Astronomy & Astrophysics manuscript no. KStno
April 15, 2020

Colours of Minor Bodies in the Outer Solar System

Sample: allClean.dat , April 15, 2020

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ESO

Compilation date: April 15, 2020

ABSTRACT

This is a collection of all tables and graphs mentioned in Hainaut, Boehnhardt and Protopapa (2012), A&A **XX**, XX, updated for the following sample allClean.dat on April 15, 2020.
Refer to the paper for discussions and methods, and to the MBOSS photometry web page, `http://www.eso.org/~ohainaut/MBOSS` for individual plots and for updates.

Key words.

1. Intro

This is essentially a collection of tables and figures with no text. The explanatory text is found in Hainaut, Boehnhardt and Protopapa 2012.

2. ChangeLog

- added Bauer+13 radiometric WISE data
- added various comet-related papers: Mee+08, Jew15, Jew05
- added Pluto and Charon data
- Aug.2017 various Esa object miss visible information; rescued a few from papers of "less than optimal" guality. Added For+09 for more gradients.
- check for new binaries, Vil+14, For+13, SSa+12
- imported HBO papers:

Paper	Obj	epochs	dispersion
Ban+16	7	0	no quality estimate
Por+16	6	0	no quality estimate
Pet+08	55	0	no quality estimate
TRC16	72	71	0.064
ST16	12	0	no quality estimate
STT16	9	0	no quality estimate
SRT12	6	1	0.105
TS14	2	1	0.042

- Dynamical classification: comets are comets only based on their designation (C/, P/), not on their orbital elements. Hwv, elements are now read in and processed for P/ (not C/, as we use a).
- Dynamical classification: Cold Classic now more restrictive: $i < 5$ and $e < 0.15$.
- Jun.2017 Incorporate radiometric data, Esa. Reads and processes Diam, Pv, M11. Pending: eta

Table 1. Content of the database [statCount.tex, from proc/KStno-count]

Item	Count
Jtrojans	90
Res. 3:2	58
Res. other	32
LPComets	51
SPComets	141
Centaurs	90
Scattered	53
Detached Disk Obj.	33
Classical Cold	94
Classical Hot	82
Objects	724
Epochs	2662
Papers	153

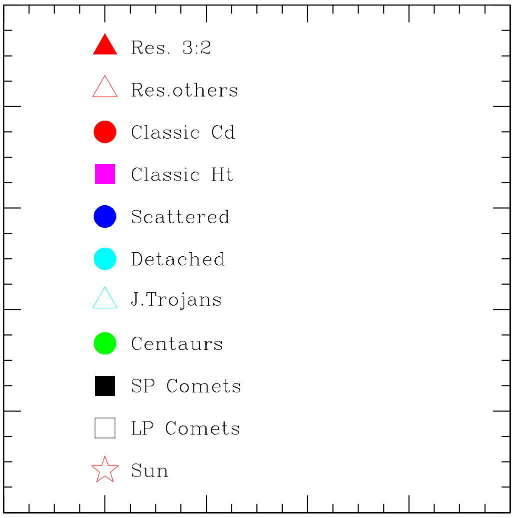

Fig. 1. Symbols used in all other figures [colorColor]

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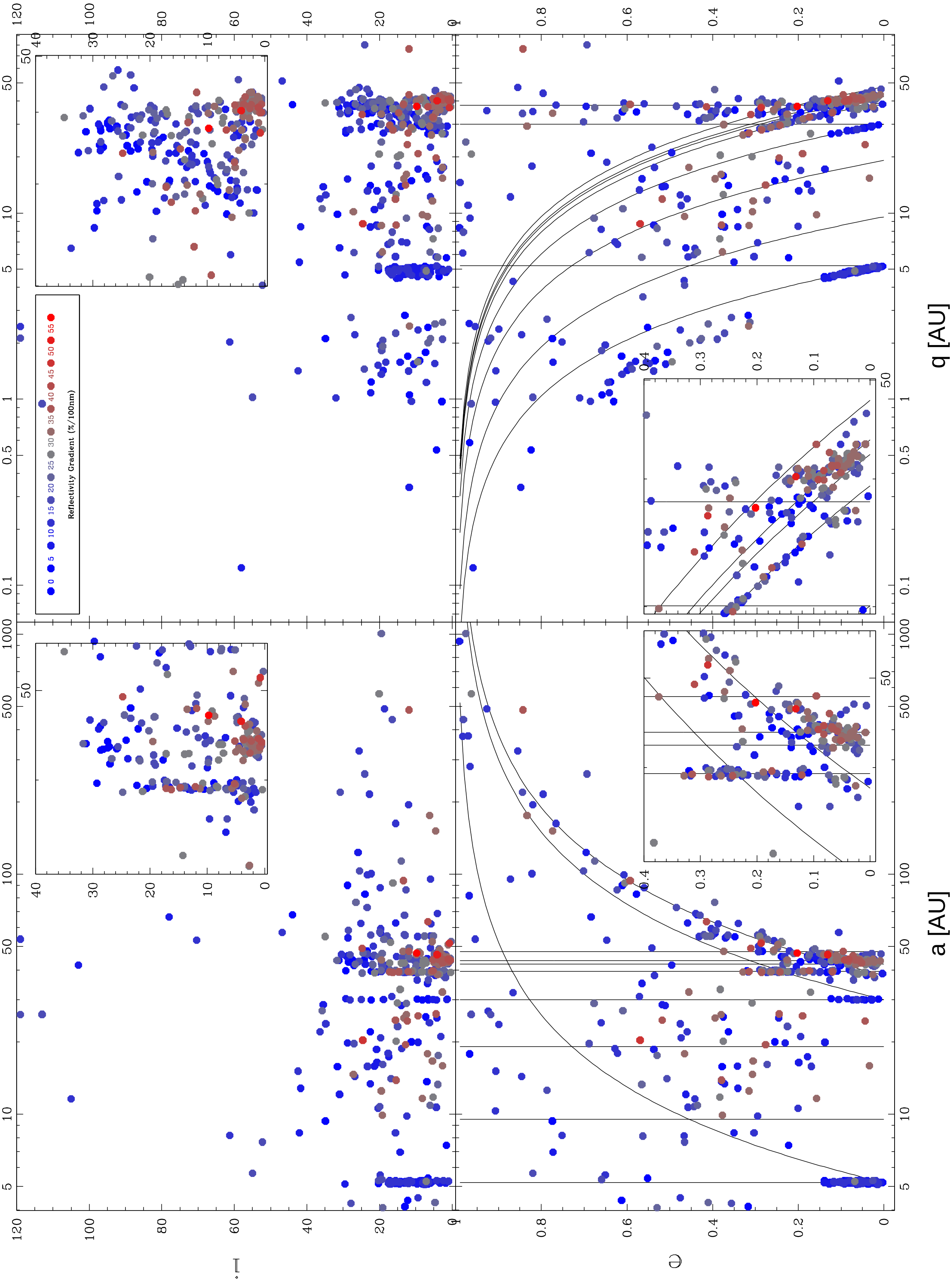

Fig. 2. Spectral gradient of the objects [eleCol.sm]

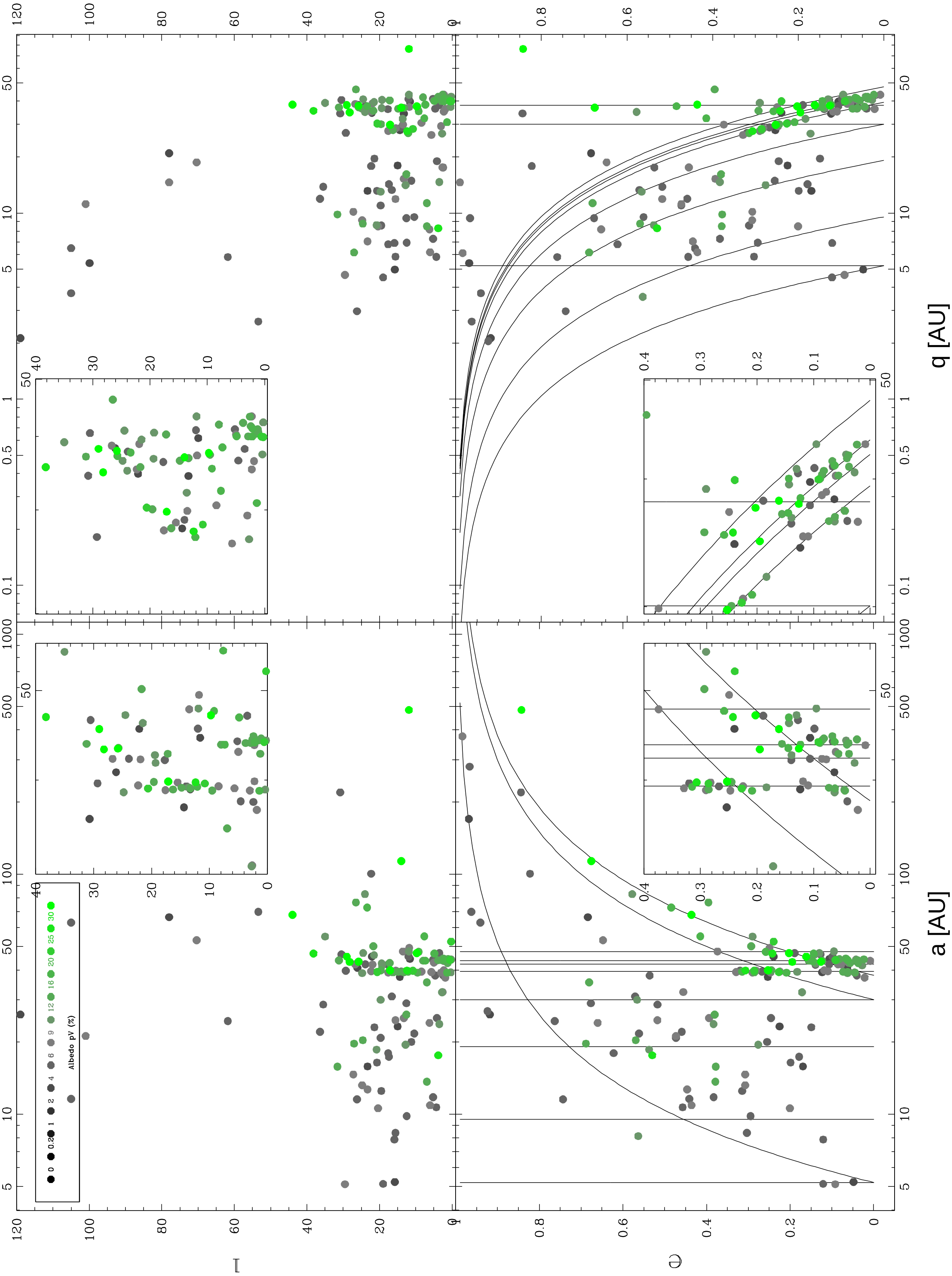

Fig. 3. V albedo of the objects from thermal IR [eleAlbedo.sm]

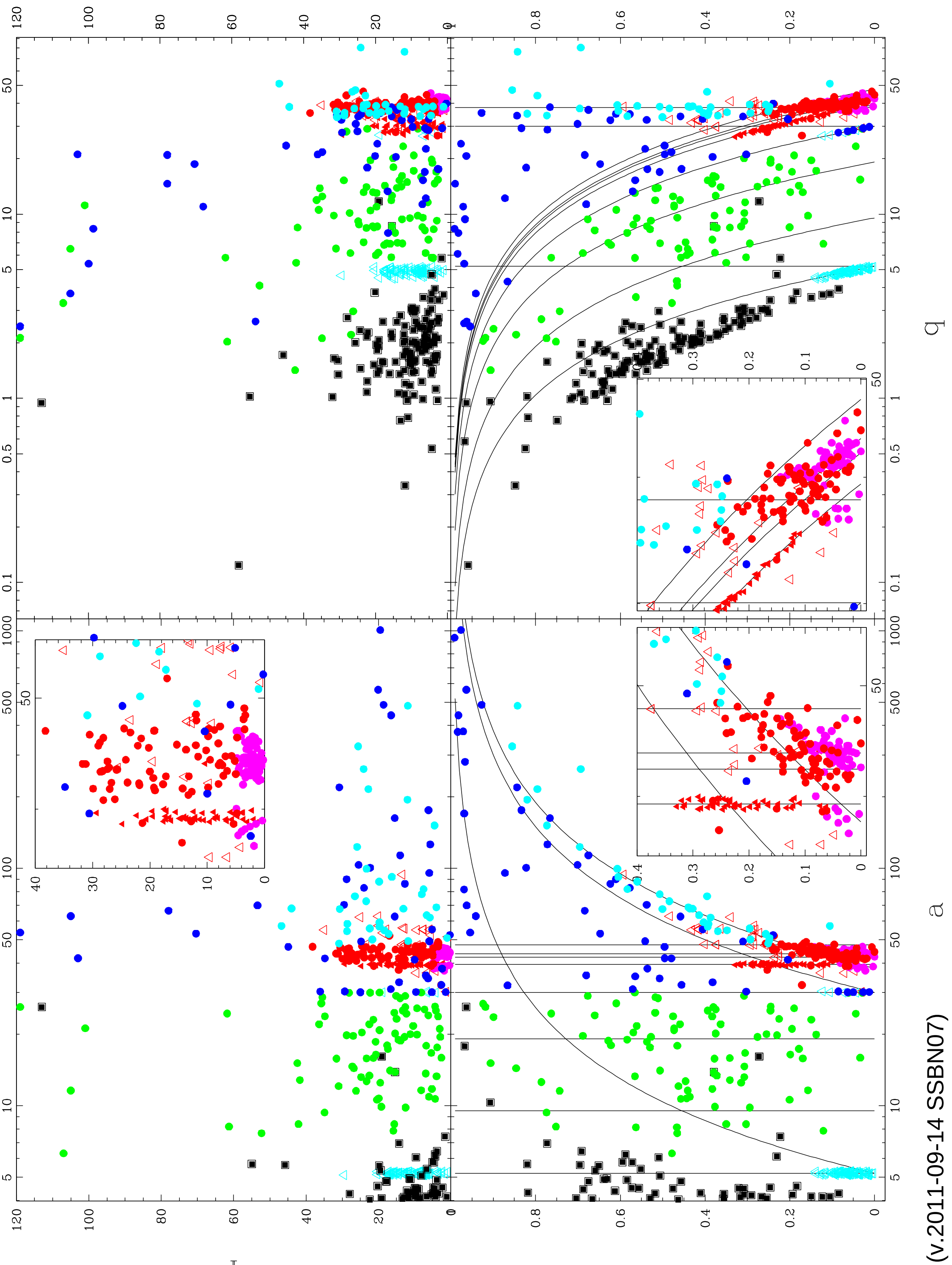

Fig. 4. Dynamical classification and orbital elements of the objects [ele.sm]

Table 2. Average Magnitudes and Colors allColorTex.tex from colorTex

Object	Class[1]	Epochs[2]	Multiple[3]	M11 $\pm\sigma$			
	Grt $\pm\sigma$	B-V $\pm\sigma \pm d$	V-R $\pm\sigma \pm d$	R-I $\pm\sigma \pm d$	V-J $\pm\sigma \pm d$	J-H $\pm\sigma \pm d$	H-K $\pm\sigma \pm d$
C/1983H1-IA	LP Comet	1	1	14.851 ± 0.376			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
C/1983J1-SS	LP Comet	1	1	19.418 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
C/1984K1-Shoemak	LP Comet	1	1	9.831 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
C/1984U1-Shoemak	LP Comet	1	1	9.925 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
C/1986P1-Wilson	LP Comet	1	1	11.225 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
C/1987A1-Levy	LP Comet	1	1	15.648 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
C/1987H1-Shoemak	LP Comet	1	1	10.127 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
C/1988B1-Shoemak	LP Comet	1	1	11.225 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
C/1988C1-MP	LP Comet	1	1	17.053 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
C/1995O1-HB	LP Comet	2	1	9.418 ± 1.056			
	2.578 ± 4.691	0.810 ± 0.050 ± 0.000	0.390 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
C/1996B2-Hyakuta	LP Comet	1	1	15.358 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
C/1999J2	LP Comet	11	1	—±—			
	5.340 ± 0.719	0.687 ± 0.013 ± 0.008	0.426 ± 0.009 ± 0.006	0.403 ± 0.014 ± 0.012	—±—±—	—±—±—	—±—±—
C/1999S4-LINEAR	LP Comet	1	1	19.249 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
C/2000B4	LP Comet	6	1	—±—			
	7.799 ± 2.113	—±—±—	0.454 ± 0.034 ± 0.021	0.430 ± 0.045 ± 0.032	—±—±—	—±—±—	—±—±—
C/2001G1	LP Comet	2	1	—±—			
	6.474 ± 0.647	0.752 ± 0.012 ± 0.000	0.430 ± 0.030 ± 0.022	0.433 ± 0.011 ± 0.000	—±—±—	—±—±—	—±—±—
C/2001M10	Centaur	2	1	—±—			
	4.475 ± 3.261	0.963 ± 0.233 ± 0.223	0.350 ± 0.060 ± 0.000	0.520 ± 0.080 ± 0.000	—±—±—	—±—±—	—±—±—
C/2001O1	LP Comet	1	1	—±—			
	2.781 ± 1.141	—±—±—	0.328 ± 0.020 ± 0.000	0.480 ± 0.023 ± 0.000	—±—±—	—±—±—	—±—±—
C/2001OG108-LONE	LP Comet	1	1	12.825 ± 0.183			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
C/2001Q1	LP Comet	2	1	—±—			
	29.277 ± 0.802	—±—±—	0.445 ± 0.160 ± 0.159	0.623 ± 0.013 ± 0.000	—±—±—	—±—±—	—±—±—
C/2002CE10-LINEA	LP Comet	2	1	—±—			
	15.658 ± 1.447	0.770 ± 0.024 ± 0.000	0.542 ± 0.029 ± 0.015	0.504 ± 0.025 ± 0.005	—±—±—	—±—±—	—±—±—
C/2002VQ94-LINEA	LP Comet	1	1	—±—			
	12.205 ± 1.087	0.850 ± 0.020 ± 0.000	0.500 ± 0.020 ± 0.000	0.480 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—
C/2003A2	LP Comet	4	1	—±—			
	7.213 ± 1.463	—±—±—	0.456 ± 0.025 ± 0.016	0.393 ± 0.019 ± 0.006	—±—±—	—±—±—	—±—±—
C/2003A2-Gleason	LP Comet	1	1	—±—			
	9.774 ± 1.982	0.610 ± 0.040 ± 0.000	0.470 ± 0.040 ± 0.000	0.460 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1]	Epochs[2]	Multiple[3]	M11 ±σ			
	Grt ±σ	B-V ±σ ± d	V-R ±σ ± d	R-I ±σ ± d	V-J ±σ ± d	J-H ±σ ± d	H-K ±σ ± d
C/2004D1-NEAT	LP Comet	1	1	—±—			
	9.178 ± 1.982	0.820 ± 0.050 ± 0.000	0.430 ± 0.040 ± 0.000	0.510 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—
C/2006S3-Loneos	LP Comet	1	1	—±—			
	20.659 ± 1.301	0.740 ± 0.010 ± 0.000	0.580 ± 0.010 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
C/2007D1-LINEAR	LP Comet	1	1	—±—			
	6.512 ± 1.266	0.750 ± 0.020 ± 0.000	0.440 ± 0.020 ± 0.000	0.410 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—
C/2008S3-Boattin	LP Comet	2	1	—±—			
	5.440 ± 1.352	0.769 ± 0.036 ± 0.018	0.448 ± 0.026 ± 0.016	0.364 ± 0.022 ± 0.008	—±—±—	—±—±—	—±—±—
C/2009T1-McNaugh	LP Comet	1	1	—±—			
	12.933 ± 1.525	0.640 ± 0.040 ± 0.000	0.530 ± 0.030 ± 0.000	0.450 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—
C/2010D4-WISE	LP Comet	1	1	—±—			
	8.876 ± 4.691	0.740 ± 0.070 ± 0.000	0.460 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
C/2010DG56-WISE	LP Comet	1	1	—±—			
	0.851 ± 4.691	0.770 ± 0.050 ± 0.000	0.370 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
C/2010KW7	LP Comet	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
C/2010L3-Catalin	LP Comet	1	1	—±—			
	5.382 ± 1.525	0.750 ± 0.030 ± 0.000	0.420 ± 0.030 ± 0.000	0.410 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—
C/2010U3-Boattin	LP Comet	3	1	—±—			
	7.678 ± 2.115	0.778 ± 0.048 ± 0.032	0.520 ± 0.037 ± 0.018	0.320 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—
C/2011KP36	LP Comet	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=9.4/0.3 diam=55.1/-19.4/+19.4 pV=0.101/-0.062/+0.062 fixeta=0.8/-0.4/+0.4						
C/2011P2-PANSTAR	LP Comet	3	1	—±—			
	-3.055 ± 7.499	0.919 ± 0.079 ± 0.056	0.323 ± 0.081 ± 0.064	—±—±—	—±—±—	—±—±—	—±—±—
C/2011Q1-PANSTAR	LP Comet	2	1	—±—			
	11.605 ± 4.492	0.819 ± 0.046 ± 0.010	0.489 ± 0.048 ± 0.014	—±—±—	—±—±—	—±—±—	—±—±—
C/2012A1-PANSTAR	LP Comet	1	1	—±—			
	7.949 ± 2.056	0.740 ± 0.010 ± 0.000	0.450 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
C/2012E1-Hill	LP Comet	1	1	—±—			
	3.452 ± 6.505	0.790 ± 0.090 ± 0.000	0.400 ± 0.070 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
C/2012K8-Lemmon	LP Comet	1	1	—±—			
	4.148 ± 0.000	0.720 ± 0.010 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
C/2012LP26-Palom	LP Comet	3	1	—±—			
	14.176 ± 4.357	0.854 ± 0.047 ± 0.041	0.516 ± 0.046 ± 0.043	—±—±—	—±—±—	—±—±—	—±—±—
C/2012Q1-Kowalsk	LP Comet	6	1	—±—			
	16.280 ± 2.417	0.907 ± 0.032 ± 0.015	0.537 ± 0.024 ± 0.014	—±—±—	—±—±—	—±—±—	—±—±—
C/2013C2	LP Comet	4	1	—±—			
	15.841 ± 2.173	0.887 ± 0.021 ± 0.007	0.533 ± 0.021 ± 0.007	—±—±—	—±—±—	—±—±—	—±—±—
C/2013E1-McNaugh	LP Comet	1	1	—±—			
	10.751 ± 2.909	0.750 ± 0.030 ± 0.000	0.480 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
C/2013H2-Boattin	LP Comet	1	1	—±—			
	11.701 ± 1.301	0.770 ± 0.020 ± 0.000	0.490 ± 0.010 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
C/2013P3-Palomar	LP Comet	1	1	—±—			
	7.951 ± 4.691	0.920 ± 0.050 ± 0.000	0.450 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class(1)	Epochs(2)	Multiple(3)	M11 ±σ			
	Grt ±σ	B-V ±σ ± d	V-R ±σ ± d	R-I ±σ ± d	V-J ±σ ± d	J-H ±σ ± d	H-K ±σ ± d
C/2013P4	LP Comet	3	1	—±—			
	11.387 ± 2.082	0.827 ± 0.020 ± 0.003	0.487 ± 0.020 ± 0.003	—±—±—	—±—±—	—±—±—	—±—±—
C/2014AA52-CATAL	LP Comet	1	1	—±—			
	4.336 ± 2.057	0.770 ± 0.020 ± 0.000	0.410 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
C/2014B1-Schwarz	LP Comet	1	1	—±—			
	20.663 ± 2.909	0.850 ± 0.030 ± 0.000	0.580 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
C/2014R1-Borisov	LP Comet	1	1	—±—			
	8.876 ± 1.301	0.810 ± 0.010 ± 0.000	0.460 ± 0.010 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
C/2014W6-Catalin	LP Comet	1	1	—±—			
	7.952 ± 1.301	0.810 ± 0.010 ± 0.000	0.450 ± 0.010 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
C/2014XB8-PANSTA	LP Comet	1	1	—±—			
	7.035 ± 2.909	0.790 ± 0.030 ± 0.000	0.440 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
C/2015B1-PANSTAR	LP Comet	1	1	—±—			
	7.951 ± 1.301	0.780 ± 0.010 ± 0.000	0.450 ± 0.010 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
Nereid	1	1	—±—				
	1.480 ± 0.868	0.628 ± 0.010 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
P/1991L3-Levy	SP Comet	1	1	13.442 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
P/1993W1-Mueller	SP Comet	1	1	15.648 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
P/1994A1-Kushida	SP Comet	1	1	16.864 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
P/1994J3-Shoemak	SP Comet	1	1	14.667 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
P/1995A1-Jedicke	SP Comet	1	1	14.874 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
P/1996A1-Jedicke	SP Comet	1	1	13.765 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
P/1997C1-Gehrels	SP Comet	1	1	15.451 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
P/1997G1-Montani	SP Comet	1	1	15.270 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
P/1997V1-Larsen	SP Comet	1	1	14.478 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
P/1998S1-LM	SP Comet	1	1	14.143 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
P/1999D1-Hermann	SP Comet	1	1	18.034 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
P/1999RO28-LONEO	SP Comet	1	1	22.259 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
P/2004A1	SP Comet	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
P/2011S1-Gibbs	SP Comet	1	1	—±—			
	21.706 ± 2.909	0.960 ± 0.110 ± 0.000	0.590 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
Phoebe	1	1	—±—				
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Lel+13 nodate ThermalIR tel=S+H hmag=6.63/0.01 emi=0.9/- diam=213/-1.4/+1.4 pV=0.082/-0.002/+0.002 freeta=1.32/-0.04/+0.03 Diameter from 2010Icar..208..395, albedo from 2008Icar..193..309B Phoebe 609 Saturn IX						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[(1)] Grt $\pm\sigma$	Epochs[(2)] B-V $\pm\sigma\pm d$	Multiple[(3)] V-R $\pm\sigma\pm d$	M11 $\pm\sigma$ R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
Sycorax	1	1	—±—				
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Lel+13 nodate ThermalIR tel=H hmag=7.83/0.06 emi=0.9/- diam=165/-42/+36 pV=0.049/-0.017/+0.038 freeta=1.26/-0.78/+0.92 717 Uranus XVII						
1P/Halley	SP Comet	2	1	13.558 ± 0.596			
	4.266 ± 2.015	0.720 ± 0.040 ± 0.000	0.410 ± 0.030 ± 0.000	0.390 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—
2P/Encke	SP Comet	6	1	15.207 ± 0.596			
	5.117 ± 2.574	0.780 ± 0.020 ± 0.000	0.424 ± 0.053 ± 0.032	0.408 ± 0.060 ± 0.034	—±—±—	—±—±—	—±—±—
4P/Faye	SP Comet	2	1	16.020 ± 0.009			
	7.951 ± 0.000	—±—±—	0.450 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
6P/dArrest	SP Comet	3	1	16.239 ± 0.009			
	13.264 ± 2.147	0.770 ± 0.040 ± 0.000	0.563 ± 0.067 ± 0.033	0.450 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—
7P/PW	SP Comet	2	1	15.185 ± 0.009			
	4.264 ± 2.620	—±—±—	0.400 ± 0.050 ± 0.000	0.410 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—
8P/Tuttle	SP Comet	2	1	12.799 ± 0.009			
	15.869 ± 2.326	0.890 ± 0.040 ± 0.000	0.530 ± 0.040 ± 0.000	0.530 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—
9P/Tempel1	SP Comet	14	1	14.560 ± 0.460			
	9.959 ± 0.826	—±—±—	0.468 ± 0.010 ± 0.006	0.469 ± 0.013 ± 0.006	—±—±—	—±—±—	—±—±—
10P/Tempel2	SP Comet	10	1	14.287 ± 0.304			
	13.740 ± 1.578	0.800 ± 0.020 ± 0.000	0.521 ± 0.037 ± 0.017	0.520 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—
14P/Wolf	SP Comet	2	1	15.423 ± 0.009			
	17.666 ± 3.210	—±—±—	0.570 ± 0.070 ± 0.000	0.510 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—
15P/Finlay	SP Comet	1	1	17.488 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
16P/Brooks2	SP Comet	1	1	16.107 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
17P/Holmes	SP Comet	2	1	16.094 ± 0.009			
	18.608 ± 0.000	—±—±—	0.560 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
19P/Borrelly	SP Comet	1	1	15.860 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
21P/GZ	SP Comet	2	1	17.259 ± 0.009			
	12.661 ± 2.057	0.800 ± 0.030 ± 0.000	0.500 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
22P/Kopff	SP Comet	4	1	16.093 ± 0.156			
	12.577 ± 2.730	0.795 ± 0.056 ± 0.025	0.519 ± 0.046 ± 0.012	0.450 ± 0.055 ± 0.039	—±—±—	—±—±—	—±—±—
24P/Schaumasse	SP Comet	1	1	17.744 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
26P/GS	SP Comet	2	1	16.642 ± 0.136			
	5.227 ± 0.000	—±—±—	0.420 ± 0.139 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
28P/Neujmin1	SP Comet	11	1	12.580 ± 0.009			
	9.967 ± 4.007	—±—±—	0.494 ± 0.072 ± 0.015	0.440 ± 0.079 ± 0.026	—±—±—	—±—±—	—±—±—
30P/Reinmuth1	SP Comet	1	1	14.602 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
31P/SW2	SP Comet	1	1	14.803 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
32P/ComasSola	SP Comet	1	1	14.478 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1] Grt $\pm\sigma$	Epochs[2] B-V $\pm\sigma\pm d$	Multiple[3] V-R $\pm\sigma\pm d$	M11 $\pm\sigma$ R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
33P/Daniel	SP Comet	1	1	17.053 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
36P/Whipple	SP Comet	1	1	15.432 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
37P/Forbes	SP Comet	2	1	17.348 ± 0.009			
	3.181 ± 2.015	—±—±—	0.290 ± 0.030 ± 0.000	0.660 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—
39P/Oterma	SP Comet	3	1	12.464 ± 0.009			
	3.094 ± 3.964	0.890 ± 0.070 ± 0.000	0.386 ± 0.063 ± 0.027	0.412 ± 0.114 ± 0.057	—±—±—	—±—±—	—±—±—
	J09 Cometary activity						
	J09 Dynamically a Centaur						
40P/Vaisala1	SP Comet	1	1	15.983 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
41P/TG	SP Comet	1	1	18.034 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
42P/Neujmin3	SP Comet	1	1	17.259 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
43P/WH	SP Comet	1	1	15.983 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
44P/Reinmuth2	SP Comet	2	1	16.225 ± 0.009			
	24.892 ± 0.000	—±—±—	0.620 ± 0.080 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
45P/HMP	SP Comet	2	1	17.744 ± 0.009			
	0.768 ± 2.444	1.080 ± 0.050 ± 0.000	0.440 ± 0.050 ± 0.000	0.210 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—
46P/Wirtanen	SP Comet	3	1	18.369 ± 0.009			
	4.079 ± 0.000	—±—±—	0.407 ± 0.081 ± 0.047	—±—±—	—±—±—	—±—±—	—±—±—
47P/AJ	SP Comet	2	1	15.024 ± 0.009			
	3.451 ± 7.417	0.780 ± 0.080 ± 0.000	0.400 ± 0.080 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
48P/Johnson	SP Comet	1	1	14.970 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
49P/AR	SP Comet	3	1	14.120 ± 0.277			
	9.452 ± 2.141	0.770 ± 0.030 ± 0.000	0.471 ± 0.032 ± 0.003	0.444 ± 0.064 ± 0.036	1.630 ± 0.200 ± 0.000	0.360 ± 0.141 ± 0.000	0.140 ± 0.141 ± 0.000
50P/Arend	SP Comet	2	1	17.371 ± 0.009			
	24.132 ± 4.627	—±—±—	0.810 ± 0.100 ± 0.000	0.260 ± 0.090 ± 0.000	—±—±—	—±—±—	—±—±—
51P/Harrington	SP Comet	1	1	15.648 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
52P/HA	SP Comet	1	1	16.690 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
53P/VanBiesbroec	SP Comet	2	1	14.647 ± 0.009			
	-2.672 ± 0.000	—±—±—	0.328 ± 0.081 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
55P/TT	SP Comet	2	1	15.543 ± 0.482			
	10.765 ± 2.444	0.750 ± 0.050 ± 0.000	0.510 ± 0.050 ± 0.000	0.420 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—
56P/SB	SP Comet	1	1	16.294 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
57P/dTND	SP Comet	1	1	16.239 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
58P/JN	SP Comet	1	1	18.369 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1]	Epochs[2]	Multiple[3]	M11 ±σ			
	Grt ±σ	B-V ±σ ± d	V-R ±σ ± d	R-I ±σ ± d	V-J ±σ ± d	J-H ±σ ± d	H-K ±σ ± d
59P/KK	SP Comet	2	1	17.771 ± 0.009			
	12.937 ± 3.558	—±—±—	0.620 ± 0.070 ± 0.000	0.270 ± 0.080 ± 0.000	—±—±—	—±—±—	—±—±—
60P/Tsuchinshan2	SP Comet	1	1	17.744 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
61P/SS	SP Comet	1	1	18.229 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
62P/Tsuchinshan1	SP Comet	1	1	17.744 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
63P/Wild1	SP Comet	2	1	16.453 ± 0.009			
	10.054 ± 2.273	—±—±—	0.500 ± 0.050 ± 0.000	0.420 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—
64P/SG	SP Comet	1	1	16.239 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
65P/Gunn	SP Comet	1	1	13.853 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
67P/CG	SP Comet	2	1	15.754 ± 0.009			
	13.630 ± 0.000	—±—±—	0.510 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
68P/Klemola	SP Comet	1	1	15.547 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
69P/Taylor	SP Comet	1	1	14.947 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
70P/Kojima	SP Comet	2	1	15.912 ± 0.009			
	22.758 ± 0.000	—±—±—	0.600 ± 0.090 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
71P/Clark	SP Comet	2	1	18.097 ± 0.009			
	27.065 ± 0.000	—±—±—	0.640 ± 0.070 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
72P/DF	SP Comet	1	1	17.744 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
73P/SW3	SP Comet	1	1	16.850 ± 0.050			
	10.751 ± 0.000	—±—±—	0.480 ± 0.235 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
73P/SW3C	SP Comet	1	1	18.097 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
74P/SC	SP Comet	1	1	15.518 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
75P/Kohoutek	SP Comet	1	1	15.754 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
76P/WKI	SP Comet	1	1	19.667 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
77P/Longmore	SP Comet	1	1	15.358 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
78P/Gehrels2	SP Comet	1	1	16.498 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
79P/dTH	SP Comet	1	1	16.529 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
81P/Wild2	SP Comet	1	1	15.754 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
82P/Gehrels3	SP Comet	1	1	17.943 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—

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Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1]	Epochs[2]	Multiple[3]	M11 $\pm\sigma$			
	Grt $\pm\sigma$	B-V $\pm\sigma\pm d$	V-R $\pm\sigma\pm d$	R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
84P/Giclas	SP Comet	2	1	17.488 ± 0.009			
	-3.328 ± 0.000	—±—±—	0.320 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
86P/Wild3	SP Comet	3	1	19.092 ± 0.009			
	18.135 ±35.399	1.580 ± 0.080 ± 0.000	0.555 ± 0.385 ± 0.366	—±—±—	—±—±—	—±—±—	—±—±—
87P/Bus	SP Comet	2	1	20.024 ± 0.009			
	16.889 ± 0.000	—±—±—	0.543 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
88P/Howell	SP Comet	1	1	15.866 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
89P/Russell2	SP Comet	1	1	16.864 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
90P/Gehrels1	SP Comet	1	1	14.602 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
91P/Russell3	SP Comet	1	1	16.690 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
92P/Sanguin	SP Comet	2	1	16.882 ± 0.009			
	16.937 ± 1.982	—±—±—	0.540 ± 0.040 ± 0.000	0.540 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—
93P/HL	SP Comet	1	1	—±—			
	-7.552 ± 0.000	—±—±—	0.267 ± 0.075 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
94P/Russell4	SP Comet	1	1	15.866 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
96P/Machholz1	SP Comet	2	1	14.734 ± 0.009			
	6.036 ± 0.000	—±—±—	0.429 ± 0.027 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
97P/MB	SP Comet	1	1	16.107 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
98P/Takamizawa	SP Comet	1	1	14.418 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
99P/Kowal1	SP Comet	1	1	13.853 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
100P/Hartley1	SP Comet	1	1	16.690 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
101P/Chernykh	SP Comet	1	1	15.358 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
103P/Hartley2	SP Comet	1	1	17.744 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
104P/Kowal2	SP Comet	1	1	17.259 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
105P/SB	SP Comet	1	1	17.259 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
106P/Schuster	SP Comet	2	1	17.394 ± 0.009			
	12.396 ± 2.913	1.010 ± 0.060 ± 0.000	0.520 ± 0.060 ± 0.000	0.450 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—
107P/WH	SP Comet	6	1	15.865 ± 0.220			
	0.119 ± 4.538	0.674 ± 0.089 ± 0.070	0.361 ± 0.048 ± 0.042	—±—±—	—±—±—	—±—±—	—±—±—
109P/ST	SP Comet	2	1	12.002 ± 0.376			
	18.608 ± 0.000	—±—±—	0.560 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
110P/Hartley3	SP Comet	2	1	15.597 ± 0.009			
	30.401 ± 0.000	—±—±—	0.670 ± 0.090 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1]	Epochs[2]	Multiple[3]	M11 ±σ			
	Grt ±σ	B-V ±σ ± d	V-R ±σ ± d	R-I ±σ ± d	V-J ±σ ± d	J-H ±σ ± d	H-K ±σ ± d
111P/HRC	SP Comet	1	1	18.369 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
112P/UN	SP Comet	2	1	17.488 ± 0.009			
	15.593 ± 0.000	—±—±—	0.530 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
113P/Spitaler	SP Comet	1	1	17.053 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
114P/WS	SP Comet	2	1	17.799 ± 0.009			
	12.158 ± 1.087	0.850 ± 0.030 ± 0.000	0.460 ± 0.020 ± 0.000	0.540 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—
115P/Maury	SP Comet	1	1	17.033 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
116P/Wild4	SP Comet	1	1	14.539 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
117P/HRA	SP Comet	1	1	14.304 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
118P/SL	SP Comet	1	1	15.358 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
119P/PH	SP Comet	1	1	15.270 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
120P/Mueller1	SP Comet	1	1	16.379 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
121P/SH	SP Comet	1	1	16.212 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
123P/WH	SP Comet	1	1	15.547 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
124P/Mrkos	SP Comet	1	1	16.239 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
125P/Spacewatch	SP Comet	1	1	17.744 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
126P/IRAS	SP Comet	1	1	16.280 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
128P/SH	SP Comet	1	1	15.451 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
129P/SL	SP Comet	1	1	15.358 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
130P/McNH	SP Comet	1	1	15.983 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
131P/Mueller2	SP Comet	1	1	17.744 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
132P/HRA	SP Comet	1	1	17.488 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
134P/KV	SP Comet	1	1	16.529 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
135P/SL	SP Comet	1	1	16.239 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
136P/Mueller3	SP Comet	1	1	15.866 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1]	Epochs[2]	Multiple[3]	M11 $\pm\sigma$			
	Grt $\pm\sigma$	B-V $\pm\sigma \pm d$	V-R $\pm\sigma \pm d$	R-I $\pm\sigma \pm d$	V-J $\pm\sigma \pm d$	J-H $\pm\sigma \pm d$	H-K $\pm\sigma \pm d$
137P/SL	SP Comet	1	1	14.947 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
138P/SL	SP Comet	1	1	17.744 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
139P/VO	SP Comet	1	1	15.185 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
140P/BS	SP Comet	1	1	15.451 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
141P/Machholz2	SP Comet	1	1	17.259 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
143P/KM	SP Comet	5	1	13.598 ± 0.009			
	20.354 ± 1.102	0.820 ± 0.023 ± 0.012	0.580 ± 0.020 ± 0.000	0.560 ± 0.021 ± 0.006	—±—±—	—±—±—	—±—±—
144P/Kushida	SP Comet	1	1	16.864 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
147P/KM	SP Comet	1	1	20.648 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
148P/AL	SP Comet	1	1	15.648 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
152P/HL	SP Comet	1	1	13.946 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
154P/Brewington	SP Comet	1	1	16.379 ± 0.009			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
166P/2001T4	Centaur	2	1	—±—			
	36.293 ± 1.976	0.870 ± 0.040 ± 0.000	0.695 ± 0.030 ± 0.005	0.735 ± 0.060 ± 0.045	—±—±—	—±—±—	—±—±—
	J09 Cometary activity						
	J09 Dynamically a Centaur						
166P/NEAT	SP Comet	1	1	—±—			
	18.607 ± 2.909	0.890 ± 0.110 ± 0.000	0.560 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
167P/2004PY42	SP Comet	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
167P/CINEOS	SP Comet	5	1	—±—			
	15.631 ± 1.938	0.758 ± 0.043 ± 0.019	0.516 ± 0.049 ± 0.035	0.504 ± 0.050 ± 0.044	—±—±—	—±—±—	—±—±—
204P/Wild2	SP Comet	1	1	—±—			
	—±—	—±—±—	—±—±—	0.436 ± 0.093 ± 0.000	—±—±—	—±—±—	—±—±—
1172-Aneas	J.Trojan	2	1	8.688 ± 0.042			
	9.261 ± 0.863	0.727 ± 0.030 ± 0.000	0.510 ± 0.022 ± 0.000	0.400 ± 0.030 ± 0.000	1.577 ± 0.036 ± 0.000	0.430 ± 0.042 ± 0.000	0.135 ± 0.036 ± 0.000
1173-Anchises	J.Trojan	1	1	8.821 ± 0.059			
	4.286 ± 1.443	0.811 ± 0.034 ± 0.000	0.402 ± 0.035 ± 0.000	0.403 ± 0.052 ± 0.000	—±—±—	—±—±—	—±—±—
1647-Menelaus	J.Trojan	1	1	—±—			
	6.803 ± 1.630	—±—±—	0.428 ± 0.043 ± 0.000	0.438 ± 0.061 ± 0.000	—±—±—	—±—±—	—±—±—
1871-Astyanax	J.Trojan	3	1	11.185 ± 0.093			
	7.777 ± 2.485	0.716 ± 0.071 ± 0.000	0.456 ± 0.053 ± 0.000	0.424 ± 0.089 ± 0.000	1.422 ± 0.103 ± 0.092	0.373 ± 0.053 ± 0.026	0.123 ± 0.040 ± 0.014
1994 ES_2	Classic Cd	1	1	7.503 ± 0.130			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
1994 EV_3	Classic Cd	4	1	7.043 ± 0.177			
	30.400 ± 7.250	1.065 ± 0.110 ± 0.045	0.588 ± 0.156 ± 0.095	0.800 ± 0.126 ± 0.000	—±—±—	—±—±—	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute *R* magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1]	Epochs[2]	Multiple[3]	M11 $\pm\sigma$			
	Grt $\pm\sigma$	B-V $\pm\sigma\pm d$	V-R $\pm\sigma\pm d$	R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
1994 TA	Centaur	2	1	11.433 ± 0.126			
	31.545 ± 6.243	1.261 ± 0.139 ± 0.045	0.672 ± 0.080 ± 0.020	0.740 ± 0.210 ± 0.000	—±—±—	—±—±—	—±—±—
1995 DB_2	Classic Cd	2	1	8.053 ± 0.120			
	54.335 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
1995 DC_2	Classic Cd	5	1	6.803 ± 0.204			
	35.475 ± 7.654	—±—±—	0.770 ± 0.160 ± 0.000	0.580 ± 0.160 ± 0.000	—±—±—	—±—±—	—±—±—
1995 FB_{21}	Classic Cd	4	1	7.017 ± 0.099			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
1995 HM_5	Res. 3:2	8	1	7.839 ± 0.109			
	9.432 ± 3.661	0.649 ± 0.102 ± 0.032	0.460 ± 0.097 ± 0.029	0.428 ± 0.126 ± 0.060	—±—±—	1.180 ± 0.470 ± 0.000	—±—±—
	Ful+08 TAXO=BR						
1996 KV_1	Classic Ht	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.430 ± 0.256 ± 0.000	—±—±—
1996 RQ_{20}	Classic Ht	7	1	6.877 ± 0.100			
	22.364 ± 4.307	0.935 ± 0.141 ± 0.022	0.558 ± 0.096 ± 0.044	0.591 ± 0.109 ± 0.036	—±—±—	0.380 ± 0.226 ± 0.000	—±—±—
	Ful+08 TAXO=IR-RR						
	RB07 FAMILY=2003EL61 IR colors inconsistent with family						
1996 RR_{20}	Res. 3:2	4	1	6.815 ± 0.251			
	36.278 ± 5.193	1.143 ± 0.106 ± 0.018	0.730 ± 0.095 ± 0.023	0.628 ± 0.125 ± 0.065	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
1996 TC_{68}	Classic Ht	1	1	6.734 ± 0.073			
	22.758 ± 0.000	—±—±—	0.600 ± 0.078 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
1996 TK_{66}	Classic Cd	4	1	6.196 ± 0.117			
	29.906 ± 4.054	0.993 ± 0.062 ± 0.024	0.680 ± 0.067 ± 0.041	0.551 ± 0.097 ± 0.052	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
1996 TS_{66}	Classic Ht	8	1	5.953 ± 0.131			
	26.561 ± 4.871	1.028 ± 0.079 ± 0.045	0.672 ± 0.106 ± 0.083	0.637 ± 0.088 ± 0.024	1.824 ± 0.178 ± 0.014	0.650 ± 0.071 ± 0.000	—±—±—
	Ful+08 TAXO=RR						
	Vil+14 nodate ThermalIR tel=S hmag=6.5/0.05 emi=0.9/- diam=159/-46/+44 pV=0.179/-0.07/+0.173 freeta=0.75/-0.27/+0.21 Hmag not explicitly given in reference						
1997 CT_{29}	Classic Cd	4	1	6.449 ± 0.173			
	32.698 ± 4.508	—±—±—	0.762 ± 0.105 ± 0.023	0.490 ± 0.120 ± 0.000	—±—±—	0.410 ± 0.238 ± 0.000	—±—±—
1997 GA_{45}	Classic Ht	1	1	7.728 ± 0.500			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
1997 QH_4	Classic Ht	4	1	7.134 ± 0.175			
	27.144 ± 4.569	1.088 ± 0.143 ± 0.057	0.641 ± 0.092 ± 0.032	0.631 ± 0.107 ± 0.011	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
1997 RL_{13}	Classic Ht	1	1	9.361 ± 0.300			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
1997 RX_9	Classic Ht	1	1	7.807 ± 0.100			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	RB07 FAMILY=2003EL61						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[(1)] Grt $\pm\sigma$	Epochs[(2)] B-V $\pm\sigma \pm d$	Multiple[(3)] V-R $\pm\sigma \pm d$	M11 $\pm\sigma$ R-I $\pm\sigma \pm d$	V-J $\pm\sigma \pm d$	J-H $\pm\sigma \pm d$	H-K $\pm\sigma \pm d$
1998 FS$_{144}$	Classic Ht	4	1	6.712 ± 0.105			
	23.851 ± 3.089	0.950 ± 0.044 ± 0.020	0.588 ± 0.060 ± 0.035	0.510 ± 0.085 ± 0.000	—±—±—	0.390 ± 0.228 ± 0.000	—±—±—
1998 KS$_{65}$	Classic Cd	2	1	7.167 ± 0.040			
	26.148 ± 1.858	1.090 ± 0.040 ± 0.000	0.640 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
1998 KY$_{61}$	Classic Cd	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.350 ± 0.278 ± 0.000	—±—±—
1998 UR$_{43}$	Res. 3:2	4	1	8.131 ± 0.134			
	14.450 ± 7.356	0.784 ± 0.101 ± 0.000	0.583 ± 0.120 ± 0.043	0.354 ± 0.175 ± 0.104	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR						
1998 WS$_{31}$	Res. 3:2	2	1	7.936 ± 0.204			
	18.736 ± 6.008	0.726 ± 0.080 ± 0.000	0.606 ± 0.102 ± 0.024	0.439 ± 0.172 ± 0.145	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR						
1998 WU$_{24}$	Centaur	1	1	—±—			
	12.934 ± 1.361	0.780 ± 0.034 ± 0.000	0.530 ± 0.037 ± 0.000	0.460 ± 0.051 ± 0.000	1.670 ± 0.043 ± 0.000	0.430 ± 0.125 ± 0.000	0.240 ± 0.189 ± 0.000
	Ful+08 TAXO=BR						
1998 WV$_{24}$	Classic Cd	2	2	7.131 ± 0.067			
	11.777 ± 3.357	0.770 ± 0.010 ± 0.000	0.502 ± 0.058 ± 0.004	0.450 ± 0.106 ± 0.000	—±—±—	—±—±—	—±—±—
1998 WV$_{31}$	Res. 3:2	2	1	7.644 ± 0.072			
	13.835 ± 4.507	0.790 ± 0.099 ± 0.044	0.521 ± 0.075 ± 0.008	0.481 ± 0.144 ± 0.105	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR						
1998 WW$_{31}$	Classic Ht	1	2	—±—			
	8.864 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
1998 WW$_{31}$ B	Classic Ht	1	2	—±—			
	2.628 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
1998 WX$_{24}$	Classic Cd	2	1	6.244 ± 0.099			
	30.875 ± 3.793	1.090 ± 0.050 ± 0.000	0.727 ± 0.086 ± 0.041	0.500 ± 0.092 ± 0.000	—±—±—	—±—±—	—±—±—
1998 WX$_{31}$	Classic Cd	3	1	6.161 ± 0.095			
	29.252 ± 3.312	—±—±—	0.638 ± 0.083 ± 0.034	0.653 ± 0.081 ± 0.010	—±—±—	0.400 ± 0.235 ± 0.000	—±—±—
1998 WY$_{24}$	Classic Cd	2	1	6.443 ± 0.086			
	29.094 ± 3.185	—±—±—	0.620 ± 0.092 ± 0.000	0.680 ± 0.078 ± 0.000	—±—±—	0.400 ± 0.240 ± 0.000	—±—±—
1998 WZ$_{31}$	Res. 3:2	3	1	8.049 ± 0.115			
	6.687 ± 4.513	0.727 ± 0.093 ± 0.000	0.489 ± 0.114 ± 0.032	0.339 ± 0.114 ± 0.040	—±—±—	0.400 ± 0.234 ± 0.000	—±—±—
	Ful+08 TAXO=BB						
1999 CB$_{119}$	Classic Ht	1	1	6.731 ± 0.076			
	33.869 ± 2.678	1.212 ± 0.102 ± 0.000	0.714 ± 0.076 ± 0.000	0.645 ± 0.062 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
1999 CF$_{119}$	Detached	3	1	6.929 ± 0.133			
	14.704 ± 4.163	—±—±—	0.622 ± 0.115 ± 0.071	0.365 ± 0.106 ± 0.026	—±—±—	0.380 ± 0.226 ± 0.000	—±—±—
	Ful+08 TAXO=BR						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute *R* magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[(1)] / Grt $\pm\sigma$	Epochs[(2)] / B-V $\pm\sigma\pm d$	Multiple[(3)] / V-R $\pm\sigma\pm d$	M11 $\pm\sigma$ / R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
1999 CH_{119}	Classic Ht	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.320 ± 0.266 ± 0.000	—±—±—
1999 CJ_{119}	Classic Cd	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.450 ± 0.265 ± 0.000	—±—±—
1999 CL_{119}	Classic Ht	2	1	5.697 ± 0.072			
	19.530 ± 3.359	—±—±—	0.497 ± 0.077 ± 0.000	0.665 ± 0.094 ± 0.000	—±—±—	0.450 ± 0.282 ± 0.000	—±—±—
1999 CQ_{133}	Classic Ht	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.460 ± 0.282 ± 0.000	—±—±—
1999 CX_{131}	Res.other	3	1	6.907 ± 0.107			
	19.520 ± 4.293	0.918 ± 0.124 ± 0.000	0.664 ± 0.128 ± 0.068	0.434 ± 0.105 ± 0.020	—±—±—	0.370 ± 0.238 ± 0.000	—±—±—
	Ful+08 TAXO=RR						
1999 HJ_{12}	Classic Cd	2	1	—±—			
	30.391 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	0.480 ± 0.598 ± 0.000	—±—±—
1999 HS_{11}	Classic Cd	3	1	6.326 ± 0.079			
	31.102 ± 3.766	1.121 ± 0.082 ± 0.030	0.698 ± 0.056 ± 0.024	0.600 ± 0.090 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
1999 HV_{11}	Classic Cd	1	1	6.997 ± 0.050			
	21.706 ± 2.057	1.110 ± 0.060 ± 0.000	0.590 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
1999 LE_{31}	Centaur	2	1	12.638 ± 0.214			
	12.083 ± 1.843	0.748 ± 0.038 ± 0.004	0.467 ± 0.042 ± 0.027	0.521 ± 0.046 ± 0.024	—±—±—	—±—±—	—±—±—
1999 OD_4	Classic Ht	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.460 ± 0.282 ± 0.000	—±—±—
1999 OH_4	Classic Ht	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.330 ± 0.328 ± 0.000	—±—±—
	RB07 FAMILY=2003EL61 IR colors inconsistent with family						
1999 OJ_4	Classic Cd	5	2	6.914 ± 0.062			
	26.192 ± 3.113	1.098 ± 0.157 ± 0.125	0.668 ± 0.072 ± 0.020	0.549 ± 0.073 ± 0.010	—±—±—	0.230 ± 0.197 ± 0.000	—±—±—
	Ful+08 TAXO=RR						
1999 OJ_4 B	Classic Cd	1	2	—±—			
	34.360 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
1999 RC_{215}	Classic Cd	2	1	6.576 ± 0.126			
	33.893 ± 4.703	—±—±—	0.810 ± 0.134 ± 0.000	0.520 ± 0.120 ± 0.000	—±—±—	0.320 ± 0.225 ± 0.000	—±—±—
1999 RT_{214}	Classic Cd	1	1	—±—			
	35.732 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
1999 RX_{214}	Classic Ht	3	1	6.418 ± 0.052			
	20.207 ± 2.817	1.054 ± 0.072 ± 0.000	0.593 ± 0.065 ± 0.000	0.530 ± 0.066 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
1999 TR_{11}	Res. 3:2	2	1	8.150 ± 0.152			
	37.093 ± 4.048	1.020 ± 0.080 ± 0.000	0.750 ± 0.097 ± 0.000	0.650 ± 0.122 ± 0.000	—±—±—	—±—±—	—±—±—
1999 XY_{143}	Classic Ht	1	2	5.926 ± 0.065			
	26.014 ± 2.399	—±—±—	0.590 ± 0.071 ± 0.000	0.660 ± 0.064 ± 0.000	—±—±—	—±—±—	—±—±—
2000 AF_{255}	Detached	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.460 ± 0.265 ± 0.000	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class(1)	Epochs(2)	Multiple(3)	M11 $\pm\sigma$			
	Grt $\pm\sigma$	B-V $\pm\sigma\pm d$	V-R $\pm\sigma\pm d$	R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
2000 CE_{105}	Classic Cd	2	1	—±—			
	14.512 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	0.160 ± 0.184 ± 0.000	—±—±—
2000 CF_{105}	Classic Cd	6	2	—±—			
	24.245 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	0.400 ± 0.266 ± 0.000	—±—±—
2000 CF_{105} B	Classic Cd	1	2	—±—			
	21.377 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2000 CG_{105}	Classic Ht	2	1	6.655 ± 0.136			
	18.711 ± 4.970	—±—±—	0.530 ± 0.149 ± 0.000	0.590 ± 0.142 ± 0.000	—±—±—	0.510 ± 0.298 ± 0.000	—±—±—
	RB07 FAMILY=2003EL61 IR colors inconsistent with family						
	SNO+10 magR FAMILY=2003EL61 LIGHTCURVE==0.45						
2000 CK_{105}	Res. 3:2	2	1	6.367 ± 0.118			
	25.479 ± 4.225	—±—±—	0.590 ± 0.127 ± 0.000	0.650 ± 0.114 ± 0.000	—±—±—	0.390 ± 0.256 ± 0.000	—±—±—
2000 CL_{104}	Classic Cd	4	1	6.638 ± 0.229			
	23.634 ± 4.673	1.223 ± 0.167 ± 0.000	0.600 ± 0.119 ± 0.058	0.612 ± 0.128 ± 0.089	—±—±—	0.450 ± 0.285 ± 0.000	—±—±—
	Ful+08 TAXO=RR						
2000 CO_{105}	Classic Ht	2	1	5.593 ± 0.078			
	22.327 ± 2.904	—±—±—	0.620 ± 0.085 ± 0.000	0.550 ± 0.078 ± 0.000	—±—±—	0.380 ± 0.228 ± 0.000	—±—±—
2000 CP_{104}	Classic Ht	2	1	—±—			
	18.106 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	0.440 ± 0.289 ± 0.000	—±—±—
2000 FS_{53}	Classic Cd	2	1	7.295 ± 0.080			
	34.603 ± 1.976	1.060 ± 0.040 ± 0.000	0.710 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2000 FV_{53}	Res. 3:2	1	1	7.543 ± 0.087			
	17.018 ± 4.070	—±—±—	0.448 ± 0.094 ± 0.000	0.679 ± 0.116 ± 0.000	—±—±—	—±—±—	—±—±—
2000 FZ_{53}	Centaur	2	1	10.974 ± 0.085			
	14.413 ± 3.939	—±—±—	0.686 ± 0.090 ± 0.000	0.238 ± 0.103 ± 0.050	—±—±—	—±—±—	—±—±—
2000 GM_{137}	Centaur	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Duf+14 nodate ThermalIR tel=S hmag=14.36/0.38 emi=0.9/- diam=8.6/-1.5/+1.5 pV=0.043/-0.016/+0.026 fixeta=1.2/-0.35/+0.35						
2000 GV_{146}	Classic Cd	1	1	—±—			
	35.732 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2000 HE_{46}	Centaur	1	1	16.213 ± 0.020			
	12.317 ± 3.210	0.870 ± 0.060 ± 0.000	0.550 ± 0.070 ± 0.000	0.400 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—
2000 KK_4	Classic Ht	3	1	5.978 ± 0.103			
	17.291 ± 2.477	0.910 ± 0.040 ± 0.000	0.580 ± 0.102 ± 0.091	0.640 ± 0.064 ± 0.000	1.790 ± 0.106 ± 0.000	—±—±—	—±—±—
2000 KL_4	Classic Ht	1	1	—±—			
	27.864 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2000 OU_{69}	Classic Cd	3	1	6.840 ± 0.120			
	10.128 ± 0.000	—±—±—	0.473 ± 0.130 ± 0.021	—±—±—	—±—±—	0.400 ± 0.235 ± 0.000	—±—±—
2000 PD_{30}	Classic Cd	2	1	—±—			
	19.719 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	0.560 ± 0.336 ± 0.000	—±—±—
2000 PH_{30}	Detached	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.550 ± 0.361 ± 0.000	—±—±—
2000 QL_{251}	Classic Ht	1	2	—±—			
	6.266 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	MPC08 Resonant 1:2						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class(1) / Grt ±σ	Epochs(2) / B-V ±σ ± d	Multiple(3) / V-R ±σ ± d	M11 ±σ / R-I ±σ ± d	V-J ±σ ± d	J-H ±σ ± d	H-K ±σ ± d
2000 QL_{251} B	Classic Ht	1	2	—±—			
	12.082 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2001 FL_{185}	Classic Cd	1	1	—±—			
	23.082 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2001 FM_{194}	Detached	1	1	7.575 ± 0.040			
	7.035 ± 2.909	0.760 ± 0.030 ± 0.000	0.440 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2001 KA_{77}	Classic Ht	5	1	5.048 ± 0.094			
	37.758 ± 3.264	1.104 ± 0.107 ± 0.062	0.704 ± 0.064 ± 0.024	0.716 ± 0.120 ± 0.103	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
	Vil+14 nodate ThermalIR tel=S+H hmag=5.64/0.12 emi=0.9/- diam=310/-60/+170 pV=0.099/-0.056/+0.052 freeta=2.52/-0.83/+0.18						
2001 KD_{77}	Res. 3:2	10	1	5.922 ± 0.104			
	24.005 ± 2.575	1.123 ± 0.054 ± 0.006	0.624 ± 0.070 ± 0.024	0.565 ± 0.069 ± 0.023	2.294 ± 0.092 ± 0.025	0.366 ± 0.141 ± 0.014	—±—±—
	Ful+08 TAXO=RR						
	Mom+12 nodate ThermalIR tel=H hmag=6.42/0.08 emi=0.9/- diam=232.3/-39.4/+40.5 pV=0.089/-0.027/+0.044 fixeta=1.2/-0.35/+0.35						
2001 KG_{77}	Scattered	1	1	8.335 ± 0.120			
	7.032 ± 5.595	0.810 ± 0.040 ± 0.000	0.440 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2001 KY_{76}	Res. 3:2	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.390 ± 0.228 ± 0.000	—±—±—
2001 OG_{109}	Classic Cd	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.350 ± 0.300 ± 0.000	—±—±—
2001 OK_{108}	Classic Cd	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.430 ± 0.275 ± 0.000	—±—±—
2001 QC_{298}	Classic Ht	4	2	6.424 ± 0.030			
	10.332 ± 2.434	0.750 ± 0.080 ± 0.000	0.490 ± 0.030 ± 0.000	0.480 ± 0.040 ± 0.000	—±—±—	0.430 ± 0.323 ± 0.000	—±—±—
	RB07 FAMILY=2003EL61 IR colors inconsistent with family						
	SNO+10 magR FAMILY=2003EL61 LIGHTCURVE==0.4						
	Vil+14 nodate ThermalIR tel=S hmag=6.26/0.32 emi=0.9/- diam=303/-30/+27 pV=0.061/-0.017/+0.027 freeta=0.985/-0.095/+0.084						
2001 QC_{298} B	Classic Ht	1	2	—±—			
	6.266 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2001 QR_{322}	Res.other	1	1	—±—			
	6.254 ± 1.266	0.800 ± 0.030 ± 0.000	0.460 ± 0.020 ± 0.000	0.360 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—
	MPC08 Resonant 1:1						
	ST06 Neptune trojan						
2001 QS_{322}	Classic Cd	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Vil+14 nodate ThermalIR tel=S+H hmag=6.91/0.68 emi=0.9/- diam=186/-24/+99 pV=0.095/-0.06/+0.531 fixeta=1.2/-0.35/+0.35						
2001 QW_{322} A	Classic Cd	28	2	7.420 ± 0.086			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2001 QW_{322} B	Classic Cd	27	2	7.421 ± 0.091			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2001 QX_{322}	Detached	3	1	6.391 ± 0.080			
	18.862 ± 5.260	0.914 ± 0.058 ± 0.008	0.562 ± 0.056 ± 0.022	—±—±—	—±—±—	0.410 ± 0.247 ± 0.000	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1]	Epochs[2]	Multiple[3]	M11 $\pm\sigma$			
	Grt $\pm\sigma$	B-V $\pm\sigma\pm d$	V-R $\pm\sigma\pm d$	R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
2001 XU_{254}	Classic Ht	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.370 ± 0.226 ± 0.000	—±—±—
2001 XZ_{255}	Centaur	2	1	10.784 ± 0.080			
	34.900 ± 6.368	1.224 ± 0.091 ± 0.086	0.709 ± 0.068 ± 0.034	—±—±—	—±—±—	—±—±—	—±—±—
2002 CB_{249}	Centaur	1	1	10.587 ± 0.109			
	5.278 ± 4.487	—±—±—	0.492 ± 0.116 ± 0.000	0.300 ± 0.114 ± 0.000	—±—±—	—±—±—	—±—±—
2002 GH_{32}	Classic Ht	2	1	6.080 ± 0.050			
	20.916 ± 3.383	0.990 ± 0.099 ± 0.000	0.570 ± 0.070 ± 0.000	0.590 ± 0.070 ± 0.000	—±—±—	—±—±—	—±—±—
	RB07 FAMILY=2003EL61						
	SNO+10 magR FAMILY=2003EL61 LIGHTCURVE==0.75						
	Vil+14 nodate ThermalIR tel=H hmag=6.58/0.28 emi=0.9/- diam=230/-230/0 pV=0.075/-0/999 fixedeta=1.20+-0.35 Non detection						
2002 PQ_{152}	Centaur	1	1	9.294 ± 0.060			
	36.168 ± 4.691	1.130 ± 0.040 ± 0.000	0.720 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2002 XV_{93}	Res. 3:2	3	1	4.427 ± 0.030			
	1.280 ± 2.106	0.720 ± 0.020 ± 0.000	0.375 ± 0.021 ± 0.005	—±—±—	—±—±—	—±—±—	—±—±—
	Mom+12 nodate ThermalIR tel=S+H hmag=5.42/0.46 emi=0.9/- diam=549.2/-23/+21.7 pV=0.04/-0.015/+0.02 freeta=1.24/-0.06/+0.06						
2003 FZ_{129}	Detached	1	1	6.977 ± 0.020			
	10.329 ± 1.812	0.840 ± 0.057 ± 0.000	0.480 ± 0.040 ± 0.000	0.460 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—
2003 QA_{92}	Classic Cd	1	1	—±—			
	25.973 ± 3.793	1.040 ± 0.030 ± 0.000	0.630 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2003 QD_{112}	Centaur	1	1	11.660 ± 0.030			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	J09 Cometary activity						
2003 QK_{91}	Detached	1	1	6.968 ± 0.030			
	11.829 ± 1.812	0.870 ± 0.057 ± 0.000	0.500 ± 0.040 ± 0.000	0.470 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—
2003 QQ_{91}	Classic Ht	1	1	—±—			
	13.624 ± 7.416	0.670 ± 0.060 ± 0.000	0.510 ± 0.080 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2003 QR_{91}	Classic Ht	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Vil+14 nodate ThermalIR tel=S hmag=6.55/0.56 emi=0.9/- diam=280/-30/+27 pV=0.054/-0.028/+0.035 freeta=1.2/-0.12/+0.1						
2003 QY_{90}	Classic Cd	1	2	—±—			
	32.348 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2003 QY_{90} B	Classic Cd	1	2	—±—			
	32.348 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2003 TJ_{58}	Classic Cd	1	1	—±—			
	19.719 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2003 TJ_{58} B	Classic Cd	1	1	—±—			
	18.639 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2003 UT_{292}	Res. 3:2	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Mom+12 nodate ThermalIR tel=H hmag=6.85/0.68 emi=0.9/- diam=185.6/-18/+17.9 pV=0.067/-0.034/+0.068 fixeta=1.2/-0.35/+0.35						
2003 UY_{291}	Classic Ht	1	1	—±—			
	20.163 ± 3.383	0.880 ± 0.099 ± 0.000	0.510 ± 0.070 ± 0.000	0.670 ± 0.070 ± 0.000	—±—±—	—±—±—	—±—±—
	S10 rotational lightcurve						
	She10 Object showed large light variations indicating possible rotational lc over 0.1						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1]	Epochs[2]	Multiple[3]	M11 $\pm\sigma$			
	Grt $\pm\sigma$	B-V $\pm\sigma \pm d$	V-R $\pm\sigma \pm d$	R-I $\pm\sigma \pm d$	V-J $\pm\sigma \pm d$	J-H $\pm\sigma \pm d$	H-K $\pm\sigma \pm d$
2003 WN_{188}	Centaur	1	1	14.397 ± 0.010			
	11.656 ± 1.266	0.780 ± 0.030 ± 0.000	0.480 ± 0.020 ± 0.000	0.500 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—
2003 WU_{188}	Classic Cd	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Vil+14 nodate ThermalIR tel=H hmag=5.96/0.64 emi=0.9/- diam=220/-220/0 pV=0.15/-0/+999 fixedeta=1.20+-0.35 Non detection						
2004 DA_{62}	Centaur	1	1	13.163 ± 0.020			
	16.136 ± 1.812	0.850 ± 0.060 ± 0.000	0.520 ± 0.040 ± 0.000	0.550 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—
2004 OJ_{14}	Detached	1	1	6.991 ± 0.020			
	15.680 ± 1.525	0.900 ± 0.042 ± 0.000	0.520 ± 0.030 ± 0.000	0.540 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—
2004 PB_{108}	Classic Ht	1	2	—±—			
	19.177 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2004 PB_{108} B	Classic Ht	1	2	—±—			
	21.377 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2004 QQ_{26}	Centaur	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Duf+14 nodate ThermalIR tel=S hmag=9.53/0.36 emi=0.9/- diam=79/-19/+19 pV=0.044/-0.014/+0.039 fixeta=1.2/-0.35/+0.35						
2004 XR_{190}	Detached	1	1	3.938 ± 0.030			
	10.679 ± 1.982	0.790 ± 0.057 ± 0.000	0.450 ± 0.040 ± 0.000	0.520 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—
2005 TN_{53}	Scattered	1	1	—±—			
	10.085 ± 3.731	0.820 ± 0.080 ± 0.000	0.470 ± 0.070 ± 0.000	0.470 ± 0.090 ± 0.000	—±—±—	—±—±—	—±—±—
	ST06 Neptune trojan						
2006 RJ_{103}	Centaur	2	1	7.299 ± 0.211			
	4.346 ± 1.702	0.820 ± 0.030 ± 0.000	0.470 ± 0.030 ± 0.000	0.270 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—
2007 NC_{7}	Scattered	1	1	8.075 ± 0.020			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2007 TJ_{422}	Centaur	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
2007 VH_{305}	Centaur	5	1	11.709 ± 0.091			
	11.430 ± 1.896	0.690 ± 0.030 ± 0.000	0.491 ± 0.027 ± 0.003	0.480 ± 0.064 ± 0.000	—±—±—	0.640 ± 0.156 ± 0.000	-0.370 ± 0.192 ± 0.000
	Bau+13 nodate ThermalIR tel=WISE hmag=8.21/0.3 diam=23.8/-8.0/+8.0 pV=0.070/-0.036/+0.036 fixeta=0.8/-0.384/+0.384						
2008 JS_{14}	Centaur	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=13.2/0.3 diam=14.5/-1.8/+1.8 pV=0.044/-0.019/+0.019 freeta=1.046/-0.186/+0.186						
2009 YG_{19}	Scattered	1	1	5.881 ± 0.050			
	23.819 ± 3.793	1.000 ± 0.040 ± 0.000	0.610 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2010 BK_{118}	Scattered	4	1	10.351 ± 0.030			
	14.529 ± 2.020	0.794 ± 0.027 ± 0.014	0.525 ± 0.030 ± 0.019	0.480 ± 0.042 ± 0.030	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=10.2/0.3 diam=46.4/-1.8/+1.8 pV=0.068/-0.013/+0.013 freeta=0.821/-0.043/+0.043						
2010 BL_{4}	Centaur	2	1	—±—			
	5.692 ± 1.525	0.860 ± 0.050 ± 0.000	0.390 ± 0.030 ± 0.000	0.470 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=11.9/0.3 diam=15.7/-3.2/+3.2 pV=0.114/-0.052/+0.052 fixeta=0.8/-0.333/+0.333						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute *R* magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class(1)	Epochs(2)	Multiple(3)	M11 ±σ			
	Grt ±σ	B-V ±σ ± d	V-R ±σ ± d	R-I ±σ ± d	V-J ±σ ± d	J-H ±σ ± d	H-K ±σ ± d
2010 ES_{65}	Centaur	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=11.8/0.3 diam=26.9/-7.9/+7.9 pV=0.049/-0.024/+0.024 fixeta=0.8/-0.28/+0.28						
2010 FH_{92}	Centaur	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=11.7/0.3 diam=28.0/-0.6/+0.6 pV=0.047/-0.007/+0.007 freeta=0.73/-0.023/+0.023						
2010 GW_{147}	Scattered	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=13.2/0.3 diam=15.9/-0.7/+0.7 pV=0.037/-0.006/+0.006 freeta=0.869/-0.056/+0.056						
2010 GW_{64}	Scattered	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=14.9/0.3 diam=6.42/-0.38/+0.38 pV=0.047/-0.012/+0.012 freeta=0.795/-0.075/+0.075						
2010 JH_{124}	Scattered	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=14.6/0.3 diam=7.04/-0.74/+0.74 pV=0.052/-0.024/+0.024 freeta=0.959/-0.164/+0.164						
2010 OM_{101}	Centaur	2	1	—±—			
	16.526 ± 3.589	0.795 ± 0.056 ± 0.019	0.588 ± 0.093 ± 0.077	0.360 ± 0.070 ± 0.000	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=17.0/0.3 diam=3.12/-0.17/+0.17 pV=0.029/-0.005/+0.005 freeta=1.054/-0.105/+0.105						
2010 OR_{1}	Centaur	2	1	—±—			
	12.588 ± 1.758	0.781 ± 0.043 ± 0.025	0.517 ± 0.029 ± 0.005	0.447 ± 0.037 ± 0.024	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=16.2/0.3 diam=3.25/-0.64/+0.64 pV=0.055/-0.013/+0.013 freeta=0.831/-0.146/+0.146						
2010 TS_{191}	J.Trojan	1	1	7.799 ± 0.030			
	2.578 ± 4.691	0.760 ± 0.040 ± 0.000	0.390 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2010 TT_{191}	J.Trojan	1	1	7.642 ± 0.030			
	9.808 ± 3.793	0.750 ± 0.030 ± 0.000	0.470 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2010 WG_{9}	Scattered	4	1	—±—			
	12.120 ± 2.900	0.781 ± 0.044 ± 0.021	0.492 ± 0.047 ± 0.041	0.458 ± 0.091 ± 0.085	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=8.1/0.3 diam=112.7/-61.9/+61.9 pV=0.074/-0.080/+0.080 fixeta=0.8/-0.423/+0.423						
2011 HM_{102}	Scattered	1	1	7.948 ± 0.080			
	8.382 ± 1.982	0.720 ± 0.040 ± 0.000	0.410 ± 0.040 ± 0.000	0.520 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—
2011 MM_{4}	Centaur	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=9.3/0.3 diam=63.7/-6.2/+6.2 pV=0.083/-0.024/+0.024 freeta=0.841/-0.119/+0.119						
2012 DR_{30}	Scattered	3	1	7.016 ± 0.031			
	13.241 ± 1.341	0.647 ± 0.038 ± 0.000	0.563 ± 0.034 ± 0.000	0.422 ± 0.036 ± 0.000	—±—±—	—±—±—	—±—±—
	Kis+13 nodate ThermalIR tel=H+W hmag=7.04/0.35 emi=0.9/- diam=188/-9.4/+9.4 pV=0.076/-0.025/+0.031 freeta=0.813/-0.062/+0.074 Includes WISE						
2012 VP_{113}	Detached	2	1	3.911 ± 0.030			
	15.284 ± 1.982	0.920 ± 0.064 ± 0.000	0.520 ± 0.040 ± 0.000	0.530 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute *R* magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[(1)] / Grt $\pm\sigma$	Epochs[(2)] / B-V $\pm\sigma\pm d$	Multiple[(3)] / V-R $\pm\sigma\pm d$	M11 $\pm\sigma$ / R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
2012 YO_6	Centaur	1	1	—±—			
	—±—	—±—±—	—±—±—	0.340 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—
2013 AZ_{60}	Scattered	1	1	—±—			
	16.587 ± 1.301	0.820 ± 0.010 ± 0.000	0.540 ± 0.010 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2013 BL_{76}	Scattered	1	1	—±—			
	7.951 ± 4.691	0.920 ± 0.050 ± 0.000	0.450 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2013 BO_{16}	J.Trojan	1	1	16.340 ± 0.060			
	28.167 ± 2.909	1.140 ± 0.080 ± 0.000	0.650 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
	MPC08 Resonant 1:2						
2013 CX_{217}	J.Trojan	1	1	15.484 ± 0.030			
	-6.535 ± 3.793	0.850 ± 0.100 ± 0.000	0.280 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2013 CY_{197}	J.Trojan	1	1	15.603 ± 0.010			
	18.001 ± 1.087	0.880 ± 0.028 ± 0.000	0.510 ± 0.020 ± 0.000	0.610 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—
2013 KY_{18}	J.Trojan	1	1	6.512 ± 0.010			
	0.004 ± 2.056	0.760 ± 0.010 ± 0.000	0.360 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2013 LD_{16}	Scattered	1	1	—±—			
	7.035 ± 2.909	0.860 ± 0.050 ± 0.000	0.440 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2013 NS_{11}	Centaur	1	1	—±—			
	18.602 ± 3.792	0.740 ± 0.020 ± 0.000	0.560 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2013 ST_{39}	J.Trojan	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=12.1/0.3 diam=24.0/-1.5/+1.5 pV=0.044/-0.010/+0.010 freeta=1.22/-0.094/+0.094						
2013 TZ_{158}	J.Trojan	4	1	10.027 ± 0.765			
	14.948 ± 1.099	0.790 ± 0.030 ± 0.000	0.536 ± 0.030 ± 0.020	0.497 ± 0.025 ± 0.015	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=9.0/0.3 diam=46.0/-13.0/+13.0 pV=0.033/-0.015/+0.015 freeta=0.64/-0.29/+0.29						
	J09 Cometary activity, CO-driven. CO+ and CN detected.						
	J09 Dynamically a Centaur						
2013 YG_{48}	Centaur	2	1	—±—			
	14.117 ± 3.820	0.800 ± 0.036 ± 0.030	0.515 ± 0.040 ± 0.035	—±—±—	—±—±—	—±—±—	—±—±—
2014 CW_{14}	Scattered	1	1	—±—			
	13.628 ± 5.596	0.870 ± 0.090 ± 0.000	0.510 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2014 QO_{441}	J.Trojan	1	1	7.793 ± 0.010			
	9.809 ± 2.909	0.750 ± 0.030 ± 0.000	0.470 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
2060-Chiron	Centaur	36	1	6.091 ± 0.068			
	0.026 ± 1.001	0.660 ± 0.055 ± 0.049	0.359 ± 0.018 ± 0.005	0.324 ± 0.024 ± 0.010	1.153 ± 0.100 ± 0.070	0.293 ± 0.078 ± 0.009	0.065 ± 0.093 ± 0.011
	For+13 nodate ThermalIR tel=S+H hmag=5.92/0.2 emi=0.9/- diam=218/-20/+20 pV=0.16/-0.03/+0.03 Includes SPIRE, using a thermophysical model						
	Ful+08 TAXO=BB						
	Mee+09 Cometary activity						
	Rom+03 SPECTRUM=Water ice						
2223-Sarpedon	J.Trojan	1	1	9.213 ± 0.046			
	8.785 ± 1.244	0.753 ± 0.032 ± 0.000	0.465 ± 0.025 ± 0.000	0.440 ± 0.041 ± 0.000	—±—±—	—±—±—	—±—±—
2357-Phereclos	J.Trojan	1	1	8.794 ± 0.078			
	7.601 ± 1.876	0.718 ± 0.059 ± 0.000	0.427 ± 0.045 ± 0.000	0.463 ± 0.068 ± 0.000	—±—±—	—±—±—	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1]	Epochs[2]	Multiple[3]	M11 $\pm\sigma$			
	Grt $\pm\sigma$	B-V $\pm\sigma\pm d$	V-R $\pm\sigma\pm d$	R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
3548-Eurybates	J.Trojan	1	1	—±—			
	-0.087 ± 1.847	0.677 ± 0.052 ± 0.000	0.352 ± 0.045 ± 0.000	0.339 ± 0.067 ± 0.000	—±—±—	—±—±—	—±—±—
4035-1986 WD	J.Trojan	2	1	9.491 ± 0.080			
	10.258 ± 1.995	0.752 ± 0.040 ± 0.000	0.484 ± 0.043 ± 0.011	0.451 ± 0.069 ± 0.002	—±—±—	—±—±—	—±—±—
4829-Sergestus	J.Trojan	1	1	11.061 ± 0.068			
	4.196 ± 1.856	0.851 ± 0.050 ± 0.000	0.420 ± 0.039 ± 0.000	0.372 ± 0.065 ± 0.000	—±—±—	—±—±—	—±—±—
5130-Ilioneus	J.Trojan	1	1	9.678 ± 0.048			
	9.188 ± 1.378	0.763 ± 0.034 ± 0.000	0.481 ± 0.026 ± 0.000	0.424 ± 0.046 ± 0.000	—±—±—	—±—±—	—±—±—
5145-Pholus	Centaur	45	1	7.143 ± 0.078			
	47.951 ± 2.098	1.261 ± 0.121 ± 0.045	0.791 ± 0.037 ± 0.009	0.818 ± 0.060 ± 0.015	2.612 ± 0.048 ± 0.036	0.391 ± 0.047 ± 0.017	-0.037 ± 0.047 ± 0.010
	Cru+98 SPECTRUM=Methanol						
	Duf+14 nodate ThermalIR tel=S+H hmag=7.68/0.28 emi=0.9/- diam=99/-14/+15 pV=0.155/-0.049/+0.076 freeta=0.77/-0.16/+0.16						
	Ful+08 TAXO=RR						
5244-Amphilochos	J.Trojan	1	1	—±—			
	3.187 ± 1.754	—±—±—	0.407 ± 0.044 ± 0.000	0.363 ± 0.064 ± 0.000	—±—±—	—±—±—	—±—±—
5258-1989 AU_1	J.Trojan	1	1	—±—			
	8.233 ± 1.590	—±—±—	0.466 ± 0.041 ± 0.000	0.425 ± 0.059 ± 0.000	—±—±—	—±—±—	—±—±—
5511-Cloanthus	J.Trojan	1	1	10.263 ± 0.047			
	10.774 ± 1.229	0.906 ± 0.027 ± 0.000	0.442 ± 0.027 ± 0.000	0.526 ± 0.042 ± 0.000	—±—±—	—±—±—	—±—±—
6545-1986 TR_6	J.Trojan	1	1	10.190 ± 0.073			
	10.572 ± 1.962	0.734 ± 0.041 ± 0.000	0.499 ± 0.042 ± 0.000	0.436 ± 0.069 ± 0.000	—±—±—	—±—±—	—±—±—
6998-Tithonus	J.Trojan	1	1	11.304 ± 0.059			
	8.155 ± 1.282	0.787 ± 0.040 ± 0.000	0.455 ± 0.032 ± 0.000	0.438 ± 0.046 ± 0.000	—±—±—	—±—±—	—±—±—
7066-Nessus	Centaur	18	1	9.052 ± 0.075			
	39.777 ± 3.448	1.090 ± 0.040 ± 0.000	0.763 ± 0.059 ± 0.024	0.689 ± 0.087 ± 0.017	2.290 ± 0.040 ± 0.000	0.309 ± 0.268 ± 0.058	-0.089 ± 0.385 ± 0.126
	Duf+14 nodate ThermalIR tel=S hmag=9.51/0.22 emi=0.9/- diam=57/-14/+17 pV=0.086/-0.034/+0.075 fixeta=1.2/-0.35/+0.35						
	Ful+08 TAXO=RR						
7352-1994 CO	J.Trojan	1	1	9.892 ± 0.056			
	4.815 ± 1.629	0.713 ± 0.036 ± 0.000	0.417 ± 0.034 ± 0.000	0.397 ± 0.056 ± 0.000	—±—±—	—±—±—	—±—±—
8405-Asbolus	Centaur	44	1	8.996 ± 0.060			
	12.765 ± 1.370	0.738 ± 0.038 ± 0.007	0.508 ± 0.053 ± 0.033	0.505 ± 0.038 ± 0.008	1.654 ± 0.048 ± 0.011	0.386 ± 0.103 ± 0.044	0.170 ± 0.171 ± 0.028
	Duf+14 nodate ThermalIR tel=S+H hmag=9.13/0.25 emi=0.9/- diam=85/-9/+8 pV=0.056/-0.015/+0.019 freeta=0.97/-0.18/+0.14						
	Ful+08 TAXO=BR						
	Ker+00 SPECTRUM=Water ice						
9030-1989 UX_5	J.Trojan	1	1	10.986 ± 0.047			
	11.783 ± 1.115	0.887 ± 0.024 ± 0.000	0.493 ± 0.027 ± 0.000	0.480 ± 0.039 ± 0.000	—±—±—	—±—±—	—±—±—
9430-Erichthonio	J.Trojan	1	1	11.327 ± 0.106			
	10.723 ± 3.060	0.742 ± 0.079 ± 0.000	0.488 ± 0.060 ± 0.000	0.456 ± 0.109 ± 0.000	—±—±—	—±—±—	—±—±—
9818-Eurymachos	J.Trojan	1	1	—±—			
	-0.162 ± 1.824	0.673 ± 0.052 ± 0.000	0.339 ± 0.046 ± 0.000	0.355 ± 0.067 ± 0.000	—±—±—	—±—±—	—±—±—
10199-Chariklo	Centaur	69	1	6.484 ± 0.018			
	13.425 ± 0.908	0.802 ± 0.049 ± 0.025	0.491 ± 0.016 ± 0.004	0.519 ± 0.015 ± 0.004	1.685 ± 0.110 ± 0.104	0.417 ± 0.047 ± 0.010	0.101 ± 0.050 ± 0.013
	For+13 nodate ThermalIR tel=S+H+W hmag=7.4/0.25 emi=0.9/- diam=248/-18/+18 pV=0.035/-0.01/+0.01 Spitzer+Herschel+WISE, using a Thermophysical model						
	Ful+08 TAXO=BR						
	Gui+09 SPECTRUM=Water ice						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[(1)] Grt $\pm\sigma$	Epochs[(2)] B-V $\pm\sigma\pm d$	Multiple[(3)] V-R $\pm\sigma\pm d$	M11 $\pm\sigma$ R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
10370-Hylonome	Centaur	27	1	9.240 ± 0.159			
	9.668 ± 6.478	0.690 ± 0.110 ± 0.068	0.469 ± 0.154 ± 0.057	0.496 ± 0.189 ± 0.064	1.310 ± 0.100 ± 0.000	0.180 ± 0.085 ± 0.000	0.270 ± 0.092 ± 0.000
	Duf+14 nodate ThermalIR tel=S+H hmag=9.51/0.08 emi=0.9/- diam=74/-16/+16 pV=0.051/-0.017/+0.030 freeta=1.29/-0.31/+0.31						
	Ful+08 TAXO=BR						
11089-1994 CS_8	J.Trojan	1	1	10.693 ± 0.098			
	4.732 ± 2.619	0.689 ± 0.073 ± 0.000	0.423 ± 0.056 ± 0.000	0.384 ± 0.094 ± 0.000	—±—±—	—±—±—	—±—±—
11351-Leucus	J.Trojan	1	1	10.756 ± 0.076			
	9.325 ± 2.033	0.739 ± 0.044 ± 0.000	0.498 ± 0.044 ± 0.000	0.402 ± 0.072 ± 0.000	—±—±—	—±—±—	—±—±—
11488-1988 RM_{11}	J.Trojan	2	1	11.470 ± 0.203			
	6.507 ± 2.832	0.777 ± 0.110 ± 0.073	0.436 ± 0.062 ± 0.004	0.420 ± 0.103 ± 0.002	—±—±—	—±—±—	—±—±—
11663-1997 GO_{24}	J.Trojan	1	1	10.853 ± 0.052			
	6.580 ± 1.438	0.837 ± 0.030 ± 0.000	0.409 ± 0.030 ± 0.000	0.463 ± 0.049 ± 0.000	—±—±—	—±—±—	—±—±—
12917-1998 TG_{16}	J.Trojan	2	1	11.458 ± 0.073			
	11.839 ± 1.962	0.724 ± 0.042 ± 0.000	0.537 ± 0.042 ± 0.000	0.410 ± 0.069 ± 0.000	1.707 ± 0.066 ± 0.000	0.475 ± 0.086 ± 0.000	0.205 ± 0.081 ± 0.000
12921-1998 WZ_5	J.Trojan	2	1	10.946 ± 0.073			
	3.492 ± 1.876	0.673 ± 0.040 ± 0.000	0.403 ± 0.047 ± 0.019	0.380 ± 0.068 ± 0.014	—±—±—	—±—±—	—±—±—
13463-Antiphos	J.Trojan	2	1	11.066 ± 0.066			
	7.093 ± 1.913	0.692 ± 0.045 ± 0.000	0.449 ± 0.034 ± 0.000	0.412 ± 0.066 ± 0.000	1.417 ± 0.048 ± 0.000	0.343 ± 0.055 ± 0.000	0.103 ± 0.052 ± 0.000
13862-1999 XT_{160}	J.Trojan	1	1	—±—			
	2.203 ± 1.754	—±—±—	0.381 ± 0.044 ± 0.000	0.370 ± 0.064 ± 0.000	—±—±—	—±—±—	—±—±—
14707-2000 CC_{20}	J.Trojan	2	1	11.358 ± 0.112			
	4.232 ± 1.902	0.752 ± 0.041 ± 0.002	0.412 ± 0.035 ± 0.012	0.385 ± 0.067 ± 0.019	—±—±—	—±—±—	—±—±—
15094-Polymele	J.Trojan	3	1	11.550 ± 0.118			
	5.186 ± 2.495	0.652 ± 0.065 ± 0.000	0.477 ± 0.065 ± 0.000	0.322 ± 0.094 ± 0.000	1.401 ± 0.066 ± 0.043	0.342 ± 0.062 ± 0.000	0.095 ± 0.058 ± 0.000
15502-1999 NV_{27}	J.Trojan	3	1	9.951 ± 0.075			
	7.367 ± 1.724	0.766 ± 0.047 ± 0.000	0.445 ± 0.036 ± 0.000	0.430 ± 0.060 ± 0.000	1.565 ± 0.046 ± 0.023	0.492 ± 0.041 ± 0.000	0.152 ± 0.034 ± 0.003
15504-1999 RG_{33}	Centaur	2	1	11.987 ± 0.052			
	3.430 ± 2.703	0.817 ± 0.047 ± 0.015	0.495 ± 0.099 ± 0.085	0.350 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—
15535-2000 AT_{177}	J.Trojan	4	1	10.526 ± 0.075			
	9.836 ± 2.098	0.739 ± 0.043 ± 0.012	0.470 ± 0.049 ± 0.024	0.461 ± 0.082 ± 0.043	1.681 ± 0.045 ± 0.006	0.500 ± 0.048 ± 0.000	0.123 ± 0.047 ± 0.000
15760-Albion	Classic Cd	5	1	6.984 ± 0.094			
	27.538 ± 4.806	0.869 ± 0.143 ± 0.079	0.707 ± 0.093 ± 0.048	0.651 ± 0.166 ± 0.116	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
	MPC nodate 1992 QB1						
15788-1993 SB	Res. 3:2	6	1	8.035 ± 0.143			
	12.407 ± 4.044	0.802 ± 0.071 ± 0.017	0.475 ± 0.077 ± 0.012	0.514 ± 0.114 ± 0.018	—±—±—	0.450 ± 0.253 ± 0.000	—±—±—
	Ful+08 TAXO=BR						
	Ful+08 TAXO=BR						
15789-1993 SC	Res. 3:2	17	1	6.747 ± 0.077			
	34.698 ± 4.012	1.045 ± 0.117 ± 0.066	0.688 ± 0.074 ± 0.030	0.697 ± 0.093 ± 0.054	2.236 ± 0.200 ± 0.101	0.412 ± 0.240 ± 0.015	-0.040 ± 0.197 ± 0.000
	Ful+08 TAXO=RR						
	JL01 SPECTRUM=Methane						

