

RG17 7DA, England [peter@birtwhi.demon.co.uk]

0.30-m $f/6.3$ Schmidt-Cassegrain + CCD

UCAC-2, USNO-B1.0

[957, 201, 6*, 2004/10/07–2005/02/20]