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Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[(1)]	Epochs[(2)]	Multiple[(3)]	M11 $\pm\sigma$			
	Grt $\pm\sigma$	B-V $\pm\sigma\pm d$	V-R $\pm\sigma\pm d$	R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
15807-1994 GV_9	Classic Cd	1	1	6.807 ± 0.091			
	38.552 ± 0.000	—±—±—	0.740 ± 0.099 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
15809-1994 JS	Res.other	2	1	7.474 ± 0.160			
	28.194 ± 6.000	—±—±—	0.760 ± 0.170 ± 0.000	0.480 ± 0.149 ± 0.000	—±—±—	0.460 ± 0.705 ± 0.000	—±—±—
	MPC08 Resonant 3:5						
15810-Arawn	Res. 3:2	15	1	6.867 ± 0.079			
	15.860 ± 4.717	1.010 ± 0.180 ± 0.000	0.632 ± 0.110 ± 0.062	0.538 ± 0.098 ± 0.015	—±—±—	0.430 ± 0.242 ± 0.000	—±—±—
	MPC nodate 1994 JR1						
15820-1994 TB	Res. 3:2	16	1	7.507 ± 0.116			
	37.669 ± 3.728	1.107 ± 0.126 ± 0.020	0.697 ± 0.075 ± 0.021	0.739 ± 0.099 ± 0.018	2.368 ± 0.162 ± 0.109	0.428 ± 0.119 ± 0.014	0.120 ± 0.120 ± 0.000
	Ful+08 TAXO=RR						
	Lel+13 nodate ThermalIR tel=S+H hmag=7.934/0.354 emi=0.9/- diam=85/-28/+36 pV=0.172/-0.097/+0.258 freeta=1.26/-0.65/+0.97						
15836-1995 DA_2	Res.other	6	1	7.803 ± 0.091			
	16.356 ± 5.630	—±—±—	0.550 ± 0.110 ± 0.000	0.500 ± 0.160 ± 0.000	—±—±—	—±—±—	—±—±—
	MPC08 Resonant 3:4						
15874-1996 TL_{66}	Scattered	17	1	5.214 ± 0.131			
	1.451 ± 2.858	0.687 ± 0.072 ± 0.050	0.369 ± 0.052 ± 0.037	0.370 ± 0.077 ± 0.051	1.452 ± 0.114 ± 0.102	0.267 ± 0.144 ± 0.060	-0.018 ± 0.138 ± 0.027
	Ful+08 TAXO=BB						
	SaS+12 nodate ThermalIR tel=S+H hmag=5.39/0.12 emi=0.9/- diam=339/-20/+20 pV=0.11/-0.015/+0.021 freeta=1.15/-0.05/+0.08						
15875-1996 TP_{66}	Res. 3:2	8	1	6.967 ± 0.076			
	30.636 ± 3.598	1.031 ± 0.112 ± 0.080	0.655 ± 0.076 ± 0.021	0.673 ± 0.086 ± 0.051	2.309 ± 0.060 ± 0.000	0.170 ± 0.078 ± 0.000	0.020 ± 0.092 ± 0.000
	Ful+08 TAXO=RR						
	Mom+12 nodate ThermalIR tel=S+H hmag=7.51/0.09 emi=0.9/- diam=154/-33.7/+28.8 pV=0.074/-0.031/+0.063 fixeta=1.2/-0.35/+0.35						
15883-1997 CR_{29}	Classic Ht	3	1	7.072 ± 0.135			
	20.484 ± 7.048	0.750 ± 0.152 ± 0.057	0.538 ± 0.157 ± 0.101	0.620 ± 0.182 ± 0.081	—±—±—	0.490 ± 0.320 ± 0.000	—±—±—
	Ful+08 TAXO=BR						
15977-1998 MA_{11}	J.Trojan	1	1	10.618 ± 0.046			
	8.770 ± 1.049	0.748 ± 0.033 ± 0.000	0.465 ± 0.025 ± 0.000	0.441 ± 0.036 ± 0.000	—±—±—	—±—±—	—±—±—
16684-1994 JQ_1	Classic Cd	8	1	6.640 ± 0.113			
	31.346 ± 4.713	1.134 ± 0.068 ± 0.039	0.736 ± 0.101 ± 0.069	0.650 ± 0.123 ± 0.032	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
17416-1988 RR_{10}	J.Trojan	1	1	12.727 ± 0.097			
	12.135 ± 2.732	0.742 ± 0.071 ± 0.000	0.488 ± 0.055 ± 0.000	0.498 ± 0.097 ± 0.000	—±—±—	—±—±—	—±—±—
18060-1999 XJ_{156}	J.Trojan	1	1	—±—			
	3.456 ± 1.719	0.758 ± 0.056 ± 0.000	0.412 ± 0.043 ± 0.000	0.364 ± 0.063 ± 0.000	—±—±—	—±—±—	—±—±—
18137-2000 OU_{30}	J.Trojan	1	1	11.139 ± 0.057			
	9.115 ± 1.218	0.733 ± 0.039 ± 0.000	0.496 ± 0.031 ± 0.000	0.409 ± 0.044 ± 0.000	—±—±—	—±—±—	—±—±—
18268-Dardanos	J.Trojan	1	1	12.084 ± 0.070			
	12.538 ± 1.495	0.795 ± 0.042 ± 0.000	0.529 ± 0.040 ± 0.000	0.451 ± 0.056 ± 0.000	—±—±—	—±—±—	—±—±—
18493-Demoleon	J.Trojan	2	1	10.841 ± 0.083			
	3.154 ± 2.460	0.703 ± 0.073 ± 0.000	0.395 ± 0.047 ± 0.000	0.380 ± 0.087 ± 0.000	1.383 ± 0.045 ± 0.014	0.384 ± 0.046 ± 0.005	0.091 ± 0.040 ± 0.015

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Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1] Grt $\pm\sigma$	Epochs[2] B-V $\pm\sigma \pm d$	Multiple[3] V-R $\pm\sigma \pm d$	M11 $\pm\sigma$ R-I $\pm\sigma \pm d$	V-J $\pm\sigma \pm d$	J-H $\pm\sigma \pm d$	H-K $\pm\sigma \pm d$
18940-2000 QV_{49}	J.Trojan	1	1	11.661 ± 0.097			
	8.449 ± 2.608	0.709 ± 0.072 ± 0.000	0.465 ± 0.055 ± 0.000	0.429 ± 0.093 ± 0.000	—±—±—	—±—±—	—±—±—
19255-1994 VK_8	Classic Cd	4	1	7.019 ± 0.163			
	24.540 ± 5.861	1.010 ± 0.060 ± 0.000	0.659 ± 0.095 ± 0.014	0.490 ± 0.255 ± 0.000	—±—±—	0.520 ± 0.297 ± 0.000	—±—±—
	Ful+08 TAXO=RR						
19299-1996 SZ_4	Res. 3:2	5	1	8.338 ± 0.166			
	13.725 ± 4.694	0.754 ± 0.100 ± 0.073	0.522 ± 0.061 ± 0.021	0.446 ± 0.154 ± 0.110	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR						
19308-1996 TO_{66}	Classic Ht	16	1	4.524 ± 0.042			
	2.077 ± 2.168	0.671 ± 0.057 ± 0.021	0.389 ± 0.043 ± 0.012	0.356 ± 0.053 ± 0.016	0.997 ± 0.101 ± 0.000	—±—±—	—±—±—
	Ful+08 TAXO=BB						
	Pei+12 f SPECTRUM=Water ice						
	RB07 FAMILY=2003EL61 SPECTRUM=Strong water ice						
19521-Chaos	Classic Ht	14	1	4.507 ± 0.090			
	23.292 ± 2.396	0.932 ± 0.054 ± 0.025	0.608 ± 0.041 ± 0.015	0.571 ± 0.087 ± 0.069	1.835 ± 0.087 ± 0.053	0.400 ± 0.095 ± 0.012	0.033 ± 0.094 ± 0.021
	Ful+08 TAXO=IR						
	MPC nodate 1998 WH24						
	Vil+12 nodate ThermalIR tel=S+H hmag=5/0.06 emi=0.9/- diam=600/-130/+140 pV=0.05/-0.016/+0.03 freeta=2.2/-1.1/+1.2						
20000-Varuna	Classic Ht	12	1	3.471 ± 0.072			
	26.491 ± 1.867	0.906 ± 0.052 ± 0.030	0.626 ± 0.035 ± 0.010	0.628 ± 0.040 ± 0.021	2.010 ± 0.050 ± 0.000	0.564 ± 0.070 ± 0.000	-0.038 ± 0.105 ± 0.000
	Ful+08 TAXO=IR						
	Lel+13 nodate ThermalIR tel=S+H hmag=3.76/0.035 emi=0.9/- diam=668/-86/+154 pV=0.127/-0.042/+0.04 freeta=2.18/-0.49/+1.04						
	MPC nodate 2000 WR106						
	Pei+12 g SPECTRUM=Water ice						
20108-1995 QZ_9	Res. 3:2	3	1	7.895 ± 0.399			
	14.510 ± 3.460	0.880 ± 0.040 ± 0.000	0.515 ± 0.050 ± 0.009	—±—±—	—±—±—	—±—±—	—±—±—
20161-1996 TR_{66}	Res.other	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.470 ± 0.296 ± 0.000	—±—±—
	MPC08 Resonant 1:2						
20738-1999 XG_{191}	J.Trojan	2	1	11.541 ± 0.073			
	10.132 ± 1.962	0.776 ± 0.041 ± 0.000	0.472 ± 0.042 ± 0.000	0.467 ± 0.069 ± 0.000	1.593 ± 0.062 ± 0.000	0.520 ± 0.084 ± 0.000	0.113 ± 0.081 ± 0.000
23549-Epicles	J.Trojan	1	1	11.809 ± 0.118			
	7.916 ± 2.720	0.800 ± 0.071 ± 0.000	0.485 ± 0.068 ± 0.000	0.387 ± 0.101 ± 0.000	—±—±—	—±—±—	—±—±—
23694-1997 KZ_3	J.Trojan	1	1	11.375 ± 0.053			
	8.337 ± 1.151	0.723 ± 0.035 ± 0.000	0.474 ± 0.029 ± 0.000	0.418 ± 0.041 ± 0.000	1.657 ± 0.033 ± 0.000	0.493 ± 0.033 ± 0.000	0.211 ± 0.028 ± 0.000
24233-1999 XD_{94}	J.Trojan	1	1	11.411 ± 0.071			
	9.103 ± 1.978	0.704 ± 0.051 ± 0.000	0.481 ± 0.037 ± 0.000	0.418 ± 0.069 ± 0.000	—±—±—	—±—±—	—±—±—
24341-2000 AJ_{87}	J.Trojan	1	1	11.977 ± 0.067			
	2.026 ± 1.928	0.713 ± 0.043 ± 0.000	0.369 ± 0.035 ± 0.000	0.390 ± 0.067 ± 0.000	—±—±—	—±—±—	—±—±—
24380-2000 AA_{160}	J.Trojan	1	1	—±—			
	1.556 ± 1.804	0.734 ± 0.055 ± 0.000	0.391 ± 0.048 ± 0.000	0.336 ± 0.068 ± 0.000	—±—±—	—±—±—	—±—±—
24390-2000 AD_{177}	J.Trojan	2	1	11.600 ± 0.066			
	12.512 ± 1.913	0.700 ± 0.042 ± 0.000	0.513 ± 0.034 ± 0.000	0.462 ± 0.066 ± 0.000	1.684 ± 0.048 ± 0.000	0.461 ± 0.055 ± 0.000	0.140 ± 0.052 ± 0.000

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Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[(1)] / Grt $\pm\sigma$	Epochs[(2)] / B-V $\pm\sigma\pm d$	Multiple[(3)] / V-R $\pm\sigma\pm d$	M11 $\pm\sigma$ / R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
24420-2000 BU_{22}	J.Trojan	1	1	—±—			
	2.931 ± 1.742	0.937 ± 0.066 ± 0.000	0.441 ± 0.042 ± 0.000	0.304 ± 0.063 ± 0.000	—±—±—	—±—±—	—±—±—
24426-2000 CR_{12}	J.Trojan	1	1	—±—			
	5.604 ± 1.660	0.717 ± 0.054 ± 0.000	0.414 ± 0.043 ± 0.000	0.424 ± 0.062 ± 0.000	—±—±—	—±—±—	—±—±—
24444-2000 OP_{32}	J.Trojan	1	1	11.432 ± 0.093			
	6.264 ± 2.536	0.712 ± 0.071 ± 0.000	0.437 ± 0.053 ± 0.000	0.409 ± 0.090 ± 0.000	—±—±—	—±—±—	—±—±—
24452-2000 QU_{167}	J.Trojan	1	1	11.757 ± 0.099			
	6.333 ± 2.377	0.872 ± 0.056 ± 0.000	0.441 ± 0.056 ± 0.000	0.406 ± 0.087 ± 0.000	—±—±—	—±—±—	—±—±—
24467-2000 SS_{165}	J.Trojan	1	1	11.771 ± 0.104			
	11.221 ± 2.463	0.927 ± 0.079 ± 0.000	0.460 ± 0.060 ± 0.000	0.513 ± 0.091 ± 0.000	—±—±—	—±—±—	—±—±—
24835-1995 SM_{55}	Classic Ht	10	1	4.336 ± 0.040			
	0.272 ± 1.805	0.652 ± 0.032 ± 0.008	0.357 ± 0.043 ± 0.025	0.356 ± 0.052 ± 0.023	1.010 ± 0.050 ± 0.000	-0.270 ± 0.163 ± 0.000	—±—±—
	Ful+08 TAXO=BB Pei+12 g SPECTRUM=Water ice Rab+08 BETA=0.060/0.027 Rab+08 FAMILY=2003EL61 RB07 FAMILY=2003EL61 SPECTRUM=Strong water ice						
24952-1997 QJ_4	Res. 3:2	4	1	7.628 ± 0.194			
	4.695 ± 4.772	0.763 ± 0.114 ± 0.053	0.431 ± 0.114 ± 0.070	0.396 ± 0.102 ± 0.032	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR-BB						
24978-1998 HJ_{151}	Classic Cd	2	1	7.003 ± 0.050			
	29.628 ± 2.427	1.110 ± 0.030 ± 0.000	0.710 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
25347-1999 RQ_{116}	J.Trojan	1	1	11.566 ± 0.075			
	10.900 ± 2.252	0.618 ± 0.058 ± 0.000	0.488 ± 0.042 ± 0.000	0.461 ± 0.079 ± 0.000	—±—±—	—±—±—	—±—±—
26181-1996 GQ_{21}	Res.other	9	1	4.625 ± 0.172			
	37.090 ± 2.023	0.999 ± 0.059 ± 0.010	0.697 ± 0.050 ± 0.028	0.694 ± 0.056 ± 0.000	2.438 ± 0.062 ± 0.030	0.497 ± 0.082 ± 0.007	0.055 ± 0.096 ± 0.006
	Ful+08 TAXO=RR Pei+12 g SPECTRUM=Methanol						
26308-1998 SM_{165}	Res.other	9	2	5.555 ± 0.107			
	31.425 ± 2.295	0.989 ± 0.114 ± 0.020	0.641 ± 0.056 ± 0.020	0.666 ± 0.072 ± 0.018	2.295 ± 0.087 ± 0.062	0.546 ± 0.086 ± 0.052	0.080 ± 0.071 ± 0.000
	Ful+08 TAXO=RR Lel+13 nodate ThermalIR tel=S+H hmag=6.023/0.075 emi=0.9/- diam=291/-26/+22 pV=0.083/-0.013/+0.018 freeta=1.55/-0.1/+0.11 MPC08 Resonant 1:2						
26308-1998 SM_{165} B	Res.other	1	2	—±—			
	31.037 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
26375-1999 DE_9	Res.other	14	1	4.803 ± 0.045			
	20.625 ± 1.625	0.967 ± 0.043 ± 0.026	0.579 ± 0.036 ± 0.004	0.568 ± 0.043 ± 0.007	1.717 ± 0.193 ± 0.180	0.327 ± 0.106 ± 0.023	0.025 ± 0.108 ± 0.023
	Ful+08 TAXO=IR Lel+13 nodate ThermalIR tel=S+H hmag=5.154/0.046 emi=0.9/- diam=311/-32/+29 pV=0.163/-0.026/+0.041 freeta=0.71/-0.11/+0.1 Pei+12 h SPECTRUM=Featureless						
28958-2001 CQ_{42}	J.Trojan	1	1	—±—			
	-2.591 ± 1.987	0.730 ± 0.054 ± 0.000	0.364 ± 0.045 ± 0.000	0.230 ± 0.071 ± 0.000	—±—±—	—±—±—	—±—±—
28978-Ixion	Res. 3:2	16	1	3.257 ± 0.116			
	22.179 ± 2.243	1.018 ± 0.041 ± 0.017	0.605 ± 0.030 ± 0.005	0.580 ± 0.040 ± 0.000	1.590 ± 0.064 ± 0.000	0.277 ± 0.069 ± 0.018	-0.010 ± 0.071 ± 0.000
	Ful+08 TAXO=IR Lel+13 nodate ThermalIR tel=S+H hmag=3.828/0.039 emi=0.9/- diam=617/-20/+19 pV=0.141/-0.011/+0.011 freeta=0.91/-0.06/+0.04 MPC nodate 2001 KX76						

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Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[(1)] / Grt $\pm\sigma$	Epochs[(2)] / B-V $\pm\sigma\pm d$	Multiple[(3)] / V-R $\pm\sigma\pm d$	M11 $\pm\sigma$ / R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
29981-1999 TD_{10}	Scattered	18	1	8.714 ± 0.040			
	12.194 ± 1.263	0.808 ± 0.095 ± 0.089	0.502 ± 0.032 ± 0.011	0.511 ± 0.051 ± 0.040	1.790 ± 0.057 ± 0.000	0.425 ± 0.093 ± 0.005	—±—±—
Ful+08 TAXO=BR							
Pei+12 g SPECTRUM=Water ice							
30698-Hippokoon	J.Trojan	3	1	12.002 ± 0.128			
	7.486 ± 2.170	0.715 ± 0.067 ± 0.000	0.458 ± 0.048 ± 0.015	0.412 ± 0.079 ± 0.023	1.527 ± 0.074 ± 0.038	0.396 ± 0.080 ± 0.037	0.183 ± 0.069 ± 0.001
31820-1999 RT_{186}	J.Trojan	1	1	12.409 ± 0.168			
	10.495 ± 4.232	0.889 ± 0.093 ± 0.000	0.520 ± 0.091 ± 0.000	0.396 ± 0.153 ± 0.000	—±—±—	—±—±—	—±—±—
31821-1999 RK_{225}	J.Trojan	1	1	11.847 ± 0.173			
	8.202 ± 3.877	0.980 ± 0.111 ± 0.000	0.440 ± 0.097 ± 0.000	0.461 ± 0.145 ± 0.000	—±—±—	—±—±—	—±—±—
31824-Elatus	Centaur	15	1	10.430 ± 0.124			
	27.348 ± 1.859	1.020 ± 0.060 ± 0.029	0.620 ± 0.048 ± 0.019	0.630 ± 0.038 ± 0.021	—±—±—	0.392 ± 0.062 ± 0.000	0.020 ± 0.086 ± 0.000
Duf+14 nodate ThermalIR tel=S hmag=10.4/0.09 emi=0.9/- diam=49.8/-9.8/+10.4 pV=0.049/-0.016/+0.028 fixeta=1.2/-0.35/+0.35							
Ful+08 TAXO=RR							
Pei+12 g SPECTRUM=Water ice							
32430-2000 RQ_{83}	J.Trojan	1	1	12.286 ± 0.074			
	8.679 ± 1.818	0.772 ± 0.038 ± 0.000	0.474 ± 0.045 ± 0.000	0.425 ± 0.067 ± 0.000	—±—±—	—±—±—	—±—±—
32532-Thereus	Centaur	224	1	9.246 ± 0.015			
	10.623 ± 1.294	0.764 ± 0.049 ± 0.045	0.501 ± 0.017 ± 0.003	0.479 ± 0.039 ± 0.019	1.350 ± 0.050 ± 0.000	0.442 ± 0.074 ± 0.049	0.110 ± 0.074 ± 0.000
Duf+14 nodate ThermalIR tel=S hmag=9.4/0.16 emi=0.9/- diam=62/-3/+3 pV=0.083/-0.013/+0.016 freeta=0.87/-0.08/+0.08							
Ful+08 TAXO=BR							
Pei+12 h SPECTRUM=Water ice							
32615-2001 QU_{277}	J.Trojan	1	1	11.427 ± 0.050			
	9.346 ± 1.235	0.807 ± 0.052 ± 0.000	0.452 ± 0.028 ± 0.000	0.474 ± 0.043 ± 0.000	—±—±—	—±—±—	—±—±—
32794-1989 UE_{5}	J.Trojan	1	1	12.722 ± 0.094			
	6.794 ± 2.116	0.923 ± 0.065 ± 0.000	0.393 ± 0.056 ± 0.000	0.486 ± 0.080 ± 0.000	—±—±—	—±—±—	—±—±—
32929-1995 QY_{9}	Classic Ht	5	1	7.374 ± 0.062			
	18.741 ±10.170	0.740 ± 0.200 ± 0.000	0.561 ± 0.110 ± 0.067	—±—±—	2.027 ± 0.201 ± 0.137	—±—±—	—±—±—
Ful+08 TAXO=BR							
33001-1997 CU_{29}	Classic Cd	6	1	6.214 ± 0.104			
	28.823 ± 3.429	1.157 ± 0.145 ± 0.082	0.645 ± 0.066 ± 0.020	0.634 ± 0.092 ± 0.044	—±—±—	0.410 ± 0.238 ± 0.000	—±—±—
Ful+08 TAXO=RR							
33128-1998 BU_{48}	Scattered	9	1	6.854 ± 0.137			
	26.535 ± 4.487	1.044 ± 0.071 ± 0.046	0.631 ± 0.101 ± 0.048	0.644 ± 0.104 ± 0.050	2.275 ± 0.059 ± 0.000	0.505 ± 0.098 ± 0.015	-0.157 ± 0.105 ± 0.035
Ful+08 TAXO=RR							
33340-1998 VG_{44}	Res. 3:2	14	1	6.265 ± 0.072			
	19.741 ± 2.874	0.955 ± 0.050 ± 0.025	0.555 ± 0.039 ± 0.019	0.598 ± 0.098 ± 0.077	—±—±—	0.398 ± 0.128 ± 0.009	0.010 ± 0.078 ± 0.000
Ful+08 TAXO=IR							
Lel+13 nodate ThermalIR tel=S+H hmag=6.67/0.04 emi=0.9/- diam=248/-41/+43 pV=0.063/-0.017/+0.026 freeta=1.55/-0.38/+0.58							
34785-2001 RG_{87}	J.Trojan	1	1	12.538 ± 0.076			
	4.113 ± 1.599	0.728 ± 0.050 ± 0.000	0.386 ± 0.043 ± 0.000	0.419 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—

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35671-1998 SN_{165}	Classic Cd	7	1	5.684 ± 0.320			
	6.856 ± 3.068	0.712 ± 0.095 ± 0.062	0.444 ± 0.078 ± 0.042	0.437 ± 0.083 ± 0.037	1.270 ± 0.050 ± 0.000	—±—±—	—±—±—
	Ful+08 TAXO=BB Vil+14 nodate ThermalIR tel=S+H hmag=5.707/0.085 emi=0.9/- diam=393/-38/+39 pV=0.06/-0.013/+0.019 fixeta=1.23/-0.35/+0.35 Fixed-adjusted eta						
38083-Rhadamanth	Classic Ht	1	1	7.424 ± 0.063			
	11.287 ± 3.072	0.650 ± 0.085 ± 0.000	0.527 ± 0.069 ± 0.000	0.412 ± 0.075 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR MPC nodate 1999 HX11						
38084-1999 HB_{12}	Res.other	3	1	6.625 ± 0.079			
	15.815 ± 3.668	0.893 ± 0.064 ± 0.023	0.544 ± 0.065 ± 0.031	0.481 ± 0.094 ± 0.069	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR						
38628-Huya	Res. 3:2	60	1	4.668 ± 0.099			
	22.400 ± 2.192	0.963 ± 0.042 ± 0.012	0.609 ± 0.090 ± 0.014	0.593 ± 0.055 ± 0.039	1.970 ± 0.050 ± 0.000	0.330 ± 0.109 ± 0.077	—±—±—
	For+13 nodate ThermalIR tel=S+H hmag=5.04/0.03 emi=0.9/- diam=458/-9.2/+9.2 pV=0.083/-0.004/+0.004 freeta=0.93/-0.02/+0.02 Includes SPIRE Ful+08 TAXO=IR MPC nodate 2000 EB173 Pei+12 g SPECTRUM=Featureless						
39285-2001 BP_{75}	J.Trojan	1	1	—±—			
	-0.195 ± 1.869	0.810 ± 0.059 ± 0.000	0.381 ± 0.044 ± 0.000	0.291 ± 0.067 ± 0.000	—±—±—	—±—±—	—±—±—
40314-1999 KR_{16}	Scattered	6	1	5.605 ± 0.092			
	42.032 ± 2.385	1.123 ± 0.083 ± 0.056	0.738 ± 0.057 ± 0.041	0.750 ± 0.040 ± 0.012	—±—±—	0.560 ± 0.071 ± 0.000	0.020 ± 0.071 ± 0.000
	Ful+08 TAXO=RR SaS+12 nodate ThermalIR tel=H hmag=5.37/0.08 emi=0.9/- diam=254/-37/+37 pR=0.204/-0.05/+0.07 fixeta=1.2/-0.35/+0.35						
42301-2001 UR_{163}	Res.other	9	1	3.876 ± 0.102			
	45.205 ± 2.882	1.290 ± 0.109 ± 0.090	0.839 ± 0.044 ± 0.011	0.673 ± 0.121 ± 0.107	2.381 ± 0.058 ± 0.013	0.476 ± 0.115 ± 0.023	—±—±—
	Ful+08 TAXO=RR Pei+12 g SPECTRUM=Featureless						
42355-Typhon	Scattered	15	2	7.257 ± 0.071			
	12.215 ± 1.832	0.758 ± 0.039 ± 0.018	0.518 ± 0.029 ± 0.009	0.378 ± 0.094 ± 0.053	1.560 ± 0.045 ± 0.000	0.406 ± 0.087 ± 0.049	0.160 ± 0.071 ± 0.000
	Ful+08 TAXO=BR Pei+12 h SPECTRUM=Water ice SaS+12 nodate ThermalIR tel=S+H hmag=7.72/0.04 emi=0.9/- diam=185/-7/+7 pV=0.044/-0.003/+0.003 freeta=1.48/-0.07/+0.07						
42355-Typhon+B	Scattered	1	2	—±—			
	9.763 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
43212-2000 AL_{113}	J.Trojan	1	1	—±—			
	2.314 ± 1.748	—±—±—	0.402 ± 0.043 ± 0.000	0.343 ± 0.064 ± 0.000	—±—±—	—±—±—	—±—±—
44594-1999 OX_3	Scattered	34	1	7.054 ± 0.084			
	34.133 ± 2.125	1.138 ± 0.067 ± 0.019	0.708 ± 0.052 ± 0.013	0.640 ± 0.067 ± 0.022	2.217 ± 0.127 ± 0.099	0.392 ± 0.105 ± 0.060	-0.000 ± 0.099 ± 0.030
	Ful+08 TAXO=RR Lel+13 nodate ThermalIR tel=S+H hmag=7.718/0.092 emi=0.9/- diam=135/-12/+13 pV=0.081/-0.015/+0.018 freeta=1.04/-0.22/+0.27 Pei+12 i SPECTRUM=Water ice						

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45802-2000 PV_{29}	Classic Cd	2	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.428 ± 0.291 ± 0.030	—±—±—
47171-Lempo	Res. 3:2	24	1	4.865 ± 0.060			
	29.334 ± 1.738	1.029 ± 0.047 ± 0.016	0.693 ± 0.032 ± 0.009	0.619 ± 0.049 ± 0.021	2.215 ± 0.101 ± 0.073	0.337 ± 0.092 ± 0.019	0.009 ± 0.090 ± 0.016
	Ful+08 TAXO=RR Mom+12 nodate ThermalIR tel=S+H hmag=5.41/0.1 emi=0.9/- diam=393.1/-26.8/+25.2 pV=0.079/-0.011/+0.013 freeta=1.1/-0.08/+0.07 MPC nodate 1999 TC36 Pei+12 h SPECTRUM=Water ice PPP+09 SPECTRO=H2O MODELING=Intimate mixture Triton tholin+Titan tholin+serpentine+Triton tholin diluted in water ice SCATTERING=Hapke						
47171-Lempo+B	Res. 3:2	1	1	—±—			
	19.177 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
47932-2000 GN_{171}	Res. 3:2	15	1	5.923 ± 0.267			
	26.270 ± 1.851	0.960 ± 0.063 ± 0.033	0.607 ± 0.042 ± 0.016	0.617 ± 0.054 ± 0.000	1.711 ± 0.079 ± 0.042	0.365 ± 0.108 ± 0.012	0.060 ± 0.099 ± 0.000
	Ful+08 TAXO=IR Mom+12 nodate ThermalIR tel=S+H hmag=6.45/0.34 emi=0.9/- diam=147.1/-17.8/+20.7 pV=0.215/-0.07/+0.093 freeta=1.11/-0.21/+0.24 Pei+12 h SPECTRUM=Featureless						
47967-2000 SL_{298}	J.Trojan	1	1	11.830 ± 0.113			
	11.415 ± 2.726	0.899 ± 0.058 ± 0.000	0.489 ± 0.069 ± 0.000	0.476 ± 0.102 ± 0.000	—±—±—	—±—±—	—±—±—
48249-2001 SY_{345}	J.Trojan	1	1	12.561 ± 0.072			
	11.716 ± 1.707	0.758 ± 0.050 ± 0.000	0.530 ± 0.037 ± 0.000	0.420 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—
48252-2001 TL_{212}	J.Trojan	1	1	12.739 ± 0.153			
	8.694 ± 3.314	0.949 ± 0.100 ± 0.000	0.467 ± 0.093 ± 0.000	0.436 ± 0.129 ± 0.000	—±—±—	—±—±—	—±—±—
48639-1995 TL_{8}	Scattered	5	1	4.666 ± 0.087			
	22.529 ± 6.004	1.008 ± 0.159 ± 0.152	0.621 ± 0.091 ± 0.084	0.551 ± 0.120 ± 0.112	2.420 ± 0.050 ± 0.000	0.412 ± 0.131 ± 0.021	-0.020 ± 0.085 ± 0.000
	Ful+08 TAXO=RR Lel+13 nodate ThermalIR tel=S+H hmag=5.29/0.06 emi=0.9/- diam=244/-63/+82 pV=0.231/-0.102/+0.189 freeta=1.38/-0.49/+0.8						
49036-Pelion	Centaur	3	1	10.436 ± 0.247			
	8.734 ± 3.519	0.746 ± 0.080 ± 0.020	0.556 ± 0.078 ± 0.055	0.368 ± 0.102 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR						
50000-Quaoar	Classic Ht	5	2	2.217 ± 0.029			
	29.224 ± 1.706	0.958 ± 0.035 ± 0.029	0.650 ± 0.020 ± 0.014	0.610 ± 0.028 ± 0.000	2.180 ± 0.058 ± 0.000	0.360 ± 0.050 ± 0.000	0.030 ± 0.057 ± 0.000
	DOCM+09 MODELING=Intimate mixture crystalline H2O(contaminated molecularly by Triton tholin)+amorphous H2O+CH4 (contaminated molecularly by Triton and Titan tholin)+N2+C2H6+Triton tholin+Titan tholin RANGE=(0.4-4.5)mu SCATTERING=Shkuratov SPECTRO=H2O TAXO=RR For+13 bulk density for A+B density=2.18+0.43-0.36 For+13 nodate ThermalIR tel=S+H hmag=2.73/0.06 emi=0.9/- diam=1073.6/-37.9/+37.9 pV=0.127/-0.009/+0.01 freeta=1.73/-0.08/+0.08 MPC nodate 2002 LM60 Pei+12 h SPECTRUM=Methane						
51359-2000 SC_{17}	J.Trojan	1	1	11.981 ± 0.233			
	7.745 ± 5.725	0.864 ± 0.201 ± 0.000	0.447 ± 0.131 ± 0.000	0.438 ± 0.210 ± 0.000	—±—±—	—±—±—	—±—±—
52747-1998 HM_{151}	Classic Cd	1	1	7.413 ± 0.100			
	24.891 ± 4.691	0.930 ± 0.090 ± 0.000	0.620 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
52872-Okyrhoe	Centaur	22	1	10.796 ± 0.078			
	11.501 ± 2.017	0.743 ± 0.065 ± 0.047	0.495 ± 0.042 ± 0.016	0.480 ± 0.061 ± 0.028	—±—±—	0.456 ± 0.068 ± 0.036	0.144 ± 0.082 ± 0.024
	Duf+14 nodate ThermalIR tel=S+H hmag=11.07/0.1 emi=0.9/- diam=35/-3/+3 pV=0.056/-0.01/+0.012 freeta=0.71/-0.13/+0.12 Ful+08 TAXO=BR Pei+12 g SPECTRUM=Water ice						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1] Grt ±σ	Epochs[2] B-V ±σ ± d	Multiple[3] V-R ±σ ± d	M11 ±σ R-I ±σ ± d	V-J ±σ ± d	J-H ±σ ± d	H-K ±σ ± d
52975-Cyllarus	Centaur	10	1	8.642 ± 0.100			
	32.286 ± 3.654	1.096 ± 0.095 ± 0.047	0.680 ± 0.085 ± 0.035	0.669 ± 0.090 ± 0.033	2.425 ± 0.077 ± 0.000	0.450 ± 0.092 ± 0.000	-0.100 ± 0.085 ± 0.000
	Duf+14 nodate ThermalIR tel=S hmag=9.02/0.15 emi=0.9/- diam=56/-18/+21 pV=0.139/-0.064/+0.157 fixeta=1.2/-0.35/+0.35						
	Ful+08 TAXO=RR						
53469-2000 AX_8	J.Trojan	1	1	—±—			
	0.771 ± 1.818	0.663 ± 0.051 ± 0.000	0.356 ± 0.045 ± 0.000	0.361 ± 0.067 ± 0.000	—±—±—	—±—±—	—±—±—
54520-2000 PJ_{30}	Scattered	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.410 ± 0.304 ± 0.000	—±—±—
54598-Bienor	Centaur	16	1	7.588 ± 0.104			
	8.793 ± 2.427	0.711 ± 0.059 ± 0.019	0.476 ± 0.046 ± 0.009	0.400 ± 0.079 ± 0.052	1.684 ± 0.091 ± 0.066	0.379 ± 0.078 ± 0.027	0.153 ± 0.099 ± 0.043
	Duf+14 nodate ThermalIR tel=S+H hmag=7.57/0.34 emi=0.9/- diam=198/-7/+6 pV=0.043/-0.012/+0.016 freeta=1.58/-0.07/+0.07						
	Ful+08 TAXO=BR						
	Pei+12 h SPECTRUM=Methanol						
55565-2002 AW_{197}	Classic Ht	11	1	3.121 ± 0.050			
	21.861 ± 1.417	0.915 ± 0.035 ± 0.018	0.589 ± 0.030 ± 0.015	0.581 ± 0.037 ± 0.014	1.740 ± 0.054 ± 0.000	0.329 ± 0.070 ± 0.016	0.215 ± 0.094 ± 0.063
	Ful+08 TAXO=IR						
	Pei+12 h SPECTRUM=Featureless						
	RB07 FAMILY=2003EL61 SPECTRUM=No water ice						
	Vil+14 nodate ThermalIR tel=S+H hmag=3.568/0.046 emi=0.9/- diam=768/-38/+39 pV=0.112/-0.011/+0.012 freeta=1.29/-0.1/+0.13						
55576-Amycus	Centaur	23	1	7.738 ± 0.048			
	33.744 ± 1.803	1.111 ± 0.034 ± 0.006	0.705 ± 0.032 ± 0.008	0.666 ± 0.047 ± 0.023	—±—±—	0.299 ± 0.077 ± 0.026	0.004 ± 0.064 ± 0.005
	Duf+14 nodate ThermalIR tel=S+H hmag=8.27/0.11 emi=0.9/- diam=104/-8/+8 pV=0.083/-0.015/+0.016 freeta=1/-0.13/+0.12						
	Ful+08 TAXO=RR						
55636-2002 TX_{300}	Classic Ht	9	1	3.241 ± 0.043			
	-0.195 ± 1.513	0.679 ± 0.038 ± 0.026	0.359 ± 0.024 ± 0.009	0.323 ± 0.041 ± 0.027	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BB						
	Lel+13 nodate ThermalIR tel=S+H hmag=3.509/0.076 emi=0.9/- diam=286/-10/+10 pV=0.88/-0.06/+0.15 freeta=1.15/-0.74/+0.55 Size and albedo from occultation (2010Natur.465..897E)						
	Lic+06 FAMILY=2003EL61 MODELING=Areal mixture water ice+olivine+amorphous carbon RANGE=(0.5-2.2)mu SCATTERING=Shkuratov SPECTRO=H2O TAXO=BB						
	Pei+12 q SPECTRUM=Water ice						
	Rab+08 BETA=0.076/0.029						
	Rab+08 FAMILY=2003EL61						
	RB07 FAMILY=2003EL61 SPECTRUM=Strong water ice						
55637-2002 UX_{25}	Classic Ht	12	2	3.521 ± 0.034			
	15.798 ± 1.269	0.979 ± 0.038 ± 0.023	0.552 ± 0.026 ± 0.010	—±—±—	—±—±—	0.352 ± 0.072 ± 0.052	0.040 ± 0.072 ± 0.000
	For+13 nodate ThermalIR tel=S+H hmag=3.87/0.02 emi=0.9/- diam=697.2/-24.5/+23 pV=0.107/-0.008/+0.005 freeta=1.07/-0.05/+0.08						
	Ful+08 TAXO=IR						
	Pei+12 g SPECTRUM=Water ice						
55638-2002 VE_{95}	Res. 3:2	10	1	5.150 ± 0.050			
	38.547 ± 2.722	1.094 ± 0.052 ± 0.021	0.733 ± 0.038 ± 0.009	0.760 ± 0.120 ± 0.000	2.220 ± 0.057 ± 0.000	0.364 ± 0.072 ± 0.022	0.035 ± 0.075 ± 0.008
	BAR+06 MODELING=Intimate mixture amorphous H2O+CH3OH+Titan tholin+Triton tholin+amorphous carbon+olivine RANGE=(0.4-2.4)mu SCATTERING=Shkuratov SPECTRO=H2O+CH3OH TAXO=RR						
	BAR+06 MODELING=Intimate mixture amorphous H2O+CH3OH+Titan tholin+Triton tholin+amorphous carbon RANGE=(0.4-2.4)mu SCATTERING=Hapke SPECTRO=H2O+CH3OH TAXO=RR						
	Ful+08 TAXO=RR						
	Mom+12 nodate ThermalIR tel=S+H hmag=5.7/0.06 emi=0.9/- diam=249.8/-13.1/+13.5 pV=0.149/-0.016/+0.019 freeta=1.4/-0.11/+0.12						
	Pei+12 g SPECTRUM=Methanol						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1]	Epochs[2]	Multiple[3]	M11 $\pm\sigma$			
	Grt $\pm\sigma$	B-V $\pm\sigma \pm d$	V-R $\pm\sigma \pm d$	R-I $\pm\sigma \pm d$	V-J $\pm\sigma \pm d$	J-H $\pm\sigma \pm d$	H-K $\pm\sigma \pm d$
56968-2000 SA_{92}	J.Trojan	1	1	11.550 ± 0.059			
	13.013 ± 1.374	0.986 ± 0.040 ± 0.000	0.494 ± 0.033 ± 0.000	0.509 ± 0.049 ± 0.000	—±—±—	—±—±—	—±—±—
58534-Logos	Classic Cd	7	2	6.754 ± 0.181			
	26.351 ± 4.789	0.990 ± 0.127 ± 0.000	0.729 ± 0.120 ± 0.064	0.602 ± 0.119 ± 0.015	—±—±—	0.498 ± 0.340 ± 0.132	—±—±—
	Ful+08 TAXO=RR						
	MPC nodate 1997 CQ29						
58534-Logos+B	Classic Cd	1	2	—±—			
	17.578 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
59358-1999 CL_{158}	Scattered	1	1	6.650 ± 0.090			
	5.546 ± 2.064	0.800 ± 0.060 ± 0.000	0.390 ± 0.040 ± 0.000	0.470 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR						
60454-2000 CH_{105}	Classic Cd	2	1	6.371 ± 0.093			
	25.350 ± 3.158	1.019 ± 0.086 ± 0.000	0.643 ± 0.096 ± 0.048	0.583 ± 0.095 ± 0.061	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
60458-2000 CM_{114}	Detached	2	2	6.969 ± 0.040			
	11.545 ± 1.858	0.730 ± 0.020 ± 0.000	0.500 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
60458-2000 CM_{114} B	Detached	1	2	—±—			
	13.041 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
60558-Echeclus	Centaur	12	1	9.501 ± 0.125			
	11.324 ± 3.273	0.841 ± 0.072 ± 0.023	0.502 ± 0.065 ± 0.021	0.486 ± 0.095 ± 0.034	1.480 ± 0.072 ± 0.000	0.466 ± 0.125 ± 0.100	0.340 ± 0.083 ± 0.000
	Duf+14 nodate ThermalIR tel=S+H hmag=9.78/0.14 emi=0.9/- diam=65/-2/+2 pV=0.052/-0.007/+0.007 freeta=0.86/-0.04/+0.04						
	Ful+08 TAXO=BR						
	J09 aka 174P						
	J09 Cometary activity, burst late 2005, complex coma						
60608-2000 EE_{173}	Scattered	3	1	8.135 ± 0.179			
	13.198 ± 1.827	0.665 ± 0.032 ± 0.015	0.488 ± 0.029 ± 0.005	0.543 ± 0.056 ± 0.007	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR						
60620-2000 FD_8	Res.other	3	1	6.500 ± 0.221			
	30.813 ± 3.016	1.151 ± 0.110 ± 0.021	0.664 ± 0.078 ± 0.012	0.648 ± 0.070 ± 0.033	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
60621-2000 FE_8	Res.other	3	2	6.503 ± 0.062			
	11.433 ± 1.500	0.750 ± 0.024 ± 0.000	0.480 ± 0.020 ± 0.000	0.500 ± 0.050 ± 0.000	—±—±—	0.470 ± 0.277 ± 0.000	—±—±—
	Ful+08 TAXO=BR						
63252-2001 BL_{41}	Centaur	11	1	11.058 ± 0.064			
	13.807 ± 2.421	0.718 ± 0.049 ± 0.043	0.509 ± 0.044 ± 0.015	0.381 ± 0.160 ± 0.151	—±—±—	0.365 ± 0.071 ± 0.005	0.255 ± 0.101 ± 0.054
	Duf+14 nodate ThermalIR tel=S hmag=11.34/0.21 emi=0.9/- diam=34.6/-6.1/+6.6 pV=0.043/-0.014/+0.028 fixeta=1.2/-0.35/+0.35						
	Ful+08 TAXO=BR						
65150-2002 CA_{126}	J.Trojan	1	1	—±—			
	3.241 ± 1.724	0.651 ± 0.051 ± 0.000	0.377 ± 0.044 ± 0.000	0.407 ± 0.064 ± 0.000	—±—±—	—±—±—	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1] Grt $\pm\sigma$	Epochs[2] B-V $\pm\sigma\pm d$	Multiple[3] V-R $\pm\sigma\pm d$	M11 $\pm\sigma$ R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
65225-2002 EK_{44}	J.Trojan	1	1	—±—			
	1.982 ± 1.783	0.693 ± 0.052 ± 0.000	0.401 ± 0.044 ± 0.000	0.334 ± 0.065 ± 0.000	—±—±—	—±—±—	—±—±—
65407-2002 RP_{120}	Scattered	3	1	12.813 ± 0.060			
	11.696 ± 1.483	0.846 ± 0.033 ± 0.016	0.489 ± 0.028 ± 0.009	0.484 ± 0.034 ± 0.022	—±—±—	—±—±—	—±—±—
65489-Ceto	Scattered	9	2	6.288 ± 0.062			
	14.362 ± 2.974	0.879 ± 0.052 ± 0.016	0.547 ± 0.050 ± 0.011	0.411 ± 0.153 ± 0.105	—±—±—	—±—±—	—±—±—
	Pei+12 g SPECTRUM=Water ice						
	SaS+12 nodate ThermalIR tel=S+H hmag=6.54/0.06 emi=0.9/- diam=281/-11/+11 pV=0.056/-0.006/+0.006 freeta=1.04/-0.05/+0.05						
65489-Ceto+B	Scattered	1	2	—±—			
	13.527 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
66452-1999 OF_4	Classic Cd	3	1	6.325 ± 0.080			
	26.708 ± 3.878	1.032 ± 0.106 ± 0.000	0.673 ± 0.083 ± 0.000	0.601 ± 0.080 ± 0.000	—±—±—	0.380 ± 0.253 ± 0.000	—±—±—
	Ful+08 TAXO=RR						
66652-Borasisi	Classic Cd	8	2	5.422 ± 0.056			
	33.831 ± 2.714	0.820 ± 0.170 ± 0.000	0.646 ± 0.058 ± 0.000	0.647 ± 0.062 ± 0.000	2.010 ± 0.067 ± 0.000	0.457 ± 0.162 ± 0.054	0.100 ± 0.094 ± 0.000
	Ful+08 TAXO=RR						
	MPC nodate 1999 RZ253						
	Vil+14 nodate ThermalIR tel=S+H hmag=6.121/0.07 emi=0.9/- diam=163/-66/+32 pV=0.236/-0.077/+0.438 freeta=0.77/-0.47/+0.19						
66652-Borasisi+B	Classic Cd	1	2	—±—			
	41.482 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
69986-1998 WW_{24}	Res. 3:2	3	1	7.968 ± 0.085			
	17.966 ± 2.895	0.756 ± 0.112 ± 0.071	0.463 ± 0.081 ± 0.047	0.659 ± 0.104 ± 0.074	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR						
69987-1998 WA_{25}	Classic Cd	1	1	—±—			
	17.056 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
69988-1998 WA_{31}	Res.other	2	1	7.356 ± 0.122			
	13.652 ± 6.704	0.786 ± 0.129 ± 0.000	0.492 ± 0.133 ± 0.033	0.530 ± 0.183 ± 0.118	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR						
	MPC08 Resonant 2:5						
69990-1998 WU_{31}	Res. 3:2	1	1	8.209 ± 0.073			
	23.278 ± 3.272	0.720 ± 0.089 ± 0.000	0.505 ± 0.086 ± 0.000	0.722 ± 0.087 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
73480-2002 PN_{34}	Scattered	13	1	8.499 ± 0.047			
	12.181 ± 1.208	0.818 ± 0.095 ± 0.094	0.514 ± 0.036 ± 0.023	—±—±—	1.680 ± 0.058 ± 0.000	0.458 ± 0.098 ± 0.036	0.200 ± 0.078 ± 0.000
	Pei+12 j SPECTRUM=Water ice						
	SaS+12 nodate ThermalIR tel=S+H hmag=8.66/0.03 emi=0.9/- diam=112/-7/+7 pV=0.049/-0.006/+0.006 freeta=1.02/-0.09/+0.07						
76804-2000 QE	J.Trojan	1	1	12.127 ± 0.135			
	7.871 ± 2.878	0.803 ± 0.082 ± 0.000	0.446 ± 0.070 ± 0.000	0.443 ± 0.106 ± 0.000	—±—±—	—±—±—	—±—±—
78799-2002 XW_{93}	Classic Ht	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Vil+12 nodate ThermalIR tel=H hmag=5.4/0.7 emi=0.9/- diam=565/-73/+71 pV=0.038/-0.025/+0.043 freeta=0.79/-0.24/+0.27						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute *R* magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1] Grt $\pm\sigma$	Epochs[2] B-V $\pm\sigma \pm d$	Multiple[3] V-R $\pm\sigma \pm d$	M11 $\pm\sigma$ R-I $\pm\sigma \pm d$	V-J $\pm\sigma \pm d$	J-H $\pm\sigma \pm d$	H-K $\pm\sigma \pm d$
79360-Sila-Nunam	Classic Cd	16	2	4.989 ± 0.060			
	28.475 ± 2.382	1.055 ± 0.079 ± 0.036	0.666 ± 0.054 ± 0.025	0.609 ± 0.057 ± 0.033	2.073 ± 0.134 ± 0.087	0.356 ± 0.150 ± 0.022	0.104 ± 0.176 ± 0.106
	Ful+08 TAXO=RR						
	MPC nodate 1997 CS29						
	Pei+12 k SPECTRUM=Featureless						
	Vil+12 nodate ThermalIR tel=S+H hmag=5.56/0.04 emi=0.9/- diam=343/-42/+42 pV=0.09/-0.017/+0.027 freeta=1.36/-0.19/+0.21						
79360-Sila-Nunam+B	Classic Cd	1	2	—±—			
	31.690 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
79978-1999 CC_{158}	Res.other	2	1	5.353 ± 0.097			
	24.869 ± 2.974	0.996 ± 0.066 ± 0.022	0.611 ± 0.052 ± 0.027	0.619 ± 0.075 ± 0.046	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=IR						
79983-1999 DF_9	Classic Ht	1	1	5.792 ± 0.110			
	33.944 ± 2.164	0.920 ± 0.060 ± 0.000	0.710 ± 0.050 ± 0.000	0.650 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
80806-2000 CM_{105}	Classic Cd	2	2	—±—			
	32.348 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	0.360 ± 0.256 ± 0.000	—±—±—
82075-2000 YW_{134}	Res.other	14	1	4.381 ± 0.046			
	16.483 ± 2.187	0.922 ± 0.053 ± 0.018	0.503 ± 0.052 ± 0.032	0.581 ± 0.059 ± 0.034	—±—±—	0.358 ± 0.153 ± 0.022	—±—±—
	Ful+08 TAXO=BR						
82155-2001 FZ_{173}	Scattered	9	1	5.807 ± 0.024			
	15.975 ± 1.446	0.864 ± 0.023 ± 0.004	0.546 ± 0.026 ± 0.015	0.508 ± 0.036 ± 0.018	—±—±—	0.171 ± 0.118 ± 0.000	—±—±—
	Ful+08 TAXO=IR						
82158-2001 FP_{185}	Scattered	8	1	5.941 ± 0.054			
	16.010 ± 2.281	0.820 ± 0.048 ± 0.025	0.572 ± 0.038 ± 0.016	0.458 ± 0.078 ± 0.056	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=IR						
	SaS+12 nodate ThermalIR tel=S+H hmag=6.39/0.07 emi=0.9/- diam=332/-24/+31 pV=0.046/-0.007/+0.007 freeta=1.23/-0.19/+0.24						
83982-Crantor	Centaur	18	1	8.644 ± 0.057			
	39.225 ± 1.992	1.105 ± 0.042 ± 0.018	0.761 ± 0.039 ± 0.012	0.667 ± 0.055 ± 0.006	—±—±—	0.380 ± 0.067 ± 0.011	-0.140 ± 0.064 ± 0.000
	Duf+14 nodate ThermalIR tel=S hmag=9.03/0.16 emi=0.9/- diam=59/-12/+11 pV=0.121/-0.038/+0.064 fixeta=1.2/-0.35/+0.35						
	Ful+08 TAXO=RR						
84522-2002 TC_{302}	Res.other	4	1	3.718 ± 0.025			
	29.739 ± 1.432	1.067 ± 0.050 ± 0.044	0.655 ± 0.025 ± 0.015	0.660 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—
	For+13 nodate ThermalIR tel=S+H hmag=4.17/0.1 emi=0.9/- diam=584.1/-88/+105.6 pV=0.115/-0.033/+0.047 freeta=1.09/-0.25/+0.37						
	MPC08 Resonant 2:5						
	Pei+12 g SPECTRUM=Water ice						
	Rab+08 BETA=0.118/0.040						
84709-2002 VW_{120}	J.Trojan	1	1	12.476 ± 0.158			
	12.794 ± 3.419	0.855 ± 0.087 ± 0.000	0.462 ± 0.090 ± 0.000	0.548 ± 0.130 ± 0.000	—±—±—	—±—±—	—±—±—
84719-2002 VR_{128}	Res. 3:2	3	1	4.989 ± 0.030			
	23.288 ± 2.107	0.935 ± 0.030 ± 0.005	0.605 ± 0.021 ± 0.005	—±—±—	—±—±—	—±—±—	—±—±—
	Mom+12 nodate ThermalIR tel=H hmag=5.58/0.37 emi=0.9/- diam=448.5/-43.2/+42.1 pV=0.052/-0.018/+0.027 fixeta=1.2/-0.35/+0.35						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[(1)] / Grt $\pm\sigma$	Epochs[(2)] / B-V $\pm\sigma \pm d$	Multiple[(3)] / V-R $\pm\sigma \pm d$	M11 $\pm\sigma$ / R-I $\pm\sigma \pm d$	V-J $\pm\sigma \pm d$	J-H $\pm\sigma \pm d$	H-K $\pm\sigma \pm d$
84922-2003 VS$_2$	Res. 3:2	3	1	3.818 ± 0.030			
	21.706 ± 2.057	0.930 ± 0.020 ± 0.000	0.590 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
	Mom+12 nodate ThermalIR tel=S+H hmag=4.11/0.38 emi=0.9/- diam=523/-34.4/+35.1 pV=0.147/-0.043/+0.063 freeta=1.57/-0.23/+0.3						
	Pei+12 g SPECTRUM=Water ice						
85627-1998 HP$_{151}$	Classic Cd	1	1	—±—			
	25.429 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
85633-1998 KR$_{65}$	Classic Cd	4	1	6.598 ± 0.206			
	30.583 ± 2.821	1.095 ± 0.080 ± 0.070	0.628 ± 0.066 ± 0.043	0.790 ± 0.081 ± 0.050	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
86047-1999 OY$_3$	Classic Ht	5	1	6.398 ± 0.147			
	-3.527 ± 2.148	0.726 ± 0.037 ± 0.018	0.345 ± 0.046 ± 0.031	0.277 ± 0.076 ± 0.049	—±—±—	-0.380 ± 0.256 ± 0.000	—±—±—
	RB07 FAMILY=2003EL61 Visible and IR colors of strong water ice						
	SNO+10 magR FAMILY=2003EL61 LIGHTCURVE=						
86177-1999 RY$_{215}$	Classic Ht	4	1	7.432 ± 0.077			
	3.838 ± 3.476	0.719 ± 0.123 ± 0.078	0.358 ± 0.090 ± 0.000	0.631 ± 0.185 ± 0.163	—±—±—	0.470 ± 0.286 ± 0.000	—±—±—
	Ful+08 TAXO=BR						
	SNO+10 magR FAMILY=2003EL61 LIGHTCURVE=						
	Vil+14 nodate ThermalIR tel=H hmag=7.235/0.093 emi=0.9/- diam=263/-37/+29 pV=0.0388/-0.0065/+0.0122 fixeta=1.2/-0.35/+0.35						
87269-2000 OO$_{67}$	Scattered	3	1	9.035 ± 0.155			
	26.481 ± 2.592	1.080 ± 0.092 ± 0.000	0.654 ± 0.081 ± 0.041	0.593 ± 0.055 ± 0.027	—±—±—	—±—±—	—±—±—
87555-2000 QB$_{243}$	Scattered	6	1	8.444 ± 0.129			
	5.554 ± 5.948	0.763 ± 0.086 ± 0.008	0.383 ± 0.083 ± 0.026	0.729 ± 0.198 ± 0.170	1.480 ± 0.108 ± 0.007	0.592 ± 0.152 ± 0.068	—±—±—
	Ful+08 TAXO=U						
88269-2001 KF$_{77}$	Centaur	1	1	10.024 ± 0.020			
	37.354 ± 1.301	1.080 ± 0.040 ± 0.000	0.730 ± 0.010 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
88611-Teharonhia	Classic Cd	2	2	—±—			
	5.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	MPC nodate 2001 QT297						
	Vil+14 nodate ThermalIR tel=S+H hmag=6/0.13 emi=0.9/- diam=220/-44/+41 pV=0.145/-0.045/+0.086 freeta=1.08/-0.28/+0.3						
88611-Teharonhia+B	Classic Cd	1	2	—±—			
	4.612 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
90377-Sedna	Detached	9	1	1.118 ± 0.058			
	35.348 ± 2.475	1.179 ± 0.069 ± 0.044	0.739 ± 0.047 ± 0.027	0.654 ± 0.068 ± 0.013	2.320 ± 0.060 ± 0.000	0.388 ± 0.138 ± 0.056	0.050 ± 0.314 ± 0.000
	BAR+05 MODELING=intimate mixture Triton tholin+amorphous carbon+N2+CH3OH+CH4 contaminated by small inclusions of Titan tholin RANGE=(0.49-2.5)mu SCATTERING=Shkuratov SPECTRO=CH4 TAXO=RR						
	Ful+08 TAXO=RR						
	MPC nodate 2003 VB12						
	Pal+12, nodate ThermalIR tel=H hmag=1.83/0.05 emi=0.9/- diam=990/-95/+95 pV=0.336/-0.072/+0.072 freeta=0.95/-0.43/+0.43 using a Thermophysical model						
	Pei+12 l SPECTRUM=Methane						
90482-Orcus	Res. 3:2	12	2	2.000 ± 0.053			
	2.486 ± 1.520	0.670 ± 0.034 ± 0.014	0.376 ± 0.027 ± 0.004	0.372 ± 0.038 ± 0.015	1.070 ± 0.042 ± 0.000	0.130 ± 0.057 ± 0.025	0.022 ± 0.073 ± 0.052
	For+13 bulk density for A+B density=1.53+0.15-0.13						
	For+13 nodate ThermalIR tel=S+H hmag=2.31/0.03 emi=0.9/- diam=958.4/-22.9/+22.9 pV=0.231/-0.011/+0.018 freeta=0.97/-0.02/+0.05 Includes SPIRE						
	Ful+08 TAXO=BB						
	MPC nodate 2004 DW						
	Pei+12 m SPECTRUM=Methane						

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Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1] / Grt $\pm\sigma$	Epochs[2] / B-V $\pm\sigma\pm d$	Multiple[3] / V-R $\pm\sigma\pm d$	M11 $\pm\sigma$ / R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
90568-2004 GV_9	Classic Ht	4	1	3.781 ± 0.030			
	19.705 ± 1.028	0.895 ± 0.061 ± 0.054	0.520 ± 0.020 ± 0.000	—±—±—	1.570 ± 0.058 ± 0.000	0.340 ± 0.094 ± 0.000	0.140 ± 0.094 ± 0.000
	Pei+12 h SPECTRUM=Featureless Rab+08 BETA=0.127/0.011 Vil+12 nodate ThermalIR tel=S+H hmag=4.23/0.1 emi=0.9/- diam=680/-34/+34 pV=0.077/-0.0077/+0.0084 freeta=1.93/-0.07/+0.09						
91133-1998 HK_{151}	Res. 3:2	6	1	6.933 ± 0.075			
	9.775 ± 2.589	0.645 ± 0.121 ± 0.101	0.520 ± 0.062 ± 0.033	0.390 ± 0.061 ± 0.017	1.570 ± 0.092 ± 0.000	—±—±—	—±—±—
	Ful+08 TAXO=BR						
91205-1998 US_{43}	Res. 3:2	2	1	7.856 ± 0.078			
	4.463 ± 3.403	0.691 ± 0.102 ± 0.000	0.446 ± 0.095 ± 0.000	0.347 ± 0.094 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR						
91554-1999 RZ_{215}	Scattered	1	1	8.073 ± 0.079			
	19.081 ± 3.401	0.771 ± 0.097 ± 0.000	0.575 ± 0.090 ± 0.000	0.539 ± 0.091 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=IR-RR						
95626-2002 GZ_{32}	Centaur	19	1	6.713 ± 0.156			
	16.992 ± 2.947	0.674 ± 0.043 ± 0.029	0.576 ± 0.054 ± 0.041	0.538 ± 0.067 ± 0.057	—±—±—	0.442 ± 0.113 ± 0.080	—±—±—
	Duf+14 nodate ThermalIR tel=S+H hmag=7.37/0.1 emi=0.9/- diam=237/-8/+8 pV=0.037/-0.004/+0.004 freeta=0.97/-0.07/+0.05 Ful+08 TAXO=BR						
99328-2001 UY_{123}	J.Trojan	1	1	12.598 ± 0.103			
	12.496 ± 2.292	0.890 ± 0.058 ± 0.000	0.537 ± 0.056 ± 0.000	0.434 ± 0.084 ± 0.000	—±—±—	—±—±—	—±—±—
105685-2000 SC_{51}	J.Trojan	1	1	12.693 ± 0.097			
	8.131 ± 2.099	1.016 ± 0.055 ± 0.000	0.444 ± 0.059 ± 0.000	0.452 ± 0.081 ± 0.000	—±—±—	—±—±—	—±—±—
111113-2001 VK_{85}	J.Trojan	1	1	12.618 ± 0.086			
	13.245 ± 1.864	0.822 ± 0.063 ± 0.000	0.462 ± 0.048 ± 0.000	0.558 ± 0.069 ± 0.000	—±—±—	—±—±—	—±—±—
118228-1996 TQ_{66}	Res. 3:2	7	1	7.251 ± 0.195			
	38.250 ± 4.976	1.186 ± 0.118 ± 0.030	0.670 ± 0.096 ± 0.034	0.746 ± 0.113 ± 0.005	2.435 ± 0.128 ± 0.009	—±—±—	—±—±—
	Ful+08 TAXO=RR						
118379-1999 HC_{12}	Classic Ht	3	1	7.850 ± 0.125			
	12.620 ± 6.899	0.894 ± 0.163 ± 0.000	0.490 ± 0.138 ± 0.000	0.343 ± 0.125 ± 0.000	—±—±—	0.490 ± 0.298 ± 0.000	—±—±—
	Ful+08 TAXO=BR						
118702-2000 OM_{67}	Detached	1	1	7.078 ± 0.030			
	14.444 ± 1.982	0.820 ± 0.057 ± 0.000	0.470 ± 0.040 ± 0.000	0.590 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—
119068-2001 KC_{77}	Res.other	1	1	6.817 ± 0.030			
	18.607 ± 1.301	0.910 ± 0.010 ± 0.000	0.560 ± 0.010 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
	MPC08 Resonant 2:5						
119070-2001 KP_{77}	Res.other	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.370 ± 0.235 ± 0.000	—±—±—
	Ful+08 TAXO=IR MPC08 Resonant 4:7						

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Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[(1)] Grt $\pm\sigma$	Epochs[(2)] B-V $\pm\sigma\pm d$	Multiple[(3)] V-R $\pm\sigma\pm d$	M11 $\pm\sigma$ R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
119315-2001 SQ_{73}	Centaur	2	1	8.900 ± 0.030			
	8.875 ± 1.301	0.670 ± 0.020 ± 0.000	0.460 ± 0.010 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
	Duf+14 nodate ThermalIR tel=S hmag=9.15/0.11 emi=0.9/- diam=90/-20/+23 pV=0.048/-0.018/+0.03 fixeta=1.2/-0.35/+0.35						
119951-2002 KX_{14}	Classic Cd	6	1	4.345 ± 0.039			
	25.903 ± 1.567	1.050 ± 0.038 ± 0.020	0.607 ± 0.020 ± 0.003	—±—±—	—±—±—	—±—±—	—±—±—
	Pei+12 h SPECTRUM=Featureless						
	Vil+12 nodate ThermalIR tel=S+H hmag=4.86/0.1 emi=0.9/- diam=455/-27/+27 pV=0.097/-0.013/+0.014 freeta=1.79/-0.15/+0.16						
119976-2002 VR_{130}	Centaur	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Duf+14 nodate ThermalIR tel=S hmag=11.26/0.39 emi=0.9/- diam=24.4/-4.6/+5.4 pV=0.093/-0.036/+0.066 fixeta=1.2/-0.35/+0.35						
119979-2002 WC_{19}	Res.other	3	2	4.204 ± 0.050			
	27.307 ± 2.636	1.040 ± 0.050 ± 0.000	0.630 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
	Lel+13 nodate ThermalIR tel=S+H hmag=4.88/0.07 emi=0.9/- diam=348/-45/+45 pV=0.167/-0.037/+0.052 freeta=1.12/-0.17/+0.16						
	MPC08 Resonant 1:2						
120061-2003 CO_{1}	Centaur	17	1	8.993 ± 0.086			
	10.850 ± 2.221	0.743 ± 0.039 ± 0.003	0.472 ± 0.036 ± 0.007	0.494 ± 0.080 ± 0.036	—±—±—	0.326 ± 0.091 ± 0.041	—±—±—
	Duf+14 nodate ThermalIR tel=S+H hmag=9.07/0.05 emi=0.9/- diam=94/-5/+5 pV=0.049/-0.006/+0.005 freeta=1.23/-0.11/+0.12						
120132-2003 FY_{128}	Detached	7	1	4.463 ± 0.043			
	21.977 ± 2.531	1.021 ± 0.042 ± 0.030	0.614 ± 0.039 ± 0.010	0.540 ± 0.076 ± 0.025	1.640 ± 0.058 ± 0.000	0.360 ± 0.078 ± 0.000	0.110 ± 0.085 ± 0.000
	Pei+12 g SPECTRUM=Water ice						
	SaS+12 nodate ThermalIR tel=S+H hmag=5.09/0.09 emi=0.9/- diam=460/-21/+21 pV=0.079/-0.01/+0.01 freeta=1.07/-0.08/+0.08						
120178-2003 OP_{32}	Classic Ht	6	1	3.750 ± 0.083			
	0.506 ± 2.059	0.662 ± 0.057 ± 0.015	0.375 ± 0.044 ± 0.007	0.305 ± 0.078 ± 0.029	—±—±—	—±—±—	—±—±—
	Rab+08 BETA=0.040/0.022						
	Rab+08 FAMILY=2003EL61						
	RB07 FAMILY=2003EL61 SPECTRUM=Strong water ice						
120181-2003 UR_{292}	Classic Ht	3	1	7.115 ± 0.097			
	26.521 ±11.645	1.025 ± 0.091 ± 0.015	0.635 ± 0.126 ± 0.105	—±—±—	—±—±—	—±—±—	—±—±—
	Vil+14 nodate ThermalIR tel=H hmag=7.4/0.4 emi=0.9/- diam=136/-26/+16 pV=0.105/-0.033/+0.081 fixeta=1.2/-0.35/+0.35						
120216-2004 EW_{95}	Res. 3:2	6	1	6.301 ± 0.056			
	-0.713 ± 2.407	0.693 ± 0.037 ± 0.005	0.375 ± 0.033 ± 0.010	0.215 ± 0.090 ± 0.055	—±—±—	—±—±—	—±—±—
	Mom+12 nodate ThermalIR tel=H hmag=6.69/0.35 emi=0.9/- diam=291.1/-25.9/+20.3 pV=0.044/-0.015/+0.021 fixeta=1.2/-0.35/+0.35						
120347-Salacia	Classic Ht	6	2	4.005 ± 0.100			
	6.370 ± 2.013	0.664 ± 0.098 ± 0.072	0.403 ± 0.061 ± 0.012	0.433 ± 0.118 ± 0.036	—±—±—	—±—±—	—±—±—
	For+13 bulk density for A+B density=1.29+0.29-0.23						
	For+13 nodate ThermalIR tel=S+H hmag=4.25/0.05 emi=0.9/- diam=901/-45/+45 pV=0.044/-0.004/+0.004 freeta=1.16/-0.03/+0.03						
	RB07 FAMILY=2003EL61						
	SNO+10 magR FAMILY=2003EL61 LIGHTCURVE==0.2						

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Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[(1)] Grt $\pm\sigma$	Epochs[(2)] B-V $\pm\sigma\pm d$	Multiple[(3)] V-R $\pm\sigma\pm d$	M11 $\pm\sigma$ R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
120347-Salacia+B	Classic Ht	1	2	—±—			
	7.982 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
120348-2004 TY_{364}	Res. 3:2	5	1	4.109 ± 0.045			
	22.641 ± 2.286	1.059 ± 0.089 ± 0.000	0.601 ± 0.028 ± 0.001	0.520 ± 0.057 ± 0.000	—±—±—	0.450 ± 0.058 ± 0.000	0.030 ± 0.094 ± 0.000
	Lel+13 nodate ThermalIR tel=S+H hmag=4.52/0.07 emi=0.9/- diam=512/-40/+37 pV=0.107/-0.015/+0.02 freeta=1.55/-0.1/+0.15						
120453-1988 RE_{12}	J.Trojan	1	1	13.169 ± 0.189			
	6.453 ± 3.884	0.826 ± 0.132 ± 0.000	0.388 ± 0.108 ± 0.000	0.483 ± 0.151 ± 0.000	—±—±—	—±—±—	—±—±—
121725-Aphidas	Centaur	10	1	8.517 ± 0.123			
	30.600 ± 5.205	1.060 ± 0.089 ± 0.049	0.648 ± 0.116 ± 0.047	0.679 ± 0.123 ± 0.077	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
123509-2000 WK_{183}	Classic Cd	1	2	—±—			
	29.751 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
123509-2000 WK_{183} B	Classic Cd	1	2	—±—			
	26.029 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
124729-2001 SB_{173}	J.Trojan	1	1	12.582 ± 0.107			
	10.320 ± 2.774	0.992 ± 0.060 ± 0.000	0.503 ± 0.064 ± 0.000	0.424 ± 0.101 ± 0.000	—±—±—	—±—±—	—±—±—
127546-2002 XU_{93}	Scattered	4	1	8.001 ± 0.053			
	6.070 ± 1.988	0.731 ± 0.034 ± 0.025	0.410 ± 0.036 ± 0.030	0.443 ± 0.060 ± 0.051	—±—±—	—±—±—	—±—±—
	SaS+12 nodate ThermalIR tel=S+H hmag=8.11/0.1 emi=0.9/- diam=164/-9/+9 pV=0.038/-0.004/+0.004 freeta=1.12/-0.08/+0.05						
129772-1999 HR_{11}	Classic Cd	1	1	—±—			
	28.264 ± 4.298	0.920 ± 0.120 ± 0.000	0.530 ± 0.100 ± 0.000	0.800 ± 0.070 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR-IR						
130391-2000 JG_{81}	Res.other	2	1	7.746 ± 0.059			
	3.743 ± 4.431	—±—±—	0.370 ± 0.128 ± 0.000	0.430 ± 0.134 ± 0.000	—±—±—	—±—±—	—±—±—
	MPC08 Resonant 1:2						
131695-2001 XS_{254}	Res.other	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.420 ± 0.260 ± 0.000	—±—±—
133067-2003 FB_{128}	Res. 3:2	2	1	7.023 ± 0.297			
	-3.930 ± 0.000	—±—±—	0.313 ± 0.154 ± 0.015	—±—±—	—±—±—	—±—±—	—±—±—
134340-Pluto	Res. 3:2	4	6	-0.886 ± 0.400			
	7.607 ± 0.681	0.867 ± 0.016 ± 0.009	0.515 ± 0.035 ± 0.029	0.400 ± 0.010 ± 0.000	—±—±—	—±—±—	—±—±—
134340-Pluto+A	Res. 3:2	1	6	—±—			
	21.500 ± 0.000	0.958 ± 0.002 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Bui+10 Colour has changed between 2000 and 2003						
	Bui+92 ThermalIR Mutual Event: diam=2300./14/14 pV=0.52/.20/.20						
134340-Pluto+B	Res. 3:2	2	6	—±—			
	4.278 ± 0.000	0.722 ± 0.012 ± 0.011	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Bui+92 ThermalIR Mutual Event: diam=1186./20/14 pV=0.38/.05/.20						
134340-Pluto+C	Res. 3:2	1	6	—±—			
	-2.234 ± 0.000	0.644 ± 0.028 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1] / Grt $\pm\sigma$	Epochs[2] / B-V $\pm\sigma \pm d$	Multiple[3] / V-R $\pm\sigma \pm d$	M11 $\pm\sigma$ / R-I $\pm\sigma \pm d$	V-J $\pm\sigma \pm d$	J-H $\pm\sigma \pm d$	H-K $\pm\sigma \pm d$
134340-Pluto+D	Res. 3:2	1	6	—±—			
	18.074 ± 0.000	0.907 ± 0.031 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
134860-2000 OJ_{67}	Classic Cd	5	2	6.003 ± 0.120			
	26.378 ± 3.102	1.050 ± 0.060 ± 0.000	0.670 ± 0.050 ± 0.000	0.600 ± 0.070 ± 0.000	—±—±—	0.305 ± 0.162 ± 0.058	0.070 ± 0.139 ± 0.000
	Ful+08 TAXO=RR						
134860-2000 OJ_{67} B	Classic Cd	1	2	—±—			
	33.683 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
135182-2001 QT_{322}	Classic Cd	2	1	—±—			
	15.584 ±11.076	0.710 ± 0.060 ± 0.000	0.530 ± 0.120 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
	Vil+14 nodate ThermalIR tel=S+H hmag=7.29/0.67 emi=0.9/- diam=159/-47/+30 pV=0.085/-0.052/+0.424 fixeta=1.2/-0.35/+0.35						
136108-Haumea	Classic Ht	10	2	0.214 ± 0.030			
	-0.269 ± 1.852	0.633 ± 0.045 ± 0.018	0.353 ± 0.048 ± 0.021	0.330 ± 0.044 ± 0.026	1.051 ± 0.020 ± 0.000	-0.044 ± 0.037 ± 0.000	-0.111 ± 0.048 ± 0.000
	For+13 nodate ThermalIR tel=S+H hmag=0.43/0.11 emi=0.9/- diam=1239.5/-57.8/+68.7 pV=0.804/-0.095/+0.062 freeta=0.95/-0.26/+0.33 Includes SPIRE						
	Ful+08 TAXO=BB						
	Lac09 SIZE=2000x1600x1000km ROTATION=3.9h DENSITY=2.6 surface feature dark red spot						
	MPC nodate 2003 EL61						
	PA+09 FAMILY=2003EL61 MODELING=Intimate mixture crystalline water ice+amorphous water ice+minor constituents(upper limit 8RANGE=(0.35-2.5)mu SCATTERING=Hapke SPECTRO=H2O TAXO=BB						
	Pei+12 n SPECTRUM=Water ice						
	Rab+08 BETA=0.097/0.007						
	Rab+08 FAMILY=2003EL61						
	Tru+07 FAMILY=2003EL61 MODELING=Areal mixture crystalline water ice+near-infrared blue component(HCN or kaolinite) RANGE=(1.2-2.35)mu SCATTERING=Hapke SPECTRO=H2O TAXO=BB						
136120-2003 LG_7	Res.other	1	1	8.320 ± 0.050			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	MPC08 Resonant 1:3						
136199-Eris	Detached	68	2	-1.461 ± 0.036			
	3.870 ± 0.823	0.781 ± 0.032 ± 0.027	0.393 ± 0.047 ± 0.009	0.363 ± 0.061 ± 0.020	0.849 ± 0.108 ± 0.083	0.066 ± 0.076 ± 0.015	-0.290 ± 0.082 ± 0.010
	Ful+08 TAXO=BB						
	Lel+13 nodate ThermalIR tel=H hmag=-1.12/0.03 emi=0.9/- diam=2326/-12/+12 pV=0.96/-0.04/+0.04 freeta=0.87/-0.41/+0.26 Size and albedo from occultation (2011Natur.478..493S)						
	MPC nodate 2003 UB313						
136204-2003 WL_7	Centaur	5	1	8.667 ± 0.072			
	2.187 ± 1.972	0.720 ± 0.067 ± 0.024	0.480 ± 0.039 ± 0.017	—±—±—	—±—±—	—±—±—	—±—±—
	Duf+14 nodate ThermalIR tel=S+H hmag=8.75/0.16 emi=0.9/- diam=105/-7/+6 pV=0.053/-0.01/+0.01 freeta=1.02/-0.05/+0.07						
136472-Makemake	Classic Ht	4	1	-0.322 ± 0.030			
	5.321 ± 0.874	0.840 ± 0.024 ± 0.011	0.480 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
	Br+07 MODELING=Intimate mixture methane+ethane+tholin RANGE=(0.3-2.5)mu SCATTERING=Hapke SPECTRO=CH4						
	Lel+13 nodate ThermalIR tel=H hmag=0.14/0.05 emi=0.9/- diam=1430/-9/+9 pV=0.77/-0.02/+0.02 freeta=2.29/-0.4/+0.46 Size and albedo from occultation (2012Natur.491..566O)						
	MPC nodate 2005 FY9						
	RB07 FAMILY=2003EL61 SPECTRUM=Methane ice						
137294-1999 RE_{215}	Classic Cd	3	1	6.418 ± 0.187			
	30.557 ± 3.448	1.003 ± 0.130 ± 0.083	0.710 ± 0.074 ± 0.014	0.571 ± 0.089 ± 0.067	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[(1)] Grt $\pm\sigma$	Epochs[(2)] B-V $\pm\sigma\pm d$	Multiple[(3)] V-R $\pm\sigma\pm d$	M11 $\pm\sigma$ R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
137295-1999 RB_{216}	Res.other	1	1	7.675 ± 0.087			
	14.468 ± 2.704	0.897 ± 0.122 ± 0.000	0.522 ± 0.073 ± 0.000	0.506 ± 0.061 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=IR-BR MPC08 Resonant 1:2						
138537-2000 OK_{67}	Classic Cd	6	1	6.085 ± 0.083			
	20.354 ± 3.262	0.821 ± 0.123 ± 0.080	0.583 ± 0.072 ± 0.040	0.524 ± 0.079 ± 0.040	2.421 ± 0.088 ± 0.000	0.455 ± 0.145 ± 0.009	0.040 ± 0.078 ± 0.000
	Vil+14 nodate ThermalIR tel=S+H hmag=6.47/0.13 emi=0.9/- diam=164/-45/+33 pV=0.169/-0.052/+0.159 fixeta=1.2/-0.35/+0.35						
143707-2003 UY_{117}	Res.other	1	1	5.393 ± 0.030			
	21.706 ± 2.057	0.950 ± 0.030 ± 0.000	0.590 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
	MPC08 Resonant 2:5						
144897-2004 UX_{10}	Res. 3:2	9	1	4.201 ± 0.050			
	20.095 ± 3.313	0.950 ± 0.020 ± 0.000	0.575 ± 0.035 ± 0.003	—±—±—	—±—±—	0.420 ± 0.071 ± 0.000	-0.025 ± 0.095 ± 0.019
	Mom+12 nodate ThermalIR tel=H hmag=4.75/0.16 emi=0.9/- diam=398.1/-39.3/+32.6 pV=0.141/-0.031/+0.044 fixeta=1.2/-0.35/+0.35						
145451-2005 RM_{43}	Scattered	6	1	4.255 ± 0.047			
	1.494 ± 1.389	0.590 ± 0.038 ± 0.000	0.390 ± 0.036 ± 0.008	—±—±—	0.910 ± 0.067 ± 0.000	0.194 ± 0.074 ± 0.005	0.155 ± 0.143 ± 0.115
	Rab+08 BETA=0.179/0.018						
145452-2005 RN_{43}	Classic Ht	7	1	3.485 ± 0.077			
	17.812 ± 1.860	0.940 ± 0.047 ± 0.006	0.592 ± 0.043 ± 0.010	0.486 ± 0.064 ± 0.010	1.550 ± 0.058 ± 0.000	0.310 ± 0.071 ± 0.000	0.190 ± 0.071 ± 0.000
	Vil+12 nodate ThermalIR tel=H hmag=3.89/0.05 emi=0.9/- diam=679/-73/+55 pV=0.107/-0.018/+0.029 fixeta=1.2/-0.35/+0.35						
145453-2005 RR_{43}	Classic Ht	7	1	3.858 ± 0.045			
	1.159 ± 2.297	0.790 ± 0.076 ± 0.000	0.389 ± 0.036 ± 0.011	—±—±—	1.020 ± 0.067 ± 0.000	-0.190 ± 0.081 ± 0.000	-0.200 ± 0.166 ± 0.000
	PA+07 FAMILY=2003EL61 MODELING=Intimate mixture crystalline water ice+amorphous water ice+complex organics (such as amorphous carbon or silicates, 5upper limit) RANGE=(0.53-2.4)mu SCATTERING=Shkuratov SPECTRO=H2O Rab+08 BETA=0.010/0.016 Rab+08 FAMILY=2003EL61 RB07 FAMILY=2003EL61 SPECTRUM=Strong water ice						
145480-2005 TB_{190}	Detached	3	1	4.184 ± 0.069			
	20.439 ± 3.192	0.980 ± 0.042 ± 0.000	0.562 ± 0.055 ± 0.004	0.578 ± 0.089 ± 0.061	—±—±—	—±—±—	—±—±—
	SaS+12 nodate ThermalIR tel=H hmag=4.4/0.11 emi=0.9/- diam=464/-62/+62 pV=0.148/-0.036/+0.051 fixeta=1.2/-0.35/+0.35						
145486-2005 UJ_{438}	Centaur	3	1	11.288 ± 0.116			
	22.980 ± 1.823	0.946 ± 0.091 ± 0.082	0.641 ± 0.041 ± 0.014	0.510 ± 0.071 ± 0.000	—±—±—	—±—±—	—±—±—
	Duf+14 nodate ThermalIR tel=S+H hmag=11.14/0.32 emi=0.9/- diam=16/-2/+1 pV=0.256/-0.076/+0.097 freeta=0.34/-0.08/+0.09						
148209-2000 CR_{105}	Detached	3	1	6.226 ± 0.040			
	14.424 ± 3.398	0.771 ± 0.082 ± 0.018	0.509 ± 0.048 ± 0.023	0.590 ± 0.090 ± 0.000	—±—±—	0.410 ± 0.297 ± 0.000	—±—±—
148780-Altjira	Classic Ht	2	2	—±—			
	29.751 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR Vil+14 nodate ThermalIR tel=S+H hmag=6.44/0.14 emi=0.9/- diam=331/-187/+51 pV=0.043/-0.0095/+0.1825 freeta=1.62/-0.83/+0.24 Hv from 2012AA...541A..94V						
148780-Altjira+B	Classic Ht	1	2	—±—			
	35.732 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class(1)	Epochs(2)	Multiple(3)	M11 ±σ			
	Grt ±σ	B-V ±σ ± d	V-R ±σ ± d	R-I ±σ ± d	V-J ±σ ± d	J-H ±σ ± d	H-K ±σ ± d
148975-2001 XA_{255}	Centaur	2	1	—±—			
	22.381 ± 2.444	0.810 ± 0.050 ± 0.000	0.680 ± 0.050 ± 0.000	0.440 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=11.2/0.3 diam=37.7/-10.5/10.5 pV=0.041/-0.014/+0.014 freeta=0.703/-0.186/+0.186						
149560-2003 QZ_{91}	Scattered	1	1	8.303 ± 0.030			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
150642-2001 CZ_{31}	Classic Ht	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.550 ± 0.099 ± 0.000	0.160 ± 0.099 ± 0.000
	Ful+08 TAXO=BB						
160427-2005 RL_{43}	Centaur	1	1	—±—			
	37.350 ± 5.595	1.120 ± 0.040 ± 0.000	0.730 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
163135-2002 CT_{22}	J.Trojan	1	1	—±—			
	1.927 ± 1.789	0.690 ± 0.053 ± 0.000	0.382 ± 0.045 ± 0.000	0.360 ± 0.066 ± 0.000	—±—±—	—±—±—	—±—±—
163216-2002 EN_{68}	J.Trojan	1	1	—±—			
	4.392 ± 1.713	—±—±—	0.443 ± 0.042 ± 0.000	0.347 ± 0.062 ± 0.000	—±—±—	—±—±—	—±—±—
168700-2000 GE_{147}	Res. 3:2	1	1	7.993 ± 0.110			
	16.667 ± 3.950	—±—±—	0.550 ± 0.120 ± 0.000	0.520 ± 0.114 ± 0.000	—±—±—	—±—±—	—±—±—
168703-2000 GP_{183}	Classic Cd	5	1	5.749 ± 0.060			
	8.353 ± 2.654	0.669 ± 0.074 ± 0.058	0.445 ± 0.053 ± 0.024	0.463 ± 0.066 ± 0.044	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR						
174567-Varda	Classic Ht	7	2	3.150 ± 0.072			
	16.911 ± 2.416	0.892 ± 0.047 ± 0.011	0.556 ± 0.040 ± 0.005	0.510 ± 0.098 ± 0.025	—±—±—	—±—±—	—±—±—
	Vil+14 nodate ThermalIR tel=H hmag=3.61/0.05 emi=0.9/- diam=792/-84/+91 pV=0.102/-0.02/+0.024 freeta=0.84/-0.22/+0.28						
175113-2004 PF_{115}	Res. 3:2	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Mom+12 nodate ThermalIR tel=H hmag=4.54/0.25 emi=0.9/- diam=468.2/-49.1/+38.6 pV=0.123/-0.033/+0.043 fixeta=1.2/-0.35/+0.35						
181708-1993 FW	Classic Ht	8	1	6.521 ± 0.122			
	18.979 ± 3.484	1.023 ± 0.069 ± 0.009	0.583 ± 0.070 ± 0.041	0.439 ± 0.104 ± 0.050	—±—±—	0.400 ± 0.250 ± 0.000	—±—±—
	Ful+08 TAXO=IR						
181855-1998 WT_{31}	Classic Ht	2	1	7.434 ± 0.071			
	4.292 ± 3.664	0.774 ± 0.106 ± 0.000	0.453 ± 0.090 ± 0.000	0.326 ± 0.102 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BB						
	RB07 FAMILY=2003EL61						
	SNO+10 magR FAMILY=2003EL61 LIGHTCURVE=						
181867-1999 CV_{118}	Res.other	1	1	7.183 ± 0.063			
	31.744 ± 2.469	—±—±—	0.733 ± 0.067 ± 0.000	0.582 ± 0.062 ± 0.000	—±—±—	—±—±—	—±—±—
	MPC08 Resonant 3:7						
181871-1999 CO_{153}	Classic Cd	1	1	—±—			
	38.554 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	MPC08 Resonant 4:7						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1] Grt $\pm\sigma$	Epochs[2] B-V $\pm\sigma \pm d$	Multiple[3] V-R $\pm\sigma \pm d$	M11 $\pm\sigma$ R-I $\pm\sigma \pm d$	V-J $\pm\sigma \pm d$	J-H $\pm\sigma \pm d$	H-K $\pm\sigma \pm d$
181874-1999 HW_{11}	Detached	2	1	6.667 ± 0.077			
	12.561 ± 2.766	0.840 ± 0.042 ± 0.000	0.499 ± 0.073 ± 0.039	0.493 ± 0.083 ± 0.055	—±—±—	—±—±—	—±—±—
181902-1999 RD_{215}	Detached	2	1	7.865 ± 0.079			
	7.547 ± 0.000	—±—±—	—±—±—	0.498 ± 0.058 ± 0.000	—±—±—	—±—±—	—±—±—
182397-2001 QW_{297}	Classic Ht	1	1	6.662 ± 0.050			
	25.220 ± 3.210	1.020 ± 0.099 ± 0.000	0.580 ± 0.070 ± 0.000	0.670 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—
182933-2002 GZ_{31}	Detached	1	2	—±—			
	33.013 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
182934-2002 GJ_{32}	Classic Ht	2	1	5.395 ± 0.090			
	15.495 ± 6.357	1.330 ± 0.178 ± 0.000	0.590 ± 0.140 ± 0.000	0.420 ± 0.120 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR Vil+14 nodate ThermalIR tel=S hmag=6.16/0.13 emi=0.9/- diam=416/-78/+81 pV=0.035/-0.011/+0.019 freeta=2.05/-0.36/+0.38 Hmag not explicitly given in reference						
192388-1996 RD_{29}	J.Trojan	1	1	—±—			
	4.691 ± 1.684	0.741 ± 0.055 ± 0.000	0.421 ± 0.042 ± 0.000	0.388 ± 0.062 ± 0.000	—±—±—	—±—±—	—±—±—
192929-2000 AT_{44}	J.Trojan	1	1	—±—			
	-0.624 ± 1.876	0.707 ± 0.053 ± 0.000	0.354 ± 0.045 ± 0.000	0.318 ± 0.068 ± 0.000	—±—±—	—±—±—	—±—±—
202421-2005 UQ_{513}	Classic Ht	2	1	3.451 ± 0.010			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.300 ± 0.122 ± 0.000	—±—±—
	RB07 FAMILY=2003EL61 SPECTRUM=Weak water ice SNO+10 magR FAMILY=2003EL61 LIGHTCURVE==0.3 Vil+14 nodate ThermalIR tel=H hmag=3.87/0.14 emi=0.9/- diam=498/-75/+63 pV=0.202/-0.049/+0.084 fixeta=1.27/-0.35/+0.35 Fixed-adjusted eta						
208996-2003 AZ_{84}	Res. 3:2	14	2	3.471 ± 0.112			
	6.824 ± 4.417	0.738 ± 0.090 ± 0.084	0.430 ± 0.062 ± 0.056	0.473 ± 0.105 ± 0.095	1.210 ± 0.054 ± 0.000	0.239 ± 0.127 ± 0.097	0.060 ± 0.071 ± 0.000
	Ful+08 TAXO=BB Mom+12 nodate ThermalIR tel=S+H hmag=3.74/0.08 emi=0.9/- diam=727/-66.5/+61.9 pV=0.107/-0.016/+0.023 freeta=1.05/-0.15/+0.19 Rab+08 BETA=0.061/0.026						
225088-Gonggong	Detached	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	SaS+12 nodate ThermalIR tel=H hmag=1.96/0.16 emi=0.9/- diam=1280/-210/+210 pR=0.185/-0.052/+0.076 fixeta=1.2/-0.35/+0.35						
229762-2007 UK_{126}	Detached	4	2	3.224 ± 0.045			
	18.396 ± 1.767	—±—±—	0.582 ± 0.035 ± 0.022	0.470 ± 0.057 ± 0.000	—±—±—	0.360 ± 0.106 ± 0.000	—±—±—
	SaS+12 nodate ThermalIR tel=H hmag=3.69/0.1 emi=0.9/- diam=599/-77/+77 pV=0.167/-0.038/+0.058 fixeta=1.2/-0.35/+0.35						
230965-2004 XA_{192}	Classic Ht	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Vil+14 nodate ThermalIR tel=H hmag=4.42/0.63 emi=0.9/- diam=339/-95/+120 pV=0.26/-0.15/+0.34 freeta=0.62/-0.49/+0.79						
248835-2006 SX_{368}	Centaur	5	1	9.431 ± 0.076			
	10.782 ± 1.929	0.758 ± 0.042 ± 0.017	0.478 ± 0.042 ± 0.008	0.471 ± 0.074 ± 0.015	—±—±—	—±—±—	—±—±—
	Duf+14 nodate ThermalIR tel=S+H hmag=9.45/0.11 emi=0.9/- diam=76/-2/+2 pV=0.052/-0.006/+0.007 freeta=0.87/-0.06/+0.04						
250112-2002 KY_{14}	Centaur	5	1	10.162 ± 0.066			
	33.671 ± 1.505	1.060 ± 0.020 ± 0.000	0.709 ± 0.024 ± 0.012	0.650 ± 0.050 ± 0.000	—±—±—	0.290 ± 0.092 ± 0.000	0.020 ± 0.106 ± 0.000
	Duf+14 nodate ThermalIR tel=H hmag=10.37/0.07 emi=0.9/- diam=47/-4/+3 pV=0.057/-0.007/+0.011 fixeta=1.2/-0.35/+0.35						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1] Grt ±σ	Epochs[2] B-V ±σ ± d	Multiple[3] V-R ±σ ± d	M11 ±σ R-I ±σ ± d	V-J ±σ ± d	J-H ±σ ± d	H-K ±σ ± d
275809-2001 QY_{297}	Classic Cd	8	2	5.153 ± 0.232			
	23.483 ± 6.083	0.947 ± 0.223 ± 0.178	0.479 ± 0.103 ± 0.031	0.651 ± 0.290 ± 0.225	—±—±—	0.506 ± 0.098 ± 0.000	—±—±—
	Ful+08 TAXO=BR						
	Vil+14 nodate ThermalIR tel=S+H hmag=5.86/0.31 emi=0.9/- diam=229/-108/+22 pV=0.152/-0.035/+0.439 freeta=1.52/-0.92/+0.22 Hv from						
275809-2001 QY_{297} B	Classic Cd	1	2	—±—			
	26.635 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
278361-2007 JJ_{43}	Classic Ht	1	1	4.041 ± 0.010			
	18.453 ± 1.087	1.020 ± 0.028 ± 0.000	0.590 ± 0.020 ± 0.000	0.500 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—
281371-2008 FC_{76}	Centaur	8	1	9.256 ± 0.057			
	31.628 ± 1.608	0.987 ± 0.031 ± 0.012	0.685 ± 0.036 ± 0.019	0.652 ± 0.060 ± 0.018	—±—±—	0.400 ± 0.113 ± 0.000	0.120 ± 0.120 ± 0.000
	Duf+14 nodate ThermalIR tel=H hmag=9.44/0.1 emi=0.9/- diam=68/-7/+6 pV=0.067/-0.011/+0.017 fixeta=1.2/-0.35/+0.35						
303775-2005 QU_{182}	Scattered	4	1	3.368 ± 0.092			
	22.051 ± 5.577	0.877 ± 0.063 ± 0.034	0.593 ± 0.060 ± 0.033	—±—±—	—±—±—	—±—±—	—±—±—
	SaS+12 nodate ThermalIR tel=H hmag=3.8/0.32 emi=0.9/- diam=416/-73/+73 pV=0.328/-0.109/+0.16 fixeta=1.2/-0.35/+0.35						
307251-2002 KW_{14}	Classic Ht	3	1	5.291 ± 0.092			
	59.253 ± 2.602	—±—±—	0.695 ± 0.074 ± 0.050	1.090 ± 0.092 ± 0.000	—±—±—	—±—±—	—±—±—
	Vil+14 nodate ThermalIR tel=S+H hmag=5.88/0.11 emi=0.9/- diam=161/-40/+35 pV=0.31/-0.094/+0.281 fixeta=1.2/-0.35/+0.35						
307261-2002 MS_{4}	Classic Ht	2	1	3.332 ± 0.030			
	1.710 ± 2.057	0.690 ± 0.020 ± 0.000	0.380 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
	Vil+12 nodate ThermalIR tel=S+H hmag=4/0.6 emi=0.9/- diam=934/-47/+47 pV=0.051/-0.022/+0.036 freeta=1.06/-0.06/+0.06						
307463-2002 VU_{130}	Res. 3:2	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Mom+12 nodate ThermalIR tel=H hmag=5.47/0.83 emi=0.9/- diam=252.9/-31.3/+33.6 pV=0.179/-0.103/+0.202 fixeta=1.2/-0.35/+0.35						
307616-2003 QW_{90}	Res. 3:2	2	1	—±—			
	15.349 ± 0.000	—±—±—	—±—±—	—±—±—	1.930 ± 0.162 ± 0.000	—±—±—	—±—±—
307982-2004 PG_{115}	Detached	6	1	4.826 ± 0.105			
	26.631 ± 3.439	0.966 ± 0.072 ± 0.016	0.664 ± 0.067 ± 0.028	0.633 ± 0.127 ± 0.003	—±—±—	—±—±—	—±—±—
308933-2006 SQ_{372}	Scattered	2	1	7.714 ± 0.047			
	24.677 ± 1.702	1.030 ± 0.042 ± 0.000	0.590 ± 0.030 ± 0.000	0.650 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—
309139-2006 XQ_{51}	Centaur	2	1	10.190 ± 0.040			
	4.336 ± 2.909	0.740 ± 0.030 ± 0.000	0.410 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=9.8/0.3 diam=39.1/-15.7/+15.7 pV=0.139/-0.058/+0.058 fixeta=0.8/-0.456/+0.456						
309239-2007 RW_{10}	Scattered	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	dlF12 a temporary quasi-satellite of Neptune						
	SaS+12 nodate ThermalIR tel=H hmag=6.39/0.61 emi=0.9/- diam=247/-30/+30 pR=0.083/-0.039/+0.068 fixeta=1.2/-0.35/+0.35						
309737-2008 SJ_{236}	Centaur	5	1	12.180 ± 0.206			
	20.012 ± 1.654	1.010 ± 0.020 ± 0.000	0.588 ± 0.027 ± 0.011	0.500 ± 0.050 ± 0.000	—±—±—	0.410 ± 0.130 ± 0.000	-0.230 ± 0.163 ± 0.000
	Bau+13 nodate ThermalIR tel=WISE hmag=12.2/0.3 diam=17.7/-1.5/+1.5 pV=0.074/-0.021/+0.021 freeta=0.800/-0.110/+0.110						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[1]	Epochs[2]	Multiple[3]	M11 $\pm\sigma$			
	Grt $\pm\sigma$	B-V $\pm\sigma\pm d$	V-R $\pm\sigma\pm d$	R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
309741-2008 UZ_6	Centaur	1	1	10.745 ± 0.040			
	21.706 ± 2.909	0.920 ± 0.040 ± 0.000	0.590 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
310071-2010 KR_{59}	Centaur	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=7.7/0.3 diam=110.06/-30.82/+30.82 pV=0.121/-0.037/+0.037 fixeta=0.8/-0.324/+0.324						
315898-2008 QD_4	Centaur	1	1	11.527 ± 0.030			
	8.875 ± 2.057	0.740 ± 0.020 ± 0.000	0.460 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
316431-2010 TH_{167}	J.Trojan	2	1	13.302 ± 0.030			
	8.875 ± 2.057	0.720 ± 0.020 ± 0.000	0.460 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=9.2/0.3 diam=69.9/-24.2/+24.2 pV=0.078/-0.033/+0.033 fixeta=0.8/-0.363/+0.363						
328884-2010 LJ_{109}	Centaur	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=10.1/0.3 diam=44.2/-3.8/+3.8 pV=0.083/-0.021/+0.021 freeta=0.748/-0.103/+0.103						
330759-2008 SO_{218}	Centaur	1	1	—±—			
	16.406 ± 1.422	0.890 ± 0.030 ± 0.000	0.550 ± 0.020 ± 0.000	0.500 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=12.8/0.3 diam=11.8/-0.4/+0.4 pV=0.097/-0.017/+0.017 freeta=0.823/-0.046/+0.046						
332685-2009 HH_{36}	Centaur	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=10.6/0.3 diam=33.0/-2.8/+2.8 pV=0.078/-0.018/+0.018 freeta=0.739/-0.095/+0.095						
336756-2010 NV_1	Scattered	3	1	10.652 ± 0.030			
	10.202 ± 1.351	0.765 ± 0.039 ± 0.025	0.512 ± 0.029 ± 0.015	0.390 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=10.5/0.3 diam=44.2/-8.0/+8.0 pV=0.057/-0.030/+0.030 freeta=0.661/-0.168/+0.168						
341275-2007 RG_{283}	Centaur	1	1	8.515 ± 0.040			
	9.809 ± 2.909	0.790 ± 0.030 ± 0.000	0.470 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
341520-Mors-Somn	Res. 3:2	4	2	—±—			
	34.660 ± 0.677	1.290 ± 0.014 ± 0.000	0.740 ± 0.010 ± 0.000	0.630 ± 0.010 ± 0.000	—±—±—	-0.160 ± 0.130 ± 0.000	—±—±—
341520-Mors-Somn+A	Res. 3:2	1	2	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
341520-Mors-Somn+B	Res. 3:2	1	2	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
342842-2008 YB_3	Centaur	4	1	9.720 ± 0.018			
	10.664 ± 0.681	0.774 ± 0.025 ± 0.018	0.472 ± 0.022 ± 0.015	0.490 ± 0.010 ± 0.000	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=9.5/0.3 diam=67.1/-1.0/+1.0 pV=0.062/-0.012/+0.012 freeta=0.839/-0.012/+0.012						
	She10 Retrograde orbit						
346889-Rhiphonos	Centaur	2	1	11.984 ± 0.030			
	17.592 ± 2.057	0.820 ± 0.020 ± 0.000	0.550 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
349933-2009 YF_7	Centaur	1	1	11.021 ± 0.030			
	8.875 ± 2.057	0.720 ± 0.020 ± 0.000	0.460 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
382004-2010 RM_{64}	Centaur	2	1	11.145 ± 0.030			
	17.594 ± 2.057	1.000 ± 0.020 ± 0.000	0.550 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=11.0/0.3 diam=21.0/-2.0/+2.0 pV=0.159/-0.048/+0.048 freeta=0.85/-0.144						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[(1)] Grt $\pm\sigma$	Epochs[(2)] B-V $\pm\sigma\pm d$	Multiple[(3)] V-R $\pm\sigma\pm d$	M11 $\pm\sigma$ R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
385185-1993 RO	Res. 3:2	2	1	8.620 ± 0.134			
	24.485 ± 4.231	0.850 ± 0.070 ± 0.000	0.590 ± 0.137 ± 0.109	0.480 ± 0.113 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=IR						
385191-1997 RT_5	Classic Ht	4	1	6.957 ± 0.378			
	15.015 ± 4.506	1.075 ± 0.121 ± 0.000	0.474 ± 0.107 ± 0.000	0.539 ± 0.091 ± 0.000	—±—±—	0.380 ± 0.231 ± 0.000	—±—±—
385194-1998 KG_{62}	Classic Cd	5	1	6.369 ± 0.283			
	24.857 ± 3.762	1.039 ± 0.105 ± 0.057	0.609 ± 0.095 ± 0.046	0.610 ± 0.078 ± 0.025	—±—±—	0.410 ± 0.231 ± 0.000	—±—±—
	Ful+08 TAXO=RR-IR						
385199-1999 OE_4	Classic Cd	4	1	6.833 ± 0.178			
	13.985 ± 7.765	1.103 ± 0.236 ± 0.190	0.567 ± 0.159 ± 0.078	0.414 ± 0.180 ± 0.115	—±—±—	0.360 ± 0.216 ± 0.000	—±—±—
	Ful+08 TAXO=RR						
385437-2003 GH_{55}	Classic Cd	4	1	5.902 ± 0.098			
	41.437 ± 4.050	1.120 ± 0.050 ± 0.000	0.665 ± 0.075 ± 0.028	0.859 ± 0.158 ± 0.070	—±—±—	—±—±—	—±—±—
	Vil+14 nodate ThermalIR tel=H hmag=6.43/0.12 emi=0.9/- diam=178/-56/+21 pV=0.15/-0.031/+0.182 fixeta=1.2/-0.35/+0.35						
385446-Manwe	Res.other	1	2	—±—			
	27.864 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	MPC08 Resonant 4:7						
385446-Manwe+B	Res.other	1	2	—±—			
	30.391 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
385571-Otrera	Scattered	1	1	—±—			
	6.838 ± 2.156	0.740 ± 0.050 ± 0.000	0.420 ± 0.040 ± 0.000	0.460 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—
385607-2005 EO_{297}	Res.other	1	1	7.217 ± 0.030			
	13.673 ± 2.955	0.840 ± 0.071 ± 0.000	0.480 ± 0.050 ± 0.000	0.570 ± 0.080 ± 0.000	—±—±—	—±—±—	—±—±—
	MPC08 Resonant 1:3						
	S10 rotational lightcurve						
	She10 Object showed large light variations indicating possible rotational lc (						
385695-2005 TO_{74}	Scattered	1	1	—±—			
	9.717 ± 2.620	0.850 ± 0.060 ± 0.000	0.490 ± 0.050 ± 0.000	0.420 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—
413666-2005 VJ_{119}	Scattered	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Bau+13 nodate ThermalIR tel=WISE hmag=10.6/0.3 diam=28.5/-6.9/+6.9 pV=0.126/-0.060/+0.060 fixeta=0.8/-0.3/+0.3						
416400-2003 UZ_{117}	Classic Ht	7	1	4.959 ± 0.031			
	-0.271 ± 1.694	0.663 ± 0.032 ± 0.019	0.354 ± 0.030 ± 0.010	0.335 ± 0.041 ± 0.014	—±—±—	-0.220 ± 0.192 ± 0.000	—±—±—
	RB07 FAMILY=2003EL61 SPECTRUM=Strong water ice?						
418993-2009 MS_9	Scattered	1	1	—±—			
	14.606 ± 3.793	0.840 ± 0.040 ± 0.000	0.520 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
427507-2002 DH_5	Centaur	1	1	10.165 ± 0.061			
	4.151 ± 2.833	0.663 ± 0.072 ± 0.000	0.391 ± 0.069 ± 0.000	0.416 ± 0.081 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute *R* magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class(1) Grt $\pm\sigma$	Epochs(2) B-V $\pm\sigma\pm d$	Multiple(3) V-R $\pm\sigma\pm d$	M11 $\pm\sigma$ R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
444030-2004 NT_{33}	Classic Ht	4	1	4.479 ± 0.090			
	4.182 ± 2.576	0.641 ± 0.065 ± 0.005	0.403 ± 0.052 ± 0.007	0.403 ± 0.093 ± 0.030	—±—±—	—±—±—	—±—±—
	Vil+14 nodate ThermalIR tel=H hmag=4.74/0.11 emi=0.9/- diam=423/-80/+87 pV=0.125/-0.039/+0.069 freeta=0.69/-0.32/+0.46						
445473-2010 VZ_{98}	Detached	1	1	4.643 ± 0.030			
	30.400 ± 2.057	1.100 ± 0.040 ± 0.000	0.670 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
447178-2005 RO_{43}	Centaur	2	1	6.955 ± 0.040			
	9.809 ± 2.909	0.770 ± 0.030 ± 0.000	0.470 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
	Duf+14 nodate ThermalIR tel=S+H hmag=7.34/0.51 emi=0.9/- diam=194/-10/+10 pV=0.056/-0.021/+0.036 freeta=1.12/-0.08/+0.05						
449097-2012 UT_{68}	Centaur	1	1	9.398 ± 0.030			
	29.278 ± 2.057	1.020 ± 0.020 ± 0.000	0.660 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
455171-1999 OM_4	Classic Cd	1	1	7.506 ± 0.100			
	18.976 ± 3.909	1.137 ± 0.135 ± 0.000	0.602 ± 0.104 ± 0.000	0.499 ± 0.088 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
455502-2003 UZ_{413}	Res. 3:2	8	1	4.031 ± 0.052			
	5.341 ± 2.010	—±—±—	0.430 ± 0.035 ± 0.008	0.387 ± 0.068 ± 0.015	—±—±—	0.370 ± 0.103 ± 0.000	0.150 ± 0.127 ± 0.000
459865-2013 XZ_8	Centaur	1	1	9.734 ± 0.030			
	7.950 ± 2.057	0.720 ± 0.020 ± 0.000	0.450 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
459971-2014 ON_6	Centaur	1	1	12.125 ± 0.030			
	20.664 ± 2.057	0.970 ± 0.020 ± 0.000	0.580 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
463368-2012 VU_{85}	Centaur	1	1	8.300 ± 0.050			
	25.973 ± 3.793	1.070 ± 0.060 ± 0.000	0.630 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
463663-2014 HY_{123}	Centaur	1	1	—±—			
	11.701 ± 2.057	0.670 ± 0.050 ± 0.000	0.490 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
469306-1999 CD_{158}	Res.other	5	1	4.821 ± 0.099			
	16.860 ± 2.607	0.864 ± 0.056 ± 0.005	0.520 ± 0.053 ± 0.029	0.575 ± 0.064 ± 0.022	1.862 ± 0.076 ± 0.000	0.423 ± 0.135 ± 0.016	0.048 ± 0.116 ± 0.065
	Ful+08 TAXO=BR						
	MPC08 Resonant 4:7						
	RB07 FAMILY=2003EL61 IR colors inconsistent with family						
	SNO+10 magR FAMILY=2003EL61 LIGHTCURVE==0.6						
469333-2000 PE_{30}	Detached	7	1	5.798 ± 0.081			
	2.353 ± 3.158	0.752 ± 0.069 ± 0.029	0.373 ± 0.077 ± 0.054	0.410 ± 0.049 ± 0.035	1.646 ± 0.080 ± 0.000	0.452 ± 0.114 ± 0.013	0.260 ± 0.072 ± 0.000
	Ful+08 TAXO=BB						
469362-2001 KB_{77}	Res. 3:2	7	1	7.352 ± 0.069			
	11.442 ± 3.220	0.890 ± 0.010 ± 0.000	0.457 ± 0.084 ± 0.023	0.548 ± 0.089 ± 0.003	—±—±—	—±—±—	—±—±—
469372-2001 QF_{298}	Res. 3:2	12	1	5.117 ± 0.093			
	2.419 ± 2.652	0.695 ± 0.067 ± 0.028	0.388 ± 0.058 ± 0.022	0.360 ± 0.085 ± 0.018	1.126 ± 0.124 ± 0.000	0.317 ± 0.172 ± 0.129	0.165 ± 0.113 ± 0.040
	Ful+08 TAXO=BB						
	Mom+12 nodate ThermalIR tel=H hmag=5.43/0.07 emi=0.9/- diam=408.2/-44.9/+40.2 pV=0.071/-0.014/+0.02 fixeta=1.2/-0.35/+0.35						
469438-2002 GV_{31}	Classic Cd	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Vil+12 nodate ThermalIR tel=H hmag=6.1/0.6 emi=0.9/- diam=180/-180/0 pV=0.19/-0/999 fixedeta=1.20+-0.35 Non detection						

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[(1)] Grt $\pm\sigma$	Epochs[(2)] B-V $\pm\sigma\pm d$	Multiple[(3)] V-R $\pm\sigma\pm d$	M11 $\pm\sigma$ R-I $\pm\sigma\pm d$	V-J $\pm\sigma\pm d$	J-H $\pm\sigma\pm d$	H-K $\pm\sigma\pm d$
469505-2003 FE_{128}	Classic Ht	4	1	6.254 ± 0.144			
	31.639 ± 3.887	—±—±—	0.698 ± 0.088 ± 0.021	0.597 ± 0.138 ± 0.020	—±—±—	—±—±—	—±—±—
	MPC08 Resonant 1:2						
469514-2003 QA_{91}	Classic Cd	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Vil+14 nodate ThermalIR tel=S+H hmag=5.76/0.63 emi=0.9/- diam=260/-36/+30 pV=0.13/-0.075/+0.119 freeta=0.83/-0.15/+0.1						
469615-2004 PT_{107}	Classic Ht	2	1	5.848 ± 0.010			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	0.540 ± 0.228 ± 0.000	—±—±—
	RB07 FAMILY=2003EL61 SNO+10 magR FAMILY=2003EL61 LIGHTCURVE==0.05 Vil+14 nodate ThermalIR tel=H hmag=6.33/0.11 emi=0.9/- diam=400/-51/+45 pV=0.0325/-0.0066/+0.0111 fixeta=1.53/-0.35/+0.35 Fixed-adjusted eta						
469705-2005 EF_{298}	Classic Cd	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Vil+12 nodate ThermalIR tel=H hmag=6.4/0.5 emi=0.9/- diam=174/-32/+27 pV=0.16/-0.07/+0.13 fixeta=1.2/-0.35/+0.35						
469750-2005 PU_{21}	Scattered	1	1	6.094 ± 0.020			
	30.943 ± 1.087	1.140 ± 0.028 ± 0.000	0.650 ± 0.020 ± 0.000	0.680 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—
469987-2006 HJ_{123}	Res. 3:2	1	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Mom+12 nodate ThermalIR tel=H hmag=5.32/0.66 emi=0.9/- diam=216.4/-34.2/+29.7 pV=0.281/-0.152/+0.259 fixeta=1.2/-0.35/+0.35						
470309-2007 JK_{43}	Scattered	1	1	7.023 ± 0.020			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
470316-2007 OC_{10}	Detached	4	1	5.029 ± 0.110			
	14.824 ± 2.766	0.876 ± 0.080 ± 0.012	0.553 ± 0.071 ± 0.009	0.471 ± 0.105 ± 0.015	—±—±—	—±—±—	—±—±—
	SaS+12 nodate ThermalIR tel=H hmag=5.43/0.1 emi=0.9/- diam=309/-37/+37 pV=0.127/-0.028/+0.04 fixeta=1.2/-0.35/+0.35						
470599-2008 OG_{19}	Detached	1	1	4.611 ± 0.010			
	18.921 ± 0.677	0.940 ± 0.014 ± 0.000	0.530 ± 0.010 ± 0.000	0.590 ± 0.010 ± 0.000	—±—±—	—±—±—	—±—±—
471143-Dziewanna	Scattered	2	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
471339-2011 ON_{45}	Centaur	3	1	11.467 ± 0.028			
	34.410 ± 1.751	1.110 ± 0.020 ± 0.009	0.705 ± 0.016 ± 0.004	—±—±—	—±—±—	—±—±—	—±—±—
474640-2004 VN_{112}	Detached	1	1	—±—			
	12.396 ± 2.913	0.900 ± 0.085 ± 0.000	0.520 ± 0.060 ± 0.000	0.450 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—
506479-2003 HB_{57}	Scattered	1	1	7.385 ± 0.020			
	13.225 ± 1.525	0.830 ± 0.042 ± 0.000	0.480 ± 0.030 ± 0.000	0.540 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—
508770-1995 WY_2	Classic Cd	2	1	6.937 ± 0.149			
	19.923 ±11.862	1.030 ± 0.280 ± 0.000	0.600 ± 0.230 ± 0.000	0.510 ± 0.280 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR-IR						
508788-2000 CQ_{114}	Classic Cd	3	1	6.656 ± 0.147			
	34.780 ± 4.289	—±—±—	0.690 ± 0.156 ± 0.000	0.650 ± 0.134 ± 0.000	—±—±—	0.420 ± 0.403 ± 0.000	—±—±—
508788-2000 CQ_{114} B	Classic Cd	1	1	—±—			
	33.683 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class(1) Grt ±σ	Epochs(2) B-V ±σ ± d	Multiple(3) V-R ±σ ± d	M11 ±σ R-I ±σ ± d	V-J ±σ ± d	J-H ±σ ± d	H-K ±σ ± d
523588-2000 CN_{105}	Classic Cd	4	1	5.257 ± 0.072			
	29.677 ± 1.174	1.100 ± 0.020 ± 0.000	0.636 ± 0.072 ± 0.031	0.640 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—
523591-2001 QD_{298}	Classic Ht	2	1	6.187 ± 0.170			
	30.399 ± 8.330	0.970 ± 0.130 ± 0.000	0.670 ± 0.090 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
	Vil+14 nodate ThermalIR tel=S+H hmag=6.71/0.17 emi=0.9/- diam=233/-63/+27 pV=0.067/-0.014/+0.062 fixeta=1.26/-0.35/+0.35 Fixed-adjusted eta						
523597-2002 QX_{47}	Centaur	1	1	8.737 ± 0.050			
	1.710 ± 3.793	0.700 ± 0.040 ± 0.000	0.380 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
523620-2007 RH_{283}	Centaur	3	1	8.432 ± 0.038			
	6.126 ± 2.057	0.720 ± 0.030 ± 0.000	0.430 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
523622-2007 TG_{422}	Scattered	1	1	6.190 ± 0.010			
	13.918 ± 1.982	0.880 ± 0.057 ± 0.000	0.510 ± 0.040 ± 0.000	0.510 ± 0.040 ± 0.000	—±—±—	—±—±—	—±—±—
523676-2013 UL_{10}	Centaur	1	1	13.281 ± 0.030			
	30.399 ± 2.057	0.970 ± 0.020 ± 0.000	0.670 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
523785-2015 CM_3	Centaur	1	1	—±—			
	19.632 ± 4.691	1.210 ± 0.060 ± 0.000	0.570 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
523794	Detached	7	1	—±—			
	—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
523899-1997 CV_{29}	Classic Ht	2	1	7.150 ± 0.030			
	28.171 ± 2.056	1.210 ± 0.010 ± 0.000	0.650 ± 0.020 ± 0.000	—±—±—	—±—±—	0.360 ± 0.243 ± 0.000	—±—±—
523955-1998 UU_{43}	Res.other	2	1	6.931 ± 0.110			
	14.799 ± 3.950	—±—±—	0.610 ± 0.120 ± 0.000	0.400 ± 0.114 ± 0.000	—±—±—	0.490 ± 0.273 ± 0.000	—±—±—
	MPC08 Resonant 3:4						
523965-1998 XY_{95}	Detached	2	1	6.440 ± 0.144			
	41.427 ± 5.409	0.930 ± 0.233 ± 0.000	0.720 ± 0.145 ± 0.065	0.752 ± 0.126 ± 0.015	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=RR						
523983-1999 RY_{214}	Classic Ht	2	1	7.015 ± 0.065			
	18.062 ± 3.131	0.693 ± 0.087 ± 0.000	0.565 ± 0.080 ± 0.000	0.530 ± 0.084 ± 0.000	—±—±—	—±—±—	—±—±—
	Ful+08 TAXO=BR						
524049-2000 CQ_{105}	Detached	5	1	5.963 ± 0.049			
	7.864 ± 2.902	0.671 ± 0.023 ± 0.003	0.449 ± 0.038 ± 0.020	0.346 ± 0.101 ± 0.003	—±—±—	0.420 ± 0.262 ± 0.000	—±—±—
524217-2001 RZ_{143}	Classic Cd	2	1	6.245 ± 0.080			
	13.173 ± 5.715	1.080 ± 0.177 ± 0.000	0.510 ± 0.130 ± 0.000	0.490 ± 0.100 ± 0.000	—±—±—	—±—±—	—±—±—
	Vil+12 nodate ThermalIR tel=S+H hmag=6.69/0.13 emi=0.9/- diam=140/-33/+39 pV=0.191/-0.045/+0.066 freeta=0.75/-0.19/+0.23						
524366-2001 XR_{254}	Classic Cd	2	1	—±—			
	15.011 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
	Vil+14 nodate ThermalIR tel=H hmag=6.05/0.15 emi=0.9/- diam=221/-71/+41 pV=0.136/-0.044/+0.168 fixeta=1.2/-0.35/+0.35						
524366-2001 XR_{254} B	Classic Cd	1	1	—±—			
	16.024 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
524834-2003 YL_{179}	Classic Cd	1	1	—±—			
	7.947 ± 9.243	0.810 ± 0.040 ± 0.000	0.450 ± 0.100 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
525462-2005 EO_{304}	Classic Cd	1	1	—±—			
	38.554 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—

(1) Classes refer to Gladman et al, SSBN07. (2) Number of epochs. (3) Number of components (>1 for satellites or multiple). M11 is the absolute R magnitude from photometry. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

Table 2. Average Magnitudes and Colours (Cont'd.)

Object	Class[(1)] Grt $\pm\sigma$	Epochs[(2)] B-V $\pm\sigma \pm d$	Multiple[(3)] V-R $\pm\sigma \pm d$	M11 $\pm\sigma$ R-I $\pm\sigma \pm d$	V-J $\pm\sigma \pm d$	J-H $\pm\sigma \pm d$	H-K $\pm\sigma \pm d$
525462-2005 EO_{304} B	Classic Cd	1	1	—±—			
	33.683 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—	—±—±—
525815-2005 SD_{278}	Res.other	1	1	5.919 ± 0.020			
	17.797 ± 1.087	0.970 ± 0.028 ± 0.000	0.560 ± 0.020 ± 0.000	0.530 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—
	MPC08 Resonant 2:5						
527328-2007 TK_{422}	Centaur	1	1	8.902 ± 0.030			
	13.629 ± 2.057	0.710 ± 0.030 ± 0.000	0.510 ± 0.020 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
527443-2007 UM_{126}	Centaur	7	1	10.177 ± 0.041			
	7.362 ± 1.567	0.740 ± 0.030 ± 0.000	0.435 ± 0.035 ± 0.021	0.440 ± 0.042 ± 0.000	—±—±—	—±—±—	0.340 ± 0.153 ± 0.000
527603-2007 VJ_{305}	Detached	1	1	6.717 ± 0.020			
	14.913 ± 1.525	0.920 ± 0.042 ± 0.000	0.520 ± 0.030 ± 0.000	0.520 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—
527604	Centaur	1	1	7.973 ± 0.080			
	10.452 ± 2.444	0.830 ± 0.050 ± 0.000	0.470 ± 0.050 ± 0.000	0.480 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—
528219-2008 KV_{42}	Scattered	1	1	8.561 ± 0.040			
	8.461 ± 2.913	0.820 ± 0.085 ± 0.000	0.470 ± 0.060 ± 0.000	0.420 ± 0.060 ± 0.000	—±—±—	—±—±—	—±—±—
	S10 rotational lightcurve						
	She10 Object showed large light variations indicating possible rotational lc (						
	She10 Retrograde orbit						
530664	Scattered	1	1	7.718 ± 0.030			
	2.578 ± 2.909	0.690 ± 0.030 ± 0.000	0.390 ± 0.030 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—
530930	Centaur	1	1	7.056 ± 0.040			
	3.452 ± 4.691	0.720 ± 0.040 ± 0.000	0.400 ± 0.050 ± 0.000	—±—±—	—±—±—	—±—±—	—±—±—

(1) Classes refer to Gladman et al, SSBN07. M11 is the absolute *R* magnitude (2) Number of epochs. Grt is the spectral gradient $\mathcal{S}$ (%/100nm).

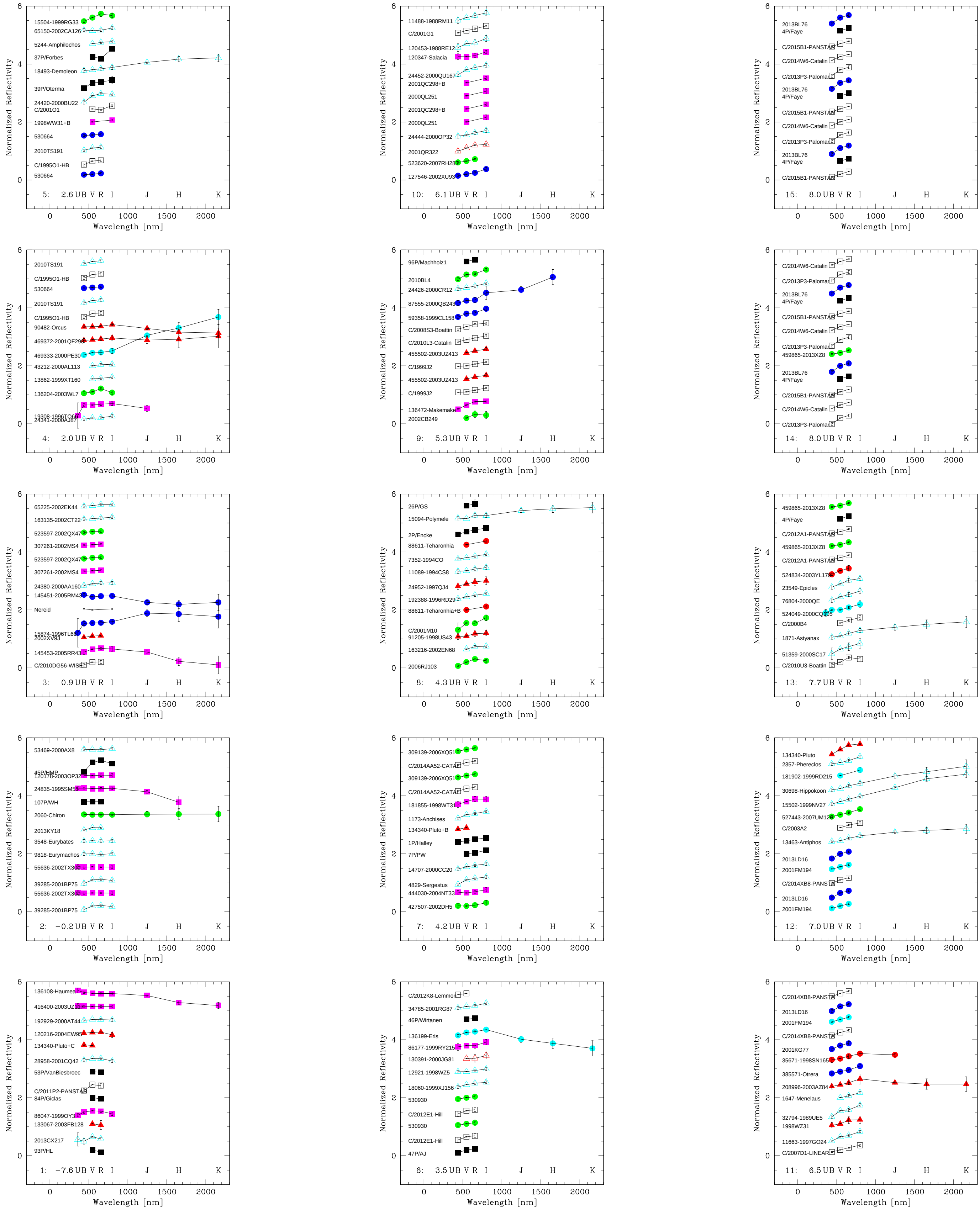


Fig. 5. Reflectivity spectra sorted by increasing gradient. The reflectivity is normalized to 1 for the V filter; the spectra have been arbitrarilly shifted for clarity. The meaning of the symbols is given in Fig. 1. The numbers at the bottom left of each panel ar the sequential number of the plot and the gradient of the first object. [tnoGrad]

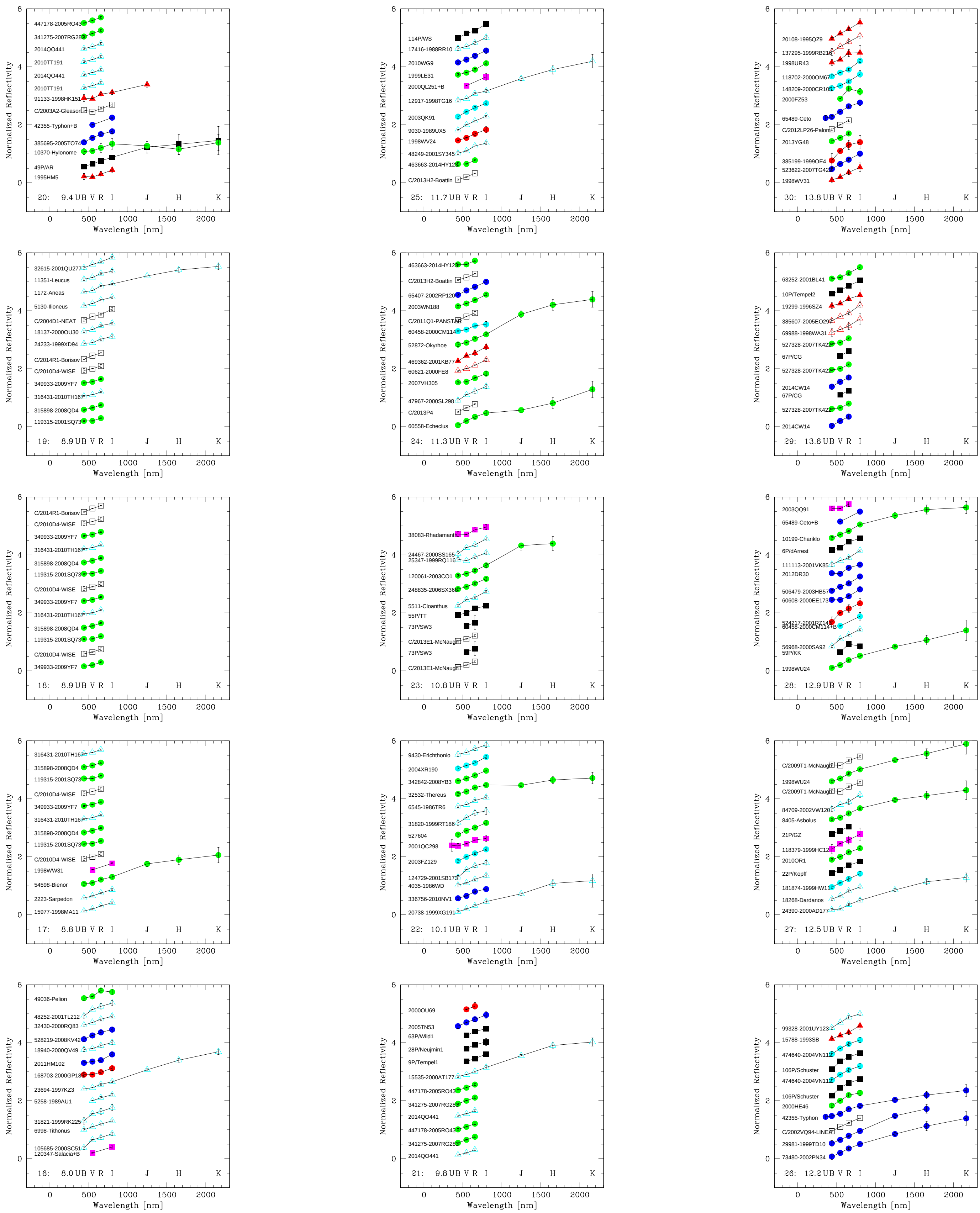


Fig. 5. (cont'd) Reflectivity spectra sorted by increasing gradient. The reflectivity is normalized to 1 for the V filter; the spectra have been arbitrarilly shifted for clarity. The meaning of the symbols is given in Fig. 1

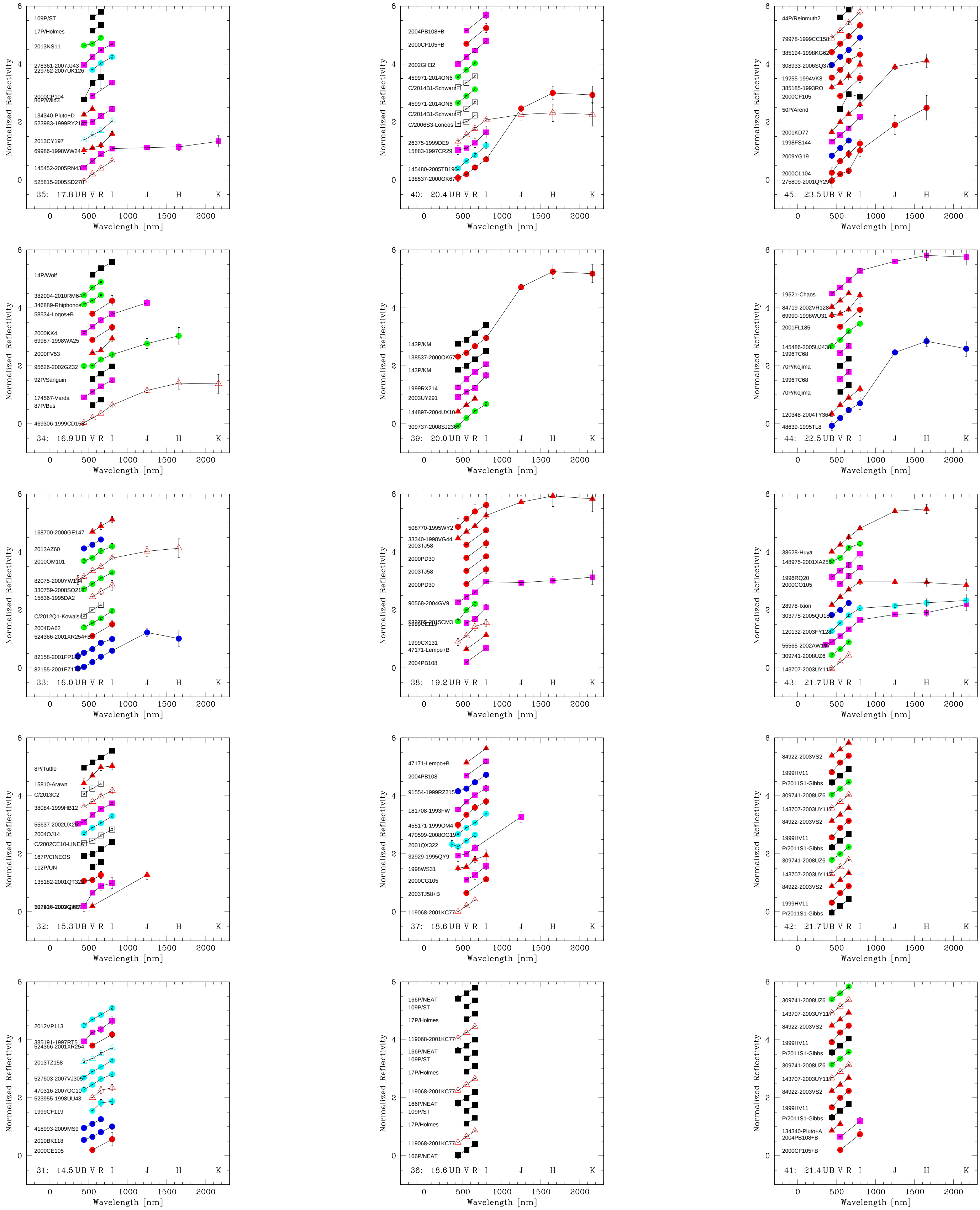


Fig. 5. (cont'd) Reflectivity spectra sorted by increasing gradient. The reflectivity is normalized to 1 for the V filter; the spectra have been arbitrarilly shifted for clarity. The meaning of the symbols is given in Fig. 1

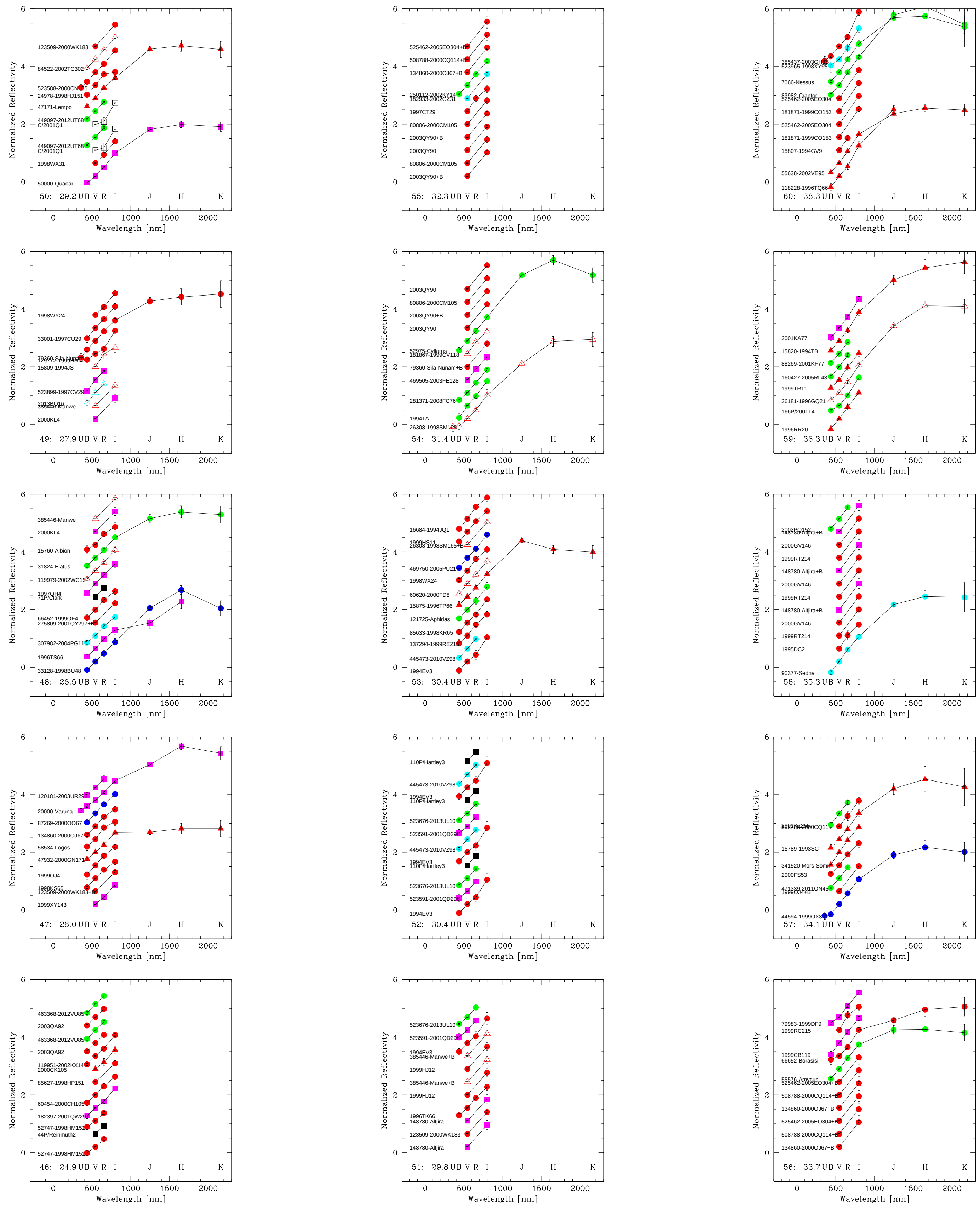
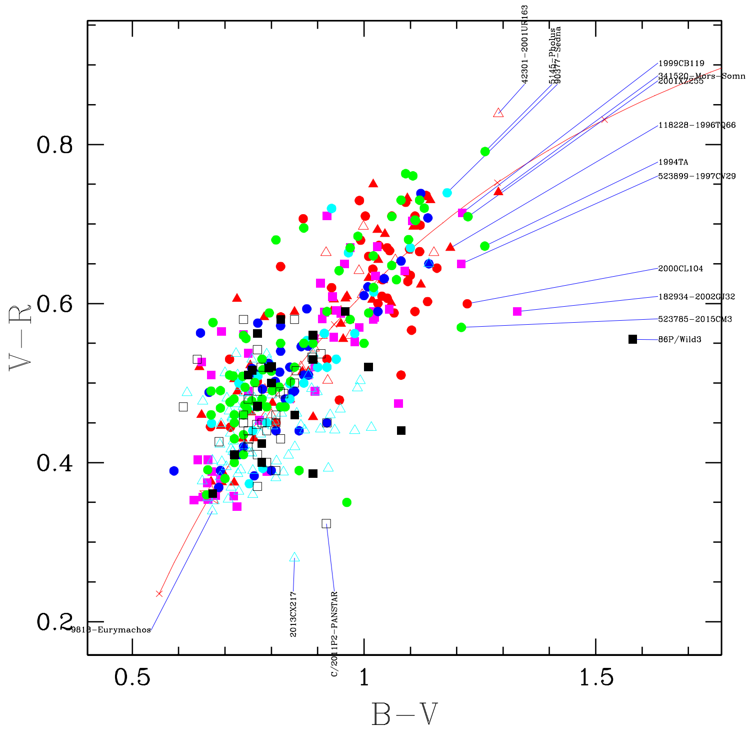
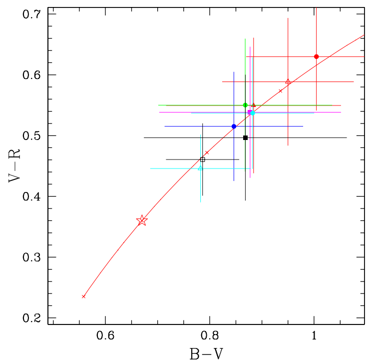


Fig. 6. (cont'd) Reflectivity spectra sorted by increasing gradient. The reflectivity is normalized to 1 for the *V* filter; the spectra have been arbitrarilly shifted for clarity. The meaning of the symbols is given in Fig. 1


V−R
B−V
0.2
0.4
0.6
0.8
0.5
1
1.5
42301-2001UR163
5145-Pholus
90377-Sedna
1999CB119
341520-Mors-Somn
118228-1996TQ66
1994TA
523899-1997CV29
2000CL104
182934-2002GJ32
523785-2015CM3
86P/Wild3
9818-Eurymachos
2013CX217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B−V
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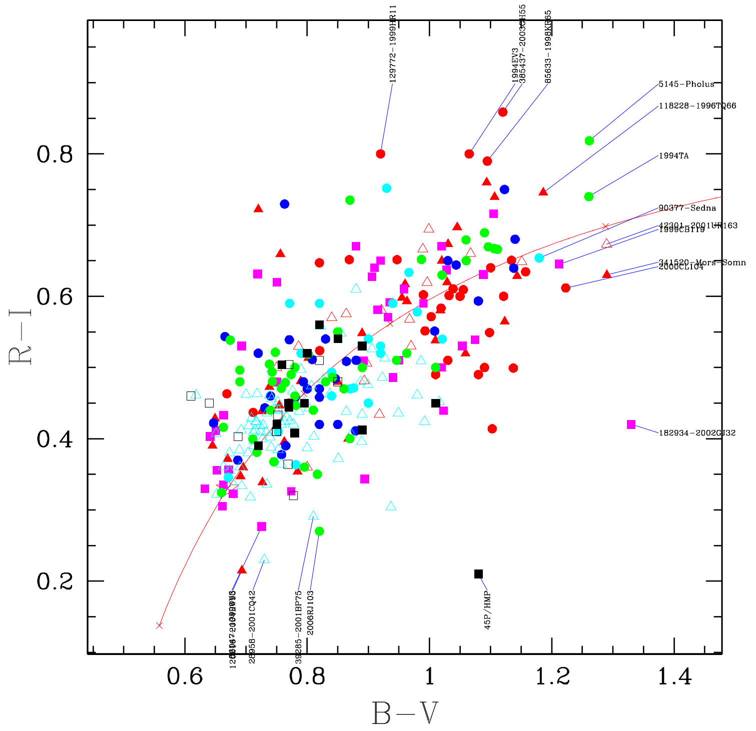
0.4
0.5
0.6
0.7
0.6
0.8
1


R−I
B−V
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0.4
0.6
0.8
0.6
0.8
1
1.2
1.4
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85633−1998KR65
5145−Pholus
118228−1996TQ66
1994TA
90377−Sedna
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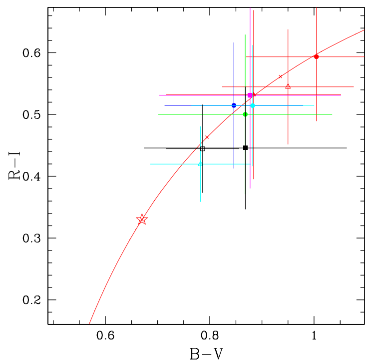
182934−2002GJ32
45P/HMP
2006RJ103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B−V
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0.4
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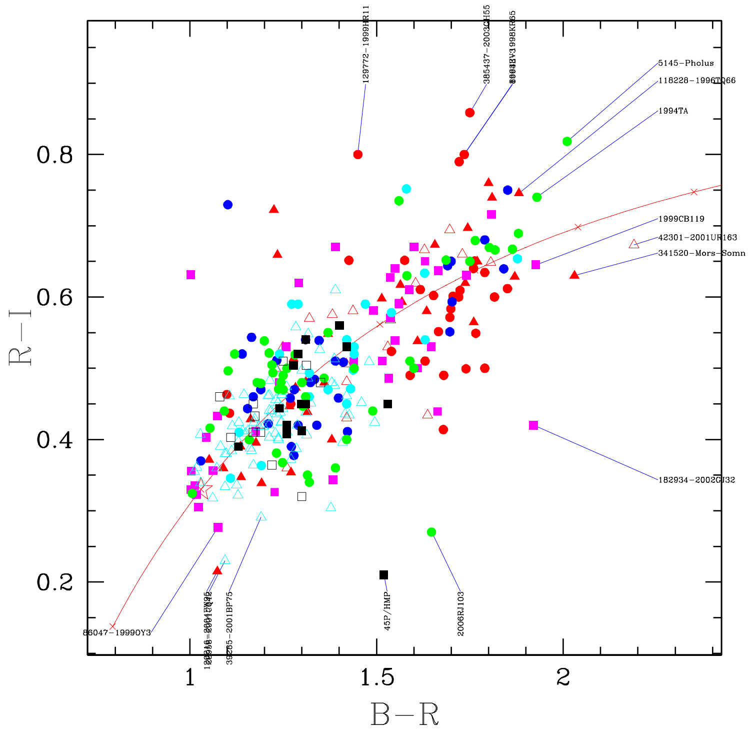
0.6
0.8
1


R−I
B−R
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0.4
0.6
0.8
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1.5
2
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5145−Pholus
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1999CB119
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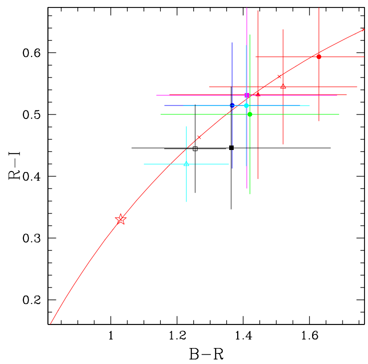
45P/HMP
2006RJ103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B−R
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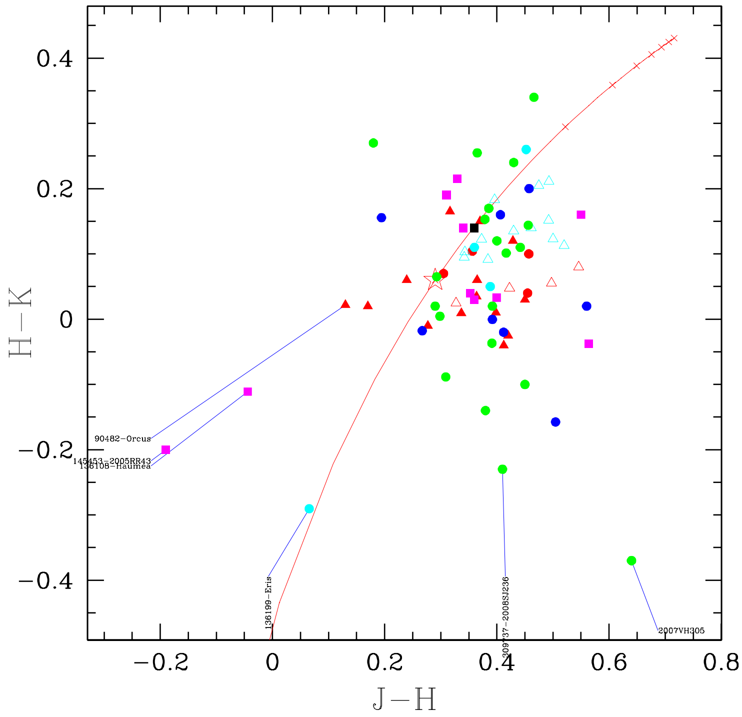
0.3
0.4
0.5
0.6
1
1.2
1.4
1.6


0.4
0.2
0
−0.2
−0.4
H−K
−0.2
0
0.2
0.4
0.6
0.8
J−H
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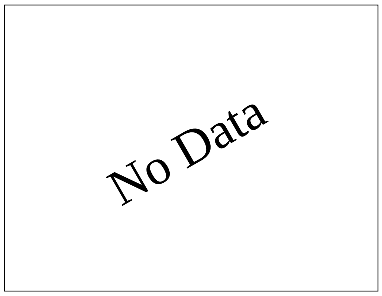
145453−2005RR43
136108−Haumea
136199−Eris
309737−2008SJ236
2007VH305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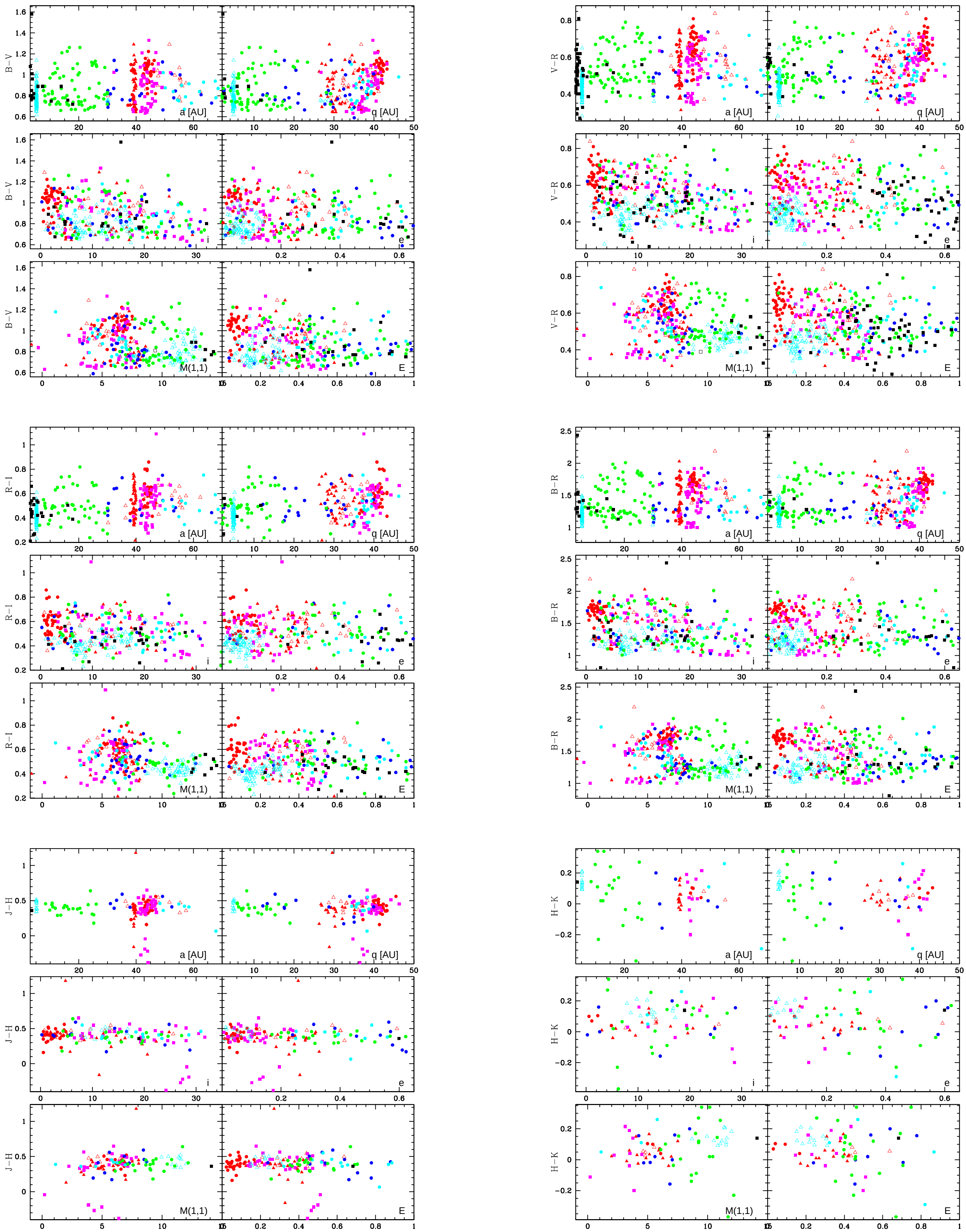

Fig. 8. Colour distributions as functions of the absolute magnitude $M(1,1)$, the orbit semi-major axis a [AU], the eccentricity e, the inclination i and the orbit energy $\mathcal{E}$ (see text for definition). Red curves indicating objects of mag. 20, 22, 24 are drawn on the plot of absolute mag vs q. The meaning of the different symbols is given in Fig. 1. [tnoOrbit]

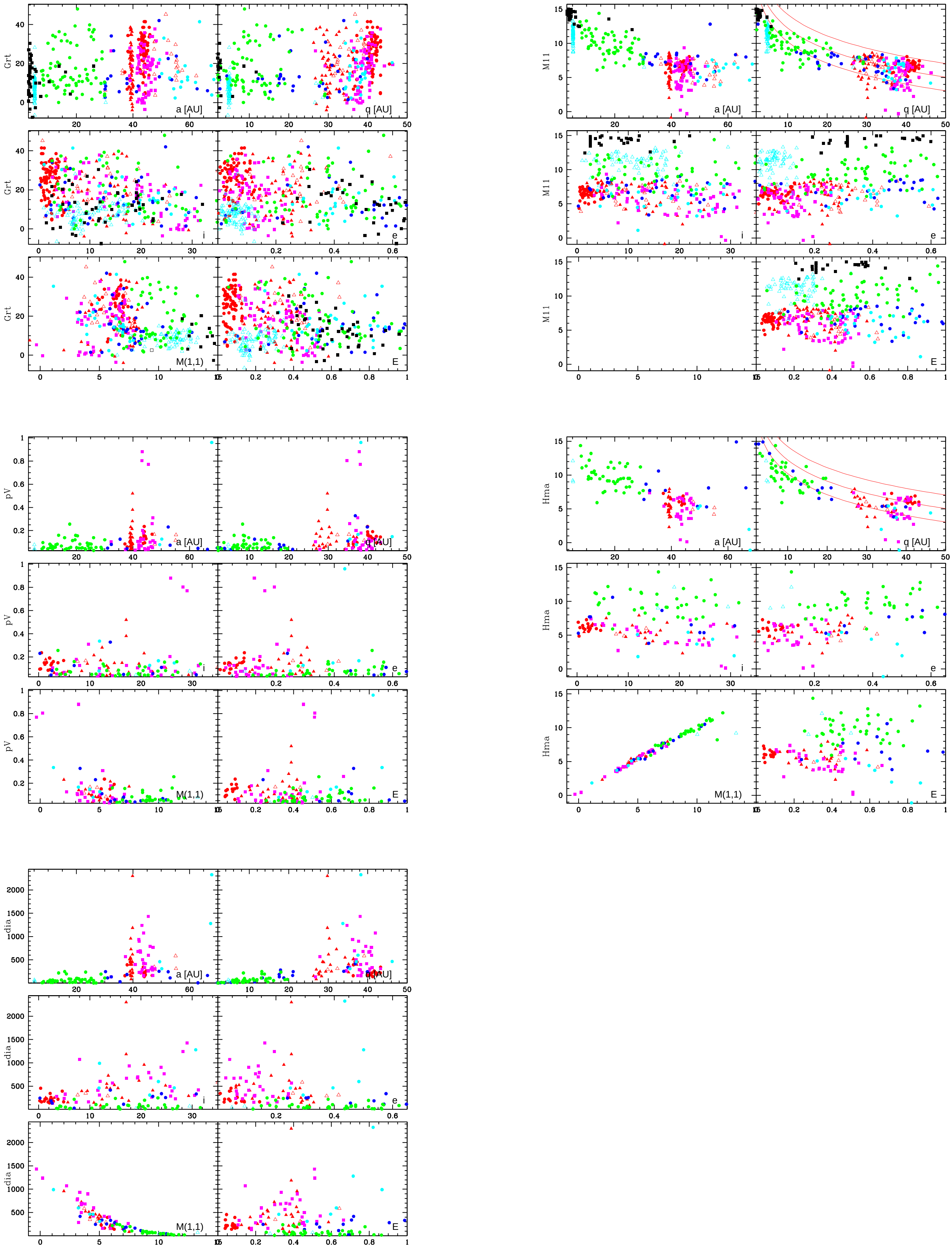

Fig. 10. Cont'd

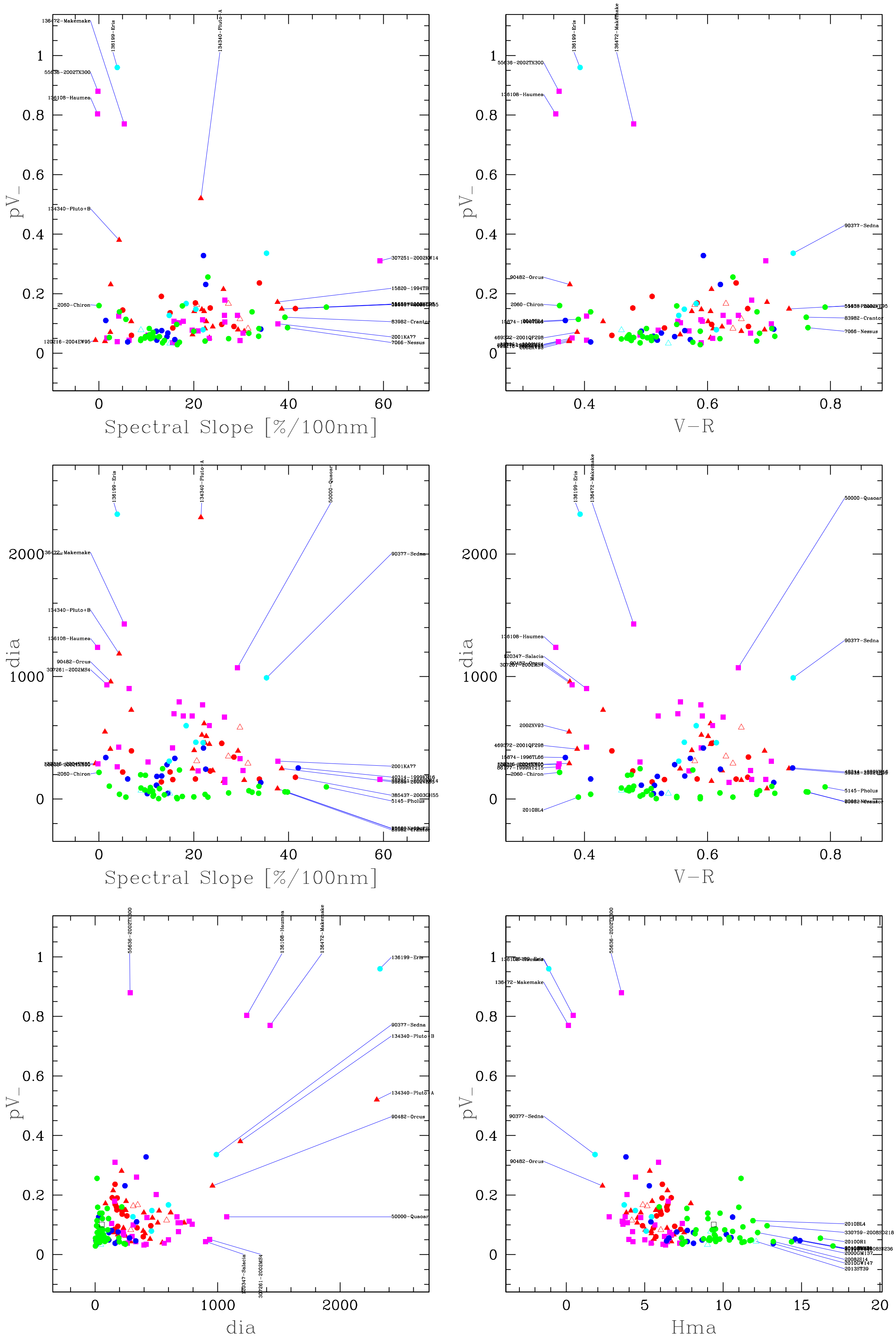

Fig. 11. MBOSS thermal IR parametres [colorColorOne]

Table 3. Average of measurements for the various classes of objects. For each item, the table lists the number of objects included in the statistics, as well as the average colour and the square root of the corresponding variance (which is undefined and set to 0 in case only one object is available). Values in **bold** have at least 5 measurements. [tnoCentaursKS]

Colour	Res. 3:2	Res.others	Classic Cd	Classic Ht	Scattered	Detached	J.Trojans	Centaurs	SP Comets	LP Comets
U-B	0	2	3	10	7	2	1	0	0	0
	— —	0.273± 0.090	0.593± 0.123	**0.274± 0.168**	**0.334± 0.144**	0.180± 0.156	0.100± 0.000	— —	— —	— —
U-V	0	2	3	10	7	2	1	0	0	0
	— —	1.289± 0.030	1.697± 0.110	**1.035± 0.232**	**1.255± 0.239**	0.970± 0.014	0.950± 0.000	— —	— —	— —
U-R	0	2	3	10	7	2	1	0	0	0
	— —	1.888± 0.102	2.350± 0.128	**1.478± 0.316**	**1.803± 0.290**	1.465± 0.092	1.230± 0.000	— —	— —	— —
U-I	0	1	2	7	4	0	0	0	0	0
	— —	2.470± 0.000	3.060± 0.141	**1.921± 0.448**	2.377± 0.465	— —	— —	— —	— —	— —
B-V	44	20	40	48	41	24	83	72	20	33
	0.884± 0.168	**0.950± 0.126**	**1.005± 0.135**	**0.877± 0.174**	**0.846± 0.133**	**0.882± 0.118**	**0.782± 0.096**	**0.868± 0.167**	**0.868± 0.195**	**0.786± 0.070**
B-R	39	22	40	47	43	25	83	74	20	32
	1.445± 0.268	**1.521± 0.223**	**1.629± 0.191**	**1.411± 0.273**	**1.367± 0.205**	**1.410± 0.191**	**1.228± 0.128**	**1.420± 0.269**	**1.364± 0.301**	**1.255± 0.093**
B-I	32	17	26	40	32	21	76	42	13	11
	1.956± 0.421	**2.085± 0.318**	**2.216± 0.256**	**1.886± 0.380**	**1.884± 0.310**	**1.934± 0.239**	**1.650± 0.156**	**1.901± 0.371**	**1.791± 0.130**	**1.643± 0.108**
B-J	4	3	1	1	4	2	5	9	1	0
	2.544± 0.880	3.163± 0.395	3.148± 0.000	2.975± 0.000	3.148± 0.604	3.005± 0.770	2.247± 0.105	**2.676± 0.768**	2.400± 0.000	— —
B-H	4	3	1	1	4	2	5	9	1	0
	2.983± 0.923	3.656± 0.423	3.608± 0.000	3.375± 0.000	3.551± 0.465	3.389± 0.637	2.674± 0.159	**3.184± 0.716**	2.760± 0.000	— —
B-K	3	2	1	1	2	1	5	9	1	0
	3.173± 1.085	3.529± 0.517	3.648± 0.000	3.395± 0.000	3.797± 0.066	3.890± 0.000	2.823± 0.206	**3.252± 0.653**	2.900± 0.000	— —
V-R	45	25	48	55	41	26	89	74	46	36
	0.550± 0.111	**0.589± 0.105**	**0.630± 0.089**	**0.538± 0.108**	**0.515± 0.090**	**0.537± 0.092**	**0.446± 0.056**	**0.550± 0.109**	**0.497± 0.104**	**0.461± 0.060**
V-I	41	26	73	60	34	26	82	47	23	15
	1.090± 0.222	**1.159± 0.171**	**1.234± 0.157**	**1.055± 0.234**	**1.021± 0.167**	**1.048± 0.169**	**0.866± 0.096**	**1.042± 0.218**	**0.945± 0.117**	**0.912± 0.129**
V-J	15	5	4	13	9	4	12	11	1	0
	1.884± 0.474	2.138± 0.327	1.944± 0.484	**1.585± 0.428**	**1.754± 0.481**	1.614± 0.601	**1.551± 0.120**	**1.756± 0.479**	1.630± 0.000	— —
V-H	9	4	1	6	7	4	12	11	1	0
	2.100± 0.537	2.457± 0.495	2.881± 0.000	**1.960± 0.536**	**2.194± 0.575**	1.898± 0.741	**1.986± 0.177**	**2.204± 0.459**	1.990± 0.000	— —
V-K	7	3	1	6	5	3	12	11	1	0
	2.115± 0.585	2.377± 0.544	2.921± 0.000	**2.017± 0.586**	2.279± 0.552	1.783± 1.078	**2.125± 0.206**	**2.315± 0.389**	2.130± 0.000	— —
R-I	39	22	37	44	30	23	82	47	24	15
	0.532± 0.136	**0.545± 0.093**	**0.594± 0.104**	**0.531± 0.151**	**0.515± 0.102**	**0.514± 0.098**	**0.420± 0.061**	**0.500± 0.129**	**0.446± 0.099**	**0.445± 0.071**
R-J	4	3	0	3	5	2	5	9	1	0
	1.428± 0.418	1.527± 0.136	— —	1.348± 0.086	1.447± 0.262	1.498± 0.087	1.080± 0.066	**1.280± 0.360**	1.160± 0.000	— —
R-H	4	3	0	3	5	2	5	9	1	0
	1.912± 0.286	2.021± 0.184	— —	1.761± 0.044	1.862± 0.242	1.882± 0.046	1.508± 0.122	**1.717± 0.347**	1.520± 0.000	— —
R-K	2	2	0	1	3	1	5	9	1	0
	2.113± 0.076	2.066± 0.355	— —	1.803± 0.000	2.020± 0.075	1.900± 0.000	1.656± 0.170	**1.783± 0.309**	1.660± 0.000	— —
I-J	8	6	2	4	9	1	5	16	1	0
	0.716± 0.189	**0.843± 0.211**	1.043± 0.238	0.659± 0.136	**0.838± 0.290**	0.950± 0.000	0.662± 0.062	**0.774± 0.184**	0.730± 0.000	— —
I-H	3	4	1	2	4	1	5	9	1	0
	1.053± 0.479	1.317± 0.252	1.671± 0.000	1.230± 0.121	1.206± 0.429	1.240± 0.000	1.089± 0.115	**1.146± 0.213**	1.090± 0.000	— —
I-K	3	4	1	2	3	1	5	9	1	0
	1.102± 0.525	1.348± 0.289	1.711± 0.000	1.227± 0.070	1.364± 0.141	1.290± 0.000	1.238± 0.159	**1.233± 0.229**	1.230± 0.000	— —
J-H	23	13	29	35	12	11	12	22	1	0
	0.368± 0.223	**0.437± 0.065**	**0.402± 0.083**	**0.329± 0.245**	**0.399± 0.131**	**0.387± 0.120**	**0.434± 0.064**	**0.388± 0.089**	0.360± 0.000	— —
J-K	15	5	4	10	10	4	12	22	1	0
	0.371± 0.127	0.515± 0.123	0.483± 0.086	**0.340± 0.341**	**0.460± 0.128**	0.314± 0.383	**0.574± 0.091**	**0.463± 0.159**	0.500± 0.000	— —
H-K	14	4	4	10	8	4	12	21	1	0
	0.043± 0.062	0.052± 0.023	0.079± 0.030	**0.046± 0.135**	**0.042± 0.120**	0.032± 0.233	**0.139± 0.041**	**0.066± 0.184**	0.140± 0.000	— —
M11	44	25	49	58	35	26	69	62	134	13
	6.257± 2.007	**6.148± 1.375**	**6.537± 0.719**	**5.468± 1.887**	**7.369± 1.838**	**5.386± 2.107**	**11.326± 1.689**	**9.918± 1.965**	**16.152± 1.603**	**13.550± 3.601**
Grt	51	28	80	67	43	29	89	74	46	37
	17.487± 11.370	**22.052± 9.533**	**26.167± 9.143**	**17.319± 11.645**	**14.271± 8.676**	**16.577± 9.242**	**7.276± 4.801**	**17.218± 11.408**	**11.786± 8.347**	**9.341± 6.085**
Hma	22	4	16	29	19	7	3	44	0	1
	5.441± 1.327	5.057± 0.766	**6.136± 0.573**	**4.797± 1.808**	**8.448± 3.161**	**3.040± 2.314**	10.100± 1.735	**10.147± 2.239**	— —	9.400± 0.000
dia	24	4	16	29	19	7	3	44	0	1
	500.371±462.645	383.525±135.785	**230.312± 90.703**	**544.666±335.175**	**166.219±125.272**	**918.286±707.956**	46.633± 22.957	**69.183± 62.029**	— —	55.100± 0.000
pV	24	4	16	29	17	6	3	44	0	1
	0.148± 0.113	0.132± 0.040	**0.140± 0.046**	**0.175± 0.232**	**0.089± 0.077**	**0.303± 0.334**	0.052± 0.023	**0.078± 0.045**	— —	0.101± 0.000

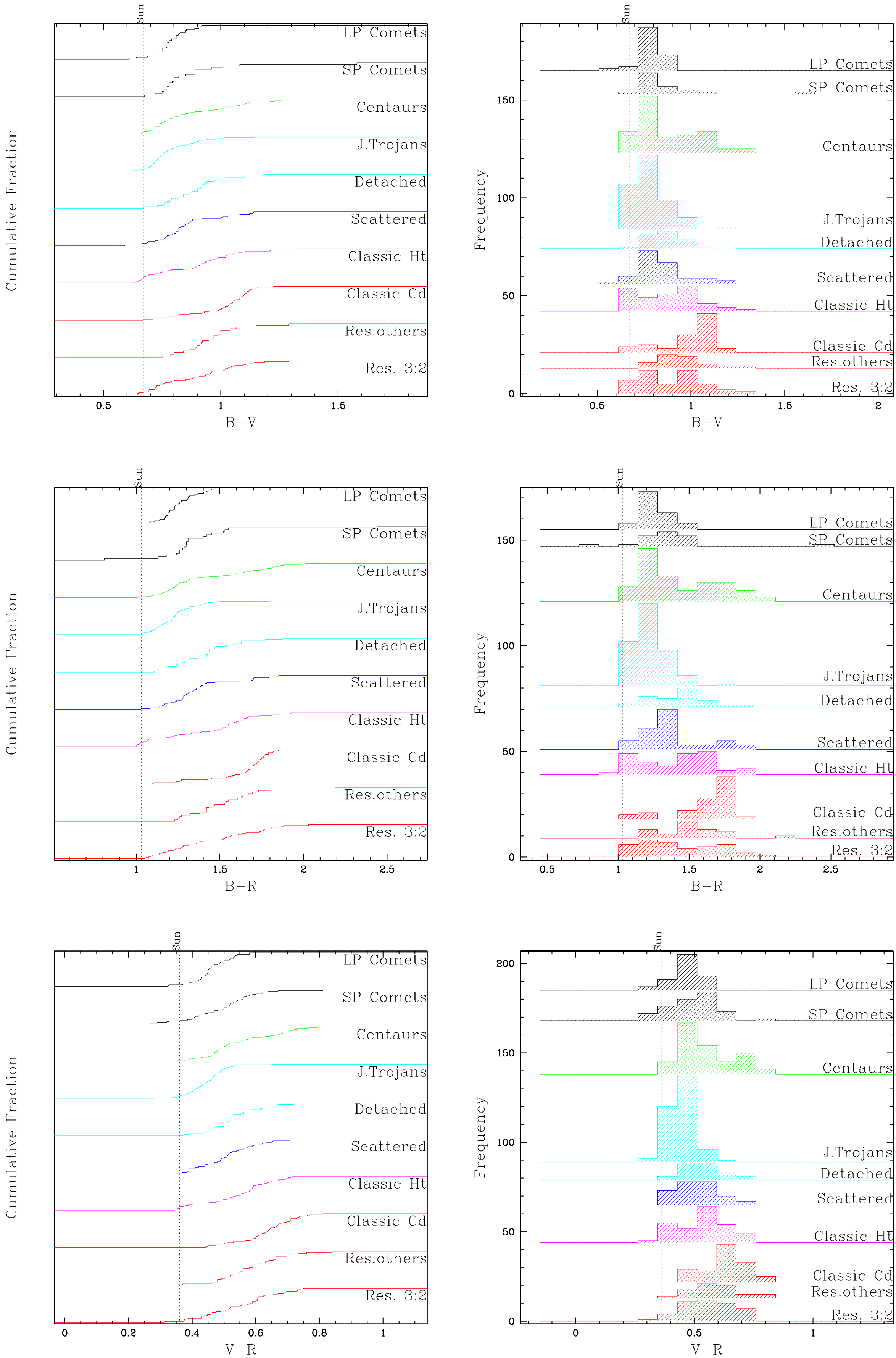

Fig. 12. CPF and histograms for the colour indices for all the classes of object [tnoCentaursKS]).

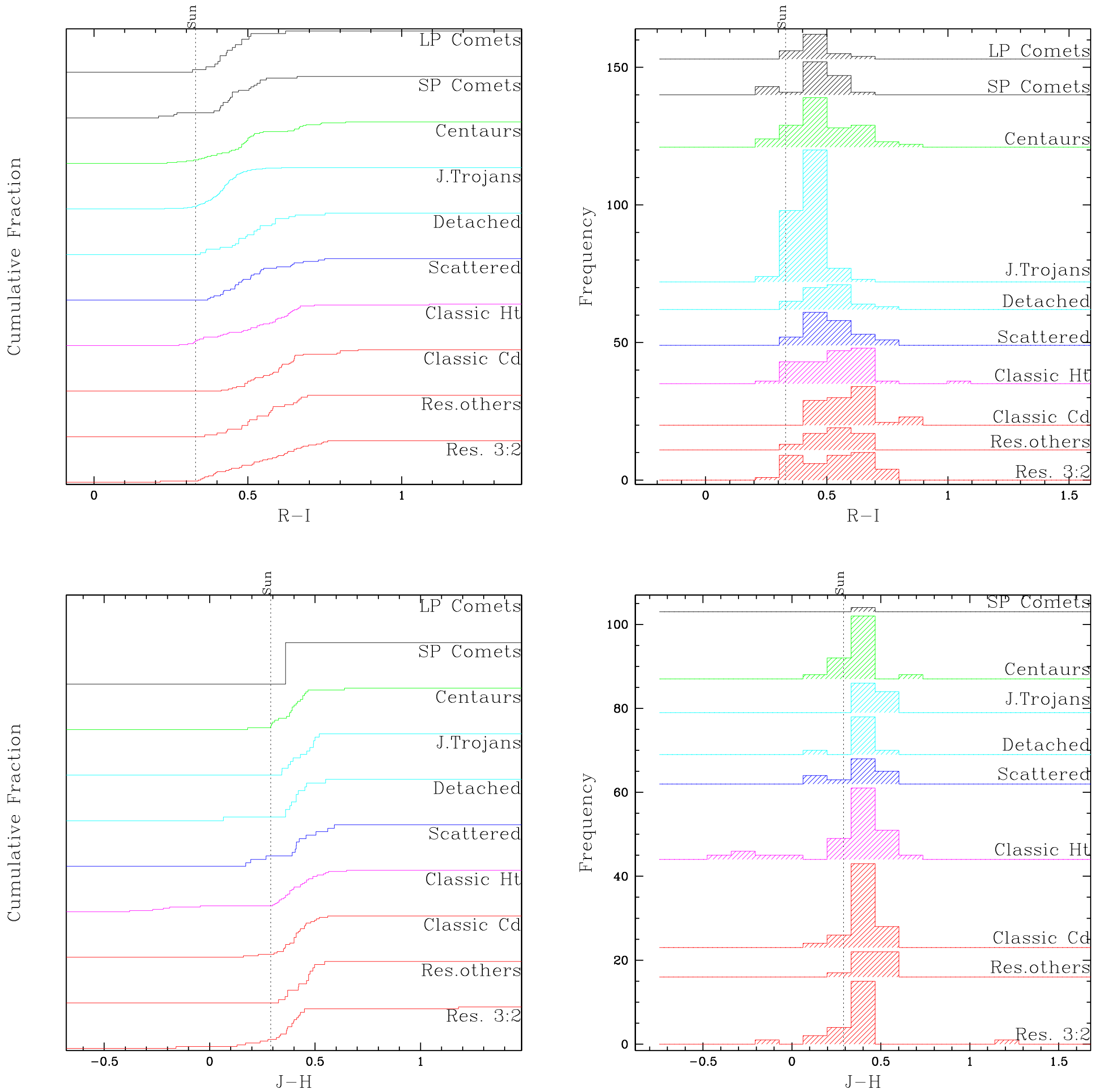
Sun
LP Comets
SP Comets
Centaurs
J.Trojans
Detached
Scattered
Classic Ht
Classic Cd
Res.others
Res. 3:2
Cumulative Fraction
R−I
Frequency
J−H

Fig. 12. cont;d

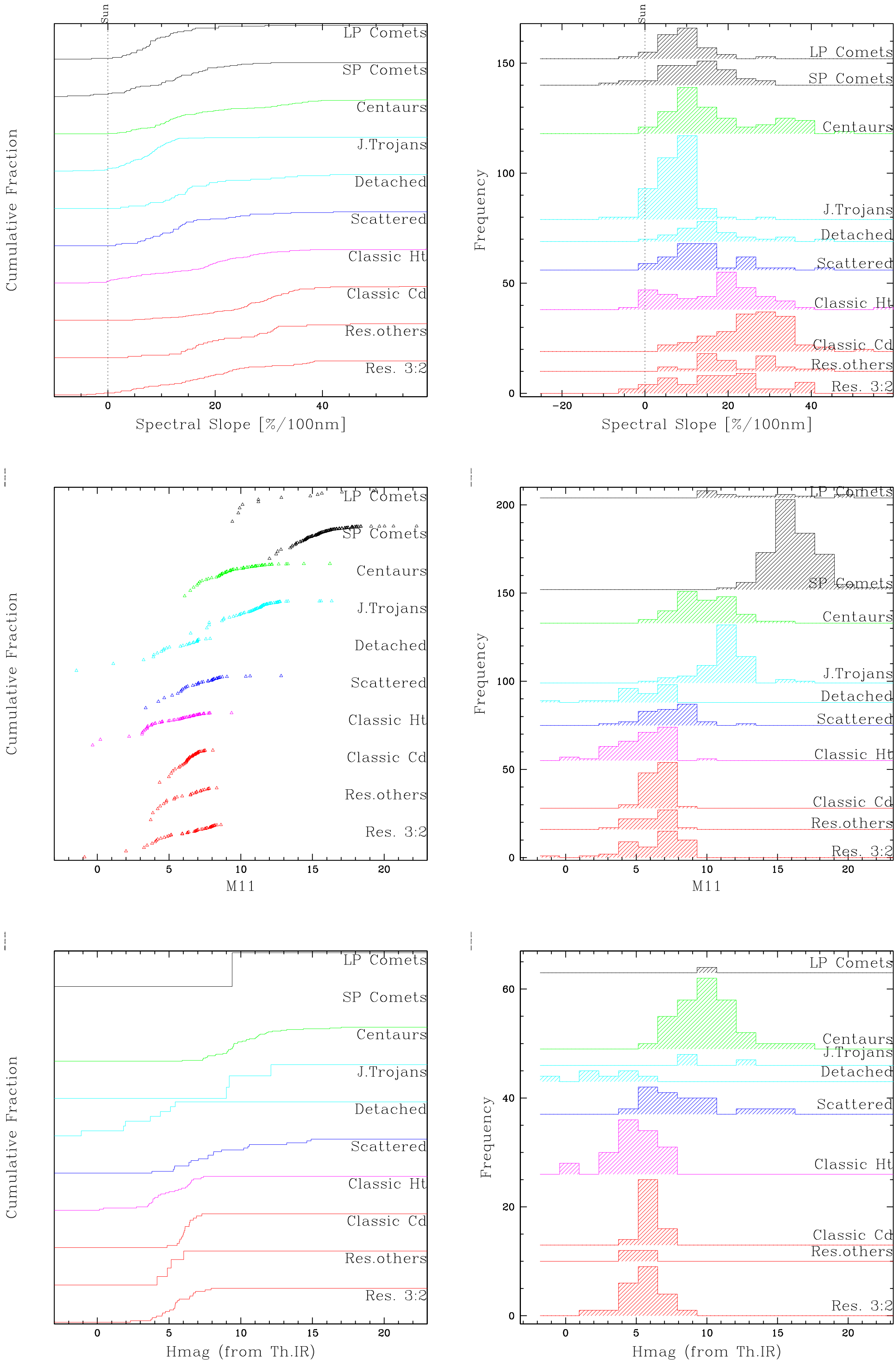

Fig. 12. CPF and histograms for gradient and absolute magnitude [tnoCentaursKS]).

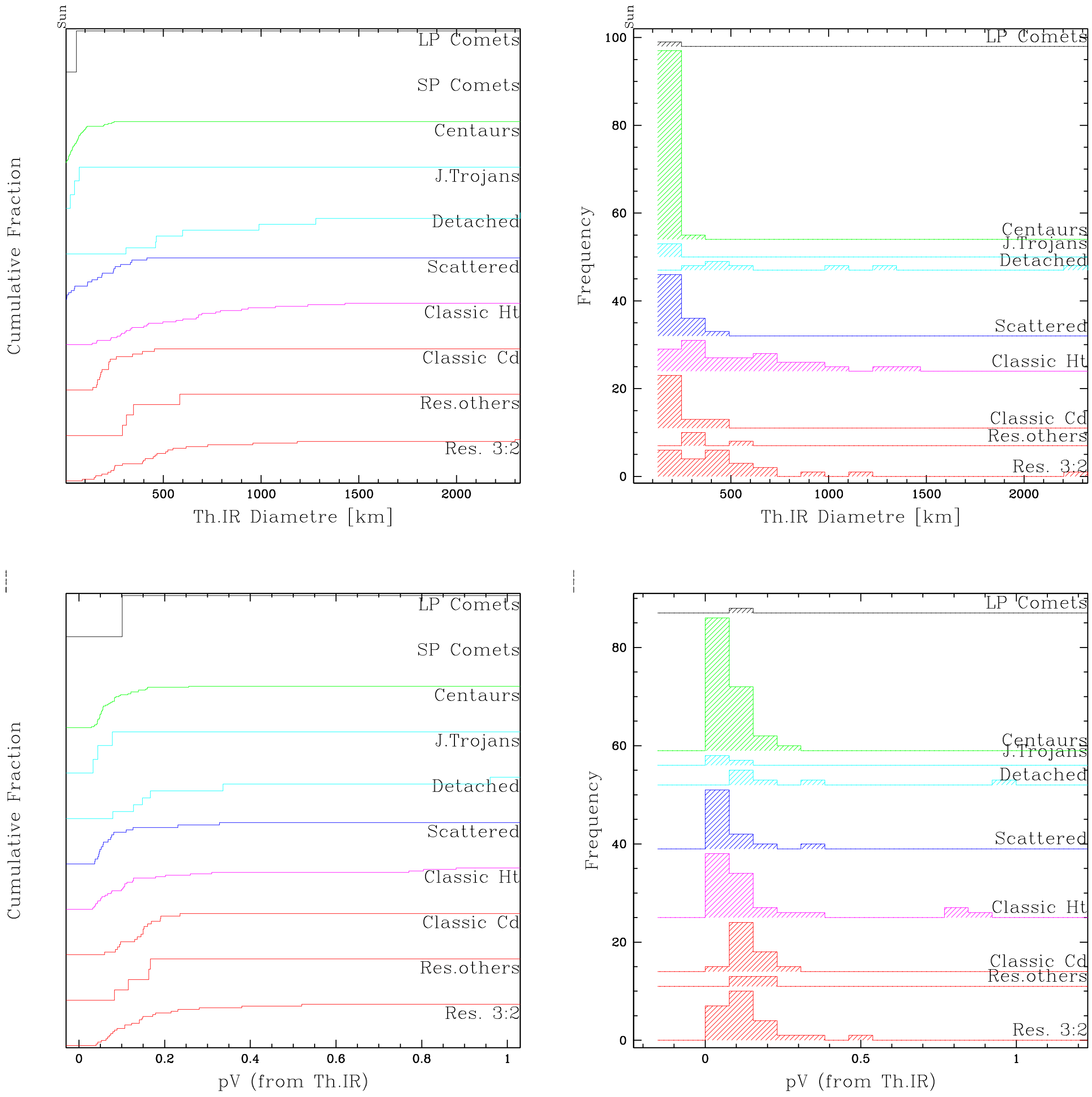

Fig. 12. CPF and Histograms for Thermal IR data

Table 4. Size, mean and square-root of the variance of the sub-samples used for statistical tests: t tests the mean of the 2 sub-samples, f the broadening of the 2 sub-sample, and r is the correlation of the colour (or measurement) with the parameter (a, i, ...).
This table refers to all non-Trojan MBOSSes. [tnoOrbit]

All MBOSS populations (except Trojans)								
Colour	Cut	Pop. 1 (small)		Pop. 2 (large)		Statistics		
		n_1	$\bar{x}/\sigma$	n_2	$\bar{x}/sigma$	$t/Prob$	$f/Prob$	r
vs. a: semi-major axis.								
B-V	39.17	124	0.86± 0.17	158	0.92± 0.16	-2.56/0.011	1.18/0.324	0.09
B-R	39.17	126	1.40± 0.27	157	1.48± 0.25	-2.43/0.016	1.15/0.398	0.08
B-I	39.17	76	1.89± 0.34	124	1.99± 0.37	-1.84/0.067	1.16/0.483	0.11
V-R	39.17	154	0.53± 0.11	179	0.57± 0.11	-2.80 /**0.005**	1.10/0.557	0.14
V-I	39.17	98	1.03± 0.19	208	1.13± 0.21	-3.92 /**0.000**	1.20/0.307	0.18
V-J	39.17	19	1.77± 0.43	39	1.78± 0.47	-0.07/0.944	1.19/0.715	-0.01
R-I	39.17	94	0.49± 0.12	150	0.54± 0.13	-3.30 /**0.001**	1.08/0.682	0.17
I-J	39.17	23	0.76± 0.22	21	0.80± 0.22	-0.61/0.543	1.02/0.955	0.14
J-H	39.17	37	0.39± 0.13	103	0.37± 0.18	0.43/0.666	2.09/0.014	-0.05
H-K	39.17	30	0.06± 0.16	33	0.05± 0.11	0.35/0.726	2.21/0.031	-0.21
M11	39.17	117	10.26± 2.95	187	6.09± 1.70	13.90 /**0.000**	3.00 /**0.000**	**-0.77**
Grt	39.17	157	15.57± 10.43	230	20.08± 10.84	-4.11 /**0.000**	1.08/0.602	0.18
Hma	39.17	59	8.89± 2.28	72	5.39± 2.34	8.63 /**0.000**	1.06/0.823	**-0.60**
dia	39.17	61	128.77±139.07	74	479.53±435.10	-6.54 /**0.000**	9.79 /**0.000**	0.45
pV	39.17	60	0.08± 0.04	72	0.17± 0.19	-3.96 /**0.000**	17.78 /**0.000**	0.27
vs. q: Perihelion distance.								
B-V	29.57	127	0.87± 0.17	166	0.91± 0.16	-2.15/0.032	1.08/0.628	0.19
B-R	29.57	132	1.41± 0.26	162	1.48± 0.25	-2.28/0.023	1.09/0.600	0.20
B-I	29.57	84	1.90± 0.34	126	1.99± 0.36	-1.80/0.073	1.15/0.503	0.20
V-R	29.57	156	0.53± 0.11	188	0.57± 0.11	-3.14 /**0.002**	1.02/0.898	0.22
V-I	29.57	102	1.02± 0.20	215	1.13± 0.21	-4.32 /**0.000**	1.14/0.468	0.29
V-J	29.57	24	1.86± 0.40	37	1.72± 0.50	1.18/0.245	1.56/0.265	0.01
R-I	29.57	100	0.50± 0.13	153	0.54± 0.12	-3.06 /**0.002**	1.01/0.956	0.26
I-J	29.57	27	0.77± 0.21	19	0.81± 0.23	-0.51/0.610	1.24/0.601	0.10
J-H	29.57	40	0.40± 0.18	104	0.37± 0.16	1.02/0.309	1.15/0.561	-0.04
H-K	29.57	31	0.06± 0.16	34	0.05± 0.11	0.52/0.608	2.13/0.036	-0.10
M11	29.57	123	10.23± 2.86	191	5.96± 1.63	15.08 /**0.000**	3.08 /**0.000**	**-0.82**
Grt	29.57	158	15.39± 10.55	242	20.14± 10.67	-4.38 /**0.000**	1.02/0.885	0.28
Hma	29.57	65	9.17± 2.35	69	4.93± 1.62	12.12 /**0.000**	2.09 /**0.003**	**-0.82**
dia	29.57	67	112.28±114.69	71	514.50±426.82	-7.65 /**0.000**	13.85 /**0.000**	0.50
pV	29.57	66	0.08± 0.05	69	0.18± 0.19	-4.05 /**0.000**	13.32 /**0.000**	0.29
vs. e: eccentricity.								
B-V	0.29	165	0.91± 0.17	143	0.88± 0.15	1.71/0.088	1.21/0.242	-0.17
B-R	0.29	160	1.47± 0.27	149	1.41± 0.24	2.04/0.042	1.20/0.255	-0.17
B-I	0.29	121	1.96± 0.37	101	1.94± 0.33	0.44/0.661	1.24/0.270	-0.13
V-R	0.29	185	0.57± 0.11	174	0.53± 0.10	2.70 /**0.007**	1.16/0.324	-0.19
V-I	0.29	204	1.12± 0.21	125	1.05± 0.19	3.00 /**0.003**	1.21/0.251	-0.24
V-J	0.29	36	1.73± 0.45	26	1.86± 0.49	-1.07/0.289	1.22/0.576	0.07
R-I	0.29	145	0.54± 0.13	120	0.51± 0.12	1.82/0.070	1.08/0.650	-0.19
I-J	0.29	21	0.75± 0.21	26	0.82± 0.21	-1.06/0.293	1.03/0.929	0.07
J-H	0.29	99	0.37± 0.19	47	0.40± 0.11	-1.12/0.264	2.90 /**0.000**	0.04
H-K	0.29	33	0.05± 0.10	33	0.05± 0.16	0.04/0.972	2.63 /**0.008**	-0.04
M11	0.29	184	6.47± 2.20	141	9.08± 3.29	-8.12 /**0.000**	2.24 /**0.000**	0.37
Grt	0.29	236	19.91± 10.93	179	15.96± 10.08	3.81 /**0.000**	1.18/0.255	-0.26
Hma	0.29	74	5.72± 2.06	65	8.44± 3.11	-5.99 /**0.000**	2.27 /**0.001**	0.49
dia	0.29	76	429.24±365.48	67	194.49±344.52	3.95 /**0.000**	1.13/0.626	-0.27
pV	0.29	76	0.15± 0.16	64	0.11± 0.13	1.42/0.156	1.58/0.063	-0.12
vs. i: inclination.								
B-V	10.30	119	0.94± 0.16	190	0.86± 0.15	4.23 /**0.000**	1.13/0.456	-0.23
B-R	10.30	120	1.53± 0.26	189	1.39± 0.24	4.73 /**0.000**	1.13/0.443	-0.25
B-I	10.30	81	2.05± 0.35	142	1.89± 0.34	3.24 /**0.001**	1.05/0.800	-0.25
V-R	10.30	145	0.59± 0.11	214	0.53± 0.10	5.25 /**0.000**	1.15/0.341	-0.21
V-I	10.30	155	1.16± 0.20	175	1.03± 0.20	6.00 /**0.000**	1.00/0.984	-0.26
V-J	10.30	22	1.91± 0.41	40	1.71± 0.49	1.65/0.104	1.44/0.379	-0.48
R-I	10.30	106	0.56± 0.13	159	0.50± 0.12	3.21 /**0.002**	1.22/0.250	-0.24
I-J	10.30	14	0.77± 0.30	33	0.80± 0.17	-0.34/0.739	3.19 /**0.007**	-0.14
J-H	10.30	69	0.42± 0.13	77	0.34± 0.19	3.04 /**0.003**	2.10 /**0.002**	-0.29
H-K	10.30	21	0.04± 0.15	45	0.06± 0.13	-0.75/0.460	1.33/0.421	0.06
M11	10.30	147	8.02± 2.86	180	7.27± 3.09	2.27/0.024	1.17/0.333	0.14
Grt	10.30	188	21.73± 10.67	228	15.23± 9.93	6.39 /**0.000**	1.16/0.295	-0.25
Hma	10.30	45	6.91± 1.93	96	7.04± 3.28	-0.30/0.764	2.89 /**0.000**	0.30
dia	10.30	45	219.00±169.17	100	361.76±425.90	-2.88 /**0.005**	6.34 /**0.000**	-0.11
pV	10.30	45	0.12± 0.06	97	0.13± 0.17	-0.49/0.623	7.46 /**0.000**	-0.07
vs. $\mathcal{E} = \sqrt{e^2 + \sin^2 i}$: orbit energy.								
B-V	0.41	149	0.93± 0.17	159	0.85± 0.15	4.39 /**0.000**	1.35/0.063	-0.29
B-R	0.41	145	1.52± 0.26	164	1.38± 0.23	5.18 /**0.000**	1.23/0.198	-0.30
B-I	0.41	102	2.05± 0.36	120	1.87± 0.32	4.07 /**0.000**	1.24/0.252	-0.27
V-R	0.41	170	0.59± 0.11	189	0.52± 0.10	6.38 /**0.000**	1.10/0.530	-0.31
V-I	0.41	182	1.16± 0.20	147	1.01± 0.19	7.17 /**0.000**	1.03/0.876	-0.36
V-J	0.41	31	1.88± 0.42	31	1.68± 0.50	1.75/0.086	1.42/0.339	-0.22
R-I	0.41	127	0.56± 0.13	138	0.50± 0.12	4.10 /**0.000**	1.14/0.439	-0.27
I-J	0.41	20	0.81± 0.20	27	0.77± 0.22	0.70/0.490	1.16/0.749	-0.02
J-H	0.41	87	0.40± 0.13	59	0.35± 0.21	1.86/0.066	2.46 /**0.000**	-0.12
H-K	0.41	31	0.07± 0.09	35	0.04± 0.17	1.07/0.290	3.50 /**0.001**	-0.01
M11	0.41	172	7.24± 2.59	153	8.01± 3.39	-2.29/0.023	1.71 /**0.001**	0.24
Grt	0.41	219	21.67± 10.53	196	14.34± 9.61	7.41 /**0.000**	1.20/0.190	-0.36
Hma	0.41	66	6.42± 2.14	73	7.51± 3.43	-2.28/0.025	2.58 /**0.000**	0.37
dia	0.41	68	352.54±347.27	75	289.07±395.77	1.02/0.309	1.30/0.278	-0.13
pV	0.41	68	0.12± 0.08	72	0.14± 0.19	-0.68/0.498	4.91 /**0.000**	-0.05
vs. $M(1,1)$: absolute magnitude. $M_{\rm cut} = 7$.								
B-V	7.00	137	0.93± 0.16	132	0.87± 0.17	3.20 /**0.002**	1.13/0.467	-0.07
B-R	7.00	133	1.50± 0.25	138	1.40± 0.26	3.28 /**0.001**	1.09/0.604	-0.11
B-I	7.00	115	2.02± 0.36	86	1.88± 0.33	2.86 /**0.005**	1.20/0.368	-0.14
V-R	7.00	157	0.58± 0.11	166	0.53± 0.11	3.58 /**0.000**	1.06/0.720	-0.16
V-I	7.00	140	1.12± 0.22	118	1.04± 0.19	3.16 /**0.002**	1.26/0.193	-0.21
V-J	7.00	42	1.76± 0.48	17	1.88± 0.43	-0.93/0.357	1.24/0.656	0.13
R-I	7.00	133	0.55± 0.12	111	0.50± 0.12	2.94 /**0.004**	1.02/0.905	-0.24
I-J	7.00	27	0.79± 0.21	19	0.79± 0.22	0.01/0.990	1.06/0.870	0.05
J-H	7.00	84	0.35± 0.17	34	0.44± 0.16	-2.54/0.014	1.21/0.543	0.27
H-K	7.00	40	0.05± 0.09	23	0.07± 0.18	-0.58/0.570	3.79 /**0.000**	0.05
M11	7.00	159	5.50± 1.32	174	9.79± 2.56	—/—	3.74 /**0.000**	**1.00**
Grt	7.00	156	20.21± 10.70	167	15.64± 10.32	3.90 /**0.000**	1.07/0.649	-0.21
Hma	7.00	66	5.16± 1.40	35	9.21± 1.30	-14.53 /**0.000**	1.18/0.615	**0.98**
dia	7.00	66	438.64±251.28	35	85.76± 57.48	10.88 /**0.000**	19.11 /**0.000**	**-0.86**
pV	7.00	65	0.14± 0.14	35	0.08± 0.05	3.09 /**0.003**	9.02 /**0.000**	-0.40

Table 4. Cont'd, for "Classical Cold" objects (code Q) only.

Classical Cold TNOs								
Colour	Cut	Pop. 1 (small)		Pop. 2 (large)		Statistics		
		n_1	$\bar{x}/\sigma$	n_2	$\bar{x}/sigma$	$t/Prob$	$f/Prob$	r
vs. a: semi-major axis.								
B-V	43.93	22	0.98± 0.15	18	1.04± 0.11	-1.53/0.135	1.93/0.173	0.47
B-R	43.93	23	1.59± 0.23	17	1.68± 0.11	-1.67/0.105	4.55 /**0.003**	0.55
B-I	43.93	12	2.20± 0.32	14	2.23± 0.20	-0.22/0.830	2.58/0.107	0.37
V-R	43.93	26	0.62± 0.10	22	0.65± 0.08	-1.29/0.203	1.45/0.390	0.40
V-I	43.93	35	1.23± 0.14	38	1.24± 0.17	-0.31/0.761	1.43/0.296	0.19
V-J	43.93	2	1.67± 0.57	2	2.22± 0.29	—/—	—/—	—
R-I	43.93	17	0.59± 0.12	20	0.59± 0.09	0.04/0.965	1.74/0.249	0.24
I-J	43.93	0	—	2	1.04± 0.24	—/—	—/—	—
J-H	43.93	16	0.38± 0.09	13	0.43± 0.07	-1.82/0.079	1.66/0.382	0.46
H-K	43.93	2	0.09± 0.02	2	0.07± 0.04	—/—	—/—	—
M11	43.93	23	6.45± 0.73	26	6.61± 0.72	-0.80/0.428	1.02/0.953	0.30
Grt	43.93	41	25.50± 8.64	38	26.15± 8.70	-0.33/0.739	1.01/0.962	0.24
Hma	43.93	7	5.98± 0.75	9	6.26± 0.39	-0.91/0.387	3.77/0.088	0.09
dia	43.93	7	280.71±115.70	9	191.11± 37.87	1.97/0.090	9.33 /**0.006**	-0.51
pV	43.93	7	0.11± 0.04	9	0.16± 0.04	-2.59/0.022	1.17/0.873	**0.64**
vs. q: Perihelion Distance.								
B-V	41.15	22	0.96± 0.16	18	1.06± 0.06	-2.90 /**0.007**	6.05 /**0.000**	0.59
B-R	41.15	21	1.56± 0.23	19	1.70± 0.09	-2.45/0.021	6.28 /**0.000**	**0.62**
B-I	41.15	13	2.12± 0.32	13	2.31± 0.13	-1.99/0.064	5.55 /**0.006**	0.60
V-R	41.15	25	0.60± 0.09	23	0.66± 0.08	-2.34/0.023	1.42/0.416	0.44
V-I	41.15	39	1.24± 0.16	34	1.22± 0.15	0.54/0.591	1.14/0.703	0.05
V-J	41.15	3	1.90± 0.58	1	2.07±—	—/—	—/—	—
R-I	41.15	20	0.58± 0.10	17	0.61± 0.11	-1.04/0.308	1.20/0.691	0.33
I-J	41.15	2	1.04± 0.24	0	—	—/—	—/—	—
J-H	41.15	12	0.43± 0.08	17	0.38± 0.08	1.66/0.111	1.05/0.960	0.18
H-K	41.15	2	0.07± 0.04	2	0.09± 0.02	—/—	—/—	—
M11	41.15	24	6.41± 0.86	24	6.65± 0.55	-1.17/0.248	2.39/0.042	0.28
Grt	41.15	42	25.06± 8.92	37	26.66± 8.31	-0.82/0.413	1.15/0.666	0.16
Hma	41.15	10	6.13± 0.62	6	6.15± 0.53	-0.06/0.953	1.36/0.769	-0.00
dia	41.15	10	231.60±105.13	6	228.17± 69.12	0.08/0.938	2.31/0.369	-0.29
pV	41.15	10	0.14± 0.05	6	0.13± 0.04	0.44/0.664	1.91/0.494	0.29
vs. e: eccentricity.								
B-V	0.05	21	1.01± 0.14	19	1.00± 0.14	0.05/0.963	1.03/0.958	-0.05
B-R	0.05	22	1.63± 0.21	18	1.63± 0.17	-0.10/0.922	1.64/0.306	0.03
B-I	0.05	11	2.26± 0.26	15	2.18± 0.26	0.78/0.445	1.05/0.913	-0.21
V-R	0.05	23	0.62± 0.09	25	0.64± 0.09	-0.50/0.620	1.20/0.666	0.06
V-I	0.05	35	1.20± 0.15	38	1.26± 0.16	-1.60/0.114	1.04/0.915	0.18
V-J	0.05	2	1.67± 0.57	2	2.22± 0.29	—/—	—/—	—
R-I	0.05	16	0.60± 0.12	21	0.59± 0.09	0.29/0.778	1.58/0.336	-0.05
I-J	0.05	0	—	2	1.04± 0.24	—/—	—/—	—
J-H	0.05	14	0.40± 0.08	15	0.41± 0.09	-0.30/0.770	1.13/0.828	0.29
H-K	0.05	2	0.09± 0.02	2	0.07± 0.04	—/—	—/—	—
M11	0.05	22	6.51± 0.77	26	6.54± 0.69	-0.13/0.899	1.24/0.602	0.07
Grt	0.05	38	24.36± 8.55	41	27.16± 8.57	-1.45/0.151	1.00/0.992	0.14
Hma	0.05	8	6.04± 0.76	8	6.23± 0.32	-0.64/0.538	5.60/0.037	0.14
dia	0.05	8	274.62±107.76	8	186.00± 39.09	2.19/0.057	7.60/0.016	-0.42
pV	0.05	8	0.11± 0.03	8	0.17± 0.03	-3.98 /**0.001**	1.03/0.970	**0.64**
vs. i: inclination.								
B-V	2.09	21	1.02± 0.13	19	0.99± 0.15	0.74/0.464	1.33/0.530	-0.30
B-R	2.09	21	1.66± 0.16	19	1.60± 0.22	0.99/0.331	1.84/0.188	-0.35
B-I	2.09	11	2.28± 0.21	15	2.17± 0.28	1.07/0.297	1.83/0.339	-0.43
V-R	2.09	25	0.64± 0.08	23	0.62± 0.10	0.85/0.401	1.73/0.193	-0.32
V-I	2.09	37	1.24± 0.13	36	1.23± 0.18	0.23/0.819	2.05/0.035	-0.01
V-J	2.09	1	2.01±—	3	1.92± 0.59	—/—	—/—	—
R-I	2.09	19	0.61± 0.11	18	0.58± 0.09	0.69/0.495	1.50/0.406	-0.19
I-J	2.09	1	0.88±—	1	1.21±—	—/—	—/—	—
J-H	2.09	16	0.39± 0.09	13	0.41± 0.08	-0.55/0.584	1.11/0.872	0.24
H-K	2.09	2	0.09± 0.02	2	0.07± 0.05	—/—	—/—	—
M11	2.09	26	6.54± 0.74	23	6.54± 0.71	0.01/0.994	1.11/0.807	0.11
Grt	2.09	40	26.37± 7.46	39	25.23± 9.74	0.58/0.561	1.70/0.102	-0.11
Hma	2.09	7	6.22± 0.78	9	6.07± 0.38	0.45/0.663	4.24/0.065	-0.01
dia	2.09	7	227.29±103.94	9	232.67± 85.49	-0.11/0.914	1.48/0.593	0.03
pV	2.09	7	0.14± 0.05	9	0.14± 0.04	-0.28/0.783	1.41/0.637	-0.09
vs. $\mathcal{E} = \sqrt{e^2 + i^2}$: orbit energy.								
B-V	0.07	23	1.02± 0.12	17	0.98± 0.16	0.94/0.356	1.73/0.229	-0.18
B-R	0.07	24	1.65± 0.17	16	1.60± 0.22	0.63/0.532	1.62/0.288	-0.13
B-I	0.07	12	2.30± 0.13	14	2.15± 0.32	1.59/0.129	6.41 /**0.004**	-0.36
V-R	0.07	27	0.63± 0.09	21	0.62± 0.09	0.41/0.683	1.25/0.591	-0.10
V-I	0.07	36	1.20± 0.15	37	1.27± 0.16	-1.88/0.064	1.04/0.911	0.15
V-J	0.07	1	2.07±—	3	1.90± 0.58	—/—	—/—	—
R-I	0.07	18	0.59± 0.12	19	0.60± 0.09	-0.33/0.744	1.61/0.324	-0.12
I-J	0.07	0	—	2	1.04± 0.24	—/—	—/—	—
J-H	0.07	16	0.36± 0.08	13	0.45± 0.06	-3.15 /**0.004**	2.30/0.152	0.33
H-K	0.07	2	0.09± 0.02	2	0.07± 0.04	—/—	—/—	—
M11	0.07	24	6.53± 0.70	24	6.53± 0.76	-0.01/0.990	1.18/0.694	0.13
Grt	0.07	41	24.61± 8.66	38	27.10± 8.51	-1.29/0.201	1.04/0.916	0.06
Hma	0.07	7	6.19± 0.84	9	6.09± 0.29	0.32/0.761	8.20 /**0.009**	0.08
dia	0.07	7	246.29±113.13	9	217.89± 73.68	0.58/0.578	2.36/0.260	-0.30
pV	0.07	7	0.12± 0.04	9	0.16± 0.05	-1.64/0.123	1.44/0.673	0.49
vs. $M(1,1)$: absolute magnitude. $M_{\mathrm{cut}} = 7$.								
B-V	7.00	28	1.02± 0.13	8	1.02± 0.12	-0.05/0.958	1.20/0.864	0.19
B-R	7.00	27	1.65± 0.18	8	1.66± 0.18	-0.20/0.847	1.05/0.969	0.20
B-I	7.00	23	2.20± 0.26	2	2.39± 0.21	—/—	—/—	—
V-R	7.00	36	0.64± 0.09	8	0.63± 0.07	0.41/0.687	1.71/0.471	0.20
V-I	7.00	33	1.24± 0.14	8	1.22± 0.21	0.19/0.851	2.19/0.125	0.01
V-J	7.00	4	1.94± 0.48	0	—	—/—	—/—	—
R-I	7.00	32	0.59± 0.09	4	0.56± 0.16	—/—	—/—	—
I-J	7.00	2	1.04± 0.24	0	—	—/—	—/—	—
J-H	7.00	18	0.40± 0.07	1	0.52±—	—/—	—/—	—
H-K	7.00	4	0.08± 0.03	0	—	—/—	—/—	—
M11	7.00	36	6.26± 0.62	13	7.31± 0.30	-7.97 /**0.000**	4.33 /**0.009**	**1.00**
Grt	7.00	36	26.42± 8.02	8	25.12± 7.12	0.46/0.656	1.27/0.798	-0.02
Hma	7.00	8	5.96± 0.60	0	—	—/—	—/—	—
dia	7.00	8	258.12±121.47	0	—	—/—	—/—	—
pV	7.00	8	0.14± 0.06	0	—	—/—	—/—	—

Table 4. Cont'd, for "Classical Hot" objects (code H) only.

Classical HOT TNOs								
Colour	Cut	Pop. 1 (small)		Pop. 2 (large)		Statistics		
		n_1	$\bar{x}/\sigma$	n_2	$\bar{x}/sigma$	$t/Prob$	$f/Prob$	r
vs. a: semi-major axis.								
B-V	43.90	28	0.86± 0.17	20	0.90± 0.18	-0.90/0.373	1.08/0.843	0.15
B-R	43.90	27	1.39± 0.28	20	1.44± 0.27	-0.65/0.516	1.03/0.968	0.13
B-I	43.90	20	1.83± 0.39	20	1.95± 0.37	-1.01/0.317	1.08/0.865	0.33
V-R	43.90	30	0.53± 0.11	25	0.55± 0.11	-0.99/0.324	1.00/0.997	0.14
V-I	43.90	25	1.01± 0.22	35	1.08± 0.24	-1.15/0.255	1.15/0.726	0.22
V-J	43.90	11	1.55± 0.46	2	1.79± 0.07	—/—	—/—	—
R-I	43.90	20	0.49± 0.12	24	0.56± 0.17	-1.57/0.125	1.79/0.201	0.38
I-J	43.90	3	0.63± 0.15	1	0.74±—	—/—	—/—	—
J-H	43.90	21	0.32± 0.23	14	0.34± 0.28	-0.21/0.837	1.52/0.388	0.15
H-K	43.90	7	0.01± 0.14	3	0.14± 0.09	—/—	—/—	—
M11	43.90	32	5.17± 1.85	26	5.83± 1.91	-1.34/0.186	1.07/0.858	-0.03
Grt	43.90	32	15.95± 10.46	34	17.38± 10.64	-0.55/0.584	1.04/0.926	0.07
Hma	43.90	17	4.60± 1.74	12	5.08± 1.94	-0.68/0.505	1.24/0.671	-0.16
dia	43.90	17	576.61±327.47	12	499.42±355.21	0.60/0.558	1.18/0.746	0.05
pV	43.90	17	0.19± 0.25	12	0.16± 0.21	0.28/0.784	1.42/0.561	0.11
vs. q: Perihelion Distance.								
B-V	38.85	27	0.78± 0.14	21	1.00± 0.13	-5.60 /**0.000**	1.10/0.845	0.41
B-R	38.85	26	1.25± 0.23	21	1.61± 0.17	-6.06 /**0.000**	1.88/0.152	0.42
B-I	38.85	22	1.64± 0.31	18	2.18± 0.21	-6.50 /**0.000**	2.21/0.102	**0.67**
V-R	38.85	29	0.49± 0.11	26	0.60± 0.06	-4.50 /**0.000**	3.04 /**0.006**	0.23
V-I	38.85	29	0.95± 0.26	31	1.15± 0.16	-3.67 /**0.001**	2.60/0.012	0.40
V-J	38.85	8	1.41± 0.44	5	1.86± 0.24	-2.39/0.036	3.23/0.274	0.18
R-I	38.85	21	0.48± 0.19	23	0.58± 0.08	-2.22/0.035	5.41 /**0.000**	0.33
I-J	38.85	2	0.57± 0.16	2	0.74± 0.01	—/—	—/—	—
J-H	38.85	15	0.23± 0.35	20	0.40± 0.07	-1.92/0.074	23.53 /**0.000**	0.32
H-K	38.85	4	-0.03± 0.15	6	0.10± 0.10	—/—	—/—	—
M11	38.85	30	5.14± 2.04	27	5.69± 1.54	-1.17/0.247	1.75/0.153	-0.10
Grt	38.85	32	11.03± 9.89	34	22.00± 8.08	-4.92 /**0.000**	1.50/0.255	0.29
Hma	38.85	18	4.74± 2.05	11	4.89± 1.42	-0.23/0.821	2.08/0.238	-0.12
dia	38.85	18	534.54±379.15	11	561.24±264.00	-0.22/0.825	2.06/0.245	0.10
pV	38.85	18	0.23± 0.28	11	0.08± 0.03	2.17/0.044	68.57 /**0.000**	-0.10
vs. e: eccentricity.								
B-V	0.11	20	0.94± 0.18	28	0.83± 0.16	2.26/0.030	1.32/0.499	-0.33
B-R	0.11	20	1.52± 0.26	27	1.33± 0.26	2.38/0.022	1.01/0.993	-0.36
B-I	0.11	15	2.04± 0.36	25	1.79± 0.37	2.05/0.049	1.04/0.970	-0.32
V-R	0.11	24	0.56± 0.09	31	0.52± 0.12	1.43/0.158	1.75/0.171	-0.14
V-I	0.11	29	1.11± 0.19	31	1.00± 0.26	1.83/0.073	1.87/0.100	-0.18
V-J	0.11	7	1.71± 0.38	6	1.44± 0.47	1.10/0.299	1.53/0.615	-0.18
R-I	0.11	19	0.55± 0.11	25	0.52± 0.18	0.61/0.548	2.43/0.058	-0.02
I-J	0.11	3	0.65± 0.17	1	0.69±—	—/—	—/—	—
J-H	0.11	20	0.37± 0.17	15	0.27± 0.32	1.17/0.255	3.58/0.011	-0.21
H-K	0.11	5	0.07± 0.09	5	0.02± 0.18	0.56/0.593	3.65/0.238	-0.41
M11	0.11	25	5.53± 1.46	32	5.30± 2.09	0.49/0.623	2.05/0.074	0.08
Grt	0.11	33	19.79± 9.32	33	13.57± 10.82	2.50/0.015	1.35/0.403	-0.26
Hma	0.11	12	5.14± 1.34	17	4.55± 2.08	0.93/0.361	2.40/0.146	0.00
dia	0.11	12	543.47±268.96	17	545.51±383.23	-0.02/0.987	2.03/0.237	-0.08
pV	0.11	12	0.07± 0.03	17	0.25± 0.28	-2.50/0.023	67.45 /**0.000**	0.24
vs. i: inclination.								
B-V	15.30	22	0.97± 0.18	26	0.80± 0.13	3.97 /**0.000**	1.92/0.121	-0.53
B-R	15.30	22	1.57± 0.23	25	1.27± 0.23	4.52 /**0.000**	1.06/0.898	-0.58
B-I	15.30	16	2.15± 0.27	24	1.71± 0.34	4.49 /**0.000**	1.53/0.399	**-0.68**
V-R	15.30	25	0.61± 0.07	30	0.48± 0.10	5.62 /**0.000**	1.86/0.124	**-0.67**
V-I	15.30	27	1.17± 0.21	33	0.96± 0.22	3.80 /**0.000**	1.09/0.836	-0.54
V-J	15.30	4	1.97± 0.17	9	1.42± 0.40	—/—	—/—	—
R-I	15.30	20	0.58± 0.16	24	0.49± 0.13	2.23/0.032	1.33/0.507	-0.47
I-J	15.30	1	0.74±—	3	0.63± 0.15	—/—	—/—	—
J-H	15.30	14	0.44± 0.08	21	0.26± 0.29	2.72/0.012	12.55 /**0.000**	-0.44
H-K	15.30	3	0.07± 0.07	7	0.03± 0.16	—/—	—/—	—
M11	15.30	25	6.32± 1.42	33	4.82± 1.95	3.39 /**0.001**	1.89/0.111	-0.37
Grt	15.30	31	21.76± 9.03	35	12.19± 9.72	4.14 /**0.000**	1.16/0.688	-0.54
Hma	15.30	11	5.86± 1.23	18	4.15± 1.82	3.00 /**0.006**	2.18/0.210	-0.46
dia	15.30	11	387.69±275.61	18	640.59±338.62	-2.19/0.038	1.51/0.514	0.30
pV	15.30	11	0.10± 0.08	18	0.22± 0.28	-1.70/0.104	11.61 /**0.000**	0.35
vs. $\mathcal{E} = \sqrt{e^2 + i^2}$: orbit energy.								
B-V	0.33	23	0.97± 0.17	25	0.79± 0.13	4.20 /**0.000**	1.87/0.139	-0.58
B-R	0.33	23	1.58± 0.22	24	1.25± 0.22	5.04 /**0.000**	1.07/0.874	**-0.64**
B-I	0.33	17	2.17± 0.25	23	1.68± 0.32	5.43 /**0.000**	1.74/0.258	**-0.71**
V-R	0.33	26	0.61± 0.07	29	0.47± 0.09	6.57 /**0.000**	1.98/0.089	**-0.68**
V-I	0.33	28	1.18± 0.20	32	0.95± 0.21	4.22 /**0.000**	1.10/0.809	-0.56
V-J	0.33	6	1.90± 0.22	7	1.31± 0.37	3.58 /**0.005**	2.87/0.268	**-0.87**
R-I	0.33	21	0.59± 0.14	23	0.47± 0.14	2.83 /**0.007**	1.09/0.839	-0.45
I-J	0.33	2	0.74± 0.01	2	0.57± 0.16	—/—	—/—	—
J-H	0.33	15	0.43± 0.09	20	0.25± 0.29	2.65/0.014	10.34 /**0.000**	-0.43
H-K	0.33	5	0.08± 0.10	5	0.02± 0.17	0.66/0.533	3.20/0.286	-0.37
M11	0.33	25	5.91± 1.43	32	5.00± 2.02	2.00/0.050	2.00/0.084	-0.28
Grt	0.33	32	22.07± 8.80	34	11.62± 9.48	4.64 /**0.000**	1.16/0.679	-0.58
Hma	0.33	12	5.55± 1.42	17	4.26± 1.90	2.10/0.045	1.79/0.333	-0.41
dia	0.33	12	420.55±282.62	17	632.28±349.25	-1.80/0.083	1.53/0.482	0.24
pV	0.33	12	0.11± 0.08	17	0.22± 0.29	-1.54/0.141	14.53 /**0.000**	0.37
vs. $M(1,1)$: absolute magnitude. $M_{\rm cut}$ = 7.								
B-V	7.00	35	0.89± 0.18	10	0.85± 0.19	0.54/0.597	1.19/0.669	0.25
B-R	7.00	34	1.43± 0.28	10	1.38± 0.28	0.46/0.651	1.03/0.957	0.25
B-I	7.00	31	1.91± 0.40	7	1.78± 0.32	0.94/0.368	1.53/0.628	0.17
V-R	7.00	42	0.54± 0.12	10	0.54± 0.09	-0.04/0.968	1.58/0.473	0.27
V-I	7.00	39	1.07± 0.26	7	1.01± 0.18	0.79/0.444	2.04/0.377	0.20
V-J	7.00	12	1.55± 0.42	1	2.03±—	—/—	—/—	—
R-I	7.00	36	0.53± 0.15	7	0.50± 0.14	0.60/0.563	1.28/0.820	0.18
I-J	7.00	4	0.66± 0.14	0	—	—/—	—/—	—
J-H	7.00	23	0.28± 0.29	4	0.45± 0.06	—/—	—/—	—
H-K	7.00	9	0.03± 0.14	0	—	—/—	—/—	—
M11	7.00	44	4.99± 1.52	13	7.53± 0.62	-8.87 /**0.000**	6.07 /**0.002**	**1.00**
Grt	7.00	41	16.94± 11.21	10	17.12± 8.95	-0.05/0.960	1.57/0.483	0.29
Hma	7.00	22	4.61± 1.54	2	7.32± 0.12	—/—	—/—	—
dia	7.00	22	565.97±304.49	2	199.50± 89.80	—/—	—/—	—
pV	7.00	22	0.17± 0.23	2	0.07± 0.05	—/—	—/—	—

Table 4. Cont'd, for Resonant only ("3" plutinos and "P" others).

Resonant population								
Colour	Cut	Pop. 1 (small)		Pop. 2 (large)		Statistics		
		n_1	$\bar{x}/\sigma$	n_2	$\bar{x}/sigma$	$t/Prob$	$f/Prob$	r
vs. a: semi-major axis.								
B-V	39.65	31	0.89± 0.17	32	0.91± 0.15	-0.56/0.580	1.32/0.447	0.15
B-R	39.65	30	1.44± 0.28	30	1.49± 0.23	-0.71/0.479	1.47/0.304	0.07
B-I	39.65	24	1.97± 0.44	24	2.02± 0.34	-0.42/0.677	1.72/0.203	0.13
V-R	39.65	37	0.56± 0.11	32	0.57± 0.11	-0.32/0.753	1.06/0.864	0.08
V-I	39.65	34	1.10± 0.22	32	1.12± 0.18	-0.36/0.718	1.44/0.311	0.15
V-J	39.65	9	1.91± 0.59	10	1.93± 0.30	-0.10/0.921	3.80/0.063	0.14
R-I	39.65	32	0.54± 0.14	28	0.53± 0.10	0.10/0.920	1.87/0.102	0.17
I-J	39.65	5	0.71± 0.25	8	0.79± 0.19	-0.59/0.572	1.77/0.479	0.06
J-H	39.65	18	0.33± 0.16	17	0.45± 0.20	-1.85/0.075	1.64/0.321	0.09
H-K	39.65	12	0.05± 0.07	5	0.04± 0.03	0.24/0.813	3.60/0.228	0.00
M11	39.65	35	6.54± 1.76	33	5.93± 1.81	1.41/0.162	1.05/0.881	-0.05
Grt	39.65	38	19.16± 11.26	40	18.61± 10.46	0.22/0.824	1.16/0.651	0.14
Hma	39.65	16	5.37± 1.43	10	5.40± 0.98	-0.05/0.957	2.12/0.255	-0.14
dia	39.65	16	410.06±223.19	12	581.83±608.69	-0.93/0.368	7.44 /**0.001**	-0.05
pV	39.65	16	0.11± 0.05	12	0.19± 0.14	-1.81/0.093	6.86 /**0.001**	-0.01
vs. q: Perihelion distance.								
B-V	31.41	32	0.87± 0.16	32	0.94± 0.15	-1.77/0.082	1.04/0.913	0.19
B-R	31.41	28	1.43± 0.25	33	1.50± 0.25	-1.09/0.280	1.02/0.956	0.13
B-I	31.41	24	1.91± 0.39	25	2.09± 0.37	-1.65/0.105	1.11/0.797	0.19
V-R	31.41	32	0.55± 0.11	38	0.57± 0.11	-0.90/0.370	1.03/0.921	0.10
V-I	31.41	32	1.09± 0.22	35	1.14± 0.19	-0.98/0.329	1.28/0.481	0.16
V-J	31.41	10	1.93± 0.43	10	1.96± 0.49	-0.15/0.882	1.29/0.713	0.04
R-I	31.41	30	0.52± 0.13	31	0.55± 0.11	-0.85/0.399	1.40/0.365	0.13
I-J	31.41	8	0.77± 0.22	6	0.77± 0.19	-0.06/0.952	1.40/0.737	0.05
J-H	31.41	17	0.38± 0.26	19	0.41± 0.07	-0.41/0.689	15.62 /**0.000**	0.10
H-K	31.41	10	0.05± 0.05	8	0.04± 0.06	0.36/0.727	1.42/0.607	-0.05
M11	31.41	30	6.33± 2.13	39	6.13± 1.51	0.44/0.665	1.99/0.046	-0.20
Grt	31.41	38	17.60± 11.47	41	20.50± 10.32	-1.18/0.243	1.24/0.512	0.14
Hma	31.41	15	5.79± 1.41	11	4.83± 0.75	2.23/0.036	3.50/0.052	-0.52
dia	31.41	17	498.94±548.89	11	460.10±139.46	0.28/0.784	15.49 /**0.000**	0.08
pV	31.41	17	0.17± 0.13	11	0.12± 0.04	1.49/0.152	11.16 /**0.000**	-0.13
vs. e: eccentricity.								
B-V	0.25	29	0.88± 0.17	35	0.92± 0.15	-0.97/0.334	1.22/0.580	0.06
B-R	0.25	28	1.43± 0.27	33	1.51± 0.24	-1.12/0.268	1.24/0.549	0.08
B-I	0.25	23	1.93± 0.41	26	2.06± 0.37	-1.15/0.257	1.18/0.685	0.11
V-R	0.25	36	0.56± 0.11	34	0.57± 0.11	-0.36/0.721	1.14/0.694	0.12
V-I	0.25	36	1.09± 0.20	31	1.14± 0.21	-0.99/0.324	1.08/0.822	0.17
V-J	0.25	11	1.78± 0.50	9	2.16± 0.28	-2.15/0.047	3.04/0.129	0.31
R-I	0.25	32	0.52± 0.13	29	0.56± 0.11	-1.42/0.160	1.22/0.599	0.23
I-J	0.25	5	0.69± 0.23	9	0.82± 0.18	-1.09/0.314	1.62/0.521	0.24
J-H	0.25	20	0.37± 0.08	16	0.42± 0.26	-0.64/0.529	10.00 /**0.000**	0.06
H-K	0.25	10	0.04± 0.07	8	0.05± 0.04	-0.38/0.708	3.57/0.107	0.09
M11	0.25	35	6.36± 1.78	34	6.07± 1.82	0.67/0.506	1.05/0.880	0.03
Grt	0.25	40	18.61± 10.18	39	19.62± 11.74	-0.41/0.684	1.33/0.379	0.15
Hma	0.25	12	4.66± 1.08	14	6.00± 1.07	-3.15 /**0.004**	1.03/0.952	0.38
dia	0.25	12	503.28±200.52	16	468.98±552.25	0.23/0.821	7.59 /**0.002**	-0.11
pV	0.25	12	0.12± 0.05	16	0.16± 0.13	-1.19/0.247	6.54 /**0.003**	0.12
vs. i: inclination.								
B-V	12.10	29	0.92± 0.18	35	0.90± 0.14	0.50/0.618	1.60/0.190	-0.03
B-R	12.10	29	1.50± 0.28	32	1.44± 0.23	0.92/0.363	1.46/0.308	-0.12
B-I	12.10	25	2.01± 0.40	24	1.99± 0.39	0.23/0.821	1.07/0.867	-0.05
V-R	12.10	36	0.58± 0.11	34	0.54± 0.11	1.41/0.163	1.16/0.667	-0.21
V-I	12.10	36	1.13± 0.18	31	1.10± 0.23	0.76/0.450	1.52/0.232	-0.18
V-J	12.10	10	2.07± 0.31	10	1.82± 0.54	1.27/0.223	3.05/0.112	-0.48
R-I	12.10	32	0.53± 0.11	29	0.54± 0.13	-0.34/0.735	1.35/0.416	-0.04
I-J	12.10	6	0.83± 0.17	8	0.73± 0.22	0.99/0.342	1.61/0.622	-0.39
J-H	12.10	22	0.40± 0.22	14	0.38± 0.11	0.49/0.624	3.85/0.016	-0.21
H-K	12.10	9	0.04± 0.06	9	0.05± 0.05	-0.65/0.526	1.66/0.490	0.31
M11	12.10	34	6.71± 1.35	35	5.74± 2.05	2.31/0.024	2.32/0.018	-0.30
Grt	12.10	40	20.47± 10.28	39	17.71± 11.50	1.12/0.264	1.25/0.490	-0.19
Hma	12.10	10	6.06± 1.10	16	4.95± 1.17	2.43/0.024	1.13/0.878	-0.34
dia	12.10	10	256.95±106.78	18	609.64±492.46	-2.92 /**0.009**	21.27 /**0.000**	0.28
pV	12.10	10	0.13± 0.05	18	0.15± 0.13	-0.53/0.604	5.65/0.012	0.02
vs. $\mathcal{E} = \sqrt{e^2 + i^2}$: Orbit Energy.								
B-V	0.33	27	0.90± 0.19	37	0.91± 0.13	-0.17/0.863	2.19/0.029	0.03
B-R	0.33	27	1.48± 0.30	34	1.47± 0.21	0.23/0.818	1.96/0.069	-0.03
B-I	0.33	22	1.99± 0.44	27	2.01± 0.35	-0.23/0.822	1.53/0.304	0.05
V-R	0.33	34	0.57± 0.11	36	0.56± 0.11	0.49/0.625	1.12/0.738	-0.07
V-I	0.33	33	1.12± 0.20	34	1.12± 0.21	0.02/0.983	1.15/0.698	-0.02
V-J	0.33	8	2.03± 0.44	12	1.89± 0.47	0.71/0.491	1.15/0.887	-0.08
R-I	0.33	29	0.52± 0.12	32	0.56± 0.12	-1.32/0.191	1.02/0.963	0.12
I-J	0.33	4	0.84± 0.18	10	0.74± 0.21	—/—	—/—	—
J-H	0.33	19	0.41± 0.23	17	0.38± 0.11	0.54/0.592	4.32 /**0.005**	-0.06
H-K	0.33	6	0.03± 0.07	12	0.05± 0.05	-0.85/0.423	2.06/0.294	0.31
M11	0.33	32	6.58± 1.59	37	5.90± 1.92	1.60/0.114	1.46/0.289	-0.22
Grt	0.33	38	19.25± 11.11	41	18.97± 10.87	0.11/0.910	1.04/0.891	-0.02
Hma	0.33	10	5.14± 0.93	16	5.53± 1.43	-0.84/0.407	2.33/0.202	-0.05
dia	0.33	10	413.98±157.28	18	522.40±527.30	-0.81/0.427	11.24 /**0.001**	0.12
pV	0.33	10	0.11± 0.05	18	0.16± 0.13	-1.53/0.140	7.47 /**0.004**	0.05
vs. $M(1, 1)$: absolute magnitude.								
B-V	7.00	37	0.95± 0.15	20	0.83± 0.14	3.01 /**0.004**	1.13/0.790	-0.28
B-R	7.00	36	1.54± 0.25	22	1.36± 0.21	2.98 /**0.004**	1.47/0.356	-0.26
B-I	7.00	30	2.10± 0.37	16	1.81± 0.35	2.63/0.013	1.16/0.785	-0.29
V-R	7.00	40	0.58± 0.10	27	0.53± 0.11	1.85/0.070	1.14/0.696	-0.07
V-I	7.00	34	1.14± 0.21	26	1.07± 0.19	1.29/0.201	1.25/0.568	-0.10
V-J	7.00	17	1.89± 0.46	2	2.40± 0.05	—/—	—/—	—
R-I	7.00	33	0.55± 0.12	25	0.52± 0.12	0.94/0.351	1.02/0.981	-0.12
I-J	7.00	13	0.76± 0.20	1	0.94±—	—/—	—/—	—
J-H	7.00	26	0.37± 0.10	5	0.58± 0.33	-1.39/0.234	12.05 /**0.000**	0.44
H-K	7.00	17	0.04± 0.05	1	0.12±—	—/—	—/—	—
M11	7.00	40	5.30± 1.27	28	7.78± 0.39	-11.57 /**0.000**	10.36 /**0.000**	**1.00**
Grt	7.00	40	21.02± 10.75	27	16.84± 10.61	1.57/0.121	1.03/0.961	-0.10
Hma	7.00	21	5.23± 1.21	1	7.93±—	—/—	—/—	—
dia	7.00	21	421.38±197.30	1	85.00±—	—/—	—/—	—
pV	7.00	21	0.11± 0.05	1	0.17±—	—/—	—/—	—

Table 4. Cont'd, for Centaurs ("C") and Sattered ("K") and Detached ("D") TNOs only.

Centaur, and Scattered and Detached Disks TNO populations								
Colour	Cut	Pop. 1 (small)		Pop. 2 (large)		Statistics		
		n_1	$\bar{x}/\sigma$	n_2	$\bar{x}/sigma$	$t/Prob$	$f/Prob$	r
vs. a: semi-major axis.								
B-V	25.20	58	0.86± 0.17	53	0.86± 0.13	0.25/0.803	1.81/0.031	-0.04
B-R	25.20	60	1.41± 0.27	56	1.38± 0.22	0.78/0.440	1.51/0.127	-0.10
B-I	25.20	35	1.91± 0.39	38	1.88± 0.29	0.42/0.673	1.75/0.098	-0.05
V-R	25.20	59	0.55± 0.11	56	0.52± 0.10	1.64/0.105	1.09/0.749	-0.13
V-I	25.20	39	1.06± 0.22	45	1.01± 0.18	0.91/0.365	1.54/0.165	-0.07
V-J	25.20	10	1.69± 0.45	11	1.79± 0.49	-0.47/0.641	1.21/0.787	-0.13
R-I	25.20	39	0.51± 0.13	40	0.49± 0.11	0.87/0.385	1.23/0.525	-0.07
I-J	25.20	15	0.76± 0.18	9	0.85± 0.29	-0.82/0.430	2.72/0.097	0.21
J-H	25.20	21	0.39± 0.09	19	0.40± 0.13	-0.52/0.606	1.99/0.138	-0.18
H-K	25.20	20	0.07± 0.18	11	0.01± 0.16	0.93/0.363	1.30/0.689	-0.25
M11	25.20	50	10.06± 1.81	49	7.17± 1.84	7.88 /**0.000**	1.03/0.914	**-0.71**
Grt	25.20	59	17.45± 11.26	59	14.88± 10.18	1.30/0.196	1.22/0.445	-0.11
Hma	25.20	38	9.95± 1.76	22	7.16± 3.68	3.34 /**0.003**	4.39 /**0.000**	-0.53
dia	25.20	38	69.47± 61.14	24	319.87±507.94	-2.40/0.025	69.02 /**0.000**	0.53
pV	25.20	38	0.08± 0.05	21	0.13± 0.20	-1.24/0.229	18.60 /**0.000**	0.33
vs. q: Perihelion Distance.								
B-V	14.93	60	0.85± 0.15	61	0.87± 0.15	-0.48/0.632	1.04/0.877	0.02
B-R	14.93	62	1.39± 0.24	64	1.41± 0.25	-0.25/0.802	1.08/0.775	0.00
B-I	14.93	37	1.91± 0.35	45	1.88± 0.32	0.35/0.725	1.23/0.517	-0.01
V-R	14.93	62	0.54± 0.10	63	0.53± 0.11	0.48/0.630	1.18/0.519	-0.08
V-I	14.93	42	1.04± 0.21	52	1.03± 0.19	0.45/0.651	1.29/0.379	-0.04
V-J	14.93	11	1.73± 0.41	12	1.68± 0.55	0.25/0.806	1.80/0.362	-0.17
R-I	14.93	41	0.50± 0.13	46	0.51± 0.11	-0.44/0.664	1.29/0.412	0.05
I-J	14.93	14	0.81± 0.15	11	0.78± 0.30	0.33/0.746	3.74/0.029	0.28
J-H	14.93	20	0.40± 0.08	23	0.38± 0.13	0.70/0.488	2.97/0.020	-0.18
H-K	14.93	19	0.07± 0.19	13	0.03± 0.16	0.71/0.481	1.33/0.619	-0.15
M11	14.93	49	10.18± 1.83	61	6.95± 1.69	9.52 /**0.000**	1.16/0.581	**-0.82**
Grt	14.93	62	16.29± 10.39	68	16.23± 10.85	0.03/0.975	1.09/0.735	-0.02
Hma	14.93	42	10.27± 2.05	21	6.08± 2.63	6.41 /**0.000**	1.65/0.175	**-0.84**
dia	14.93	44	60.54± 58.39	21	398.37±515.90	-2.99 /**0.007**	78.06 /**0.000**	**0.63**
pV	14.93	44	0.08± 0.04	18	0.16± 0.21	-1.54/0.140	22.92 /**0.000**	0.47
vs. e: eccentricity.								
B-V	0.47	76	0.87± 0.16	60	0.86± 0.14	0.39/0.696	1.29/0.307	-0.01
B-R	0.47	76	1.41± 0.27	65	1.40± 0.20	0.21/0.832	1.76/0.021	-0.00
B-I	0.47	48	1.92± 0.36	46	1.89± 0.28	0.48/0.635	1.62/0.108	0.06
V-R	0.47	76	0.54± 0.11	64	0.54± 0.09	-0.13/0.893	1.65/0.042	0.03
V-I	0.47	54	1.05± 0.22	52	1.02± 0.16	0.80/0.427	1.80/0.037	0.04
V-J	0.47	13	1.70± 0.50	11	1.77± 0.48	-0.31/0.757	1.09/0.900	0.09
R-I	0.47	50	0.52± 0.12	49	0.49± 0.11	1.35/0.181	1.07/0.820	-0.01
I-J	0.47	14	0.81± 0.21	12	0.80± 0.24	0.13/0.898	1.24/0.702	0.02
J-H	0.47	26	0.39± 0.10	19	0.39± 0.12	-0.18/0.857	1.38/0.450	0.03
H-K	0.47	23	0.06± 0.17	10	0.05± 0.18	0.21/0.835	1.16/0.737	-0.09
M11	0.47	70	8.44± 2.23	51	7.99± 2.71	0.96/0.338	1.48/0.130	-0.03
Grt	0.47	78	17.08± 11.68	67	15.40± 8.31	1.00/0.318	1.97 /**0.005**	-0.04
Hma	0.47	35	8.53± 2.77	33	8.99± 3.33	-0.62/0.539	1.45/0.290	0.15
dia	0.47	35	189.78±389.86	35	171.09±278.69	0.23/0.818	1.96/0.054	-0.04
pV	0.47	33	0.11± 0.16	34	0.09± 0.08	0.45/0.657	4.23 /**0.000**	-0.02
vs. i: inclination.								
B-V	19.70	72	0.90± 0.17	64	0.82± 0.11	3.44 /**0.001**	2.30 /**0.001**	-0.19
B-R	19.70	74	1.47± 0.27	67	1.33± 0.17	3.89 /**0.000**	2.55 /**0.000**	-0.20
B-I	19.70	48	1.98± 0.36	46	1.83± 0.26	2.35/0.021	1.85/0.040	-0.21
V-R	19.70	73	0.57± 0.11	67	0.51± 0.08	3.58 /**0.000**	1.72/0.026	-0.18
V-I	19.70	56	1.08± 0.21	50	1.00± 0.16	2.25/0.027	1.78/0.043	-0.16
V-J	19.70	16	1.83± 0.42	8	1.53± 0.55	1.39/0.192	1.70/0.366	-0.31
R-I	19.70	50	0.54± 0.12	49	0.48± 0.10	2.55/0.013	1.49/0.166	-0.25
I-J	19.70	20	0.79± 0.24	6	0.83± 0.13	-0.54/0.599	3.49/0.171	0.11
J-H	19.70	30	0.40± 0.10	15	0.37± 0.12	0.84/0.411	1.34/0.485	-0.26
H-K	19.70	22	0.04± 0.18	11	0.08± 0.16	-0.60/0.553	1.17/0.829	0.12
M11	19.70	67	8.15± 2.34	54	8.37± 2.59	-0.49/0.626	1.22/0.434	0.23
Grt	19.70	76	19.27± 11.31	69	13.04± 7.82	3.88 /**0.000**	2.09 /**0.002**	-0.20
Hma	19.70	32	8.95± 2.57	36	8.58± 3.43	0.50/0.616	1.79/0.104	0.23
dia	19.70	32	132.69±190.00	38	220.64±421.10	-1.16/0.253	4.91 /**0.000**	-0.09
pV	19.70	32	0.10± 0.08	35	0.10± 0.15	-0.13/0.900	3.66 /**0.000**	-0.09
vs. $\mathcal{E} = \sqrt{e^2 + i^2}$: Orbit Energy								
B-V	0.60	73	0.89± 0.17	63	0.84± 0.12	1.95/0.053	1.78/0.021	-0.15
B-R	0.60	75	1.44± 0.27	66	1.36± 0.18	2.16/0.033	2.23 /**0.001**	-0.17
B-I	0.60	49	1.94± 0.37	45	1.86± 0.27	1.21/0.231	1.87/0.038	-0.10
V-R	0.60	74	0.55± 0.11	66	0.53± 0.08	1.57/0.119	1.80/0.016	-0.13
V-I	0.60	56	1.06± 0.22	50	1.01± 0.15	1.42/0.158	2.04/0.012	-0.09
V-J	0.60	15	1.77± 0.43	9	1.66± 0.57	0.52/0.612	1.76/0.338	-0.09
R-I	0.60	51	0.53± 0.12	48	0.49± 0.10	1.87/0.065	1.50/0.164	-0.15
I-J	0.60	18	0.78± 0.25	8	0.86± 0.13	-1.17/0.253	3.83/0.078	0.06
J-H	0.60	29	0.41± 0.09	16	0.36± 0.13	1.23/0.233	2.31/0.054	-0.07
H-K	0.60	23	0.06± 0.15	10	0.04± 0.23	0.22/0.827	2.44/0.085	-0.01
M11	0.60	68	8.36± 2.05	53	8.10± 2.89	0.56/0.574	1.99 /**0.008**	0.02
Grt	0.60	77	18.04± 11.80	68	14.34± 7.81	2.25/0.026	2.29 /**0.001**	-0.18
Hma	0.60	34	9.02± 2.36	34	8.49± 3.61	0.72/0.475	2.34/0.017	0.12
dia	0.60	34	122.97±119.77	36	234.70±451.12	-1.43/0.159	14.19 /**0.000**	0.02
pV	0.60	33	0.08± 0.05	34	0.12± 0.17	-1.13/0.266	9.67 /**0.000**	-0.01
vs. $M(1,1)$: absolute magnitude.								
B-V	7.00	37	0.88± 0.14	76	0.86± 0.16	0.64/0.524	1.33/0.352	-0.06
B-R	7.00	36	1.43± 0.22	80	1.40± 0.26	0.60/0.549	1.37/0.304	-0.07
B-I	7.00	31	1.92± 0.33	49	1.92± 0.35	0.06/0.955	1.13/0.726	-0.11
V-R	7.00	39	0.54± 0.10	78	0.54± 0.11	0.14/0.886	1.17/0.611	-0.01
V-I	7.00	34	1.05± 0.19	55	1.04± 0.20	0.09/0.928	1.10/0.791	-0.12
V-J	7.00	9	1.72± 0.53	13	1.81± 0.43	-0.41/0.685	1.50/0.506	-0.10
R-I	7.00	32	0.52± 0.11	53	0.51± 0.12	0.28/0.784	1.32/0.415	-0.18
I-J	7.00	8	0.85± 0.22	17	0.79± 0.23	0.69/0.503	1.10/0.951	-0.19
J-H	7.00	17	0.38± 0.10	23	0.40± 0.09	-0.72/0.478	1.13/0.774	0.22
H-K	7.00	10	0.06± 0.11	21	0.06± 0.18	-0.13/0.895	2.66/0.134	-0.09
M11	7.00	39	5.59± 1.33	82	9.51± 1.73	-13.72 /**0.000**	1.70/0.071	**1.00**
Grt	7.00	39	17.08± 9.91	79	16.32± 11.02	0.38/0.705	1.24/0.477	-0.05
Hma	7.00	15	5.42± 1.55	32	9.37± 1.24	-8.67 /**0.000**	1.56/0.292	**0.97**
dia	7.00	15	372.33±204.56	32	78.68± 49.77	5.48 /**0.000**	16.89 /**0.000**	**-0.90**
pV	7.00	14	0.14± 0.10	32	0.08± 0.05	2.06/0.056	4.69 /**0.000**	-0.49

Table 5. f and t tests on the $M11$ distribution: comparing the $M11$ of the "blue" objects (or small value of the considered parameter) with the $M11$ of the "red" objects (or large value). Cut value is the median of the colour (or parameter). The first subtable is for the whole MBOSS sample (except Trojans), the following subtables for sub-samples as indicated in each table. [tnoOrbit]

Colour	Cut	n_1	<Cut $\bar{x} \pm \sigma$	n_2	>Cut $\bar{x} \pm \sigma$	Statistics $f/prob$	$t/prob$	r
All MBOSS population (except Trojans)								
B-V	0.85	122	8.40± 3.28	147	6.88± 2.82	4.03 /**0.000**	1.35/0.081	-0.07
B-R	1.37	121	8.51± 3.20	150	6.91± 2.80	4.33 /**0.000**	1.31/0.119	-0.11
B-I	1.88	89	8.22± 3.49	112	6.47± 2.29	4.07 /**0.000**	2.32 /**0.000**	-0.14
V-R	0.53	148	8.95± 3.97	175	7.50± 3.42	3.48 /**0.001**	1.35/0.057	-0.16
V-I	1.06	128	8.45± 3.69	130	6.68± 2.45	4.52 /**0.000**	2.27 /**0.000**	-0.21
V-J	1.72	29	5.95± 2.79	30	5.68± 1.87	0.44/0.661	2.24/0.035	0.13
R-I	0.51	114	8.49± 3.77	130	6.90± 2.60	3.77 /**0.000**	2.11 /**0.000**	-0.24
I-J	0.79	22	6.05± 2.69	24	6.82± 2.33	-1.03/0.310	1.33/0.504	0.05
J-H	0.40	66	5.99± 2.41	52	6.81± 1.78	-2.11/0.037	1.84/0.026	0.27
H-K	0.05	32	6.00± 2.80	31	6.68± 2.87	-0.94/0.351	1.05/0.899	0.05
M11	7.02	165	5.56± 1.33	168	9.89± 2.55	—/—	3.68 /**0.000**	**1.00**
Grt	15.87	154	9.10± 4.01	169	7.33± 3.27	4.33 /**0.000**	1.51 /**0.010**	-0.21
Hma	6.47	55	4.38± 1.27	46	8.50± 1.74	-13.36 /**0.000**	1.89/0.026	**0.98**
dia	218.00	44	8.50± 1.85	57	4.52± 1.40	11.88 /**0.000**	1.75/0.049	**-0.86**
pV	0.08	51	7.39± 2.25	49	5.08± 2.34	5.04 /**0.000**	1.07/0.803	-0.40
Cold TNOs (Q) population only								
B-V	1.04	16	6.38± 0.65	20	6.41± 0.81	-0.13/0.895	1.55/0.391	0.19
B-R	1.70	16	6.33± 0.80	19	6.50± 0.66	-0.65/0.518	1.50/0.410	0.20
B-I	2.26	12	6.34± 0.63	13	6.32± 0.62	0.10/0.923	1.04/0.944	0.38
V-R	0.64	20	6.37± 0.81	24	6.48± 0.54	-0.50/0.618	2.27/0.063	0.20
V-I	1.27	20	6.54± 0.62	21	6.29± 0.79	1.09/0.283	1.65/0.279	0.01
V-J	2.01	2	5.55± 0.19	2	5.54± 0.77	—/—	—/—	—
R-I	0.60	19	6.50± 0.48	17	6.21± 0.64	1.52/0.139	1.79/0.236	-0.15
I-J	0.88	1	5.15±—	1	6.08±—	—/—	—/—	—
J-H	0.40	9	6.34± 0.60	10	6.28± 0.59	0.24/0.810	1.03/0.957	-0.12
H-K	0.07	2	6.04± 0.06	2	5.21± 0.31	—/—	—/—	—
M11	6.60	24	5.98± 0.57	25	7.07± 0.34	-8.10 /**0.000**	2.87/0.013	**1.00**
Grt	26.38	21	6.48± 0.78	23	6.38± 0.57	0.50/0.622	1.87/0.156	-0.02
Hma	6.05	4	5.04± 0.55	4	5.91± 0.36	—/—	—/—	—
dia	186.00	4	5.91± 0.36	4	5.04± 0.55	—/—	—/—	—
pV	0.14	3	5.01± 0.67	5	5.76± 0.46	—/—	—/—	—
Hot TNOs (H) population only								
B-V	0.89	21	5.15± 2.02	24	5.54± 1.49	-0.74/0.462	1.83/0.163	0.25
B-R	1.47	20	5.21± 2.05	24	5.54± 1.49	-0.61/0.548	1.89/0.148	0.25
B-I	1.99	19	5.12± 2.02	19	5.26± 1.54	-0.23/0.817	1.72/0.260	0.17
V-R	0.56	24	5.14± 1.92	28	5.71± 1.37	-1.22/0.231	1.98/0.090	0.27
V-I	1.10	23	5.04± 1.89	23	5.63± 1.35	-1.22/0.228	1.94/0.127	0.20
V-J	1.57	6	3.37± 1.59	7	4.66± 1.85	-1.36/0.202	1.35/0.757	0.29
R-I	0.54	22	5.22± 1.88	21	5.69± 1.37	-0.95/0.349	1.88/0.164	0.18
I-J	0.69	2	3.93± 0.58	2	3.99± 0.73	—/—	—/—	—
J-H	0.38	15	4.39± 1.95	12	6.18± 1.22	-2.91 /**0.008**	2.55/0.126	0.31
H-K	0.03	5	2.85± 1.70	4	3.48± 0.27	—/—	—/—	—
M11	5.93	28	4.14± 1.26	29	6.95± 0.71	-10.29 /**0.000**	3.16 /**0.003**	**1.00**
Grt	18.45	24	4.97± 1.88	27	5.88± 1.35	-1.97/0.055	1.93/0.108	0.29
Hma	4.42	12	3.08± 1.00	12	5.81± 0.93	-6.93 /**0.000**	1.17/0.799	**0.99**
dia	416.00	11	5.82± 1.12	13	3.29± 1.10	5.57 /**0.000**	1.04/0.931	**-0.86**
pV	0.10	11	5.28± 1.27	13	3.75± 1.71	2.51/0.020	1.83/0.347	-0.50
Resonant (3:2 and others, 3 and P) population only								
B-V	0.91	27	6.92± 1.62	30	5.49± 1.29	3.65 /**0.001**	1.56/0.243	-0.28
B-R	1.42	28	7.00± 1.62	30	5.58± 1.29	3.68 /**0.001**	1.57/0.234	-0.26
B-I	1.95	22	6.89± 1.66	24	5.58± 1.23	3.02 /**0.004**	1.81/0.167	-0.29
V-R	0.56	33	6.69± 1.58	34	5.91± 1.49	2.09/0.041	1.13/0.725	-0.07
V-I	1.10	31	6.75± 1.57	29	6.05± 1.52	1.75/0.085	1.07/0.862	-0.10
V-J	1.97	9	4.55± 1.47	10	5.85± 1.23	-2.06/0.056	1.43/0.607	0.54
R-I	0.53	28	6.82± 1.65	30	6.06± 1.40	1.89/0.065	1.39/0.383	-0.12
I-J	0.73	7	4.12± 1.36	7	5.31± 1.17	-1.75/0.105	1.35/0.726	0.53
J-H	0.39	15	4.92± 1.39	16	6.21± 1.48	-2.51/0.018	1.14/0.816	0.44
H-K	0.03	9	4.80± 1.65	9	5.13± 1.16	-0.49/0.629	2.01/0.342	0.08
M11	6.75	33	4.97± 1.14	35	7.60± 0.50	-12.24 /**0.000**	5.10 /**0.000**	**1.00**
Grt	18.07	33	6.71± 1.58	34	5.89± 1.48	2.20/0.031	1.14/0.715	-0.10
Hma	5.41	11	3.92± 0.82	11	5.83± 0.91	-5.16 /**0.000**	1.21/0.766	**0.99**
dia	393.10	11	5.77± 0.98	11	3.98± 0.89	4.49 /**0.000**	1.23/0.749	**-0.92**
pV	0.12	13	5.11± 1.06	9	4.54± 1.58	0.94/0.366	2.24/0.202	-0.32
Centaurs, and Scattered and Detached Disk population only								
B-V	0.82	58	8.57± 2.09	55	8.05± 2.95	1.08/0.281	2.00/0.011	-0.06
B-R	1.32	58	8.53± 1.94	58	8.14± 2.94	0.84/0.405	2.30 /**0.002**	-0.07
B-I	1.82	37	8.76± 2.63	43	7.21± 2.28	2.80 /**0.007**	1.34/0.365	-0.11
V-R	0.51	59	8.55± 2.09	58	8.05± 2.98	1.04/0.299	2.02 /**0.009**	-0.01
V-I	0.99	43	8.67± 2.51	46	7.48± 2.59	2.19/0.031	1.07/0.830	-0.12
V-J	1.65	11	7.14± 2.04	11	6.89± 2.29	0.26/0.794	1.26/0.719	-0.10
R-I	0.49	38	8.59± 2.58	47	7.71± 2.63	1.55/0.126	1.04/0.912	-0.18
I-J	0.84	12	7.92± 1.31	13	7.26± 2.55	0.83/0.416	3.76/0.036	-0.19
J-H	0.40	21	7.26± 2.56	19	7.88± 2.13	-0.83/0.409	1.45/0.433	0.22
H-K	0.05	15	7.75± 2.90	16	8.04± 2.13	-0.32/0.750	1.85/0.248	-0.09
M11	8.14	60	6.28± 1.44	61	10.19± 1.48	-14.68 /**0.000**	1.05/0.840	**1.00**
Grt	13.24	58	8.75± 2.28	60	7.87± 2.76	1.89/0.061	1.47/0.148	-0.05
Hma	9.13	29	6.60± 2.17	18	10.14± 0.92	-7.76 /**0.000**	5.56 /**0.001**	**0.97**
dia	68.00	18	10.22± 1.04	29	6.55± 2.05	8.13 /**0.000**	3.88 /**0.005**	**-0.90**
pV	0.06	22	8.65± 1.55	24	7.42± 3.04	1.75/0.088	3.81 /**0.003**	-0.49

Table 6. *t*-test, comparing the mean of the distributions of pairs of classes

Colour	Res. 3:2 Res.others	Res. 3:2 Classic Cd	Res. 3:2 Classic Ht	Res. 3:2 Scattered	Res. 3:2 Detached	Res. 3:2 J.Trojans	Res. 3:2 Centaurs	Res. 3:2 SP Comets	Res. 3:2 LP Comets
B-V	44 20	44 40	44 48	44 41	44 24	44 83	44 72	44 20	44 33
	-1.7 0.087	**-3.6 0.000**	**0.2 0.855**	**1.2 0.253**	**0.0 0.963**	**3.7 0.000**	**0.5 0.623**	**0.3 0.760**	**3.5 0.001**
B-R	39 22	39 40	39 47	39 43	39 25	39 83	39 74	39 20	39 32
	-1.2 0.242	**-3.5 0.001**	**0.6 0.561**	**1.5 0.145**	**0.6 0.541**	**4.8 0.000**	**0.5 0.643**	**1.0 0.317**	**4.1 0.000**
B-I	32 17	32 26	32 40	32 32	32 21	32 76	32 42	32 13	32 11
	-1.2 0.235	**-2.9 0.006**	**0.7 0.466**	**0.8 0.437**	**0.2 0.808**	**4.0 0.000**	**0.6 0.558**	**2.0 0.052**	**3.9 0.000**
B-J	4 3	4 1	4 1	4 4	4 2	4 5	4 9	4 1	4 0
	-1.2 0.275	— —	— —	-1.1 0.306	-0.7 0.568	0.7 0.550	-0.3 0.806	— —	— —
B-H	4 3	4 1	4 1	4 4	4 2	4 5	4 9	4 1	4 0
	-1.3 0.261	— —	— —	-1.1 0.328	-0.6 0.572	0.7 0.554	-0.4 0.716	— —	— —
B-K	3 2	3 1	3 1	3 2	3 1	3 5	3 9	3 1	3 0
	-0.5 0.658	— —	— —	-1.0 0.424	— —	0.6 0.634	-0.1 0.914	— —	— —
V-R	45 25	45 48	45 55	45 41	45 26	45 89	45 74	45 46	45 36
	-1.5 0.150	**-3.8 0.000**	**0.5 0.614**	**1.6 0.117**	**0.5 0.611**	**5.9 0.000**	**-0.0 0.976**	**2.3 0.021**	**4.6 0.000**
V-I	41 26	41 73	41 60	41 34	41 26	41 82	41 47	41 23	41 15
	-1.4 0.159	**-3.7 0.000**	**0.8 0.454**	**1.5 0.128**	**0.9 0.382**	**6.2 0.000**	**1.0 0.313**	**3.4 0.001**	**3.7 0.001**
V-J	15 5	15 4	15 13	15 9	15 4	15 12	15 11	15 1	15 0
	-1.3 0.211	-0.2 0.835	**1.8 0.092**	**0.6 0.528**	0.8 0.452	**2.6 0.019**	**0.7 0.507**	— —	— —
V-H	9 4	9 1	9 6	9 7	9 4	9 12	9 11	9 1	9 0
	-1.2 0.285	— —	**0.5 0.631**	**-0.3 0.745**	0.5 0.647	**0.6 0.555**	**-0.5 0.653**	— —	— —
V-K	7 3	7 1	7 6	7 5	7 3	7 12	7 11	7 1	7 0
	-0.7 0.531	— —	**0.3 0.770**	-0.5 0.632	0.5 0.656	**-0.0 0.967**	**-0.8 0.443**	— —	— —
R-I	39 22	39 37	39 44	39 30	39 23	39 82	39 47	39 24	39 15
	-0.4 0.667	**-2.2 0.030**	**0.0 0.978**	**0.6 0.549**	**0.6 0.557**	**4.9 0.000**	**1.1 0.275**	**2.9 0.005**	**3.1 0.004**
R-J	4 3	4 0	4 3	4 5	4 2	4 5	4 9	4 1	4 0
	-0.4 0.682	— —	0.4 0.731	-0.1 0.939	-0.3 0.764	1.6 0.195	0.6 0.565	— —	— —
R-H	4 3	4 0	4 3	4 5	4 2	4 5	4 9	4 1	4 0
	-0.6 0.570	— —	1.0 0.370	0.3 0.788	0.2 0.851	2.6 0.059	1.1 0.324	— —	— —
R-K	2 2	2 0	2 1	2 3	2 1	2 5	2 9	2 1	2 0
	0.2 0.883	— —	— —	1.3 0.301	— —	4.9 0.006	2.8 0.022	— —	— —
I-J	8 6	8 2	8 4	8 9	8 1	8 5	8 16	8 1	8 0
	-1.2 0.270	-1.8 0.271	0.6 0.566	**-1.0 0.319**	— —	0.7 0.473	**-0.7 0.487**	— —	— —
I-H	3 4	3 1	3 2	3 4	3 1	3 5	3 9	3 1	3 0
	-0.9 0.452	— —	-0.6 0.595	-0.4 0.683	— —	-0.1 0.908	-0.3 0.771	— —	— —
I-K	3 4	3 1	3 2	3 3	3 1	3 5	3 9	3 1	3 0
	-0.7 0.519	— —	-0.4 0.720	-0.8 0.481	— —	-0.4 0.701	-0.4 0.711	— —	— —
J-H	23 13	23 29	23 35	23 12	23 11	23 12	23 22	23 1	23 0
	-1.4 0.176	**-0.7 0.489**	**0.6 0.543**	**-0.5 0.601**	**-0.3 0.744**	**-1.3 0.194**	**-0.4 0.683**	— —	— —
J-K	15 5	15 4	15 10	15 10	15 4	15 12	15 22	15 1	15 0
	-2.2 0.060	-2.1 0.077	**0.3 0.787**	**-1.7 0.105**	0.3 0.787	**-4.8 0.000**	**-1.9 0.060**	— —	— —
H-K	14 4	14 4	14 10	14 8	14 4	14 12	14 21	14 1	14 0
	-0.4 0.678	-1.6 0.143	**-0.1 0.955**	**0.0 0.986**	0.1 0.932	**-4.7 0.000**	**-0.5 0.605**	— —	— —
M11	44 25	44 49	44 58	44 35	44 26	44 69	44 62	44 134	44 13
	0.3 0.792	**-0.9 0.384**	**2.0 0.047**	**-2.6 0.012**	**1.7 0.095**	**-13.9 0.000**	**-9.3 0.000**	**-29.7 0.000**	**-7.0 0.000**
Grt	51 28	51 80	51 67	51 43	51 29	51 89	51 74	51 46	51 37
	-1.9 0.062	**-4.6 0.000**	**0.1 0.937**	**1.6 0.124**	**0.4 0.699**	**6.1 0.000**	**0.1 0.897**	**2.8 0.006**	**4.3 0.000**
Hma	22 4	22 16	22 29	22 19	22 7	22 3	22 44	22 0	22 1
	0.8 0.447	**-2.2 0.036**	**1.5 0.149**	**-3.9 0.001**	**2.6 0.034**	-4.5 0.035	**-10.7 0.000**	— —	— —
dia	24 4	24 16	24 29	24 19	24 7	24 3	24 44	24 0	24 1
	1.0 0.329	**2.8 0.010**	**-0.4 0.697**	**3.4 0.002**	**-1.5 0.181**	4.8 0.000	**4.5 0.000**	— —	— —
pV	24 4	24 16	24 29	24 17	24 6	24 3	24 44	24 0	24 1
	0.5 0.608	**0.3 0.748**	**-0.6 0.583**	**2.0 0.056**	**-1.1 0.311**	3.6 0.002	**2.9 0.007**	— —	— —

Table 6. (cont'd) *t*-test

Colour	Res.others Classic Cd	Res.others Classic Ht	Res.others Scattered	Res.others Detached	Res.others J.Trojans	Res.others Centaurs	Res.others SP Comets	Res.others LP Comets
U-B	2 3	2 10	2 7	2 2	2 1	2 0	2 0	2 0
	-3.4 0.047	-0.0 0.998	-0.7 0.523	0.7 0.555	— —	— —	— —	— —
U-V	2 3	2 10	2 7	2 2	2 1	2 0	2 0	2 0
	-6.1 0.016	3.3 0.008	0.4 0.732	13.5 0.018	— —	— —	— —	— —
U-R	2 3	2 10	2 7	2 2	2 1	2 0	2 0	2 0
	-4.5 0.026	3.3 0.016	0.6 0.541	4.4 0.050	— —	— —	— —	— —
B-V	20 40	20 48	20 41	20 24	20 83	20 72	20 20	20 33
	-1.5 0.131	**1.9 0.061**	**3.0 0.005**	**1.8 0.075**	**5.6 0.000**	**2.4 0.022**	**1.6 0.125**	**5.3 0.000**
B-R	22 40	22 47	22 43	22 25	22 83	22 74	22 20	22 32
	-1.9 0.063	**1.8 0.083**	**2.7 0.010**	**1.8 0.076**	**5.9 0.000**	**1.8 0.085**	**1.9 0.065**	**5.3 0.000**
B-I	17 26	17 40	17 32	17 21	17 76	17 42	17 13	17 11
	-1.4 0.167	**2.0 0.049**	**2.1 0.041**	**1.6 0.115**	**5.5 0.000**	**1.9 0.063**	**3.5 0.002**	**5.3 0.000**
B-J	3 1	3 1	3 4	3 2	3 5	3 9	3 1	3 0
	— —	— —	0.0 0.971	0.3 0.825	3.9 0.052	1.4 0.197	— —	— —
B-H	3 1	3 1	3 4	3 2	3 5	3 9	3 1	3 0
	— —	— —	0.3 0.768	0.5 0.665	3.9 0.047	1.4 0.214	— —	— —
B-K	2 1	2 1	2 2	2 1	2 5	2 9	2 1	2 0
	— —	— —	-0.7 0.596	— —	1.9 0.290	0.7 0.588	— —	— —
V-R	25 48	25 55	25 41	25 26	25 89	25 74	25 46	25 36
	-1.7 0.100	**2.0 0.055**	**2.9 0.006**	**1.9 0.069**	**6.5 0.000**	**1.6 0.125**	**3.5 0.001**	**5.5 0.000**
V-I	26 73	26 60	26 34	26 26	26 82	26 47	26 23	26 15
	-2.0 0.056	**2.3 0.025**	**3.1 0.003**	**2.4 0.023**	**8.3 0.000**	**2.5 0.014**	**5.2 0.000**	**5.2 0.000**
V-J	5 4	5 13	5 9	5 4	5 12	5 11	5 1	5 0
	0.7 0.521	2.9 0.015	1.8 0.103	1.6 0.185	3.9 0.014	1.9 0.089	— —	— —
V-H	4 1	4 6	4 7	4 4	4 12	4 11	4 1	4 0
	— —	1.5 0.177	0.8 0.449	1.3 0.263	1.9 0.152	0.9 0.413	— —	— —
V-K	3 1	3 6	3 5	3 3	3 12	3 11	3 1	3 0
	— —	0.9 0.409	0.2 0.817	0.9 0.458	0.8 0.508	0.2 0.868	— —	— —
R-I	22 37	22 44	22 30	22 23	22 82	22 47	22 24	22 15
	-1.9 0.070	**0.5 0.653**	**1.1 0.275**	**1.1 0.292**	**6.0 0.000**	**1.6 0.110**	**3.5 0.001**	**3.7 0.001**
R-J	3 0	3 3	3 5	3 2	3 5	3 9	3 1	3 0
	— —	1.9 0.140	0.6 0.593	0.3 0.796	5.3 0.019	1.7 0.118	— —	— —
R-H	3 0	3 3	3 5	3 2	3 5	3 9	3 1	3 0
	— —	2.4 0.128	1.0 0.340	1.2 0.324	4.3 0.022	1.9 0.094	— —	— —
R-K	2 0	2 1	2 3	2 1	2 5	2 9	2 1	2 0
	— —	— —	0.2 0.886	— —	1.6 0.333	1.0 0.448	— —	— —
I-J	6 2	6 4	6 9	6 1	6 5	6 16	6 1	6 0
	-1.1 0.426	1.7 0.132	**0.0 0.965**	— —	2.0 0.092	**0.7 0.499**	— —	— —
I-H	4 1	4 2	4 4	4 1	4 5	4 9	4 1	4 0
	— —	0.6 0.599	0.4 0.677	— —	1.7 0.170	1.2 0.291	— —	— —
I-K	4 1	4 2	4 3	4 1	4 5	4 9	4 1	4 0
	— —	0.8 0.480	-0.1 0.923	— —	0.7 0.529	0.7 0.516	— —	— —
J-H	13 29	13 35	13 12	13 11	13 12	13 22	13 1	13 0
	1.5 0.152	**2.4 0.022**	**0.9 0.386**	**1.2 0.236**	**0.1 0.921**	**1.9 0.074**	— —	— —
J-K	5 4	5 10	5 10	5 4	5 12	5 22	5 1	5 0
	0.4 0.667	1.4 0.174	0.8 0.445	1.0 0.379	-1.0 0.369	0.8 0.450	— —	— —
H-K	4 4	4 10	4 8	4 4	4 12	4 21	4 1	4 0
	-1.4 0.209	0.1 0.896	0.2 0.837	0.2 0.878	-5.3 0.000	-0.3 0.738	— —	— —
M11	25 49	25 58	25 35	25 26	25 69	25 62	25 134	25 13
	-1.3 0.195	**1.8 0.071**	**-2.9 0.005**	**1.5 0.132**	**-15.1 0.000**	**-10.2 0.000**	**-32.5 0.000**	**-7.1 0.000**
Grt	28 80	28 67	28 43	28 29	28 89	28 74	28 46	28 37
	-2.0 0.053	**2.1 0.043**	**3.5 0.001**	**2.2 0.032**	**7.9 0.000**	**2.2 0.035**	**4.7 0.000**	**6.2 0.000**
Hma	4 16	4 29	4 19	4 7	4 3	4 44	4 0	4 1
	-2.6 0.060	0.5 0.622	-4.1 0.001	2.1 0.068	-4.7 0.025	-10.0 0.000	— —	— —
dia	4 16	4 29	4 19	4 7	4 3	4 44	4 0	4 1
	2.1 0.105	-1.7 0.113	2.9 0.040	-1.9 0.096	4.9 0.014	4.6 0.018	— —	— —
pV	4 16	4 29	4 17	4 6	4 3	4 44	4 0	4 1
	-0.3 0.752	-0.9 0.371	1.5 0.156	-1.2 0.268	3.3 0.022	2.6 0.067	— —	— —

Table 6. (cont'd) *t*-test

Colour	Classic Cd Classic Ht	Classic Cd Scattered	Classic Cd Detached	Classic Cd J.Trojans	Classic Cd Centaurs	Classic Cd SP Comets	Classic Cd LP Comets
U-B	3 10	3 7	3 2	3 1	3 0	3 0	3 0
	3.6 0.018	2.9 0.039	3.2 0.096	— —	— —	— —	— —
U-V	3 10	3 7	3 2	3 1	3 0	3 0	3 0
	6.8 0.000	4.0 0.004	11.3 0.006	— —	— —	— —	— —
U-R	3 10	3 7	3 2	3 1	3 0	3 0	3 0
	7.0 0.000	4.1 0.003	9.0 0.003	— —	— —	— —	— —
U-I	2 7	2 4	2 0	2 0	2 0	2 0	2 0
	5.8 0.001	2.7 0.057	— —	— —	— —	— —	— —
B-V	40 48	40 41	40 24	40 83	40 72	40 20	40 33
	3.9 0.000	**5.3 0.000**	**3.8 0.000**	**9.3 0.000**	**4.7 0.000**	**2.8 0.009**	**8.9 0.000**
B-R	40 47	40 43	40 25	40 83	40 74	40 20	40 32
	4.4 0.000	**6.0 0.000**	**4.5 0.000**	**12.0 0.000**	**4.8 0.000**	**3.6 0.001**	**10.9 0.000**
B-I	26 40	26 32	26 21	26 76	26 42	26 13	26 11
	4.2 0.000	**4.5 0.000**	**3.9 0.000**	**10.6 0.000**	**4.1 0.000**	**6.9 0.000**	**9.6 0.000**
B-J	1 1	1 4	1 2	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —	— —
B-H	1 1	1 4	1 2	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —	— —
B-K	1 1	1 2	1 1	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —	— —
V-R	48 55	48 41	48 26	48 89	48 74	48 46	48 36
	4.7 0.000	**6.0 0.000**	**4.2 0.000**	**13.1 0.000**	**4.4 0.000**	**6.7 0.000**	**10.5 0.000**
V-I	73 60	73 34	73 26	73 82	73 47	73 23	73 15
	5.1 0.000	**6.3 0.000**	**4.9 0.000**	**17.3 0.000**	**5.2 0.000**	**9.5 0.000**	**8.5 0.000**
V-J	4 13	4 9	4 4	4 12	4 11	4 1	4 0
	1.3 0.246	0.7 0.538	0.9 0.427	1.6 0.203	0.7 0.533	— —	— —
V-H	1 6	1 7	1 4	1 12	1 11	1 1	1 0
	— —	— —	— —	— —	— —	— —	— —
V-K	1 6	1 5	1 3	1 12	1 11	1 1	1 0
	— —	— —	— —	— —	— —	— —	— —
R-I	37 44	37 30	37 23	37 82	37 47	37 24	37 15
	2.2 0.032	**3.1 0.003**	**3.0 0.005**	**9.4 0.000**	**3.7 0.000**	**5.6 0.000**	**5.9 0.000**
R-J	0 3	0 5	0 2	0 5	0 9	0 1	0 0
	— —	— —	— —	— —	— —	— —	— —
R-H	0 3	0 5	0 2	0 5	0 9	0 1	0 0
	— —	— —	— —	— —	— —	— —	— —
R-K	0 1	0 3	0 1	0 5	0 9	0 1	0 0
	— —	— —	— —	— —	— —	— —	— —
I-J	2 4	2 9	2 1	2 5	2 16	2 1	2 0
	2.1 0.227	1.1 0.414	— —	2.2 0.257	1.5 0.341	— —	— —
I-H	1 2	1 4	1 1	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —	— —
I-K	1 2	1 3	1 1	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —	— —
J-H	29 35	29 12	29 11	29 12	29 22	29 1	29 0
	1.6 0.108	**0.1 0.950**	**0.4 0.708**	**-1.3 0.194**	**0.6 0.580**	— —	— —
J-K	4 10	4 10	4 4	4 12	4 22	4 1	4 0
	1.2 0.242	0.4 0.701	0.9 0.447	-1.8 0.126	0.4 0.722	— —	— —
H-K	4 10	4 8	4 4	4 12	4 21	4 1	4 0
	0.7 0.486	0.8 0.446	0.4 0.720	-3.2 0.015	0.3 0.774	— —	— —
M11	49 58	49 35	49 26	49 69	49 62	49 134	49 13
	4.0 0.000	**-2.5 0.015**	**2.7 0.012**	**-21.0 0.000**	**-12.5 0.000**	**-55.8 0.000**	**-7.0 0.000**
Grt	80 67	80 43	80 29	80 89	80 74	80 46	80 37
	5.1 0.000	**7.1 0.000**	**4.8 0.000**	**16.5 0.000**	**5.3 0.000**	**9.0 0.000**	**11.8 0.000**
Hma	16 29	16 19	16 7	16 3	16 44	16 0	16 1
	3.7 0.001	**-3.1 0.005**	**3.5 0.012**	-3.9 0.056	**-10.9 0.000**	— —	— —
dia	16 29	16 19	16 7	16 3	16 44	16 0	16 1
	-4.7 0.000	**1.8 0.089**	**-2.6 0.042**	7.0 0.000	**6.6 0.000**	— —	— —
pV	16 29	16 17	16 6	16 3	16 44	16 0	16 1
	-0.8 0.433	**2.3 0.031**	**-1.2 0.286**	5.0 0.003	**4.7 0.000**	— —	— —

Table 6. (cont'd) *t*-test

Colour	Classic Ht Scattered	Classic Ht Detached	Classic Ht J.Trojans	Classic Ht Centaurs	Classic Ht SP Comets	Classic Ht LP Comets
U-B	10 7	10 2	10 1	10 0	10 0	10 0
	-0.8 0.439	0.8 0.545	— —	— —	— —	— —
U-V	10 7	10 2	10 1	10 0	10 0	10 0
	-1.9 0.080	0.9 0.404	— —	— —	— —	— —
U-R	10 7	10 2	10 1	10 0	10 0	10 0
	-2.2 0.046	0.1 0.916	— —	— —	— —	— —
U-I	7 4	7 0	7 0	7 0	7 0	7 0
	-1.6 0.162	— —	— —	— —	— —	— —
B-V	48 41	48 24	48 83	48 72	48 20	48 33
	1.0 0.343	**-0.1 0.889**	**3.5 0.001**	**0.3 0.772**	**0.2 0.859**	**3.3 0.002**
B-R	47 43	47 25	47 83	47 74	47 20	47 32
	0.9 0.387	**0.0 0.983**	**4.3 0.000**	**-0.2 0.852**	**0.6 0.553**	**3.6 0.001**
B-I	40 32	40 21	40 76	40 42	40 13	40 11
	0.0 0.978	**-0.6 0.549**	**3.8 0.000**	**-0.2 0.858**	**1.4 0.180**	**3.6 0.001**
B-J	1 4	1 2	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —
B-H	1 4	1 2	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —
B-K	1 2	1 1	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —
V-R	55 41	55 26	55 89	55 74	55 46	55 36
	1.2 0.253	**0.1 0.954**	**5.9 0.000**	**-0.6 0.542**	**2.0 0.050**	**4.4 0.000**
V-I	60 34	60 26	60 82	60 47	60 23	60 15
	0.8 0.405	**0.2 0.864**	**5.9 0.000**	**0.3 0.764**	**2.8 0.006**	**3.2 0.003**
V-J	13 9	13 4	13 12	13 11	13 1	13 0
	-0.8 0.410	-0.1 0.933	**0.3 0.788**	**-0.9 0.372**	— —	— —
V-H	6 7	6 4	6 12	6 11	6 1	6 0
	-0.8 0.465	0.1 0.891	**-0.1 0.912**	**-0.9 0.371**	— —	— —
V-K	6 5	6 3	6 12	6 11	6 1	6 0
	-0.8 0.466	0.4 0.752	**-0.4 0.678**	**-1.1 0.298**	— —	— —
R-I	44 30	44 23	44 82	44 47	44 24	44 15
	0.6 0.577	**0.5 0.585**	**4.7 0.000**	**1.0 0.299**	**2.8 0.007**	**3.0 0.005**
R-J	3 5	3 2	3 5	3 9	3 1	3 0
	-0.8 0.467	-1.9 0.182	4.6 0.014	0.5 0.613	— —	— —
R-H	3 5	3 2	3 5	3 9	3 1	3 0
	-0.9 0.410	-2.9 0.088	4.2 0.007	0.4 0.721	— —	— —
R-K	1 3	1 1	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —
I-J	4 9	4 1	4 5	4 16	4 1	4 0
	-1.5 0.160	— —	-0.0 0.970	-1.4 0.211	— —	— —
I-H	2 4	2 1	2 5	2 9	2 1	2 0
	0.1 0.925	— —	1.4 0.307	0.8 0.512	— —	— —
I-K	2 3	2 1	2 5	2 9	2 1	2 0
	-1.4 0.248	— —	-0.1 0.912	-0.1 0.954	— —	— —
J-H	35 12	35 11	35 12	35 22	35 1	35 0
	-1.2 0.222	**-1.0 0.302**	**-2.3 0.026**	**-1.3 0.203**	— —	— —
J-K	10 10	10 4	10 12	10 22	10 1	10 0
	-1.0 0.320	0.1 0.911	**-2.1 0.061**	**-1.1 0.300**	— —	— —
H-K	10 8	10 4	10 12	10 21	10 1	10 0
	0.1 0.955	0.1 0.919	**-2.1 0.060**	**-0.3 0.735**	— —	— —
M11	58 35	58 26	58 69	58 62	58 134	58 13
	-4.8 0.000	**0.2 0.866**	**-18.3 0.000**	**-12.7 0.000**	**-37.6 0.000**	**-7.9 0.000**
Grt	67 43	67 29	67 89	67 74	67 46	67 37
	1.6 0.120	**0.3 0.740**	**6.6 0.000**	**0.1 0.959**	**2.9 0.004**	**4.6 0.000**
Hma	29 19	29 7	29 3	29 44	29 0	29 1
	-4.6 0.000	**1.9 0.098**	-5.0 0.024	**-11.2 0.000**	— —	— —
dia	29 19	29 7	29 3	29 44	29 0	29 1
	5.5 0.000	**-1.4 0.218**	7.8 0.000	**7.6 0.000**	— —	— —
pV	29 17	29 6	29 3	29 44	29 0	29 1
	1.8 0.076	**-0.9 0.406**	2.7 0.010	**2.2 0.033**	— —	— —

Table 6. (cont'd) *t*-test

Colour	Scattered Detached	Scattered J.Trojans	Scattered Centaurs	Scattered SP Comets	Scattered LP Comets
U-B	7 2	7 1	7 0	7 0	7 0
	1.3 0.367	— —	— —	— —	— —
U-V	7 2	7 1	7 0	7 0	7 0
	3.1 0.019	— —	— —	— —	— —
U-R	7 2	7 1	7 0	7 0	7 0
	2.7 0.036	— —	— —	— —	— —
U-I	4 0	4 0	4 0	4 0	4 0
	— —	— —	— —	— —	— —
B-V	41 24	41 83	41 72	41 20	41 33
	-1.1 0.263	**2.7 0.008**	**-0.8 0.447**	**-0.5 0.650**	**2.5 0.015**
B-R	43 25	43 83	43 74	43 20	43 32
	-0.9 0.389	**4.0 0.000**	**-1.2 0.230**	**0.0 0.969**	**3.2 0.002**
B-I	32 21	32 76	32 42	32 13	32 11
	-0.7 0.510	**4.0 0.000**	**-0.2 0.829**	**1.4 0.164**	**3.8 0.001**
B-J	4 2	4 5	4 9	4 1	4 0
	0.2 0.844	2.9 0.057	1.2 0.269	— —	— —
B-H	4 2	4 5	4 9	4 1	4 0
	0.3 0.788	3.6 0.028	1.1 0.300	— —	— —
B-K	2 1	2 5	2 9	2 1	2 0
	— —	9.4 0.000	2.4 0.038	— —	— —
V-R	41 26	41 89	41 74	41 46	41 36
	-1.0 0.342	**4.6 0.000**	**-1.9 0.067**	**0.9 0.373**	**3.2 0.002**
V-I	34 26	34 82	34 47	34 23	34 15
	-0.6 0.539	**5.0 0.000**	**-0.5 0.615**	**2.0 0.050**	**2.5 0.019**
V-J	9 4	9 12	9 11	9 1	9 0
	0.4 0.699	**1.2 0.249**	**-0.0 0.993**	— —	— —
V-H	7 4	7 12	7 11	7 1	7 0
	0.7 0.521	**0.9 0.384**	**-0.0 0.970**	— —	— —
V-K	5 3	5 12	5 11	5 1	5 0
	0.7 0.519	0.6 0.573	-0.1 0.898	— —	— —
R-I	30 23	30 82	30 47	30 24	30 15
	0.0 0.991	**4.8 0.000**	**0.5 0.589**	**2.5 0.016**	**2.7 0.011**
R-J	5 2	5 5	5 9	5 1	5 0
	-0.4 0.714	3.0 0.033	1.0 0.340	— —	— —
R-H	5 2	5 5	5 9	5 1	5 0
	-0.2 0.863	2.9 0.027	0.9 0.380	— —	— —
R-K	3 1	3 5	3 9	3 1	3 0
	— —	4.2 0.006	2.1 0.061	— —	— —
I-J	9 1	9 5	9 16	9 1	9 0
	— —	1.7 0.113	**0.6 0.564**	— —	— —
I-H	4 1	4 5	4 9	4 1	4 0
	— —	0.5 0.629	0.3 0.804	— —	— —
I-K	3 1	3 5	3 9	3 1	3 0
	— —	1.2 0.296	1.2 0.284	— —	— —
J-H	12 11	12 12	12 22	12 1	12 0
	0.2 0.816	**-0.8 0.422**	**0.3 0.798**	— —	— —
J-K	10 4	10 12	10 22	10 1	10 0
	0.7 0.506	**-2.4 0.031**	**-0.1 0.952**	— —	— —
H-K	8 4	8 12	8 21	8 1	8 0
	0.1 0.939	**-2.2 0.059**	**-0.4 0.692**	— —	— —
M11	35 26	35 69	35 62	35 134	35 13
	3.8 0.000	**-10.7 0.000**	**-6.4 0.000**	**-25.8 0.000**	**-5.9 0.000**
Grt	43 29	43 89	43 74	43 46	43 37
	-1.1 0.292	**4.9 0.000**	**-1.6 0.119**	**1.4 0.173**	**3.0 0.004**
Hma	19 7	19 3	19 44	19 0	19 1
	4.8 0.000	-1.3 0.245	**-2.1 0.043**	— —	— —
dia	19 7	19 3	19 44	19 0	19 1
	-2.8 0.031	3.8 0.001	**3.2 0.004**	— —	— —
pV	17 6	17 3	17 44	17 0	17 1
	-1.6 0.179	1.6 0.130	**0.6 0.559**	— —	— —

Table 6. (cont'd) *t*-test

Colour	Detached J.Trojans	Detached Centaurs	Detached SP Comets	Detached LP Comets
U-B	2 1	2 0	2 0	2 0
	— —	— —	— —	— —
U-V	2 1	2 0	2 0	2 0
	— —	— —	— —	— —
U-R	2 1	2 0	2 0	2 0
	— —	— —	— —	— —
U-I	0 0	0 0	0 0	0 0
	— —	— —	— —	— —
B-V	24 83	24 72	24 20	24 33
	3.8 0.001	**0.5 0.650**	**0.3 0.782**	**3.6 0.001**
B-R	25 83	25 74	25 20	25 32
	4.5 0.000	**-0.2 0.831**	**0.6 0.559**	**3.7 0.001**
B-I	21 76	21 42	21 13	21 11
	5.1 0.000	**0.4 0.671**	**2.3 0.031**	**4.7 0.000**
B-J	2 5	2 9	2 1	2 0
	1.4 0.395	0.5 0.655	— —	— —
B-H	2 5	2 9	2 1	2 0
	1.6 0.353	0.4 0.734	— —	— —
B-K	1 5	1 9	1 1	1 0
	— —	— —	— —	— —
V-R	26 89	26 74	26 46	26 36
	4.8 0.000	**-0.6 0.553**	**1.7 0.092**	**3.7 0.001**
V-I	26 82	26 47	26 23	26 15
	5.2 0.000	**0.1 0.905**	**2.5 0.016**	**2.9 0.007**
V-J	4 12	4 11	4 1	4 0
	0.2 0.849	-0.4 0.690	— —	— —
V-H	4 12	4 11	4 1	4 0
	-0.2 0.829	-0.8 0.484	— —	— —
V-K	3 12	3 11	3 1	3 0
	-0.5 0.639	-0.8 0.484	— —	— —
R-I	23 82	23 47	23 24	23 15
	4.4 0.000	**0.5 0.614**	**2.4 0.022**	**2.5 0.016**
R-J	2 5	2 9	2 1	2 0
	6.1 0.049	1.6 0.143	— —	— —
R-H	2 5	2 9	2 1	2 0
	5.9 0.002	1.4 0.203	— —	— —
R-K	1 5	1 9	1 1	1 0
	— —	— —	— —	— —
I-J	1 5	1 16	1 1	1 0
	— —	— —	— —	— —
I-H	1 5	1 9	1 1	1 0
	— —	— —	— —	— —
I-K	1 5	1 9	1 1	1 0
	— —	— —	— —	— —
J-H	11 12	11 22	11 1	11 0
	-1.2 0.263	**-0.0 0.975**	— —	— —
J-K	4 12	4 22	4 1	4 0
	-1.3 0.269	-0.8 0.496	— —	— —
H-K	4 12	4 21	4 1	4 0
	-0.9 0.426	-0.3 0.799	— —	— —
M11	26 69	26 62	26 134	26 13
	-12.9 0.000	**-9.4 0.000**	**-24.7 0.000**	**-7.6 0.000**
Grt	29 89	29 74	29 46	29 37
	5.2 0.000	**-0.3 0.769**	**2.3 0.027**	**3.6 0.001**
Hma	7 3	7 44	7 0	7 1
	-5.3 0.003	**-7.6 0.000**	— —	— —
dia	7 3	7 44	7 0	7 1
	3.3 0.017	**3.2 0.019**	— —	— —
pV	6 3	6 44	6 0	6 1
	1.8 0.125	**1.7 0.159**	— —	— —

Table 6. (cont'd) *t*-test

Colour	J.Trojans Centaurs	J.Trojans SP Comets	J.Trojans LP Comets
U-B	1 0	1 0	1 0
	— —	— —	— —
U-V	1 0	1 0	1 0
	— —	— —	— —
U-R	1 0	1 0	1 0
	— —	— —	— —
U-I	0 0	0 0	0 0
	— —	— —	— —
B-V	83 72	83 20	83 33
	-3.8 0.000	**-1.9 0.068**	**-0.2 0.805**
B-R	83 74	83 20	83 32
	-5.6 0.000	**-2.0 0.062**	**-1.2 0.226**
B-I	76 42	76 13	76 11
	-4.2 0.000	**-3.5 0.003**	**0.2 0.848**
B-J	5 9	5 1	5 0
	-1.6 0.136	— —	— —
B-H	5 9	5 1	5 0
	-2.0 0.070	— —	— —
B-K	5 9	5 1	5 0
	-1.8 0.099	— —	— —
V-R	89 74	89 46	89 36
	-7.4 0.000	**-3.1 0.003**	**-1.3 0.208**
V-I	82 47	82 23	82 15
	-5.2 0.000	**-3.0 0.006**	**-1.3 0.202**
V-J	12 11	12 1	12 0
	-1.4 0.196	— —	— —
V-H	12 11	12 1	12 0
	-1.5 0.164	— —	— —
V-K	12 11	12 1	12 0
	-1.5 0.168	— —	— —
R-I	82 47	82 24	82 15
	-4.0 0.000	**-1.2 0.229**	**-1.3 0.221**
R-J	5 9	5 1	5 0
	-1.6 0.141	— —	— —
R-H	5 9	5 1	5 0
	-1.6 0.130	— —	— —
R-K	5 9	5 1	5 0
	-1.0 0.340	— —	— —
I-J	5 16	5 1	5 0
	-2.1 0.051	— —	— —
I-H	5 9	5 1	5 0
	-0.7 0.528	— —	— —
I-K	5 9	5 1	5 0
	0.0 0.965	— —	— —
J-H	12 22	12 1	12 0
	1.7 0.095	— —	— —
J-K	12 22	12 1	12 0
	2.6 0.014	— —	— —
H-K	12 21	12 1	12 0
	1.8 0.093	— —	— —
M11	69 62	69 134	69 13
	4.4 0.000	**-19.6 0.000**	**-2.2 0.048**
Grt	89 74	89 46	89 37
	-7.0 0.000	**-3.4 0.001**	**-1.8 0.071**
Hma	3 44	3 0	3 1
	-0.0 0.968	— —	— —
dia	3 44	3 0	3 1
	-1.4 0.230	— —	— —
pV	3 44	3 0	3 1
	-1.7 0.183	— —	— —

Table 6. (cont'd) *t*-test

Colour	Centaurs SP Comets	Centaurs LP Comets
U-B	0 0 — —	0 0 — —
U-V	0 0 — —	0 0 — —
U-R	0 0 — —	0 0 — —
U-I	0 0 — —	0 0 — —
B-V	72 20 **-0.0 0.995**	72 33 **3.5 0.001**
B-R	74 20 **0.8 0.454**	74 32 **4.7 0.000**
B-I	42 13 **1.6 0.109**	42 11 **3.9 0.000**
B-J	9 1 — —	9 0 — —
B-H	9 1 — —	9 0 — —
B-K	9 1 — —	9 0 — —
V-R	74 46 **2.7 0.008**	74 36 **5.5 0.000**
V-I	47 23 **2.4 0.018**	47 15 **2.8 0.007**
V-J	11 1 — —	11 0 — —
V-H	11 1 — —	11 0 — —
V-K	11 1 — —	11 0 — —
R-I	47 24 **2.0 0.054**	47 15 **2.1 0.040**
R-J	9 1 — —	9 0 — —
R-H	9 1 — —	9 0 — —
R-K	9 1 — —	9 0 — —
I-J	16 1 — —	16 0 — —
I-H	9 1 — —	9 0 — —
I-K	9 1 — —	9 0 — —
J-H	22 1 — —	22 0 — —
J-K	22 1 — —	22 0 — —
H-K	21 1 — —	21 0 — —
M11	62 134 **-21.8 0.000**	62 13 **-3.5 0.004**
Grt	74 46 **3.0 0.003**	74 37 **4.7 0.000**
Hma	44 0 — —	44 1 — —
dia	44 0 — —	44 1 — —
pV	44 0 — —	44 1 — —

Table 6. f-test, comparing the variance of the distributions of pairs of classes

Colour	Res. 3:2 Res.others	Res. 3:2 Classic Cd	Res. 3:2 Classic Ht	Res. 3:2 Scattered	Res. 3:2 Detached	Res. 3:2 J.Trojans	Res. 3:2 Centaurs	Res. 3:2 SP Comets	Res. 3:2 LP Comets
B-V	44 20	44 40	44 48	44 41	44 24	44 83	44 72	44 20	44 33
	1.8 0.182	**1.5 0.171**	**1.1 0.797**	**1.6 0.141**	**2.0 0.073**	**3.0 0.000**	**1.0 0.949**	**1.3 0.410**	**5.7 0.000**
B-R	39 22	39 40	39 47	39 43	39 25	39 83	39 74	39 20	39 32
	1.4 0.378	**2.0 0.039**	**1.0 0.909**	**1.7 0.092**	**2.0 0.083**	**4.4 0.000**	**1.0 0.990**	**1.3 0.528**	**8.2 0.000**
B-I	32 17	32 26	32 40	32 32	32 21	32 76	32 42	32 13	32 11
	1.8 0.236	**2.7 0.013**	**1.2 0.535**	**1.8 0.092**	**3.1 0.010**	**7.3 0.000**	**1.3 0.438**	**10.5 0.000**	**15.2 0.000**
B-J	4 3	4 1	4 1	4 4	4 2	4 5	4 9	4 1	4 0
	5.0 0.345	——	——	2.1 0.553	1.3 0.892	70.9 0.001	1.3 0.671	——	——
B-H	4 3	4 1	4 1	4 4	4 2	4 5	4 9	4 1	4 0
	4.8 0.357	——	——	3.9 0.290	2.1 0.920	33.8 0.005	1.7 0.501	——	——
B-K	3 2	3 1	3 1	3 2	3 1	3 5	3 9	3 1	3 0
	4.4 0.639	——	——	266.9 0.086	——	27.7 0.009	2.8 0.246	——	——
V-R	45 25	45 48	45 55	45 41	45 26	45 89	45 74	45 46	45 36
	1.1 0.781	**1.6 0.129**	**1.1 0.824**	**1.5 0.172**	**1.5 0.309**	**4.0 0.000**	**1.0 0.889**	**1.2 0.641**	**3.5 0.000**
V-I	41 26	41 73	41 60	41 34	41 26	41 82	41 47	41 23	41 15
	1.7 0.174	**2.0 0.011**	**1.1 0.731**	**1.8 0.101**	**1.7 0.153**	**5.4 0.000**	**1.0 0.913**	**3.6 0.002**	**3.0 0.031**
V-J	15 5	15 4	15 13	15 9	15 4	15 12	15 11	15 1	15 0
	2.1 0.493	1.0 0.810	**1.2 0.729**	**1.0 0.919**	1.6 0.464	**15.6 0.000**	**1.0 0.946**	——	——
V-H	9 4	9 1	9 6	9 7	9 4	9 12	9 11	9 1	9 0
	1.2 0.991	——	**1.0 0.953**	**1.1 0.835**	1.9 0.415	**9.2 0.001**	**1.4 0.630**	——	——
V-K	7 3	7 1	7 6	7 5	7 3	7 12	7 11	7 1	7 0
	1.2 0.935	——	**1.0 0.976**	1.1 0.953	3.4 0.207	**8.1 0.003**	**2.3 0.242**	——	——
R-I	39 22	39 37	39 44	39 30	39 23	39 82	39 47	39 24	39 15
	2.1 0.066	**1.7 0.109**	**1.2 0.535**	**1.8 0.109**	**1.9 0.101**	**5.0 0.000**	**1.1 0.720**	**1.9 0.109**	**3.6 0.012**
R-J	4 3	4 0	4 3	4 5	4 2	4 5	4 9	4 1	4 0
	9.4 0.196	——	23.8 0.081	2.6 0.387	23.1 0.303	39.7 0.004	1.3 0.653	——	——
R-H	4 3	4 0	4 3	4 5	4 2	4 5	4 9	4 1	4 0
	2.4 0.615	——	41.8 0.047	1.4 0.730	38.7 0.235	5.5 0.133	1.5 0.822	——	——
R-K	2 2	2 0	2 1	2 3	2 1	2 5	2 9	2 1	2 0
	21.6 0.270	——	——	1.0 0.834	——	4.9 0.648	16.4 0.377	——	——
I-J	8 6	8 2	8 4	8 9	8 1	8 5	8 16	8 1	8 0
	1.2 0.760	1.6 0.498	1.9 0.638	**2.3 0.278**	——	9.4 0.047	**1.1 0.876**	——	——
I-H	3 4	3 1	3 2	3 4	3 1	3 5	3 9	3 1	3 0
	3.6 0.317	——	15.7 0.351	1.2 0.807	——	17.4 0.021	5.1 0.076	——	——
I-K	3 4	3 1	3 2	3 3	3 1	3 5	3 9	3 1	3 0
	3.3 0.348	——	56.3 0.188	13.9 0.134	——	10.9 0.048	5.3 0.069	——	——
J-H	23 13	23 29	23 35	23 12	23 11	23 12	23 22	23 1	23 0
	11.9 0.000	**7.2 0.000**	**1.2 0.654**	**2.9 0.073**	**3.5 0.046**	**12.0 0.000**	**6.2 0.000**	——	——
J-K	15 5	15 4	15 10	15 10	15 4	15 12	15 22	15 1	15 0
	1.1 0.934	2.2 0.568	**7.3 0.001**	**1.0 0.942**	9.1 0.003	**1.9 0.274**	**1.6 0.387**	——	——
H-K	14 4	14 4	14 10	14 8	14 4	14 12	14 21	14 1	14 0
	7.5 0.124	4.4 0.250	**4.7 0.013**	**3.7 0.040**	13.9 0.000	**2.3 0.166**	**8.7 0.000**	——	——
M11	44 25	44 49	44 58	44 35	44 26	44 69	44 62	44 134	44 13
	2.1 0.050	**7.8 0.000**	**1.1 0.657**	**1.2 0.601**	**1.1 0.762**	**1.4 0.200**	**1.0 0.869**	**1.6 0.056**	**3.2 0.005**
Grt	51 28	51 80	51 67	51 43	51 29	51 89	51 74	51 46	51 37
	1.4 0.326	**1.5 0.082**	**1.0 0.867**	**1.7 0.074**	**1.5 0.240**	**5.6 0.000**	**1.0 0.993**	**1.9 0.037**	**3.5 0.000**
Hma	22 4	22 16	22 29	22 19	22 7	22 3	22 44	22 0	22 1
	3.0 0.397	**5.4 0.002**	**1.9 0.148**	**5.7 0.000**	**3.0 0.053**	1.7 0.411	**2.8 0.012**	——	——
dia	24 4	24 16	24 29	24 19	24 7	24 3	24 44	24 0	24 1
	11.6 0.066	**26.0 0.000**	**1.9 0.105**	**13.6 0.000**	**2.3 0.131**	406.1 0.005	**55.6 0.000**	——	——
pV	24 4	24 16	24 29	24 17	24 6	24 3	24 44	24 0	24 1
	7.9 0.113	**6.1 0.001**	**4.2 0.001**	**2.1 0.120**	**8.6 0.000**	23.4 0.084	**6.3 0.000**	——	——

Table 6. (cont'd) f-test

Colour	Res.others Classic Cd	Res.others Classic Ht	Res.others Scattered	Res.others Detached	Res.others J.Trojans	Res.others Centaurs	Res.others SP Comets	Res.others LP Comets
U-B	2 3	2 10	2 7	2 2	2 1	2 0	2 0	2 0
	1.9 0.913	3.5 0.786	2.6 0.886	3.0 0.665	— —	— —	— —	— —
U-V	2 3	2 10	2 7	2 2	2 1	2 0	2 0	2 0
	13.1 0.383	58.6 0.202	62.2 0.194	4.6 0.557	— —	— —	— —	— —
U-R	2 3	2 10	2 7	2 2	2 1	2 0	2 0	2 0
	1.6 0.983	9.6 0.492	8.1 0.526	1.2 0.935	— —	— —	— —	— —
B-V	20 40	20 48	20 41	20 24	20 83	20 72	20 20	20 33
	1.1 0.780	**1.9 0.127**	**1.1 0.836**	**1.1 0.747**	**1.7 0.099**	**1.7 0.174**	**2.4 0.067**	**3.2 0.003**
B-R	22 40	22 47	22 43	22 25	22 83	22 74	22 20	22 32
	1.4 0.393	**1.5 0.319**	**1.2 0.616**	**1.4 0.456**	**3.0 0.000**	**1.5 0.336**	**1.8 0.187**	**5.7 0.000**
B-I	17 26	17 40	17 32	17 21	17 76	17 42	17 13	17 11
	1.5 0.320	**1.4 0.451**	**1.1 0.866**	**1.8 0.227**	**4.1 0.000**	**1.4 0.518**	**6.0 0.003**	**8.7 0.001**
B-J	3 1	3 1	3 4	3 2	3 5	3 9	3 1	3 0
	— —	— —	2.3 0.627	3.8 0.381	14.3 0.030	3.8 0.452	— —	— —
B-H	3 1	3 1	3 4	3 2	3 5	3 9	3 1	3 0
	— —	— —	1.2 0.965	2.3 0.542	7.1 0.097	2.9 0.569	— —	— —
B-K	2 1	2 1	2 2	2 1	2 5	2 9	2 1	2 0
	— —	— —	60.7 0.163	— —	6.3 0.132	1.6 0.903	— —	— —
V-R	25 48	25 55	25 41	25 26	25 89	25 74	25 46	25 36
	1.4 0.318	**1.1 0.915**	**1.4 0.371**	**1.3 0.510**	**3.6 0.000**	**1.1 0.851**	**1.0 0.913**	**3.1 0.002**
V-I	26 73	26 60	26 34	26 26	26 82	26 47	26 23	26 15
	1.2 0.564	**1.9 0.088**	**1.0 0.892**	**1.0 0.949**	**3.2 0.000**	**1.6 0.194**	**2.2 0.072**	**1.8 0.267**
V-J	5 4	5 13	5 9	5 4	5 12	5 11	5 1	5 0
	2.2 0.463	1.7 0.638	2.2 0.475	3.4 0.270	7.4 0.008	2.1 0.480	— —	— —
V-H	4 1	4 6	4 7	4 4	4 12	4 11	4 1	4 0
	— —	1.2 0.956	1.3 0.871	2.2 0.525	7.8 0.009	1.2 0.743	— —	— —
V-K	3 1	3 6	3 5	3 3	3 12	3 11	3 1	3 0
	— —	1.2 0.953	1.0 0.906	3.9 0.406	7.0 0.022	2.0 0.383	— —	— —
R-I	22 37	22 44	22 30	22 23	22 82	22 47	22 24	22 15
	1.3 0.592	**2.6 0.020**	**1.2 0.674**	**1.1 0.824**	**2.3 0.007**	**1.9 0.106**	**1.1 0.774**	**1.7 0.310**
R-J	3 0	3 3	3 5	3 2	3 5	3 9	3 1	3 0
	— —	2.5 0.565	3.7 0.450	2.5 0.822	4.2 0.206	7.0 0.263	— —	— —
R-H	3 0	3 3	3 5	3 2	3 5	3 9	3 1	3 0
	— —	17.4 0.109	1.7 0.801	16.1 0.347	2.3 0.435	3.5 0.478	— —	— —
R-K	2 0	2 1	2 3	2 1	2 5	2 9	2 1	2 0
	— —	— —	22.3 0.084	— —	4.4 0.209	1.3 0.569	— —	— —
I-J	6 2	6 4	6 9	6 1	6 5	6 16	6 1	6 0
	1.3 0.624	2.4 0.503	**1.9 0.505**	— —	11.7 0.033	**1.3 0.621**	— —	— —
I-H	4 1	4 2	4 4	4 1	4 5	4 9	4 1	4 0
	— —	4.3 0.671	2.9 0.404	— —	4.8 0.163	1.4 0.626	— —	— —
I-K	4 1	4 2	4 3	4 1	4 5	4 9	4 1	4 0
	— —	17.0 0.352	4.2 0.397	— —	3.3 0.280	1.6 0.531	— —	— —
J-H	13 29	13 35	13 12	13 11	13 12	13 22	13 1	13 0
	1.6 0.364	**14.3 0.000**	**4.1 0.022**	**3.4 0.048**	**1.0 0.992**	**1.9 0.249**	— —	— —
J-K	5 4	5 10	5 10	5 4	5 12	5 22	5 1	5 0
	2.1 0.578	7.7 0.065	1.1 0.978	9.7 0.053	1.8 0.386	1.7 0.667	— —	— —
H-K	4 4	4 10	4 8	4 4	4 12	4 21	4 1	4 0
	1.7 0.671	34.9 0.014	27.7 0.020	103.7 0.003	3.2 0.369	65.0 0.005	— —	— —
M11	25 49	25 58	25 35	25 26	25 69	25 62	25 134	25 13
	3.7 0.000	**1.9 0.090**	**1.8 0.141**	**2.3 0.040**	**1.5 0.262**	**2.0 0.055**	**1.4 0.386**	**6.9 0.000**
Grt	28 80	28 67	28 43	28 29	28 89	28 74	28 46	28 37
	1.1 0.752	**1.5 0.250**	**1.2 0.572**	**1.1 0.870**	**3.9 0.000**	**1.4 0.298**	**1.3 0.422**	**2.5 0.012**
Hma	4 16	4 29	4 19	4 7	4 3	4 44	4 0	4 1
	1.8 0.385	5.6 0.181	17.0 0.039	9.1 0.097	5.1 0.215	8.5 0.101	— —	— —
dia	4 16	4 29	4 19	4 7	4 3	4 44	4 0	4 1
	2.2 0.251	6.1 0.161	1.2 0.694	27.2 0.021	35.0 0.056	4.8 0.011	— —	— —
pV	4 16	4 29	4 17	4 6	4 3	4 44	4 0	4 1
	1.3 0.938	33.2 0.014	3.7 0.309	68.5 0.005	3.0 0.526	1.2 0.999	— —	— —

Table 6. (cont'd) f-test

Colour	Classic Cd Classic Ht	Classic Cd Scattered	Classic Cd Detached	Classic Cd J.Trojans	Classic Cd Centaurs	Classic Cd SP Comets	Classic Cd LP Comets
U-B	3 10	3 7	3 2	3 1	3 0	3 0	3 0
	1.9 0.798	1.4 0.963	1.6 0.669	— —	— —	— —	— —
U-V	3 10	3 7	3 2	3 1	3 0	3 0	3 0
	4.5 0.393	4.7 0.369	60.2 0.182	— —	— —	— —	— —
U-R	3 10	3 7	3 2	3 1	3 0	3 0	3 0
	6.1 0.297	5.2 0.343	1.9 0.907	— —	— —	— —	— —
U-I	2 7	2 4	2 0	2 0	2 0	2 0	2 0
	10.0 0.474	10.8 0.438	— —	— —	— —	— —	— —
B-V	40 48	40 41	40 24	40 83	40 72	40 20	40 33
	1.7 0.101	**1.0 0.926**	**1.3 0.501**	**2.0 0.011**	**1.5 0.151**	**2.1 0.052**	**3.7 0.000**
B-R	40 47	40 43	40 25	40 83	40 74	40 20	40 32
	2.0 0.025	**1.1 0.668**	**1.0 0.984**	**2.2 0.002**	**2.0 0.021**	**2.5 0.016**	**4.2 0.000**
B-I	26 40	26 32	26 21	26 76	26 42	26 13	26 11
	2.2 0.040	**1.5 0.331**	**1.1 0.765**	**2.7 0.001**	**2.1 0.053**	**3.9 0.017**	**5.6 0.007**
B-J	1 1	1 4	1 2	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —	— —
B-H	1 1	1 4	1 2	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —	— —
B-K	1 1	1 2	1 1	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —	— —
V-R	48 55	48 41	48 26	48 89	48 74	48 46	48 36
	1.5 0.173	**1.0 0.933**	**1.1 0.814**	**2.5 0.000**	**1.5 0.125**	**1.4 0.293**	**2.2 0.016**
V-I	73 60	73 34	73 26	73 82	73 47	73 23	73 15
	2.2 0.001	**1.1 0.645**	**1.2 0.620**	**2.7 0.000**	**1.9 0.012**	**1.8 0.116**	**1.5 0.410**
V-J	4 13	4 9	4 4	4 12	4 11	4 1	4 0
	1.3 0.652	1.0 0.873	1.5 0.730	16.2 0.000	1.0 0.849	— —	— —
V-H	1 6	1 7	1 4	1 12	1 11	1 1	1 0
	— —	— —	— —	— —	— —	— —	— —
V-K	1 6	1 5	1 3	1 12	1 11	1 1	1 0
	— —	— —	— —	— —	— —	— —	— —
R-I	37 44	37 30	37 23	37 82	37 47	37 24	37 15
	2.1 0.026	**1.0 0.912**	**1.1 0.766**	**2.9 0.000**	**1.5 0.186**	**1.1 0.817**	**2.1 0.130**
R-J	0 3	0 5	0 2	0 5	0 9	0 1	0 0
	— —	— —	— —	— —	— —	— —	— —
R-H	0 3	0 5	0 2	0 5	0 9	0 1	0 0
	— —	— —	— —	— —	— —	— —	— —
R-K	0 1	0 3	0 1	0 5	0 9	0 1	0 0
	— —	— —	— —	— —	— —	— —	— —
I-J	2 4	2 9	2 1	2 5	2 16	2 1	2 0
	3.0 0.360	1.5 0.872	— —	14.8 0.037	1.7 0.434	— —	— —
I-H	1 2	1 4	1 1	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —	— —
I-K	1 2	1 3	1 1	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —	— —
J-H	29 35	29 12	29 11	29 12	29 22	29 1	29 0
	8.7 0.000	**2.5 0.049**	**2.1 0.125**	**1.7 0.375**	**1.2 0.706**	— —	— —
J-K	4 10	4 10	4 4	4 12	4 22	4 1	4 0
	15.8 0.044	2.2 0.553	20.0 0.035	1.1 0.954	3.4 0.337	— —	— —
H-K	4 10	4 8	4 4	4 12	4 21	4 1	4 0
	20.4 0.030	16.2 0.043	60.8 0.007	1.9 0.664	38.1 0.012	— —	— —
M11	49 58	49 35	49 26	49 69	49 62	49 134	49 13
	6.9 0.000	**6.5 0.000**	**8.6 0.000**	**5.5 0.000**	**7.5 0.000**	**5.0 0.000**	**25.1 0.000**
Grt	80 67	80 43	80 29	80 89	80 74	80 46	80 37
	1.6 0.040	**1.1 0.721**	**1.0 0.906**	**3.6 0.000**	**1.6 0.055**	**1.2 0.511**	**2.3 0.008**
Hma	16 29	16 19	16 7	16 3	16 44	16 0	16 1
	10.0 0.000	**30.4 0.000**	**16.3 0.000**	9.2 0.005	**15.3 0.000**	— —	— —
dia	16 29	16 19	16 7	16 3	16 44	16 0	16 1
	13.7 0.000	**1.9 0.212**	**60.9 0.000**	15.6 0.124	**2.1 0.053**	— —	— —
pV	16 29	16 17	16 6	16 3	16 44	16 0	16 1
	25.4 0.000	**2.8 0.051**	**52.4 0.000**	3.9 0.450	**1.0 0.863**	— —	— —

Table 6. (cont'd) f-test

Colour	Classic Ht Scattered	Classic Ht Detached	Classic Ht J.Trojans	Classic Ht Centaurs	Classic Ht SP Comets	Classic Ht LP Comets
U-B	10 7	10 2	10 1	10 0	10 0	10 0
	1.4 0.729	1.2 0.758	— —	— —	— —	— —
U-V	10 7	10 2	10 1	10 0	10 0	10 0
	1.1 0.899	268.3 0.095	— —	— —	— —	— —
U-R	10 7	10 2	10 1	10 0	10 0	10 0
	1.2 0.866	11.8 0.445	— —	— —	— —	— —
U-I	7 4	7 0	7 0	7 0	7 0	7 0
	1.1 0.853	— —	— —	— —	— —	— —
B-V	48 41	48 24	48 83	48 72	48 20	48 33
	1.7 0.081	**2.2 0.045**	**3.3 0.000**	**1.1 0.722**	**1.2 0.529**	**6.2 0.000**
B-R	47 43	47 25	47 83	47 74	47 20	47 32
	1.8 0.061	**2.0 0.062**	**4.5 0.000**	**1.0 0.904**	**1.2 0.577**	**8.6 0.000**
B-I	40 32	40 21	40 76	40 42	40 13	40 11
	1.5 0.246	**2.5 0.030**	**5.9 0.000**	**1.0 0.876**	**8.6 0.000**	**12.3 0.000**
B-J	1 4	1 2	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —
B-H	1 4	1 2	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —
B-K	1 2	1 1	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —
V-R	55 41	55 26	55 89	55 74	55 46	55 36
	1.4 0.226	**1.4 0.384**	**3.8 0.000**	**1.0 0.918**	**1.1 0.790**	**3.3 0.000**
V-I	60 34	60 26	60 82	60 47	60 23	60 15
	1.9 0.040	**1.9 0.076**	**6.0 0.000**	**1.1 0.633**	**4.0 0.001**	**3.3 0.017**
V-J	13 9	13 4	13 12	13 11	13 1	13 0
	1.3 0.690	2.0 0.343	**12.7 0.000**	**1.3 0.701**	— —	— —
V-H	6 7	6 4	6 12	6 11	6 1	6 0
	1.1 0.898	1.9 0.492	**9.2 0.002**	**1.4 0.632**	— —	— —
V-K	6 5	6 3	6 12	6 11	6 1	6 0
	1.1 0.934	3.4 0.236	**8.1 0.004**	**2.3 0.252**	— —	— —
R-I	44 30	44 23	44 82	44 47	44 24	44 15
	2.2 0.030	**2.4 0.032**	**6.1 0.000**	**1.4 0.306**	**2.3 0.034**	**4.4 0.004**
R-J	3 5	3 2	3 5	3 9	3 1	3 0
	9.3 0.198	1.0 0.833	1.7 0.595	17.7 0.109	— —	— —
R-H	3 5	3 2	3 5	3 9	3 1	3 0
	29.8 0.065	1.1 0.816	7.6 0.239	61.5 0.032	— —	— —
R-K	1 3	1 1	1 5	1 9	1 1	1 0
	— —	— —	— —	— —	— —	— —
I-J	4 9	4 1	4 5	4 16	4 1	4 0
	4.5 0.243	— —	4.9 0.159	1.8 0.686	— —	— —
I-H	2 4	2 1	2 5	2 9	2 1	2 0
	12.6 0.407	— —	1.1 0.704	3.1 0.827	— —	— —
I-K	2 3	2 1	2 5	2 9	2 1	2 0
	4.1 0.663	— —	5.2 0.635	10.7 0.465	— —	— —
J-H	35 12	35 11	35 12	35 22	35 1	35 0
	3.5 0.032	**4.2 0.020**	**14.5 0.000**	**7.5 0.000**	— —	— —
J-K	10 10	10 4	10 12	10 22	10 1	10 0
	7.1 0.007	1.3 0.690	**14.1 0.000**	**4.6 0.004**	— —	— —
H-K	10 8	10 4	10 12	10 21	10 1	10 0
	1.3 0.779	3.0 0.179	**10.9 0.001**	**1.9 0.339**	— —	— —
M11	58 35	58 26	58 69	58 62	58 134	58 13
	1.1 0.886	**1.2 0.485**	**1.2 0.379**	**1.1 0.758**	**1.4 0.130**	**3.6 0.001**
Grt	67 43	67 29	67 89	67 74	67 46	67 37
	1.8 0.043	**1.6 0.177**	**5.9 0.000**	**1.0 0.861**	**1.9 0.019**	**3.7 0.000**
Hma	29 19	29 7	29 3	29 44	29 0	29 1
	3.1 0.008	**1.6 0.347**	1.1 0.820	**1.5 0.234**	— —	— —
dia	29 19	29 7	29 3	29 44	29 0	29 1
	7.2 0.000	**4.5 0.005**	213.2 0.009	**29.2 0.000**	— —	— —
pV	29 17	29 6	29 3	29 44	29 0	29 1
	9.0 0.000	**2.1 0.201**	98.1 0.020	**26.6 0.000**	— —	— —

Table 6. (cont'd) f-test

Colour	Scattered Detached	Scattered J.Trojans	Scattered Centaurs	Scattered SP Comets	Scattered LP Comets
U-B	7 2 1.2 0.643	7 1 — —	7 0 — —	7 0 — —	7 0 — —
U-V	7 2 284.7 0.091	7 1 — —	7 0 — —	7 0 — —	7 0 — —
U-R	7 2 9.9 0.476	7 1 — —	7 0 — —	7 0 — —	7 0 — —
U-I	4 0 — —	4 0 — —	4 0 — —	4 0 — —	4 0 — —
B-V	41 24 **1.3 0.550**	41 83 **1.9 0.014**	41 72 **1.6 0.121**	41 20 **2.1 0.042**	41 33 **3.6 0.000**
B-R	43 25 **1.2 0.727**	43 83 **2.5 0.000**	43 74 **1.7 0.056**	43 20 **2.2 0.038**	43 32 **4.8 0.000**
B-I	32 21 **1.7 0.228**	32 76 **3.9 0.000**	32 42 **1.4 0.303**	32 13 **5.7 0.003**	32 11 **8.2 0.001**
B-J	4 2 1.6 0.585	4 5 33.4 0.005	4 9 1.6 0.757	4 1 — —	4 0 — —
B-H	4 2 1.9 0.528	4 5 8.6 0.065	4 9 2.4 0.516	4 1 — —	4 0 — —
B-K	2 1 — —	2 5 9.6 0.473	2 9 96.8 0.157	2 1 — —	2 0 — —
V-R	41 26 **1.0 0.875**	41 89 **2.6 0.000**	41 74 **1.5 0.173**	41 46 **1.3 0.356**	41 36 **2.3 0.015**
V-I	34 26 **1.0 0.947**	34 82 **3.1 0.000**	34 47 **1.7 0.113**	34 23 **2.1 0.079**	34 15 **1.7 0.295**
V-J	9 4 1.6 0.545	9 12 **16.0 0.000**	9 11 **1.0 0.971**	9 1 — —	9 0 — —
V-H	7 4 1.7 0.546	7 12 **10.5 0.001**	7 11 **1.6 0.505**	7 1 — —	7 0 — —
V-K	5 3 3.8 0.237	5 12 7.2 0.008	5 11 2.0 0.336	5 1 — —	5 0 — —
R-I	30 23 **1.1 0.851**	30 82 **2.8 0.000**	30 47 **1.6 0.180**	30 24 **1.1 0.902**	30 15 **2.0 0.161**
R-J	5 2 9.0 0.488	5 5 15.6 0.021	5 9 1.9 0.562	5 1 — —	5 0 — —
R-H	5 2 27.6 0.283	5 5 3.9 0.214	5 9 2.1 0.505	5 1 — —	5 0 — —
R-K	3 1 — —	3 5 5.1 0.342	3 9 16.9 0.114	3 1 — —	3 0 — —
I-J	9 1 — —	9 5 22.0 0.009	9 16 **2.5 0.125**	9 1 — —	9 0 — —
I-H	4 1 — —	4 5 14.0 0.028	4 9 4.1 0.101	4 1 — —	4 0 — —
I-K	3 1 — —	3 5 1.3 0.968	3 9 2.6 0.609	3 1 — —	3 0 — —
J-H	12 11 **1.2 0.774**	12 12 **4.2 0.026**	12 22 **2.2 0.124**	12 1 — —	12 0 — —
J-K	10 4 9.0 0.009	10 12 **2.0 0.286**	10 22 **1.5 0.509**	10 1 — —	10 0 — —
H-K	8 4 3.7 0.137	8 12 **8.7 0.002**	8 21 **2.3 0.252**	8 1 — —	8 0 — —
M11	35 26 **1.3 0.454**	35 69 **1.2 0.544**	35 62 **1.1 0.683**	35 134 **1.3 0.278**	35 13 **3.8 0.002**
Grt	43 29 **1.1 0.698**	43 89 **3.3 0.000**	43 74 **1.7 0.056**	43 46 **1.1 0.797**	43 37 **2.0 0.032**
Hma	19 7 **1.9 0.452**	19 3 3.3 0.513	19 44 **2.0 0.065**	19 0 — —	19 1 — —
dia	19 7 **31.9 0.000**	19 3 29.8 0.066	19 44 **4.1 0.000**	19 0 — —	19 1 — —
pV	17 6 **18.5 0.000**	17 3 10.9 0.174	17 44 **3.0 0.005**	17 0 — —	17 1 — —

Table 6. (cont'd) f-test

Colour	Detached J.Trojans	Detached Centaurs	Detached SP Comets	Detached LP Comets
U-B	2 1 — —	2 0 — —	2 0 — —	2 0 — —
U-V	2 1 — —	2 0 — —	2 0 — —	2 0 — —
U-R	2 1 — —	2 0 — —	2 0 — —	2 0 — —
U-I	0 0 — —	0 0 — —	0 0 — —	0 0 — —
B-V	24 83 **1.5 0.190**	24 72 **2.0 0.065**	24 20 **2.7 0.024**	24 33 **2.8 0.007**
B-R	25 83 **2.2 0.009**	25 74 **2.0 0.060**	25 20 **2.5 0.037**	25 32 **4.2 0.000**
B-I	21 76 **2.3 0.009**	21 42 **2.4 0.038**	21 13 **3.4 0.034**	21 11 **4.9 0.013**
B-J	2 5 54.3 0.004	2 9 1.0 0.690	2 1 — —	2 0 — —
B-H	2 5 16.1 0.032	2 9 1.3 0.799	2 1 — —	2 0 — —
B-K	1 5 — —	1 9 — —	1 1 — —	1 0 — —
V-R	26 89 **2.7 0.001**	26 74 **1.4 0.328**	26 46 **1.3 0.524**	26 36 **2.4 0.018**
V-I	26 82 **3.1 0.000**	26 47 **1.7 0.171**	26 23 **2.1 0.082**	26 15 **1.7 0.289**
V-J	4 12 25.1 0.000	4 11 1.6 0.512	4 1 — —	4 0 — —
V-H	4 12 17.5 0.000	4 11 2.6 0.220	4 1 — —	4 0 — —
V-K	3 12 27.5 0.000	3 11 7.7 0.019	3 1 — —	3 0 — —
R-I	23 82 **2.6 0.002**	23 47 **1.7 0.160**	23 24 **1.0 0.950**	23 15 **1.9 0.227**
R-J	2 5 1.7 0.520	2 9 17.1 0.370	2 1 — —	2 0 — —
R-H	2 5 7.0 0.549	2 9 57.0 0.204	2 1 — —	2 0 — —
R-K	1 5 — —	1 9 — —	1 1 — —	1 0 — —
I-J	1 5 — —	1 16 — —	1 1 — —	1 0 — —
I-H	1 5 — —	1 9 — —	1 1 — —	1 0 — —
I-K	1 5 — —	1 9 — —	1 1 — —	1 0 — —
J-H	11 12 **3.5 0.053**	11 22 **1.8 0.250**	11 1 — —	11 0 — —
J-K	4 12 17.7 0.000	4 22 5.8 0.009	4 1 — —	4 0 — —
H-K	4 12 32.5 0.000	4 21 1.6 0.444	4 1 — —	4 0 — —
M11	26 69 **1.6 0.155**	26 62 **1.1 0.644**	26 134 **1.7 0.052**	26 13 **2.9 0.023**
Grt	29 89 **3.7 0.000**	29 74 **1.5 0.214**	29 46 **1.2 0.532**	29 37 **2.3 0.019**
Hma	7 3 1.8 0.805	7 44 **1.1 0.793**	7 0 — —	7 1 — —
dia	7 3 951.0 0.002	7 44 **130.3 0.000**	7 0 — —	7 1 — —
pV	6 3 202.2 0.010	6 44 **54.8 0.000**	6 0 — —	6 1 — —

Table 6. (cont'd) f-test

Colour	J.Trojans Centaurs	J.Trojans SP Comets	J.Trojans LP Comets
U-B	1 0	1 0	1 0
	— —	— —	— —
U-V	1 0	1 0	1 0
	— —	— —	— —
U-R	1 0	1 0	1 0
	— —	— —	— —
U-I	0 0	0 0	0 0
	— —	— —	— —
B-V	83 72	83 20	83 33
	3.0 0.000	**4.1 0.000**	**1.9 0.048**
B-R	83 74	83 20	83 32
	4.4 0.000	**5.5 0.000**	**1.9 0.049**
B-I	76 42	76 13	76 11
	5.6 0.000	**1.5 0.486**	**2.1 0.201**
B-J	5 9	5 1	5 0
	53.9 0.002	— —	— —
B-H	5 9	5 1	5 0
	20.3 0.011	— —	— —
B-K	5 9	5 1	5 0
	10.0 0.041	— —	— —
V-R	89 74	89 46	89 36
	3.9 0.000	**3.5 0.000**	**1.1 0.602**
V-I	82 47	82 23	82 15
	5.2 0.000	**1.5 0.207**	**1.8 0.102**
V-J	12 11	12 1	12 0
	15.9 0.000	— —	— —
V-H	12 11	12 1	12 0
	6.7 0.004	— —	— —
V-K	12 11	12 1	12 0
	3.6 0.048	— —	— —
R-I	82 47	82 24	82 15
	4.5 0.000	**2.6 0.001**	**1.4 0.375**
R-J	5 9	5 1	5 0
	29.5 0.005	— —	— —
R-H	5 9	5 1	5 0
	8.1 0.060	— —	— —
R-K	5 9	5 1	5 0
	3.3 0.260	— —	— —
I-J	5 16	5 1	5 0
	8.9 0.047	— —	— —
I-H	5 9	5 1	5 0
	3.5 0.247	— —	— —
I-K	5 9	5 1	5 0
	2.1 0.505	— —	— —
J-H	12 22	12 1	12 0
	1.9 0.261	— —	— —
J-K	12 22	12 1	12 0
	3.1 0.060	— —	— —
H-K	12 21	12 1	12 0
	20.4 0.000	— —	— —
M11	69 62	69 134	69 13
	1.4 0.223	**1.1 0.604**	**4.5 0.000**
Grt	89 74	89 46	89 37
	5.6 0.000	**3.0 0.000**	**1.6 0.076**
Hma	3 44	3 0	3 1
	1.7 0.894	— —	— —
dia	3 44	3 0	3 1
	7.3 0.255	— —	— —
pV	3 44	3 0	3 1
	3.7 0.472	— —	— —

Table 6. (cont'd) f-test

Colour	Centaurs SP Comets	Centaurs LP Comets
U-B	0 0	0 0
	— —	— —
U-V	0 0	0 0
	— —	— —
U-R	0 0	0 0
	— —	— —
U-I	0 0	0 0
	— —	— —
B-V	72 20	72 33
	1.4 0.349	**5.6 0.000**
B-R	74 20	74 32
	1.2 0.493	**8.3 0.000**
B-I	42 13	42 11
	8.1 0.000	**11.8 0.000**
B-J	9 1	9 0
	— —	— —
B-H	9 1	9 0
	— —	— —
B-K	9 1	9 0
	— —	— —
V-R	74 46	74 36
	1.1 0.703	**3.4 0.000**
V-I	47 23	47 15
	3.5 0.002	**2.9 0.035**
V-J	11 1	11 0
	— —	— —
V-H	11 1	11 0
	— —	— —
V-K	11 1	11 0
	— —	— —
R-I	47 24	47 15
	1.7 0.174	**3.3 0.019**
R-J	9 1	9 0
	— —	— —
R-H	9 1	9 0
	— —	— —
R-K	9 1	9 0
	— —	— —
I-J	16 1	16 0
	— —	— —
I-H	9 1	9 0
	— —	— —
I-K	9 1	9 0
	— —	— —
J-H	22 1	22 0
	— —	— —
J-K	22 1	22 0
	— —	— —
H-K	21 1	21 0
	— —	— —
M11	62 134	62 13
	1.5 0.054	**3.4 0.002**
Grt	74 46	74 37
	1.9 0.026	**3.5 0.000**
Hma	44 0	44 1
	— —	— —
dia	44 0	44 1
	— —	— —
pV	44 0	44 1
	— —	— —

Table 6. KS-test, comparing the distributions using the KS test of pairs of classes

Colour	Res. 3:2 Res.others	Res. 3:2 Classic Cd	Res. 3:2 Classic Ht	Res. 3:2 Scattered	Res. 3:2 Detached	Res. 3:2 J.Trojans	Res. 3:2 Centaurs	Res. 3:2 SP Comets	Res. 3:2 LP Comets
B-V	44 20	44 40	44 48	44 41	44 24	44 83	44 72	44 20	44 33
	0.3 0.069	**0.4 0.001**	**0.1 0.741**	**0.3 0.057**	**0.2 0.334**	**0.4 0.000**	**0.2 0.439**	**0.3 0.203**	**0.5 0.000**
B-R	39 22	39 40	39 47	39 43	39 25	39 83	39 74	39 20	39 32
	0.3 0.167	**0.5 0.000**	**0.2 0.435**	**0.3 0.073**	**0.2 0.396**	**0.4 0.000**	**0.2 0.575**	**0.3 0.129**	**0.5 0.001**
B-I	32 17	32 26	32 40	32 32	32 21	32 76	32 42	32 13	32 11
	0.3 0.186	**0.4 0.009**	**0.2 0.357**	**0.2 0.233**	**0.3 0.236**	**0.5 0.000**	**0.2 0.221**	**0.5 0.022**	**0.5 0.012**
B-J	4 3	4 1	4 1	4 4	4 2	4 5	4 9	4 1	4 0
	0.5 0.616	0.5 0.903	0.5 0.903	0.8 0.107	0.5 0.736	0.5 0.477	0.4 0.679	0.5 0.903	— —
B-H	4 3	4 1	4 1	4 4	4 2	4 5	4 9	4 1	4 0
	0.5 0.616	0.5 0.903	0.5 0.903	0.5 0.534	0.5 0.736	0.5 0.477	0.4 0.679	0.5 0.903	— —
B-K	3 2	3 1	3 1	3 2	3 1	3 5	3 9	3 1	3 0
	0.5 0.780	0.7 0.641	0.7 0.641	0.5 0.780	1.0 0.168	0.7 0.224	0.4 0.623	0.7 0.641	— —
V-R	45 25	45 48	45 55	45 41	45 26	45 89	45 74	45 46	45 36
	0.2 0.315	**0.4 0.001**	**0.1 0.821**	**0.2 0.123**	**0.2 0.278**	**0.6 0.000**	**0.1 0.668**	**0.3 0.017**	**0.5 0.000**
V-I	41 26	41 73	41 60	41 34	41 26	41 82	41 47	41 23	41 15
	0.3 0.093	**0.4 0.001**	**0.1 0.847**	**0.3 0.030**	**0.3 0.195**	**0.6 0.000**	**0.2 0.132**	**0.5 0.002**	**0.5 0.003**
V-J	15 5	15 4	15 13	15 9	15 4	15 12	15 11	15 1	15 0
	0.4 0.472	0.3 0.918	**0.5 0.066**	**0.3 0.749**	0.4 0.518	**0.7 0.002**	**0.4 0.214**	0.7 0.542	— —
V-H	9 4	9 1	9 6	9 7	9 4	9 12	9 11	9 1	9 0
	0.5 0.359	1.0 0.121	**0.4 0.363**	**0.4 0.405**	0.3 0.841	**0.4 0.192**	**0.3 0.749**	0.6 0.779	— —
V-K	7 3	7 1	7 6	7 5	7 3	7 12	7 11	7 1	7 0
	0.4 0.703	1.0 0.128	**0.4 0.468**	0.4 0.707	0.3 0.924	**0.4 0.298**	**0.4 0.431**	0.4 0.962	— —
R-I	39 22	39 37	39 44	39 30	39 23	39 82	39 47	39 24	39 15
	0.2 0.635	**0.3 0.049**	**0.1 0.824**	**0.2 0.300**	**0.3 0.173**	**0.5 0.000**	**0.2 0.119**	**0.4 0.007**	**0.5 0.003**
R-J	4 3	4 0	4 3	4 5	4 2	4 5	4 9	4 1	4 0
	0.4 0.821	— —	0.8 0.152	0.4 0.878	0.8 0.242	0.8 0.082	0.5 0.296	0.8 0.461	— —
R-H	4 3	4 0	4 3	4 5	4 2	4 5	4 9	4 1	4 0
	0.4 0.821	— —	0.8 0.152	0.4 0.754	0.8 0.242	0.8 0.082	0.5 0.296	0.8 0.461	— —
R-K	2 2	2 0	2 1	2 3	2 1	2 5	2 9	2 1	2 0
	0.5 0.844	— —	1.0 0.201	0.7 0.425	1.0 0.201	1.0 0.038	0.8 0.139	1.0 0.201	— —
I-J	8 6	8 2	8 4	8 9	8 1	8 5	8 16	8 1	8 0
	0.4 0.471	0.8 0.175	0.2 0.986	**0.6 0.034**	1.0 0.124	0.6 0.206	**0.3 0.587**	0.6 0.649	— —
I-H	3 4	3 1	3 2	3 4	3 1	3 5	3 9	3 1	3 0
	0.5 0.616	1.0 0.168	0.3 0.991	0.5 0.616	0.7 0.641	0.7 0.224	0.4 0.623	0.7 0.641	— —
I-K	3 4	3 1	3 2	3 3	3 1	3 5	3 9	3 1	3 0
	0.3 0.961	1.0 0.168	0.7 0.425	0.3 0.976	0.7 0.641	0.5 0.657	0.3 0.908	0.7 0.641	— —
J-H	23 13	23 29	23 35	23 12	23 11	23 12	23 22	23 1	23 0
	0.5 0.022	**0.3 0.123**	**0.2 0.342**	**0.4 0.198**	**0.3 0.641**	**0.5 0.051**	**0.2 0.688**	0.7 0.561	— —
J-K	15 5	15 4	15 10	15 10	15 4	15 12	15 22	15 1	15 0
	0.5 0.158	0.5 0.331	**0.3 0.716**	**0.3 0.433**	0.2 0.970	**0.7 0.001**	**0.4 0.140**	0.9 0.228	— —
H-K	14 4	14 4	14 10	14 8	14 4	14 12	14 21	14 1	14 0
	0.5 0.300	0.6 0.087	**0.3 0.771**	**0.3 0.650**	0.4 0.603	**0.8 0.000**	**0.4 0.184**	0.9 0.241	— —
M11	44 25	44 49	44 58	44 35	44 26	44 69	44 62	44 134	44 13
	0.3 0.213	**0.4 0.003**	**0.3 0.010**	**0.3 0.126**	**0.4 0.024**	**0.9 0.000**	**0.8 0.000**	**1.0 0.000**	**1.0 0.000**
Grt	51 28	51 80	51 67	51 43	51 29	51 89	51 74	51 46	51 37
	0.2 0.276	**0.4 0.000**	**0.1 0.921**	**0.3 0.014**	**0.2 0.276**	**0.6 0.000**	**0.2 0.179**	**0.3 0.011**	**0.5 0.000**
Hma	22 4	22 16	22 29	22 19	22 7	22 3	22 44	22 0	22 1
	0.4 0.577	**0.6 0.003**	**0.3 0.170**	**0.5 0.003**	**0.5 0.063**	1.0 0.003	**0.9 0.000**	— —	1.0 0.107
dia	24 4	24 16	24 29	24 19	24 7	24 3	24 44	24 0	24 1
	0.4 0.608	**0.5 0.004**	**0.2 0.385**	**0.5 0.003**	**0.5 0.111**	1.0 0.003	**0.8 0.000**	— —	1.0 0.106
pV	24 4	24 16	24 29	24 17	24 6	24 3	24 44	24 0	24 1
	0.3 0.749	**0.3 0.252**	**0.2 0.497**	**0.4 0.034**	**0.4 0.413**	0.7 0.072	**0.4 0.005**	— —	0.6 0.699

Table 6. (cont'd) KS-test

Colour	Res.others Classic Cd	Res.others Classic Ht	Res.others Scattered	Res.others Detached	Res.others J.Trojans	Res.others Centaurs	Res.others SP Comets	Res.others LP Comets
U-B	2 3	2 10	2 7	2 2	2 1	2 0	2 0	2 0
	1.0 0.063	0.5 0.630	0.4 0.950	0.5 0.844	1.0 0.201	— —	— —	— —
U-V	2 3	2 10	2 7	2 2	2 1	2 0	2 0	2 0
	1.0 0.063	0.8 0.114	0.6 0.494	1.0 0.097	1.0 0.201	— —	— —	— —
U-R	2 3	2 10	2 7	2 2	2 1	2 0	2 0	2 0
	1.0 0.063	0.9 0.053	0.7 0.230	1.0 0.097	1.0 0.201	— —	— —	— —
U-I	1 2	1 7	1 4	1 0	1 0	1 0	1 0	1 0
	1.0 0.201	0.9 0.264	0.8 0.461	— —	— —	— —	— —	— —
B-V	20 40	20 48	20 41	20 24	20 83	20 72	20 20	20 33
	0.5 0.003	**0.3 0.080**	**0.5 0.001**	**0.3 0.261**	**0.6 0.000**	**0.4 0.005**	**0.6 0.003**	**0.7 0.000**
B-R	22 40	22 47	22 43	22 25	22 83	22 74	22 20	22 32
	0.4 0.004	**0.3 0.074**	**0.5 0.001**	**0.3 0.354**	**0.7 0.000**	**0.4 0.021**	**0.5 0.013**	**0.6 0.000**
B-I	17 26	17 40	17 32	17 21	17 76	17 42	17 13	17 11
	0.5 0.008	**0.3 0.128**	**0.5 0.013**	**0.3 0.298**	**0.8 0.000**	**0.5 0.004**	**0.6 0.006**	**0.8 0.000**
B-J	3 1	3 1	3 4	3 2	3 5	3 9	3 1	3 0
	0.7 0.641	0.7 0.641	0.4 0.821	0.5 0.780	1.0 0.014	0.7 0.156	1.0 0.168	— —
B-H	3 1	3 1	3 4	3 2	3 5	3 9	3 1	3 0
	0.7 0.641	0.7 0.641	0.3 0.961	0.5 0.780	1.0 0.014	0.6 0.339	1.0 0.168	— —
B-K	2 1	2 1	2 2	2 1	2 5	2 9	2 1	2 0
	0.5 0.937	0.5 0.937	0.5 0.844	0.5 0.937	1.0 0.038	0.6 0.504	1.0 0.201	— —
V-R	25 48	25 55	25 41	25 26	25 89	25 74	25 46	25 36
	0.3 0.065	**0.2 0.430**	**0.4 0.021**	**0.3 0.086**	**0.7 0.000**	**0.3 0.075**	**0.4 0.015**	**0.6 0.000**
V-I	26 73	26 60	26 34	26 26	26 82	26 47	26 23	26 15
	0.3 0.020	**0.3 0.156**	**0.6 0.000**	**0.3 0.068**	**0.8 0.000**	**0.5 0.001**	**0.6 0.000**	**0.8 0.000**
V-J	5 4	5 13	5 9	5 4	5 12	5 11	5 1	5 0
	0.3 0.878	0.6 0.089	0.6 0.180	0.8 0.082	1.0 0.000	0.7 0.025	1.0 0.140	— —
V-H	4 1	4 6	4 7	4 4	4 12	4 11	4 1	4 0
	1.0 0.150	0.5 0.435	0.4 0.811	0.5 0.534	0.8 0.032	0.4 0.656	0.8 0.461	— —
V-K	3 1	3 6	3 5	3 3	3 12	3 11	3 1	3 0
	0.7 0.641	0.3 0.935	0.3 0.947	0.3 0.976	0.4 0.669	0.3 0.895	0.7 0.641	— —
R-I	22 37	22 44	22 30	22 23	22 82	22 47	22 24	22 15
	0.3 0.149	**0.2 0.522**	**0.3 0.281**	**0.2 0.653**	**0.7 0.000**	**0.3 0.082**	**0.5 0.006**	**0.6 0.003**
R-J	3 0	3 3	3 5	3 2	3 5	3 9	3 1	3 0
	— —	0.7 0.320	0.4 0.825	0.3 0.991	1.0 0.014	0.7 0.156	1.0 0.168	— —
R-H	3 0	3 3	3 5	3 2	3 5	3 9	3 1	3 0
	— —	1.0 0.033	0.6 0.338	0.7 0.425	1.0 0.014	0.8 0.062	1.0 0.168	— —
R-K	2 0	2 1	2 3	2 1	2 5	2 9	2 1	2 0
	— —	1.0 0.201	0.5 0.780	0.5 0.937	0.8 0.158	0.7 0.281	1.0 0.201	— —
I-J	6 2	6 4	6 9	6 1	6 5	6 16	6 1	6 0
	0.5 0.682	0.7 0.135	**0.2 0.984**	0.7 0.583	0.7 0.099	**0.3 0.621**	0.7 0.583	— —
I-H	4 1	4 2	4 4	4 1	4 5	4 9	4 1	4 0
	1.0 0.150	0.5 0.736	0.2 0.997	0.8 0.461	0.8 0.082	0.5 0.296	0.8 0.461	— —
I-K	4 1	4 2	4 3	4 1	4 5	4 9	4 1	4 0
	1.0 0.150	0.5 0.736	0.2 0.999	0.5 0.903	0.4 0.878	0.4 0.679	0.8 0.461	— —
J-H	13 29	13 35	13 12	13 11	13 12	13 22	13 1	13 0
	0.4 0.139	**0.3 0.333**	**0.3 0.597**	**0.4 0.308**	**0.2 0.976**	**0.4 0.052**	0.8 0.256	— —
J-K	5 4	5 10	5 10	5 4	5 12	5 22	5 1	5 0
	0.4 0.754	0.3 0.862	0.4 0.540	0.6 0.357	0.3 0.841	0.3 0.780	0.6 0.724	— —
H-K	4 4	4 10	4 8	4 4	4 12	4 21	4 1	4 0
	0.5 0.534	0.4 0.627	0.6 0.150	0.5 0.534	1.0 0.001	0.5 0.216	1.0 0.150	— —
M11	25 49	25 58	25 35	25 26	25 69	25 62	25 134	25 13
	0.3 0.085	**0.2 0.434**	**0.4 0.017**	**0.2 0.387**	**0.9 0.000**	**0.8 0.000**	**1.0 0.000**	**1.0 0.000**
Grt	28 80	28 67	28 43	28 29	28 89	28 74	28 46	28 37
	0.3 0.052	**0.3 0.141**	**0.5 0.000**	**0.4 0.013**	**0.9 0.000**	**0.4 0.001**	**0.5 0.000**	**0.7 0.000**
Hma	4 16	4 29	4 19	4 7	4 3	4 44	4 0	4 1
	0.7 0.051	0.4 0.579	0.8 0.014	0.6 0.250	1.0 0.021	1.0 0.000	— —	1.0 0.150
dia	4 16	4 29	4 19	4 7	4 3	4 44	4 0	4 1
	0.8 0.012	0.4 0.466	0.8 0.007	0.6 0.191	1.0 0.021	1.0 0.000	— —	1.0 0.150
pV	4 16	4 29	4 17	4 6	4 3	4 44	4 0	4 1
	0.2 0.968	0.4 0.365	0.8 0.020	0.3 0.890	1.0 0.021	0.6 0.058	— —	0.8 0.461

Table 6. (cont'd) KS-test

Colour	Classic Cd Classic Ht	Classic Cd Scattered	Classic Cd Detached	Classic Cd J.Trojans	Classic Cd Centaurs	Classic Cd SP Comets	Classic Cd LP Comets
U-B	3 10	3 7	3 2	3 1	3 0	3 0	3 0
	0.9 0.017	0.9 0.038	1.0 0.063	1.0 0.168	— —	— —	— —
U-V	3 10	3 7	3 2	3 1	3 0	3 0	3 0
	1.0 0.006	0.9 0.038	1.0 0.063	1.0 0.168	— —	— —	— —
U-R	3 10	3 7	3 2	3 1	3 0	3 0	3 0
	1.0 0.006	0.9 0.038	1.0 0.063	1.0 0.168	— —	— —	— —
U-I	2 7	2 4	2 0	2 0	2 0	2 0	2 0
	1.0 0.029	0.8 0.242	— —	— —	— —	— —	— —
B-V	40 48	40 41	40 24	40 83	40 72	40 20	40 33
	0.5 0.000	**0.6 0.000**	**0.6 0.000**	**0.7 0.000**	**0.5 0.000**	**0.6 0.000**	**0.8 0.000**
B-R	40 47	40 43	40 25	40 83	40 74	40 20	40 32
	0.5 0.000	**0.7 0.000**	**0.6 0.000**	**0.8 0.000**	**0.5 0.000**	**0.7 0.000**	**0.8 0.000**
B-I	26 40	26 32	26 21	26 76	26 42	26 13	26 11
	0.6 0.000	**0.7 0.000**	**0.6 0.000**	**0.9 0.000**	**0.6 0.000**	**0.9 0.000**	**0.9 0.000**
B-J	1 1	1 4	1 2	1 5	1 9	1 1	1 0
	1.0 0.289	0.8 0.461	0.5 0.937	1.0 0.140	0.7 0.561	1.0 0.289	— —
B-H	1 1	1 4	1 2	1 5	1 9	1 1	1 0
	1.0 0.289	0.5 0.903	0.5 0.937	1.0 0.140	0.7 0.561	1.0 0.289	— —
B-K	1 1	1 2	1 1	1 5	1 9	1 1	1 0
	1.0 0.289	1.0 0.201	1.0 0.289	1.0 0.140	0.7 0.561	1.0 0.289	— —
V-R	48 55	48 41	48 26	48 89	48 74	48 46	48 36
	0.5 0.000	**0.6 0.000**	**0.6 0.000**	**0.8 0.000**	**0.5 0.000**	**0.6 0.000**	**0.8 0.000**
V-I	73 60	73 34	73 26	73 82	73 47	73 23	73 15
	0.4 0.000	**0.6 0.000**	**0.6 0.000**	**0.9 0.000**	**0.6 0.000**	**0.8 0.000**	**0.8 0.000**
V-J	4 13	4 9	4 4	4 12	4 11	4 1	4 0
	0.5 0.267	0.4 0.592	0.5 0.534	0.8 0.032	0.5 0.385	0.8 0.461	— —
V-H	1 6	1 7	1 4	1 12	1 11	1 1	1 0
	1.0 0.133	1.0 0.128	1.0 0.150	1.0 0.115	0.9 0.191	1.0 0.289	— —
V-K	1 6	1 5	1 3	1 12	1 11	1 1	1 0
	1.0 0.133	1.0 0.140	1.0 0.168	1.0 0.115	0.9 0.191	1.0 0.289	— —
R-I	37 44	37 30	37 23	37 82	37 47	37 24	37 15
	0.3 0.091	**0.4 0.004**	**0.4 0.012**	**0.8 0.000**	**0.4 0.001**	**0.6 0.000**	**0.7 0.000**
R-J	0 3	0 5	0 2	0 5	0 9	0 1	0 0
	— —	— —	— —	— —	— —	— —	— —
R-H	0 3	0 5	0 2	0 5	0 9	0 1	0 0
	— —	— —	— —	— —	— —	— —	— —
R-K	0 1	0 3	0 1	0 5	0 9	0 1	0 0
	— —	— —	— —	— —	— —	— —	— —
I-J	2 4	2 9	2 1	2 5	2 16	2 1	2 0
	1.0 0.047	0.6 0.504	0.5 0.937	1.0 0.038	0.6 0.315	1.0 0.201	— —
I-H	1 2	1 4	1 1	1 5	1 9	1 1	1 0
	1.0 0.201	1.0 0.150	1.0 0.289	1.0 0.140	1.0 0.121	1.0 0.289	— —
I-K	1 2	1 3	1 1	1 5	1 9	1 1	1 0
	1.0 0.201	1.0 0.168	1.0 0.289	1.0 0.140	1.0 0.121	1.0 0.289	— —
J-H	29 35	29 12	29 11	29 12	29 22	29 1	29 0
	0.2 0.345	**0.2 0.917**	**0.2 0.988**	**0.3 0.264**	**0.2 0.576**	0.7 0.421	— —
J-K	4 10	4 10	4 4	4 12	4 22	4 1	4 0
	0.3 0.910	0.4 0.627	0.5 0.534	0.5 0.318	0.4 0.502	0.5 0.903	— —
H-K	4 10	4 8	4 4	4 12	4 21	4 1	4 0
	0.5 0.343	0.6 0.150	0.5 0.534	0.8 0.032	0.5 0.317	1.0 0.150	— —
M11	49 58	49 35	49 26	49 69	49 62	49 134	49 13
	0.4 0.001	**0.5 0.000**	**0.4 0.010**	**1.0 0.000**	**0.9 0.000**	**1.0 0.000**	**1.0 0.000**
Grt	80 67	80 43	80 29	80 89	80 74	80 46	80 37
	0.4 0.000	**0.6 0.000**	**0.6 0.000**	**0.9 0.000**	**0.5 0.000**	**0.7 0.000**	**0.8 0.000**
Hma	16 29	16 19	16 7	16 3	16 44	16 0	16 1
	0.5 0.004	**0.6 0.003**	**0.9 0.000**	1.0 0.004	**1.0 0.000**	— —	1.0 0.110
dia	16 29	16 19	16 7	16 3	16 44	16 0	16 1
	0.6 0.000	**0.5 0.026**	**0.9 0.000**	1.0 0.004	**0.9 0.000**	— —	1.0 0.110
pV	16 29	16 17	16 6	16 3	16 44	16 0	16 1
	0.4 0.022	**0.7 0.000**	**0.3 0.621**	0.9 0.008	**0.7 0.000**	— —	0.7 0.500

Table 6. (cont'd) KS-test

Colour	Classic Ht Scattered	Classic Ht Detached	Classic Ht J.Trojans	Classic Ht Centaurs	Classic Ht SP Comets	Classic Ht LP Comets
U-B	10 7	10 2	10 1	10 0	10 0	10 0
	0.5 0.176	0.5 0.630	1.0 0.118	— —	— —	— —
U-V	10 7	10 2	10 1	10 0	10 0	10 0
	0.5 0.176	0.5 0.630	0.5 0.872	— —	— —	— —
U-R	10 7	10 2	10 1	10 0	10 0	10 0
	0.5 0.176	0.4 0.866	0.6 0.689	— —	— —	— —
U-I	7 4	7 0	7 0	7 0	7 0	7 0
	0.6 0.250	— —	— —	— —	— —	— —
B-V	48 41	48 24	48 83	48 72	48 20	48 33
	0.3 0.008	**0.3 0.160**	**0.4 0.000**	**0.2 0.100**	**0.4 0.036**	**0.5 0.000**
B-R	47 43	47 25	47 83	47 74	47 20	47 32
	0.3 0.007	**0.3 0.153**	**0.5 0.000**	**0.2 0.149**	**0.3 0.052**	**0.5 0.000**
B-I	40 32	40 21	40 76	40 42	40 13	40 11
	0.3 0.031	**0.3 0.278**	**0.5 0.000**	**0.3 0.053**	**0.5 0.005**	**0.6 0.004**
B-J	1 4	1 2	1 5	1 9	1 1	1 0
	0.8 0.461	0.5 0.937	1.0 0.140	0.7 0.561	1.0 0.289	— —
B-H	1 4	1 2	1 5	1 9	1 1	1 0
	0.8 0.461	0.5 0.937	1.0 0.140	0.7 0.561	1.0 0.289	— —
B-K	1 2	1 1	1 5	1 9	1 1	1 0
	1.0 0.201	1.0 0.289	1.0 0.140	0.7 0.561	1.0 0.289	— —
V-R	55 41	55 26	55 89	55 74	55 46	55 36
	0.3 0.052	**0.2 0.311**	**0.6 0.000**	**0.2 0.378**	**0.3 0.020**	**0.5 0.000**
V-I	60 34	60 26	60 82	60 47	60 23	60 15
	0.4 0.004	**0.3 0.073**	**0.6 0.000**	**0.3 0.025**	**0.5 0.000**	**0.5 0.001**
V-J	13 9	13 4	13 12	13 11	13 1	13 0
	0.3 0.505	0.3 0.915	**0.5 0.033**	**0.3 0.541**	0.5 0.800	— —
V-H	6 7	6 4	6 12	6 11	6 1	6 0
	0.4 0.700	0.2 0.991	**0.3 0.669**	**0.3 0.791**	0.5 0.887	— —
V-K	6 5	6 3	6 12	6 11	6 1	6 0
	0.5 0.454	0.3 0.935	**0.2 0.929**	**0.5 0.229**	0.5 0.887	— —
R-I	44 30	44 23	44 82	44 47	44 24	44 15
	0.2 0.206	**0.3 0.237**	**0.6 0.000**	**0.3 0.033**	**0.4 0.004**	**0.5 0.004**
R-J	3 5	3 2	3 5	3 9	3 1	3 0
	0.6 0.338	1.0 0.063	1.0 0.014	0.4 0.623	1.0 0.168	— —
R-H	3 5	3 2	3 5	3 9	3 1	3 0
	0.4 0.825	1.0 0.063	1.0 0.014	0.6 0.339	1.0 0.168	— —
R-K	1 3	1 1	1 5	1 9	1 1	1 0
	1.0 0.168	1.0 0.289	0.8 0.362	0.6 0.779	1.0 0.289	— —
I-J	4 9	4 1	4 5	4 16	4 1	4 0
	0.9 0.009	1.0 0.150	0.6 0.357	0.6 0.171	0.5 0.903	— —
I-H	2 4	2 1	2 5	2 9	2 1	2 0
	0.5 0.736	0.5 0.937	0.6 0.474	0.7 0.281	1.0 0.201	— —
I-K	2 3	2 1	2 5	2 9	2 1	2 0
	0.7 0.425	1.0 0.201	0.4 0.909	0.4 0.776	0.5 0.937	— —
J-H	35 12	35 11	35 12	35 22	35 1	35 0
	0.3 0.364	**0.3 0.596**	**0.3 0.282**	**0.2 0.635**	0.6 0.601	— —
J-K	10 10	10 4	10 12	10 22	10 1	10 0
	0.3 0.675	0.3 0.910	**0.6 0.036**	**0.3 0.654**	0.6 0.689	— —
H-K	10 8	10 4	10 12	10 21	10 1	10 0
	0.3 0.642	0.4 0.782	**0.6 0.022**	**0.2 0.779**	0.6 0.689	— —
M11	58 35	58 26	58 69	58 62	58 134	58 13
	0.4 0.001	**0.1 0.921**	**0.9 0.000**	**0.8 0.000**	**1.0 0.000**	**1.0 0.000**
Grt	67 43	67 29	67 89	67 74	67 46	67 37
	0.4 0.001	**0.3 0.092**	**0.6 0.000**	**0.2 0.065**	**0.4 0.001**	**0.5 0.000**
Hma	29 19	29 7	29 3	29 44	29 0	29 1
	0.6 0.000	**0.4 0.219**	1.0 0.002	**0.9 0.000**	— —	1.0 0.104
dia	29 19	29 7	29 3	29 44	29 0	29 1
	0.6 0.000	**0.4 0.326**	1.0 0.002	**0.9 0.000**	— —	1.0 0.104
pV	29 17	29 6	29 3	29 44	29 0	29 1
	0.3 0.190	**0.5 0.086**	0.6 0.257	**0.3 0.022**	— —	0.5 0.824

Table 6. (cont'd) KS-test

Colour	Scattered Detached	Scattered J.Trojans	Scattered Centaurs	Scattered SP Comets	Scattered LP Comets
U-B	7 2	7 1	7 0	7 0	7 0
	0.5 0.665	1.0 0.128	— —	— —	— —
U-V	7 2	7 1	7 0	7 0	7 0
	0.9 0.089	0.9 0.264	— —	— —	— —
U-R	7 2	7 1	7 0	7 0	7 0
	0.9 0.089	1.0 0.128	— —	— —	— —
U-I	4 0	4 0	4 0	4 0	4 0
	— —	— —	— —	— —	— —
B-V	41 24	41 83	41 72	41 20	41 33
	0.3 0.153	**0.4 0.001**	**0.2 0.433**	**0.2 0.707**	**0.3 0.068**
B-R	43 25	43 83	43 74	43 20	43 32
	0.3 0.052	**0.5 0.000**	**0.2 0.239**	**0.2 0.835**	**0.4 0.008**
B-I	32 21	32 76	32 42	32 13	32 11
	0.3 0.187	**0.5 0.000**	**0.2 0.664**	**0.2 0.712**	**0.6 0.001**
B-J	4 2	4 5	4 9	4 1	4 0
	0.5 0.736	0.8 0.082	0.5 0.296	0.8 0.461	— —
B-H	4 2	4 5	4 9	4 1	4 0
	0.5 0.736	1.0 0.007	0.4 0.592	1.0 0.150	— —
B-K	2 1	2 5	2 9	2 1	2 0
	1.0 0.201	1.0 0.038	0.8 0.139	1.0 0.201	— —
V-R	41 26	41 89	41 74	41 46	41 36
	0.2 0.707	**0.5 0.000**	**0.2 0.243**	**0.1 0.948**	**0.4 0.012**
V-I	34 26	34 82	34 47	34 23	34 15
	0.2 0.299	**0.5 0.000**	**0.1 0.762**	**0.2 0.432**	**0.5 0.010**
V-J	9 4	9 12	9 11	9 1	9 0
	0.3 0.907	**0.4 0.192**	**0.2 0.991**	0.6 0.779	— —
V-H	7 4	7 12	7 11	7 1	7 0
	0.4 0.811	**0.6 0.068**	**0.2 0.982**	0.9 0.264	— —
V-K	5 3	5 12	5 11	5 1	5 0
	0.5 0.657	0.6 0.095	0.2 0.975	0.8 0.362	— —
R-I	30 23	30 82	30 47	30 24	30 15
	0.1 0.970	**0.5 0.000**	**0.2 0.622**	**0.4 0.049**	**0.4 0.104**
R-J	5 2	5 5	5 9	5 1	5 0
	0.4 0.909	0.8 0.036	0.4 0.634	0.8 0.362	— —
R-H	5 2	5 5	5 9	5 1	5 0
	0.6 0.474	0.8 0.036	0.3 0.779	1.0 0.140	— —
R-K	3 1	3 5	3 9	3 1	3 0
	1.0 0.168	1.0 0.014	0.8 0.062	1.0 0.168	— —
I-J	9 1	9 5	9 16	9 1	9 0
	0.7 0.561	0.9 0.004	**0.4 0.236**	0.9 0.217	— —
I-H	4 1	4 5	4 9	4 1	4 0
	0.5 0.903	0.6 0.357	0.5 0.359	0.8 0.461	— —
I-K	3 1	3 5	3 9	3 1	3 0
	0.7 0.641	0.5 0.657	0.6 0.339	0.7 0.641	— —
J-H	12 11	12 12	12 22	12 1	12 0
	0.2 0.947	**0.3 0.786**	**0.3 0.612**	0.8 0.398	— —
J-K	10 4	10 12	10 22	10 1	10 0
	0.4 0.627	**0.5 0.107**	**0.2 0.975**	0.6 0.689	— —
H-K	8 4	8 12	8 21	8 1	8 0
	0.4 0.740	**0.6 0.026**	**0.2 0.825**	0.6 0.649	— —
M11	35 26	35 69	35 62	35 134	35 13
	0.5 0.000	**0.8 0.000**	**0.6 0.000**	**1.0 0.000**	**0.9 0.000**
Grt	43 29	43 89	43 74	43 46	43 37
	0.2 0.247	**0.5 0.000**	**0.2 0.332**	**0.2 0.235**	**0.4 0.008**
Hma	19 7	19 3	19 44	19 0	19 1
	0.8 0.001	0.7 0.097	**0.5 0.003**	— —	0.7 0.502
dia	19 7	19 3	19 44	19 0	19 1
	0.9 0.000	0.7 0.097	**0.6 0.000**	— —	0.7 0.502
pV	17 6	17 3	17 44	17 0	17 1
	0.7 0.010	0.5 0.428	**0.1 0.980**	— —	0.8 0.364

Table 6. (cont'd) KS-test

Colour	Detached J.Trojans	Detached Centaurs	Detached SP Comets	Detached LP Comets
U-B	2 1	2 0	2 0	2 0
	0.5 0.937	— —	— —	— —
U-V	2 1	2 0	2 0	2 0
	1.0 0.201	— —	— —	— —
U-R	2 1	2 0	2 0	2 0
	1.0 0.201	— —	— —	— —
U-I	0 0	0 0	0 0	0 0
	— —	— —	— —	— —
B-V	24 83	24 72	24 20	24 33
	0.4 0.001	**0.3 0.137**	**0.3 0.233**	**0.5 0.003**
B-R	25 83	25 74	25 20	25 32
	0.5 0.000	**0.2 0.359**	**0.3 0.142**	**0.5 0.003**
B-I	21 76	21 42	21 13	21 11
	0.6 0.000	**0.4 0.014**	**0.4 0.134**	**0.8 0.000**
B-J	2 5	2 9	2 1	2 0
	1.0 0.038	0.4 0.776	1.0 0.201	— —
B-H	2 5	2 9	2 1	2 0
	1.0 0.038	0.6 0.504	1.0 0.201	— —
B-K	1 5	1 9	1 1	1 0
	1.0 0.140	0.8 0.364	1.0 0.289	— —
V-R	26 89	26 74	26 46	26 36
	0.6 0.000	**0.1 0.747**	**0.2 0.438**	**0.5 0.001**
V-I	26 82	26 47	26 23	26 15
	0.6 0.000	**0.2 0.264**	**0.3 0.094**	**0.5 0.007**
V-J	4 12	4 11	4 1	4 0
	0.4 0.547	0.4 0.656	0.8 0.461	— —
V-H	4 12	4 11	4 1	4 0
	0.2 0.976	0.2 0.978	0.8 0.461	— —
V-K	3 12	3 11	3 1	3 0
	0.3 0.890	0.5 0.485	0.7 0.641	— —
R-I	23 82	23 47	23 24	23 15
	0.6 0.000	**0.2 0.502**	**0.4 0.028**	**0.5 0.031**
R-J	2 5	2 9	2 1	2 0
	1.0 0.038	0.7 0.281	1.0 0.201	— —
R-H	2 5	2 9	2 1	2 0
	1.0 0.038	0.8 0.139	1.0 0.201	— —
R-K	1 5	1 9	1 1	1 0
	1.0 0.140	0.7 0.561	1.0 0.289	— —
I-J	1 5	1 16	1 1	1 0
	1.0 0.140	0.8 0.294	1.0 0.289	— —
I-H	1 5	1 9	1 1	1 0
	0.8 0.362	0.7 0.561	1.0 0.289	— —
I-K	1 5	1 9	1 1	1 0
	0.6 0.724	0.6 0.779	1.0 0.289	— —
J-H	11 12	11 22	11 1	11 0
	0.4 0.222	**0.2 0.948**	0.8 0.297	— —
J-K	4 12	4 22	4 1	4 0
	0.6 0.165	0.2 0.961	0.8 0.461	— —
H-K	4 12	4 21	4 1	4 0
	0.5 0.318	0.2 0.996	0.8 0.461	— —
M11	26 69	26 62	26 134	26 13
	0.9 0.000	**0.9 0.000**	**1.0 0.000**	**1.0 0.000**
Grt	29 89	29 74	29 46	29 37
	0.6 0.000	**0.2 0.590**	**0.2 0.220**	**0.5 0.001**
Hma	7 3	7 44	7 0	7 1
	1.0 0.009	**1.0 0.000**	— —	1.0 0.128
dia	7 3	7 44	7 0	7 1
	1.0 0.009	**1.0 0.000**	— —	1.0 0.128
pV	6 3	6 44	6 0	6 1
	1.0 0.011	**0.7 0.005**	— —	0.8 0.303

Table 6. (cont'd) KS-test

Colour	J.Trojans Centaurs	J.Trojans SP Comets	J.Trojans LP Comets
U-B	1 0	1 0	1 0
	— —	— —	— —
U-V	1 0	1 0	1 0
	— —	— —	— —
U-R	1 0	1 0	1 0
	— —	— —	— —
U-I	0 0	0 0	0 0
	— —	— —	— —
B-V	83 72	83 20	83 33
	0.3 0.008	**0.4 0.010**	**0.3 0.031**
B-R	83 74	83 20	83 32
	0.4 0.000	**0.5 0.000**	**0.2 0.145**
B-I	76 42	76 13	76 11
	0.5 0.000	**0.5 0.003**	**0.3 0.230**
B-J	5 9	5 1	5 0
	0.8 0.018	1.0 0.140	— —
B-H	5 9	5 1	5 0
	0.8 0.018	0.6 0.724	— —
B-K	5 9	5 1	5 0
	0.7 0.049	0.6 0.724	— —
V-R	89 74	89 46	89 36
	0.5 0.000	**0.4 0.000**	**0.2 0.543**
V-I	82 47	82 23	82 15
	0.5 0.000	**0.4 0.001**	**0.3 0.274**
V-J	12 11	12 1	12 0
	0.4 0.326	0.7 0.549	— —
V-H	12 11	12 1	12 0
	0.4 0.351	0.6 0.716	— —
V-K	12 11	12 1	12 0
	0.4 0.303	0.6 0.716	— —
R-I	82 47	82 24	82 15
	0.5 0.000	**0.3 0.120**	**0.2 0.645**
R-J	5 9	5 1	5 0
	0.6 0.148	0.8 0.362	— —
R-H	5 9	5 1	5 0
	0.7 0.063	0.6 0.724	— —
R-K	5 9	5 1	5 0
	0.7 0.049	0.6 0.724	— —
I-J	5 16	5 1	5 0
	0.7 0.032	0.8 0.362	— —
I-H	5 9	5 1	5 0
	0.5 0.309	0.6 0.724	— —
I-K	5 9	5 1	5 0
	0.2 0.974	0.6 0.724	— —
J-H	12 22	12 1	12 0
	0.4 0.109	0.8 0.274	— —
J-K	12 22	12 1	12 0
	0.5 0.055	0.7 0.549	— —
H-K	12 21	12 1	12 0
	0.5 0.041	0.6 0.716	— —
M11	69 62	69 134	69 13
	0.4 0.000	**0.9 0.000**	**0.5 0.011**
Grt	89 74	89 46	89 37
	0.5 0.000	**0.4 0.000**	**0.2 0.425**
Hma	3 44	3 0	3 1
	0.3 0.856	— —	0.7 0.641
dia	3 44	3 0	3 1
	0.3 0.815	— —	0.7 0.641
pV	3 44	3 0	3 1
	0.5 0.389	— —	1.0 0.168

Table 6. (cont'd) KS-test

Colour	Centaurs SP Comets	Centaurs LP Comets
U-B	0 0	0 0
	— —	— —
U-V	0 0	0 0
	— —	— —
U-R	0 0	0 0
	— —	— —
U-I	0 0	0 0
	— —	— —
B-V	72 20	72 33
	0.2 0.255	**0.3 0.010**
B-R	74 20	74 32
	0.3 0.121	**0.4 0.002**
B-I	42 13	42 11
	0.3 0.442	**0.6 0.005**
B-J	9 1	9 0
	0.8 0.364	— —
B-H	9 1	9 0
	0.9 0.217	— —
B-K	9 1	9 0
	0.9 0.217	— —
V-R	74 46	74 36
	0.2 0.080	**0.4 0.000**
V-I	47 23	47 15
	0.3 0.228	**0.4 0.018**
V-J	11 1	11 0
	0.6 0.612	— —
V-H	11 1	11 0
	0.7 0.440	— —
V-K	11 1	11 0
	0.8 0.297	— —
R-I	47 24	47 15
	0.3 0.053	**0.4 0.090**
R-J	9 1	9 0
	0.7 0.561	— —
R-H	9 1	9 0
	0.9 0.217	— —
R-K	9 1	9 0
	0.9 0.217	— —
I-J	16 1	16 0
	0.6 0.749	— —
I-H	9 1	9 0
	0.8 0.364	— —
I-K	9 1	9 0
	0.6 0.779	— —
J-H	22 1	22 0
	0.7 0.420	— —
J-K	22 1	22 0
	0.5 0.857	— —
H-K	21 1	21 0
	0.6 0.629	— —
M11	62 134	62 13
	0.9 0.000	**0.5 0.010**
Grt	74 46	74 37
	0.2 0.107	**0.4 0.001**
Hma	44 0	44 1
	— —	0.6 0.629
dia	44 0	44 1
	— —	0.5 0.811
pV	44 0	44 1
	— —	0.8 0.303

Table 6. T-Test (*t* and *Prob*) for the colours of the TEST classes: are the mean colours compatible?

Color	Odd-Even	99-non99
U-B	3 2	0 5
	-1.5 0.247	— —
U-V	3 2	0 5
	-1.9 0.163	— —
U-R	3 2	0 5
	-1.7 0.189	— —
B-V	30 30	4 56
	0.1 0.940	1.6 0.193
B-R	31 31	4 58
	0.4 0.658	3.1 0.018
B-I	22 21	3 40
	-0.1 0.955	0.6 0.558
B-J	2 2	0 4
	0.2 0.878	— —
B-H	2 2	0 4
	0.3 0.835	— —
V-R	37 36	5 68
	-0.0 0.984	2.0 0.102
V-I	50 49	7 92
	0.7 0.477	**1.9 0.095**
V-J	5 4	0 9
	0.3 0.760	— —
V-H	3 2	0 5
	0.6 0.655	— —
V-K	2 2	0 4
	4.1 0.148	— —
R-I	30 29	4 55
	0.1 0.941	-1.4 0.227
I-J	4 4	0 8
	-2.7 0.036	— —
I-H	3 2	0 5
	-3.1 0.071	— —
I-K	3 2	0 5
	-3.2 0.078	— —
J-H	21 21	5 37
	0.4 0.684	-1.0 0.351
J-K	5 4	0 9
	-1.4 0.224	— —
H-K	4 4	0 8
	-0.9 0.407	— —
M11	37 37	5 69
	1.8 0.078	2.0 0.059
Grt	54 54	8 100
	0.2 0.841	**1.9 0.093**
Hma	10 10	0 20
	0.7 0.473	— —
dia	10 10	0 20
	-0.3 0.748	— —
pV	10 10	0 20
	-1.0 0.313	— —

Table 7. F-Test for the colours of the TEST classes: are the colour variances compatible?

Color	Odd-Even	99-non99
U-B	3 2	0 5
	1.1 0.879	— —
U-V	3 2	0 5
	2.1 0.876	— —
U-R	3 2	0 5
	2.2 0.868	— —
B-V	30 30	4 56
	1.4 0.380	2.0 0.648
B-R	31 31	4 58
	1.4 0.360	7.3 0.124
B-I	22 21	3 40
	1.3 0.562	4.2 0.425
B-J	2 2	0 4
	63.3 0.159	— —
B-H	2 2	0 4
	20.1 0.280	— —
V-R	37 36	5 68
	1.2 0.570	1.4 0.812
V-I	50 49	7 92
	1.6 0.087	**2.8 0.192**
V-J	5 4	0 9
	2.7 0.365	— —
V-H	3 2	0 5
	5.8 0.275	— —
V-K	2 2	0 4
	116.9 0.117	— —
R-I	30 29	4 55
	1.1 0.749	2.2 0.560
I-J	4 4	0 8
	1.2 0.882	— —
I-H	3 2	0 5
	13.5 0.377	— —
I-K	3 2	0 5
	63.7 0.176	— —
J-H	21 21	5 37
	2.4 0.059	1.8 0.302
J-K	5 4	0 9
	4.9 0.221	— —
H-K	4 4	0 8
	2.5 0.472	— —
M11	37 37	5 69
	1.1 0.714	13.1 0.022
Grt	54 54	8 100
	1.4 0.257	**2.5 0.200**
Hma	10 10	0 20
	2.1 0.291	— —
dia	10 10	0 20
	2.6 0.171	— —
pV	10 10	0 20
	1.0 0.962	— —

Table 8. KS Test for the colours of the TEST classes: are the distribution compatible?

Color	Odd-Even	99-non99
U-B	3 2	0 5
	0.7 0.425	— —
U-V	3 2	0 5
	0.7 0.425	— —
U-R	3 2	0 5
	0.7 0.425	— —
U-I	2 1	0 3
	1.0 0.201	— —
B-V	30 30	4 56
	0.2 0.760	0.6 0.109
B-R	31 31	4 58
	0.2 0.778	0.5 0.215
B-I	22 21	3 40
	0.2 0.639	0.3 0.880
B-J	2 2	0 4
	0.5 0.844	— —
B-H	2 2	0 4
	0.5 0.844	— —
B-K	2 1	0 3
	0.5 0.937	— —
V-R	37 36	5 68
	0.1 0.954	0.5 0.146
V-I	50 49	7 92
	0.1 0.815	**0.3 0.420**
V-J	5 4	0 9
	0.2 0.994	— —
V-H	3 2	0 5
	0.5 0.780	— —
V-K	2 2	0 4
	1.0 0.097	— —
R-I	30 29	4 55
	0.1 0.967	0.4 0.366
R-J	2 1	0 3
	0.5 0.937	— —
R-H	2 1	0 3
	0.5 0.937	— —
R-K	1 1	0 2
	1.0 0.289	— —
I-J	4 4	0 8
	0.8 0.107	— —
I-H	3 2	0 5
	1.0 0.063	— —
I-K	3 2	0 5
	1.0 0.063	— —
J-H	21 21	5 37
	0.1 0.973	0.3 0.568
J-K	5 4	0 9
	0.8 0.053	— —
H-K	4 4	0 8
	0.5 0.534	— —
M11	37 37	5 69
	0.3 0.111	0.4 0.377
Grt	54 54	8 100
	0.1 0.938	**0.3 0.382**
Hma	10 10	0 20
	0.3 0.675	— —
dia	10 10	0 20
	0.2 0.975	— —
pV	10 10	0 20
	0.3 0.675	— —

Table 9. List of the references used in this study, and number of epochs, sorted by object [photRef.tex from tnoAverage]

Object	References	Nr.
	0	
C/1983H1-IA	Lamy et al. (2004)	1
C/1983J1-SS	Lamy et al. (2004)	1
C/1984K1-Shoemak	Lamy et al. (2004)	1
C/1984U1-Shoemak	Lamy et al. (2004)	1
C/1986P1-Wilson	Lamy et al. (2004)	1
C/1987A1-Levy	Lamy et al. (2004)	1
C/1987H1-Shoemak	Lamy et al. (2004)	1
C/1988B1-Shoemak	Lamy et al. (2004)	1
C/1988C1-MP	Lamy et al. (2004)	1
C/1995O1-HB	Lamy & Toth (2009)	
	Lamy et al. (2004)	2
C/1996B2-Hyakuta	Lamy et al. (2004)	1
C/1999J2	Meech et al. (2009)	11
C/1999S4-LINEAR	Lamy et al. (2004)	1
C/2000B4	Bauer et al. (2003)	6
C/2001G1	Meech et al. (2009)	2
C/2001M10	Jewitt (2009)	2
C/2001M10-NEAT	–	0
C/2001O1	Meech et al. (2009)	1
C/2001OG108-LONE	Lamy et al. (2004)	1
C/2001Q1	Meech et al. (2009)	2
C/2002CE10-LINEA	Jewitt (2005)	2
C/2002VQ94-LINEA	Jewitt (2005)	1
C/2003A2	Meech et al. (2009)	4
C/2003A2-Gleason	Jewitt (2015)	1
C/2004D1-NEAT	Jewitt (2015)	1
C/2006S3-Loneos	Jewitt (2015)	1
C/2007D1-LINEAR	Jewitt (2015)	1
C/2008S3-Boattin	Jewitt (2015)	2
C/2009T1-McNaugh	Jewitt (2015)	1
C/2010D4-WISE	Jewitt (2015)	1
C/2010DG56-WISE	Jewitt (2015)	1
C/2010KW7	Bauer et al. (2013)	1
C/2010L3-Catalin	Jewitt (2015)	1
C/2010U3-Boattin	Jewitt (2015)	3
C/2011KP36	Bauer et al. (2013)	1
C/2011P2-PANSTAR	Jewitt (2015)	3
C/2011Q1-PANSTAR	Jewitt (2015)	2
C/2012A1-PANSTAR	Jewitt (2015)	1
C/2012E1-Hill	Jewitt (2015)	1
C/2012K8-Lemmon	Jewitt (2015)	1
C/2012LP26-Palom	Jewitt (2015)	3
C/2012Q1-Kowalsk	Jewitt (2015)	6
C/2013C2	Jewitt (2015)	4
C/2013E1-McNaugh	Jewitt (2015)	1
C/2013H2-Boattin	Jewitt (2015)	1
C/2013P3-Palomar	Jewitt (2015)	1
C/2013P4	Jewitt (2015)	3
C/2014AA52-CATAL	Jewitt (2015)	1
C/2014B1-Schwarz	Jewitt (2015)	1
C/2014R1-Borisov	Jewitt (2015)	1
C/2014W6-Catalin	Jewitt (2015)	1
C/2014XB8-PANSTA	Jewitt (2015)	1
C/2015B1-PANSTAR	Jewitt (2015)	1
Nereid	Rabinowitz et al. (2007)	1
P/1991L3-Levy	Lamy et al. (2004)	1
P/1993W1-Mueller	Lamy et al. (2004)	1
P/1994A1-Kushida	Lamy et al. (2004)	1
P/1994J3-Shoemak	Lamy et al. (2004)	1
P/1995A1-Jedicke	Lamy et al. (2004)	1
P/1996A1-Jedicke	Lamy et al. (2004)	1
P/1997C1-Gehrels	Lamy et al. (2004)	1
P/1997G1-Montani	Lamy et al. (2004)	1
P/1997V1-Larsen	Lamy et al. (2004)	1
P/1998S1-LM	Lamy et al. (2004)	1
P/1999D1-Hermann	Lamy et al. (2004)	1
P/1999RO28-LONEO	Lamy et al. (2004)	1
P/2004A1	Jewitt (2009)	1
P/2004A1-Loneos	–	0
P/2005S2-Skiff	–	0
P/2005T3-Read	–	0
P/2011S1-Gibbs	Jewitt (2015)	1
Phoebe	Lellouch et al. (2013)	1
Sycorax	Lellouch et al. (2013)	1
1P/Halley	Lamy et al. (2004)	
	Keller & Thomas (1989)	2
2P/Encke	Jewitt (2002)	
	Meech et al. (2004)	
	Lamy et al. (2004)	
	Luu & Jewitt (1990)	6
4P/Faye	Lamy et al. (2004)	
	Lamy & Toth (2009)	2

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
6P/dArrest	Meech et al. (2004)	
	Jewitt (2002)	
	Lamy et al. (2004)	3
7P/PW	Snodgrass et al. (2005)	
	Lamy et al. (2004)	2
8P/Tuttle	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
9P/Tempel1	Meech et al. (2004)	
	Lamy et al. (2004)	14
10P/Tempel2	Jewitt & Luu (1989)	
	Meech et al. (2004)	
	Lamy et al. (2004)	
	Jewitt & Meech (1988)	
	Lamy & Toth (2009)	10
14P/Wolf	Snodgrass et al. (2005)	
	Lamy et al. (2004)	2
15P/Finlay	Lamy et al. (2004)	1
16P/Brooks2	Lamy et al. (2004)	1
17P/Holmes	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
19P/Borrelly	Lamy et al. (2004)	1
21P/GZ	Lamy et al. (2004)	
	Luu (1993)	2
22P/Kopff	Meech et al. (2004)	
	Lamy et al. (2004)	
	Lamy et al. (2002)	
	Lamy & Toth (2009)	4
24P/Schaumasse	Lamy et al. (2004)	1
26P/GS	Boehnhardt et al. (1999)	
	Lamy et al. (2004)	2
28P/Neujmin1	Jewitt & Meech (1988)	
	Delahodde et al. (2001)	
	Meech et al. (2004)	
	Lamy et al. (2004)	
	Campins et al. (1987)	11
30P/Reinmuth1	Lamy et al. (2004)	1
31P/SW2	Lamy et al. (2004)	1
32P/ComasSola	Lamy et al. (2004)	1
33P/Daniel	Lamy et al. (2004)	1
36P/Whipple	Lamy et al. (2004)	1
37P/Forbes	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
39P/Oterma	Bauer et al. (2003)	
	Jewitt (2009)	
	Lamy et al. (2004)	3
40P/Vaisala1	Lamy et al. (2004)	1
41P/TG	Lamy et al. (2004)	1
42P/Neujmin3	Lamy et al. (2004)	1
43P/WH	Lamy et al. (2004)	1
44P/Reinmuth2	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
45P/HMP	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
46P/Wirtanen	Meech et al. (2004)	
	Lamy et al. (2004)	
	Lamy & Toth (2009)	3
47P/AJ	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
48P/Johnson	Lamy et al. (2004)	1
49P/AR	Lowry et al. (2003)	
	Lamy et al. (2004)	
	Millis et al. (1988)	3
50P/Arend	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
51P/Harrington	Lamy et al. (2004)	1
52P/HA	Lamy et al. (2004)	1
53P/VanBiesbroec	Meech et al. (2004)	
	Lamy et al. (2004)	2
55P/TT	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
56P/SB	Lamy et al. (2004)	1
57P/dTND	Lamy et al. (2004)	1
58P/JN	Lamy et al. (2004)	1
59P/KK	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
60P/Tsuchinshan2	Lamy et al. (2004)	1
61P/SS	Lamy et al. (2004)	1
62P/Tsuchinshan1	Lamy et al. (2004)	1
63P/Wild1	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
64P/SG	Lamy et al. (2004)	1

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
65P/Gunn	Lamy et al. (2004)	1
67P/CG	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
68P/Klemola	Lamy et al. (2004)	1
69P/Taylor	Lamy et al. (2004)	1
70P/Kojima	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
71P/Clark	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
72P/DF	Lamy et al. (2004)	1
73P/SW3	Boehnhardt et al. (1999)	1
73P/SW3C	Lamy et al. (2004)	1
74P/SC	Lamy et al. (2004)	1
75P/Kohoutek	Lamy et al. (2004)	1
76P/WKI	Lamy et al. (2004)	1
77P/Longmore	Lamy et al. (2004)	1
78P/Gehrels2	Lamy et al. (2004)	1
79P/dTH	Lamy et al. (2004)	1
81P/Wild2	Lamy et al. (2004)	1
82P/Gehrels3	Lamy et al. (2004)	1
84P/Giclas	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
86P/Wild3	Meech et al. (2004)	
	Lamy et al. (2004)	
	Lamy & Toth (2009)	3
87P/Bus	Meech et al. (2004)	
	Lamy et al. (2004)	2
88P/Howell	Lamy et al. (2004)	1
89P/Russell2	Lamy et al. (2004)	1
90P/Gehrels1	Lamy et al. (2004)	1
91P/Russell3	Lamy et al. (2004)	1
92P/Sanguin	Snodgrass et al. (2005)	
	Lamy et al. (2004)	2
93P/HL	Meech et al. (2004)	1
94P/Russell4	Lamy et al. (2004)	1
96P/Machholz1	Meech et al. (2004)	
	Lamy et al. (2004)	2
97P/MB	Lamy et al. (2004)	1
98P/Takamizawa	Lamy et al. (2004)	1
99P/Kowal1	Lamy et al. (2004)	1
100P/Hartley1	Lamy et al. (2004)	1
101P/Chernykh	Lamy et al. (2004)	1
103P/Hartley2	Lamy et al. (2004)	1
104P/Kowal2	Lamy et al. (2004)	1
105P/SB	Lamy et al. (2004)	1
106P/Schuster	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
107P/WH	Meech et al. (2004)	
	Lowry & Weissman (2003)	
	Lamy et al. (2004)	
	Chamberlin et al. (1996)	6
109P/ST	Green et al. (1997)	
	Lamy et al. (2004)	2
110P/Hartley3	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
111P/HRC	Lamy et al. (2004)	1
112P/UN	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
113P/Spitaler	Lamy et al. (2004)	1
114P/WS	Lamy et al. (2004)	
	Lamy & Toth (2009)	2
115P/Maury	Lamy et al. (2004)	1
116P/Wild4	Lamy et al. (2004)	1
117P/HRA	Lamy et al. (2004)	1
118P/SL	Lamy et al. (2004)	1
119P/PH	Lamy et al. (2004)	1
120P/Mueller1	Lamy et al. (2004)	1
121P/SH	Lamy et al. (2004)	1
123P/WH	Lamy et al. (2004)	1
124P/Mrkos	Lamy et al. (2004)	1
125P/Spacewatch	Lamy et al. (2004)	1
126P/IRAS	Lamy et al. (2004)	1
128P/SH	Lamy et al. (2004)	1
129P/SL	Lamy et al. (2004)	1
130P/McNH	Lamy et al. (2004)	1
131P/Mueller2	Lamy et al. (2004)	1
132P/HRA	Lamy et al. (2004)	1
134P/KV	Lamy et al. (2004)	1
135P/SL	Lamy et al. (2004)	1
136P/Mueller3	Lamy et al. (2004)	1
137P/SL	Lamy et al. (2004)	1

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
138P/SL	Lamy et al. (2004)	1
139P/VO	Lamy et al. (2004)	1
140P/BS	Lamy et al. (2004)	1
141P/Machholz2	Lamy et al. (2004)	1
143P/KM	Jewitt (2002)	
	Jewitt et al. (2003)	
	Lamy et al. (2004)	5
144P/Kushida	Lamy et al. (2004)	1
147P/KM	Lamy et al. (2004)	1
148P/AL	Lamy et al. (2004)	1
152P/HL	Lamy et al. (2004)	1
154P/Brewington	Lamy et al. (2004)	1
165P/LINEAR	–	0
166P/2001T4	Jewitt (2009)	2
166P/NEAT	Jewitt (2015)	1
167P/2004PY42	Bauer et al. (2013)	1
167P/CINEOS	Jewitt (2009)	
	Tegler et al. (2016)	
	Jewitt (2015)	5
204P/Wild2	Meech et al. (2004)	1
1172-Aneas	Fornasier et al. (2007)	2
1173-Anchises	Fornasier et al. (2007)	1
1647-Menelaus	Fornasier et al. (2007)	1
1871-Astyanax	Fornasier et al. (2007)	3
1994 ES_2	Green et al. (1997)	1
1994 EV_3	Boehnhardt et al. (2001)	
	Gil-Hutton & Licandro (2001)	
	Boehnhardt et al. (2002)	4
1994 TA	Tegler & Romanishin (2000)	
	Jewitt & Luu (2001)	2
1995 DB_2	Green et al. (1997)	
	Benecchi et al. (2011)	2
1995 DC_2	Green et al. (1997)	5
1995 FB_{21}	Green et al. (1997)	4
1995 HM_5	Romanishin & Tegler (1999)	
	Gil-Hutton & Licandro (2001)	
	Boehnhardt et al. (2001)	
	Benecchi et al. (2011)	
	Barucci et al. (2000)	
	Tegler & Romanishin (1998)	8
1996 KV_1	Benecchi et al. (2011)	1
1996 RQ_{20}	Romanishin & Tegler (1999)	
	Jewitt & Luu (2001)	
	Boehnhardt et al. (2001)	
	Delsanti et al. (2001)	
	Benecchi et al. (2011)	
	Tegler & Romanishin (1998)	7
1996 RR_{20}	Jewitt & Luu (2001)	
	Tegler & Romanishin (2000)	
	Boehnhardt et al. (2002)	
	Benecchi et al. (2011)	4
1996 TC_{68}	Gil-Hutton & Licandro (2001)	1
1996 TK_{66}	Tegler & Romanishin (2000)	
	Jewitt & Luu (2001)	
	Doressoundiram et al. (2002)	
	Benecchi et al. (2011)	4
1996 TS_{66}	Jewitt & Luu (1998)	
	Romanishin & Tegler (1999)	
	Davies et al. (2000)	
	Jewitt & Luu (2001)	
	Tegler & Romanishin (1998)	
	Vilenius et al. (2014)	8
1997 CT_{29}	Tegler & Romanishin (2000)	
	Benecchi et al. (2011)	
	Barucci et al. (2000)	4
1997 GA_{45}	Gladman et al. (1998)	1
1997 QH_4	Tegler & Romanishin (2000)	
	Jewitt & Luu (2001)	
	Delsanti et al. (2001)	
	Boehnhardt et al. (2002)	4
1997 RL_{13}	Gladman et al. (1998)	1
1997 RX_9	Gladman et al. (1998)	1
1998 FS_{144}	Tegler & Romanishin (2003)	
	Benecchi et al. (2011)	
	Barucci et al. (2000)	4
1998 HL_{151}	–	0
1998 KS_{65}	Tegler & Romanishin (2003)	
	Benecchi et al. (2011)	2
1998 KY_{61}	Benecchi et al. (2011)	1
1998 UR_{43}	Gil-Hutton & Licandro (2001)	
	Delsanti et al. (2001)	
	Benecchi et al. (2011)	4

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
1998 WS_{31}	Benecchi et al. (2011)	
	Peixinho et al. (2004)	2
1998 WU_{24}	Davies et al. (2001)	1
1998 WV_{24}	Tegler & Romanishin (2000)	
	Benecchi et al. (2011)	2
1998 WV_{31}	Delsanti et al. (2001)	
	Peixinho et al. (2004)	2
1998 WW_{31}	Benecchi et al. (2009)	1
1998 WW_{31}	Benecchi et al. (2009)	1
1998 WX_{24}	Tegler & Romanishin (2000)	
	Benecchi et al. (2011)	2
1998 WX_{31}	Delsanti et al. (2001)	
	Benecchi et al. (2011)	3
1998 WY_{24}	Benecchi et al. (2011)	2
1998 WZ_{31}	Benecchi et al. (2011)	
	Peixinho et al. (2004)	3
1999 CB_{119}	Peixinho et al. (2004)	1
1999 CF_{119}	Delsanti et al. (2001)	
	Benecchi et al. (2011)	3
1999 CH_{119}	Benecchi et al. (2011)	1
1999 CJ_{119}	Benecchi et al. (2011)	1
1999 CL_{119}	Peixinho et al. (2004)	
	Benecchi et al. (2011)	2
1999 CQ_{133}	Benecchi et al. (2011)	1
1999 CX_{131}	Benecchi et al. (2011)	
	Peixinho et al. (2004)	3
1999 HJ_{12}	Benecchi et al. (2011)	2
1999 HS_{11}	Tegler & Romanishin (2003)	
	Peixinho et al. (2004)	
	Doressoundiram et al. (2001)	3
1999 HV_{11}	Tegler & Romanishin (2003)	1
1999 LE_{31}	Jewitt (2005)	2
1999 OD_{4}	Benecchi et al. (2011)	1
1999 OH_{4}	Benecchi et al. (2011)	1
1999 OJ_{4}	Peixinho et al. (2004)	
	Benecchi et al. (2011)	
	Benecchi et al. (2009)	5
1999 OJ_{4}	Benecchi et al. (2009)	1
1999 OK_{4}	–	0
1999 RB_{215}	–	0
1999 RC_{215}	Benecchi et al. (2011)	2
1999 RT_{214}	Benecchi et al. (2009)	1
1999 RU_{214}	–	0
1999 RW_{215}	–	0
1999 RX_{214}	Peixinho et al. (2004)	
	Benecchi et al. (2011)	3
1999 TR_{11}	Tegler & Romanishin (2000)	
	Benecchi et al. (2011)	2
1999 XY_{143}	Benecchi et al. (2011)	1
2000 AF_{255}	Benecchi et al. (2011)	1
2000 CE_{105}	Benecchi et al. (2011)	2
2000 CF_{105}	Tegler et al. (2003)	
	Benecchi et al. (2011)	
	Benecchi et al. (2009)	6
2000 CF_{105}	Benecchi et al. (2009)	1
2000 CG_{105}	Benecchi et al. (2011)	2
2000 CK_{105}	Benecchi et al. (2011)	2
2000 CL_{104}	Boehnhardt et al. (2002)	
	Benecchi et al. (2011)	
	Peixinho et al. (2004)	4
2000 CO_{105}	Benecchi et al. (2011)	2
2000 CP_{104}	Benecchi et al. (2011)	2
2000 FS_{53}	Tegler & Romanishin (2003)	
	Benecchi et al. (2011)	2
2000 FV_{53}	Peixinho et al. (2004)	1
2000 FZ_{53}	Peixinho et al. (2004)	2
2000 GM_{137}	Duffard et al. (2014)	1
2000 GV_{146}	Benecchi et al. (2011)	1
2000 HE_{46}	Jewitt (2005)	1
2000 KK_{4}	McBride et al. (2003)	
	Tegler & Romanishin (2003)	
	Benecchi et al. (2011)	3
2000 KL_{4}	Benecchi et al. (2011)	1
2000 OP_{67}	–	0
2000 OU_{69}	Peixinho et al. (2004)	
	Benecchi et al. (2011)	3
2000 OX_{67}	–	0
2000 PD_{30}	Benecchi et al. (2011)	2
2000 PH_{30}	Benecchi et al. (2011)	1
2000 QL_{251}	Benecchi et al. (2009)	1
2000 QL_{251}	Benecchi et al. (2009)	1

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
2000 QN_{251}	–	0
2000 SR_{331}	–	0
2001 FL_{185}	Benecchi et al. (2009)	1
2001 FM_{194}	Tegler et al. (2003)	1
2001 KA_{77}	Doressoundiram et al. (2002)	
	Peixinho et al. (2004)	
	Doressoundiram et al. (2005b)	
	Vilenius et al. (2014)	5
2001 KD_{77}	Doressoundiram et al. (2002)	
	Peixinho et al. (2004)	
	Doressoundiram et al. (2007)	
	Benecchi et al. (2011)	
	Mommert et al. (2012)	10
2001 KG_{77}	Tegler et al. (2003)	1
2001 KY_{76}	Benecchi et al. (2011)	1
2001 OG_{109}	Benecchi et al. (2011)	1
2001 OK_{108}	Benecchi et al. (2011)	1
2001 QC_{298}	Benecchi et al. (2011)	
	Jewitt et al. (2007)	
	Benecchi et al. (2009)	
	Vilenius et al. (2014)	4
2001 QC_{298}	Benecchi et al. (2009)	1
2001 QE_{298}	–	0
2001 QR_{322}	Sheppard & Trujillo (2006)	1
2001 QS_{322}	Vilenius et al. (2014)	1
2001 QW_{322}	Petit et al. (2008)	28
2001 QW_{322}	Petit et al. (2008)	27
2001 QX_{322}	Tegler et al. (2003)	
	Benecchi et al. (2011)	
	Jewitt et al. (2007)	3
2001 UP_{18}	–	0
2001 XU_{254}	Benecchi et al. (2011)	1
2001 XZ_{255}	Jewitt (2015)	
	Tegler et al. (2003)	2
2002 CB_{249}	Peixinho et al. (2004)	1
2002 GH_{32}	Santos-Sanz et al. (2009)	
	Vilenius et al. (2014)	2
2002 GV_{32}	–	0
2002 GW_{32}	–	0
2002 PQ_{152}	Tegler et al. (2016)	1
2002 PU_{170}	–	0
2002 VD_{130}	–	0
2002 VV_{130}	–	0
2002 XV_{93}	Tegler et al. (2016)	
	Mommert et al. (2012)	3
2003 EL_{61c}	–	0
2003 FZ_{129}	Sheppard (2010a)	1
2003 HA_{57}	–	0
2003 HX_{56}	–	0
2003 LA_{7}	–	0
2003 QA_{92}	Romanishin et al. (2010)	1
2003 QD_{112}	Jewitt (2009)	1
2003 QK_{91}	Sheppard (2010a)	1
2003 QQ_{91}	Romanishin et al. (2010)	1
2003 QR_{91}	Vilenius et al. (2014)	1
2003 QX_{91}	–	0
2003 QY_{90}	Benecchi et al. (2009)	1
2003 QY_{90}	Benecchi et al. (2009)	1
2003 SQ_{317}	–	0
2003 TH_{58}	–	0
2003 TJ_{58}	Benecchi et al. (2009)	1
2003 TJ_{58}	Benecchi et al. (2009)	1
2003 UT_{292}	Mommert et al. (2012)	1
2003 UY_{291}	Sheppard (2010a)	1
2003 WN_{188}	Jewitt (2005)	1
2003 WU_{188}	Vilenius et al. (2014)	1
2003 YQ_{179}	–	0
2004 DA_{62}	Jewitt (2005)	1
2004 OJ_{14}	Sheppard (2010a)	1
2004 PB_{108}	Benecchi et al. (2009)	1
2004 PB_{108}	Benecchi et al. (2009)	1
2004 PW_{107}	–	0
2004 PY_{42}	–	0
2004 QQ_{26}	Duffard et al. (2014)	1
2004 TT_{357}	–	0
2004 TV_{357}	–	0
2004 TX_{357}	–	0
2004 UP_{10}	–	0
2004 XR_{190}	Sheppard (2010a)	1
2005 CA_{79}	–	0
2005 SE_{278}	–	0

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
2005 TN_{53}	Sheppard & Trujillo (2006)	1
2005 TN_{74}	–	0
2005 TO_{74}	–	0
2006 RJ_{103}	Peixinho et al. (2012)	
	Parker et al. (2013)	2
2007 NC_{7}	Peixinho et al. (2012)	1
2007 TJ_{422}	Tegler et al. (2016)	1
2007 VH_{305}	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Tegler et al. (2016)	
	Bauer et al. (2013)	5
2007 VL_{305}	–	0
2008 JS_{14}	Bauer et al. (2013)	1
2009 QV_{38}	–	0
2009 YG_{19}	Tegler et al. (2016)	1
2010 BK_{118}	Jewitt (2015)	
	Tegler et al. (2016)	
	Bauer et al. (2013)	4
2010 BL_{4}	Jewitt (2015)	
	Bauer et al. (2013)	2
2010 EK_{139}	–	0
2010 ES_{65}	Bauer et al. (2013)	1
2010 FH_{92}	Bauer et al. (2013)	1
2010 GW_{147}	Bauer et al. (2013)	1
2010 GW_{64}	Bauer et al. (2013)	1
2010 JH_{124}	Bauer et al. (2013)	1
2010 KW_{7}	–	0
2010 LG_{61}	–	0
2010 OM_{101}	Jewitt (2015)	2
2010 OR_{1}	Jewitt (2015)	2
2010 PO_{58}	–	0
2010 TS_{191}	Jewitt (2018)	1
2010 TT_{191}	Jewitt (2018)	1
2010 WG_{9}	Jewitt (2015)	
	Bauer et al. (2013)	
	Rabinowitz et al. (2013)	4
2011 HM_{102}	Parker et al. (2013)	1
2011 MM_{4}	Bauer et al. (2013)	1
2012 DR_{30}	Kiss et al. (2013)	3
2012 VP_{113}	Trujillo & Sheppard (2014)	2
2012 YO_{6}	Jewitt (2015)	1
2013 AZ_{60}	Jewitt (2015)	1
2013 BL_{76}	Jewitt (2015)	1
2013 BO_{16}	Tegler & Romanishin (2000)	1
2013 CB_{204}	–	0
2013 CX_{217}	Jewitt et al. (2007)	1
2013 CY_{197}	Sheppard (2010a)	1
2013 EZ_{75}	–	0
2013 KY_{18}	Jewitt (2018)	1
2013 LD_{16}	Jewitt (2015)	1
2013 NS_{11}	Jewitt (2015)	1
2013 RY_{98}	–	0
2013 ST_{39}	Bauer et al. (2013)	1
2013 TZ_{158}	Bauer et al. (2003)	
	Jewitt (2009)	
	Lamy et al. (2004)	
	Bauer et al. (2013)	4
2013 YG_{48}	Jewitt (2015)	2
2014 CW_{14}	Jewitt (2015)	1
2014 QO_{441}	Jewitt (2018)	1
2060-Chiron	Hartmann et al. (1981)	
	Davies et al. (1998)	
	Parker et al. (1997)	
	Jewitt (2002)	
	Bauer et al. (2003)	
	Romon-Martin et al. (2003)	
	Doressoundiram et al. (2007)	
	Fornasier et al. (2013)	
	Green et al. (1997)	36
2223-Sarpedon	Fornasier et al. (2007)	1
2357-Phereclos	Fornasier et al. (2007)	1
3548-Eurybates	Fornasier et al. (2007)	1
4035-1986 WD	Fornasier et al. (2007)	2
4829-Sergestus	Fornasier et al. (2007)	1
5130-Ilioneus	Fornasier et al. (2007)	1
5145-Pholus	Binzel (1992)	
	Mueller et al. (1992)	
	Davies et al. (1993)	
	Davies et al. (1998)	
	Romanishin & Tegler (1999)	
	Weintraub et al. (1997)	
	Bauer et al. (2003)	
	Doressoundiram et al. (2007)	
	Fornasier et al. (2009)	
	Perna et al. (2010)	
	Buie & Bus (1992)	
	Davies (2000)	
	Duffard et al. (2014)	
	Fink et al. (1992)	
	Green et al. (1997)	
	Tegler & Romanishin (1998)	45

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
5244-Amphilochos	Fornasier et al. (2007)	1
5258-1989 AU_1	Fornasier et al. (2007)	1
5511-Cloanthus	Fornasier et al. (2007)	1
6545-1986 TR_6	Fornasier et al. (2007)	1
6998-Tithonus	Fornasier et al. (2007)	1
7066-Nessus	Davies et al. (1998)	
	Romanishin & Tegler (1999)	
	Bauer et al. (2003)	
	Davies (2000)	
	Duffard et al. (2014)	
	Tegler & Romanishin (1998)	18
7352-1994 CO	Fornasier et al. (2007)	1
8405-Asbolus	Weintraub et al. (1997)	
	Brown & Luu (1997)	
	Davies et al. (1998)	
	Bauer et al. (2003)	
	Romon-Martin et al. (2002)	
	Davies (2000)	
	Duffard et al. (2014)	
	Rabinowitz et al. (2007)	
	Tegler & Romanishin (1998)	44
9030-1989 UX_5	Fornasier et al. (2007)	1
9430-Erichthonio	Fornasier et al. (2007)	1
9818-Eurymachos	Fornasier et al. (2007)	1
10199-Chariklo	Davies et al. (1998)	
	Jewitt & Kalas (1998)	
	Romanishin & Tegler (1999)	
	N. McBride & Foster (1999)	
	Jewitt & Luu (2001)	
	Peixinho et al. (2001)	
	Bauer et al. (2003)	
	DeMeo et al. (2009)	
	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Davies (2000)	
	Fornasier et al. (2013)	
	Tegler & Romanishin (1998)	69
10370-Hylonome	Davies et al. (1998)	
	Romanishin & Tegler (1999)	
	Bauer et al. (2003)	
	Doressoundiram et al. (2002)	
	Delsanti et al. (2006)	
	Davies (2000)	
	Duffard et al. (2014)	
	Tegler & Romanishin (1998)	27
11089-1994 CS_8	Fornasier et al. (2007)	1
11351-Leucus	Fornasier et al. (2007)	1
11488-1988 RM_{11}	Fornasier et al. (2007)	2
11663-1997 GO_{24}	Fornasier et al. (2007)	1
12917-1998 TG_{16}	Fornasier et al. (2007)	
	Dotto et al. (2006)	2
12921-1998 WZ_5	Fornasier et al. (2007)	2
13463-Antiphos	Fornasier et al. (2007)	
	Dotto et al. (2006)	2
13862-1999 XT_{160}	Fornasier et al. (2007)	1
14707-2000 CC_{20}	Fornasier et al. (2007)	2
15094-Polymele	Fornasier et al. (2007)	
	Dotto et al. (2006)	3
15502-1999 NV_{27}	Fornasier et al. (2007)	3
15504-1999 RG_{33}	Jewitt (2005)	2
15535-2000 AT_{177}	Fornasier et al. (2007)	
	Dotto et al. (2006)	4
15760-Albion	Jewitt & Luu (2001)	
	Tegler & Romanishin (2000)	
	Boehnhardt et al. (2001)	
	Benecchi et al. (2011)	
	Romanishin et al. (1997)	5
15788-1993 SB	Gil-Hutton & Licandro (2001)	
	Jewitt & Luu (2001)	
	Tegler & Romanishin (2000)	
	McBride et al. (2003)	
	Delsanti et al. (2001)	
	Benecchi et al. (2011)	6
15789-1993 SC	Davies et al. (1997)	
	Romanishin & Tegler (1999)	
	Jewitt & Luu (1998)	
	Davies et al. (2000)	
	Jewitt & Luu (2001)	
	Benecchi et al. (2011)	
	Luu & Jewitt (1996)	
	Romanishin et al. (1997)	
	Tegler & Romanishin (1998)	17

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
15807-1994 GV_9	Gil-Hutton & Licandro (2001)	1
15809-1994 JS	Benecchi et al. (2011)	2
15810-Arawn	Green et al. (1997)	
	Romanishin & Tegler (1999)	
	Benecchi et al. (2011)	
	Porter et al. (2016)	
	Barucci et al. (1999)	
	Tegler & Romanishin (1998)	15
15820-1994 TB	Davies et al. (2000)	
	Jewitt & Luu (2001)	
	Delsanti et al. (2001)	
	Delsanti et al. (2004)	
	Delsanti et al. (2006)	
	Doressoundiram et al. (2007)	
	Barucci et al. (1999)	
	Davies (2000)	
	Lellouch et al. (2013)	
	Romanishin et al. (1997)	
	Tegler & Romanishin (1998)	16
15836-1995 DA_2	Green et al. (1997)	
	Benecchi et al. (2011)	6
15874-1996 TL_{66}	Jewitt et al. (2007)	
	Jewitt & Luu (1998)	
	Romanishin & Tegler (1999)	
	Boehnhardt et al. (2001)	
	Davies et al. (2000)	
	Jewitt & Luu (2001)	
	Benecchi et al. (2011)	
	Doressoundiram et al. (2007)	
	Barucci et al. (1999)	
	Davies (2000)	
	Santos-Sanz et al. (2012)	
	Tegler & Romanishin (1998)	17
15875-1996 TP_{66}	Jewitt & Luu (1998)	
	Romanishin & Tegler (1999)	
	Boehnhardt et al. (2001)	
	Davies et al. (2000)	
	Jewitt & Luu (2001)	
	Barucci et al. (1999)	
	Mommert et al. (2012)	8
15883-1997 CR_{29}	Jewitt & Luu (2001)	
	Doressoundiram et al. (2001)	
	Benecchi et al. (2011)	3
15977-1998 MA_{11}	Fornasier et al. (2007)	1
16684-1994 JQ_1	Green et al. (1997)	
	Gil-Hutton & Licandro (2001)	
	Boehnhardt et al. (2002)	
	Tegler & Romanishin (2003)	
	Benecchi et al. (2011)	8
17416-1988 RR_{10}	Fornasier et al. (2007)	1
18060-1999 XJ_{156}	Fornasier et al. (2007)	1
18137-2000 OU_{30}	Fornasier et al. (2007)	1
18268-Dardanos	Fornasier et al. (2007)	1
18493-Demoleon	Fornasier et al. (2007)	2
18940-2000 QV_{49}	Fornasier et al. (2007)	1
19255-1994 VK_8	Tegler & Romanishin (2000)	
	Doressoundiram et al. (2001)	
	Benecchi et al. (2011)	4
19299-1996 SZ_4	Jewitt & Luu (2001)	
	Tegler & Romanishin (2000)	
	McBride et al. (2003)	
	Boehnhardt et al. (2002)	5
19308-1996 TO_{66}	Jewitt et al. (2007)	
	Jewitt & Luu (1998)	
	Romanishin & Tegler (1999)	
	Hainaut et al. (2000)	
	Gil-Hutton & Licandro (2001)	
	Davies et al. (2000)	
	Jewitt & Luu (2001)	
	Boehnhardt et al. (2001)	
	Sheppard (2010a)	
	Barucci et al. (1999)	
	Davies (2000)	
	Tegler & Romanishin (1998)	16
19521-Chaos	Davies et al. (2000)	
	Tegler & Romanishin (2000)	
	Boehnhardt et al. (2001)	
	Delsanti et al. (2004)	
	Doressoundiram et al. (2002)	
	Benecchi et al. (2011)	
	Doressoundiram et al. (2007)	
	Barucci et al. (2000)	
	Vilenius et al. (2012)	14

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
20000-Varuna	Doressoundiram et al. (2002)	
	Hainaut (2001)	
	Jewitt & Sheppard (2002)	
	McBride et al. (2003)	
	Doressoundiram et al. (2007)	
	Jewitt et al. (2007)	
	Fornasier et al. (2009)	
	Perna et al. (2010)	
	Lellouch et al. (2013)	
	Rabinowitz et al. (2007)	12
20108-1995 QZ_9	Gil-Hutton & Licandro (2001)	
	Tegler & Romanishin (2000)	
	Benecchi et al. (2011)	3
20161-1996 TR_{66}	Benecchi et al. (2011)	1
20738-1999 XG_{191}	Fornasier et al. (2007)	
	Dotto et al. (2006)	2
23549-Epicles	Fornasier et al. (2007)	1
23694-1997 KZ_3	Fornasier et al. (2007)	1
24233-1999 XD_{94}	Fornasier et al. (2007)	1
24341-2000 AJ_{87}	Fornasier et al. (2007)	1
24380-2000 AA_{160}	Fornasier et al. (2007)	1
24390-2000 AD_{177}	Fornasier et al. (2007)	
	Dotto et al. (2006)	2
24420-2000 BU_{22}	Fornasier et al. (2007)	1
24426-2000 CR_{12}	Fornasier et al. (2007)	1
24444-2000 OP_{32}	Fornasier et al. (2007)	1
24452-2000 QU_{167}	Fornasier et al. (2007)	1
24467-2000 SS_{165}	Fornasier et al. (2007)	1
24835-1995 SM_{55}	Gil-Hutton & Licandro (2001)	
	Boehnhardt et al. (2001)	
	Delsanti et al. (2001)	
	McBride et al. (2003)	
	Delsanti et al. (2004)	
	Doressoundiram et al. (2002)	
	Benecchi et al. (2011)	
	Jewitt et al. (2007)	
	Doressoundiram et al. (2007)	
	Rabinowitz et al. (2008)	10
24952-1997 QJ_4	Gil-Hutton & Licandro (2001)	
	Jewitt & Luu (2001)	
	Delsanti et al. (2001)	
	Boehnhardt et al. (2002)	4
24978-1998 HJ_{151}	Tegler & Romanishin (2003)	
	Benecchi et al. (2011)	2
25347-1999 RQ_{116}	Fornasier et al. (2007)	1
26181-1996 GQ_{21}	McBride et al. (2003)	
	Boehnhardt et al. (2002)	
	Delsanti et al. (2006)	
	Doressoundiram et al. (2003)	
	Doressoundiram et al. (2007)	
	Tegler et al. (2016)	9
26308-1998 SM_{165}	Tegler & Romanishin (2000)	
	McBride et al. (2003)	
	Delsanti et al. (2004)	
	Doressoundiram et al. (2007)	
	Jewitt et al. (2007)	
	Benecchi et al. (2009)	
	Lellouch et al. (2013)	9
26308-1998 SM_{165} B	Benecchi et al. (2009)	1
26375-1999 DE_9	Jewitt & Luu (2001)	
	Delsanti et al. (2001)	
	Doressoundiram et al. (2002)	
	McBride et al. (2003)	
	Delsanti et al. (2006)	
	Doressoundiram et al. (2003)	
	Tegler et al. (2003)	
	Benecchi et al. (2011)	
	Doressoundiram et al. (2007)	
	DeMeo et al. (2009)	
	Lellouch et al. (2013)	
	Rabinowitz et al. (2007)	14
28958-2001 CQ_{42}	Fornasier et al. (2007)	1
28978-Ixion	Doressoundiram et al. (2002)	
	Boehnhardt et al. (2004)	
	Doressoundiram et al. (2007)	
	DeMeo et al. (2009)	
	Lellouch et al. (2013)	
	Rabinowitz et al. (2007)	16
29981-1999 TD_{10}	Delsanti et al. (2001)	
	McBride et al. (2003)	
	Doressoundiram et al. (2002)	
	Doressoundiram et al. (2007)	
	Consolmagno et al. (2000)	
	Rabinowitz et al. (2007)	18

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
30698-Hippokoon	Fornasier et al. (2007)	3
31820-1999 RT_{186}	Fornasier et al. (2007)	1
31821-1999 RK_{225}	Fornasier et al. (2007)	1
31824-Elatus	Peixinho et al. (2001)	
	Delsanti et al. (2004)	
	Doressoundiram et al. (2002)	
	Doressoundiram et al. (2007)	
	Duffard et al. (2014)	
	Gutiérrez et al. (2001)	15
32430-2000 RQ_{83}	Fornasier et al. (2007)	1
32532-Thereus	Farnham & Davies (2003)	
	Tegler et al. (2003)	
	Barucci et al. (2002)	
	Bauer et al. (2003)	
	Doressoundiram et al. (2007)	
	Jewitt (2015)	
	DeMeo et al. (2009)	
	Duffard et al. (2014)	
	Rabinowitz et al. (2007)	224
32615-2001 QU_{277}	Fornasier et al. (2007)	1
32794-1989 UE_5	Fornasier et al. (2007)	1
32929-1995 QY_9	Gil-Hutton & Licandro (2001)	
	Davies et al. (2000)	
	Barucci et al. (1999)	5
33001-1997 CU_{29}	Tegler & Romanishin (2000)	
	Jewitt & Luu (2001)	
	Doressoundiram et al. (2001)	
	Benecchi et al. (2011)	
	Barucci et al. (2000)	6
33128-1998 BU_{48}	Delsanti et al. (2004)	
	Doressoundiram et al. (2002)	
	Delsanti et al. (2006)	
	Bauer et al. (2003)	9
33340-1998 VG_{44}	Boehnhardt et al. (2001)	
	Doressoundiram et al. (2001)	
	McBride et al. (2003)	
	Doressoundiram et al. (2002)	
	Delsanti et al. (2006)	
	Benecchi et al. (2011)	
	Doressoundiram et al. (2007)	
	Tegler et al. (2016)	
	Lellouch et al. (2013)	14
34785-2001 RG_{87}	Fornasier et al. (2007)	1
35671-1998 SN_{165}	Jewitt & Luu (2001)	
	Gil-Hutton & Licandro (2001)	
	Delsanti et al. (2001)	
	McBride et al. (2003)	
	Fornasier et al. (2004)	
	Doressoundiram et al. (2001)	
	Vilenius et al. (2014)	7
38083-Rhadamanth	Boehnhardt et al. (2002)	1
38084-1999 HB_{12}	Benecchi et al. (2011)	
	Peixinho et al. (2004)	
	Doressoundiram et al. (2001)	3
38628-Huya	Ferrin et al. (2001)	
	Jewitt & Luu (2001)	
	Schaefer & Rabinowitz (2002)	
	Boehnhardt et al. (2002)	
	McBride et al. (2003)	
	Doressoundiram et al. (2007)	
	Doressoundiram et al. (2001)	
	Fornasier et al. (2013)	
	Mommert et al. (2012)	
	Rabinowitz et al. (2007)	60
39285-2001 BP_{75}	Fornasier et al. (2007)	1
40314-1999 KR_{16}	Jewitt & Luu (2001)	
	Delsanti et al. (2006)	
	Boehnhardt et al. (2002)	
	Jewitt et al. (2007)	
	Santos-Sanz et al. (2012)	6
42301-2001 UR_{163}	Doressoundiram et al. (2007)	
	Doressoundiram et al. (2005b)	
	Benecchi et al. (2011)	
	Perna et al. (2010)	
	Fornasier et al. (2009)	9
42355-Typhon	Peixinho et al. (2004)	
	Tegler et al. (2003)	
	Doressoundiram et al. (2007)	
	Jewitt et al. (2007)	
	DeMeo et al. (2009)	
	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Benecchi et al. (2009)	
	Rabinowitz et al. (2007)	
	Santos-Sanz et al. (2012)	15

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
42355-Typhon+B	Benecchi et al. (2009)	1
43212-2000 AL_{113}	Fornasier et al. (2007)	1
44594-1999 OX_3	Tegler & Romanishin (2000)	
	Bauer et al. (2003)	
	Delsanti et al. (2001)	
	McBride et al. (2003)	
	Boehnhardt et al. (2002)	
	Doressoundiram et al. (2002)	
	Peixinho et al. (2004)	
	Doressoundiram et al. (2005b)	
	Doressoundiram et al. (2007)	
	Delsanti et al. (2006)	
	Jewitt et al. (2007)	
	Sheppard (2010a)	
	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Doressoundiram et al. (2001)	
	Lellouch et al. (2013)	34
45802-2000 PV_{29}	Benecchi et al. (2011)	2
47171-Lempo	Boehnhardt et al. (2001)	
	Delsanti et al. (2001)	
	McBride et al. (2003)	
	Delsanti et al. (2004)	
	Dotto et al. (2003)	
	Tegler et al. (2003)	
	Doressoundiram et al. (2007)	
	Protopapa et al. (2009)	
	DeMeo et al. (2009)	
	Benecchi et al. (2009)	
	Doressoundiram et al. (2001)	
	Mommert et al. (2012)	
	Rabinowitz et al. (2007)	24
47171-Lempo+B	Benecchi et al. (2009)	1
47932-2000 GN_{171}	McBride et al. (2003)	
	Boehnhardt et al. (2002)	
	Tegler et al. (2016)	
	Doressoundiram et al. (2007)	
	DeMeo et al. (2009)	
	Mommert et al. (2012)	
	Rabinowitz et al. (2007)	15
47967-2000 SL_{298}	Fornasier et al. (2007)	1
48249-2001 SY_{345}	Fornasier et al. (2007)	1
48252-2001 TL_{212}	Fornasier et al. (2007)	1
48639-1995 TL_8	Delsanti et al. (2004)	
	Doressoundiram et al. (2002)	
	Benecchi et al. (2011)	
	Sheppard (2010a)	
	Lellouch et al. (2013)	5
49036-Pelion	Tegler & Romanishin (2000)	
	Boehnhardt et al. (2002)	
	Doressoundiram et al. (2002)	3
50000-Quaoar	Fornasier et al. (2004)	
	Tegler et al. (2003)	
	DeMeo et al. (2009)	
	Fornasier et al. (2013)	
	Rabinowitz et al. (2007)	5
51359-2000 SC_{17}	Fornasier et al. (2007)	1
52747-1998 HM_{151}	Tegler & Romanishin (2003)	1
52872-Okyrhoe	Bauer et al. (2003)	
	Delsanti et al. (2001)	
	Dotto et al. (2003)	
	Delsanti et al. (2006)	
	Doressoundiram et al. (2007)	
	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Doressoundiram et al. (2001)	
	Duffard et al. (2014)	22
52975-Cyllarus	Boehnhardt et al. (2001)	
	Delsanti et al. (2004)	
	Bauer et al. (2003)	
	Doressoundiram et al. (2002)	
	Tegler et al. (2003)	
	Duffard et al. (2014)	10
53469-2000 AX_8	Fornasier et al. (2007)	1
54520-2000 PJ_{30}	Benecchi et al. (2011)	1
54598-Bienor	Delsanti et al. (2004)	
	Doressoundiram et al. (2002)	
	Tegler et al. (2003)	
	Dotto et al. (2003)	
	Bauer et al. (2003)	
	Doressoundiram et al. (2007)	
	DeMeo et al. (2009)	
	Duffard et al. (2014)	
	Rabinowitz et al. (2007)	16

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
55565-2002 AW_{197}	Doressoundiram et al. (2005a)	
	Fornasier et al. (2004)	
	Tegler et al. (2016)	
	Jewitt et al. (2007)	
	DeMeo et al. (2009)	
	Rabinowitz et al. (2007)	
	Vilenius et al. (2014)	11
55576-Amycus	Peixinho et al. (2004)	
	Bauer et al. (2003)	
	Fornasier et al. (2004)	
	Doressoundiram et al. (2005a)	
	Tegler et al. (2016)	
	Doressoundiram et al. (2007)	
	Fornasier et al. (2009)	
	Perna et al. (2010)	
	Duffard et al. (2014)	23
55636-2002 TX_{300}	Tegler et al. (2003)	
	Doressoundiram et al. (2005b)	
	Jewitt et al. (2007)	
	Lellouch et al. (2013)	
	Ortiz et al. (2004)	
	Rabinowitz et al. (2008)	
	Rabinowitz et al. (2007)	9
55637-2002 UX_{25}	Jewitt et al. (2007)	
	Doressoundiram et al. (2007)	
	Tegler et al. (2016)	
	DeMeo et al. (2009)	
	Perna et al. (2010)	
	Fornasier et al. (2013)	
	Rabinowitz et al. (2007)	12
55638-2002 VE_{95}	Tegler et al. (2016)	
	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Mommert et al. (2012)	
	Rabinowitz et al. (2007)	
	Barucci et al. (2006)	10
56968-2000 SA_{92}	Fornasier et al. (2007)	1
58534-Logos	Jewitt & Luu (2001)	
	Boehnhardt et al. (2001)	
	Gil-Hutton & Licandro (2001)	
	Benecchi et al. (2011)	
	Barucci et al. (2000)	
	Benecchi et al. (2009)	7
58534-Logos+B	Benecchi et al. (2009)	1
59358-1999 CL_{158}	Doressoundiram et al. (2002)	1
60454-2000 CH_{105}	Peixinho et al. (2004)	
	Benecchi et al. (2011)	2
60458-2000 CM_{114}	Tegler et al. (2003)	
	Benecchi et al. (2009)	2
60458-2000 CM_{114} B	Benecchi et al. (2009)	1
60558-Echeclus	Boehnhardt et al. (2002)	
	Delsanti et al. (2006)	
	Bauer et al. (2003)	
	Tegler et al. (2016)	
	Jewitt (2009)	
	DeMeo et al. (2009)	
	Duffard et al. (2014)	12
60608-2000 EE_{173}	Boehnhardt et al. (2002)	
	Benecchi et al. (2011)	
	Tegler et al. (2003)	3
60620-2000 FD_8	Boehnhardt et al. (2002)	
	Benecchi et al. (2011)	
	Peixinho et al. (2004)	3
60621-2000 FE_8	Doressoundiram et al. (2002)	
	Benecchi et al. (2011)	
	Tegler et al. (2003)	3
63252-2001 BL_{41}	Bauer et al. (2003)	
	Doressoundiram et al. (2003)	
	Peixinho et al. (2004)	
	Tegler et al. (2003)	
	Duffard et al. (2014)	11
65150-2002 CA_{126}	Fornasier et al. (2007)	1
65225-2002 EK_{44}	Fornasier et al. (2007)	1
65407-2002 RP_{120}	Jewitt (2005)	3
65489-Ceto	Tegler et al. (2003)	
	Jewitt et al. (2007)	
	Perna et al. (2013)	
	Benecchi et al. (2009)	
	Santos-Sanz et al. (2012)	9
65489-Ceto+B	Benecchi et al. (2009)	1
66452-1999 OF_4	Peixinho et al. (2004)	
	Benecchi et al. (2011)	3

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
66652-Borasisi	Delsanti et al. (2001)	
	McBride et al. (2003)	
	Delsanti et al. (2006)	
	Benecchi et al. (2011)	
	Benecchi et al. (2009)	
	Doressoundiram et al. (2001)	
	Vilenius et al. (2014)	8
66652-Borasisi+B	Benecchi et al. (2009)	1
69986-1998 WW_{24}	Doressoundiram et al. (2002)	
	Peixinho et al. (2004)	3
69987-1998 WA_{25}	Benecchi et al. (2011)	1
69988-1998 WA_{31}	Benecchi et al. (2011)	
	Peixinho et al. (2004)	2
69990-1998 WU_{31}	Peixinho et al. (2004)	1
73480-2002 PN_{34}	Tegler et al. (2003)	
	Doressoundiram et al. (2007)	
	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Rabinowitz et al. (2007)	
	Santos-Sanz et al. (2012)	13
76804-2000 QE	Fornasier et al. (2007)	1
78799-2002 XW_{93}	Vilenius et al. (2012)	1
79360-Sila-Nunam	Romanishin & Tegler (1999)	
	Jewitt & Luu (2001)	
	Davies et al. (2000)	
	Boehnhardt et al. (2001)	
	Delsanti et al. (2006)	
	Benecchi et al. (2011)	
	Jewitt et al. (2007)	
	Barucci et al. (2000)	
	Benecchi et al. (2009)	
	Tegler & Romanishin (1998)	
	Vilenius et al. (2012)	16
79360-Sila-Nunam+B	Benecchi et al. (2009)	1
79978-1999 CC_{158}	Delsanti et al. (2001)	
	Doressoundiram et al. (2002)	2
79983-1999 DF_{9}	Doressoundiram et al. (2002)	1
80806-2000 CM_{105}	Benecchi et al. (2011)	
	Benecchi et al. (2009)	2
82075-2000 YW_{134}	Peixinho et al. (2004)	
	Benecchi et al. (2011)	
	Doressoundiram et al. (2005b)	
	Doressoundiram et al. (2007)	
	Jewitt et al. (2007)	
	Sheppard (2010a)	
	Benecchi et al. (2009)	14
82155-2001 FZ_{173}	Peixinho et al. (2004)	
	Tegler et al. (2003)	
	Doressoundiram et al. (2007)	
	Jewitt et al. (2007)	9
82158-2001 FP_{185}	Peixinho et al. (2004)	
	Doressoundiram et al. (2005b)	
	Tegler et al. (2003)	
	Jewitt et al. (2007)	
	Santos-Sanz et al. (2012)	8
83982-Crantor	Peixinho et al. (2004)	
	Bauer et al. (2003)	
	Tegler et al. (2003)	
	Doressoundiram et al. (2005a)	
	Fornasier et al. (2004)	
	Doressoundiram et al. (2007)	
	DeMeo et al. (2009)	
	Duffard et al. (2014)	18
84522-2002 TC_{302}	Tegler et al. (2016)	
	Sheppard (2010a)	
	Fornasier et al. (2013)	
	Rabinowitz et al. (2008)	4
84709-2002 VW_{120}	Fornasier et al. (2007)	1
84719-2002 VR_{128}	Tegler et al. (2016)	
	Mommert et al. (2012)	3
84922-2003 VS_{2}	Tegler et al. (2016)	
	Mommert et al. (2012)	3
85627-1998 HP_{151}	Benecchi et al. (2011)	1
85633-1998 KR_{65}	Boehnhardt et al. (2002)	
	Tegler & Romanishin (2003)	
	Benecchi et al. (2011)	4
86047-1999 OY_{3}	Tegler & Romanishin (2000)	
	Boehnhardt et al. (2002)	
	Doressoundiram et al. (2002)	
	Benecchi et al. (2011)	
	Jewitt et al. (2007)	5

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
86177-1999 RY_{215}	Boehnhardt et al. (2002)	
	Benecchi et al. (2011)	
	Doressoundiram et al. (2001)	
	Vilenius et al. (2014)	4
87269-2000 OO_{67}	Tegler et al. (2003)	
	Benecchi et al. (2011)	
	Sheppard (2010a)	3
87555-2000 QB_{243}	Peixinho et al. (2004)	
	Doressoundiram et al. (2007)	6
88269-2001 KF_{77}	Tegler et al. (2003)	1
88611-Teharonhia	Benecchi et al. (2009)	
	Vilenius et al. (2014)	2
88611-Teharonhia+B	Benecchi et al. (2009)	1
90377-Sedna	Barucci et al. (2005)	
	Tegler et al. (2016)	
	Fornasier et al. (2009)	
	Perna et al. (2010)	
	Sheppard (2010a)	
	Lellouch et al. (2013)	
	Pál et al. (2012)	
	Rabinowitz et al. (2007)	9
90482-Orcus	Rabinowitz et al. (2004)	
	de Bergh et al. (2005)	
	Tegler et al. (2016)	
	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Fornasier et al. (2013)	
	Rabinowitz et al. (2007)	12
90568-2004 GV_{9}	Tegler et al. (2016)	
	DeMeo et al. (2009)	
	Rabinowitz et al. (2008)	
	Vilenius et al. (2012)	4
91133-1998 HK_{151}	Boehnhardt et al. (2001)	
	McBride et al. (2003)	
	Doressoundiram et al. (2002)	
	Benecchi et al. (2011)	
	Doressoundiram et al. (2001)	6
91205-1998 US_{43}	Peixinho et al. (2004)	2
91554-1999 RZ_{215}	Boehnhardt et al. (2002)	1
95625-2002 GX_{32}	–	0
95626-2002 GZ_{32}	Doressoundiram et al. (2005b)	
	Bauer et al. (2003)	
	Tegler et al. (2003)	
	Fornasier et al. (2004)	
	Doressoundiram et al. (2007)	
	Duffard et al. (2014)	
	Rabinowitz et al. (2007)	19
99328-2001 UY_{123}	Fornasier et al. (2007)	1
105685-2000 SC_{51}	Fornasier et al. (2007)	1
111113-2001 VK_{85}	Fornasier et al. (2007)	1
118228-1996 TQ_{66}	Romanishin & Tegler (1999)	
	Davies et al. (2000)	
	Gil-Hutton & Licandro (2001)	
	Jewitt & Luu (2001)	
	Benecchi et al. (2011)	
	Tegler & Romanishin (1998)	7
118378-1999 HT_{11}	–	0
118379-1999 HC_{12}	Boehnhardt et al. (2002)	
	Benecchi et al. (2011)	3
118698-2000 OY_{51}	–	0
118702-2000 OM_{67}	Sheppard (2010a)	1
119066-2001 KJ_{76}	–	0
119067-2001 KP_{76}	–	0
119068-2001 KC_{77}	Tegler et al. (2003)	1
119070-2001 KP_{77}	Benecchi et al. (2011)	1
119315-2001 SQ_{73}	Tegler et al. (2003)	
	Duffard et al. (2014)	2
119951-2002 KX_{14}	Tegler et al. (2016)	
	DeMeo et al. (2009)	
	Rabinowitz et al. (2007)	
	Romanishin et al. (2010)	
	Vilenius et al. (2012)	6
119956-2002 PA_{149}	–	0
119976-2002 VR_{130}	Duffard et al. (2014)	1
119979-2002 WC_{19}	Tegler et al. (2016)	
	Benecchi et al. (2009)	
	Lellouch et al. (2013)	3
120061-2003 CO_{1}	Tegler et al. (2003)	
	Doressoundiram et al. (2007)	
	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Perna et al. (2013)	
	Duffard et al. (2014)	17

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
120132-2003 FY_{128}	Tegler et al. (2016)	
	DeMeo et al. (2009)	
	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Sheppard (2010a)	
	Santos-Sanz et al. (2012)	7
120178-2003 OP_{32}	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Perna et al. (2013)	
	Rabinowitz et al. (2008)	6
120181-2003 UR_{292}	Tegler et al. (2016)	
	Vilenius et al. (2014)	3
120216-2004 EW_{95}	Tegler et al. (2016)	
	Perna et al. (2013)	
	Mommert et al. (2012)	6
120347-Salacia	Perna et al. (2013)	
	Benecchi et al. (2009)	
	Fornasier et al. (2013)	6
120347-Salacia+B	Benecchi et al. (2009)	1
120348-2004 TY_{364}	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Lellouch et al. (2013)	
	Rabinowitz et al. (2007)	5
120453-1988 RE_{12}	Fornasier et al. (2007)	1
121725-Aphidas	Bauer et al. (2003)	
	Doressoundiram et al. (2002)	
	Peixinho et al. (2004)	10
123509-2000 WK_{183}	Benecchi et al. (2009)	1
123509-2000 WK_{183}	Benecchi et al. (2009)	1
124729-2001 SB_{173}	Fornasier et al. (2007)	1
126154-2001 YH_{140}	–	0
127546-2002 XU_{93}	Jewitt (2005)	
	Sheppard (2010a)	
	Santos-Sanz et al. (2012)	4
129772-1999 HR_{11}	Doressoundiram et al. (2001)	1
130391-2000 JG_{81}	Benecchi et al. (2011)	
	Peixinho et al. (2012)	2
131695-2001 XS_{254}	Benecchi et al. (2011)	1
131696-2001 XT_{254}	–	0
131697-2001 XH_{255}	–	0
133067-2003 FB_{128}	Perna et al. (2013)	2
134340-Pluto	Buratti et al. (2003)	
	Jewitt & Luu (2001)	
	Buie et al. (2006)	4
134340-Pluto+A	Buie et al. (2010)	1
134340-Pluto	–	0
134340-Pluto+B	Buie et al. (2006)	
	Buie et al. (2010)	2
134340-Pluto+C	Buie et al. (2006)	1
134340-Pluto+D	Buie et al. (2006)	1
134568-1999 RH_{215}	–	0
134860-2000 OJ_{67}	Doressoundiram et al. (2002)	
	Delsanti et al. (2006)	
	Benecchi et al. (2011)	
	Benecchi et al. (2009)	5
134860-2000 OJ_{67}	Benecchi et al. (2009)	1
135024-2001 KO_{76}	–	0
135182-2001 QT_{322}	Romanishin et al. (2010)	
	Vilenius et al. (2014)	2
135571-2002 GG_{32}	–	0
135742-2002 PB_{171}	–	0
136108-Haumea	Rabinowitz et al. (2006)	
	Jewitt et al. (2007)	
	Fornasier et al. (2013)	
	Rabinowitz et al. (2007)	
	Trujillo et al. (2007)	10
136120-2003 LG_{7}	Peixinho et al. (2012)	1
136199-Eris	Tegler et al. (2016)	
	Carraro et al. (2006)	
	DeMeo et al. (2009)	
	Perna et al. (2010)	
	Lellouch et al. (2013)	
	Rabinowitz et al. (2007)	
	Santos-Sanz et al. (2012)	68
136204-2003 WL_{7}	Tegler et al. (2016)	
	Perna et al. (2013)	
	Duffard et al. (2014)	5
136472-Makemake	Tegler et al. (2016)	
	Lellouch et al. (2013)	
	Lim et al. (2010)	
	Rabinowitz et al. (2007)	4

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
137294-1999 RE_{215}	Boehnhardt et al. (2002)	
	Benecchi et al. (2011)	3
137295-1999 RB_{216}	Boehnhardt et al. (2002)	1
138537-2000 OK_{67}	Delsanti et al. (2001)	
	Delsanti et al. (2004)	
	Doressoundiram et al. (2002)	
	Benecchi et al. (2011)	
	Vilenius et al. (2014)	6
143685-2003 SS_{317}	–	0
143707-2003 UY_{117}	Tegler et al. (2016)	1
143751-2003 US_{292}	–	0
144897-2004 UX_{10}	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Mommert et al. (2012)	
	Romanishin et al. (2010)	9
145451-2005 RM_{43}	DeMeo et al. (2009)	
	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Rabinowitz et al. (2008)	6
145452-2005 RN_{43}	DeMeo et al. (2009)	
	Perna et al. (2013)	
	Vilenius et al. (2012)	7
145453-2005 RR_{43}	DeMeo et al. (2009)	
	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Rabinowitz et al. (2008)	7
145480-2005 TB_{190}	Sheppard (2010a)	
	Perna et al. (2013)	
	Santos-Sanz et al. (2012)	3
145486-2005 UJ_{438}	Perna et al. (2013)	
	Tegler et al. (2016)	
	Duffard et al. (2014)	3
148209-2000 CR_{105}	Tegler et al. (2003)	
	Benecchi et al. (2011)	
	Sheppard (2010a)	3
148780-Altjira	Benecchi et al. (2009)	
	Vilenius et al. (2014)	2
148780-Altjira+B	Benecchi et al. (2009)	1
148975-2001 XA_{255}	Jewitt (2015)	
	Bauer et al. (2013)	2
149349-2002 VA_{131}	–	0
149560-2003 QZ_{91}	Peixinho et al. (2012)	1
150642-2001 CZ_{31}	Delsanti et al. (2006)	1
160147-2001 KN_{76}	–	0
160427-2005 RL_{43}	Jewitt (2015)	1
163135-2002 CT_{22}	Fornasier et al. (2007)	1
163216-2002 EN_{68}	Fornasier et al. (2007)	1
168700-2000 GE_{147}	Benecchi et al. (2011)	1
168703-2000 GP_{183}	Doressoundiram et al. (2002)	
	Benecchi et al. (2011)	
	Peixinho et al. (2004)	5
174567-Varda	Tegler et al. (2016)	
	Fornasier et al. (2009)	
	Perna et al. (2010)	
	Perna et al. (2013)	
	Vilenius et al. (2014)	7
175113-2004 PF_{115}	Mommert et al. (2012)	1
181708-1993 FW	Green et al. (1997)	
	Tegler & Romanishin (2003)	
	Benecchi et al. (2011)	
	Barucci et al. (2000)	
	Romanishin et al. (1997)	8
181855-1998 WT_{31}	Peixinho et al. (2004)	2
181867-1999 CV_{118}	Peixinho et al. (2004)	1
181871-1999 CO_{153}	Benecchi et al. (2011)	1
181874-1999 HW_{11}	Benecchi et al. (2011)	
	Sheppard (2010a)	2
181902-1999 RD_{215}	Boehnhardt et al. (2002)	
	Benecchi et al. (2011)	2
182222-2000 YU_{1}	–	0
182294-2001 KU_{76}	–	0
182397-2001 QW_{297}	Sheppard (2010a)	1
182933-2002 GZ_{31}	Benecchi et al. (2009)	1
182934-2002 GJ_{32}	Santos-Sanz et al. (2009)	
	Vilenius et al. (2014)	2
183964-2004 DJ_{71}	–	0
192388-1996 RD_{29}	Fornasier et al. (2007)	1
192929-2000 AT_{44}	Fornasier et al. (2007)	1
202421-2005 UQ_{513}	Snodgrass et al. (2010)	
	Vilenius et al. (2014)	2
208996-2003 AZ_{84}	Fornasier et al. (2004)	
	Doressoundiram et al. (2007)	
	Tegler et al. (2016)	
	DeMeo et al. (2009)	
	Fornasier et al. (2009)	
	Perna et al. (2010)	
	Mommert et al. (2012)	
	Rabinowitz et al. (2008)	14

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
225088-Gonggong	Santos-Sanz et al. (2012)	1
229762-2007 UK_{126}	Fornasier et al. (2009)	
	Perna et al. (2010)	
	Santos-Sanz et al. (2012)	4
230965-2004 XA_{192}	Vilenius et al. (2014)	1
248835-2006 SX_{368}	Perna et al. (2013)	
	Tegler et al. (2016)	
	Duffard et al. (2014)	5
250112-2002 KY_{14}	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Tegler et al. (2016)	
	Duffard et al. (2014)	5
275809-2001 QY_{297}	Doressoundiram et al. (2005b)	
	Doressoundiram et al. (2007)	
	Benecchi et al. (2009)	
	Vilenius et al. (2014)	8
275809-2001 QY_{297}	Benecchi et al. (2009)	1
278361-2007 JJ_{43}	Sheppard (2010a)	1
281371-2008 FC_{76}	Peixinho et al. (2012)	
	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Perna et al. (2013)	
	Tegler et al. (2016)	
	Duffard et al. (2014)	8
303775-2005 QU_{182}	Perna et al. (2013)	
	Santos-Sanz et al. (2012)	4
307251-2002 KW_{14}	Perna et al. (2013)	
	Vilenius et al. (2014)	3
307261-2002 MS_4	Tegler et al. (2016)	
	Vilenius et al. (2012)	2
307463-2002 VU_{130}	Mommert et al. (2012)	1
307616-2003 QW_{90}	DeMeo et al. (2009)	2
307982-2004 PG_{115}	Perna et al. (2013)	6
308193-2005 CB_{79}	–	0
308933-2006 SQ_{372}	Peixinho et al. (2012)	
	Sheppard (2010a)	2
309139-2006 XQ_{51}	Tegler et al. (2016)	
	Bauer et al. (2013)	2
309239-2007 RW_{10}	Santos-Sanz et al. (2012)	1
309737-2008 SJ_{236}	Perna et al. (2010)	
	Fornasier et al. (2009)	
	Tegler et al. (2016)	
	Bauer et al. (2013)	5
309741-2008 UZ_6	Tegler et al. (2016)	1
310071-2010 KR_{59}	Bauer et al. (2013)	1
315898-2008 QD_4	Tegler et al. (2016)	1
316431-2010 TH_{167}	Tegler et al. (2016)	
	Bauer et al. (2013)	2
328884-2010 LJ_{109}	Bauer et al. (2013)	1
330759-2008 SO_{218}	Jewitt (2015)	1
332685-2009 HH_{36}	Bauer et al. (2013)	1
336756-2010 NV_1	Jewitt (2015)	
	Tegler et al. (2016)	
	Bauer et al. (2013)	3
341275-2007 RG_{283}	Tegler et al. (2016)	1
341520-Mors-Somn	Sheppard et al. (2012)	4
341520-Mors-Somn+A	Sheppard et al. (2012)	1
341520-Mors-Somn+B	Sheppard et al. (2012)	1
342842-2008 YB_3	Sheppard (2010a)	
	Tegler et al. (2016)	
	Jewitt (2015)	
	Bauer et al. (2013)	4
346889-Rhiphonos	Tegler et al. (2016)	
	Bauer et al. (2013)	2
349933-2009 YF_7	Tegler et al. (2016)	1
382004-2010 RM_{64}	Tegler et al. (2016)	
	Bauer et al. (2013)	2
385185-1993 RO	Boehnhardt et al. (2001)	
	Tegler & Romanishin (2000)	2
385191-1997 RT_5	Gladman et al. (1998)	
	Boehnhardt et al. (2002)	
	Benecchi et al. (2011)	4
385194-1998 KG_{62}	Gil-Hutton & Licandro (2001)	
	Boehnhardt et al. (2002)	
	Benecchi et al. (2011)	
	Doressoundiram et al. (2001)	5
385199-1999 OE_4	Peixinho et al. (2004)	
	Benecchi et al. (2011)	4
385437-2003 GH_{55}	Jewitt et al. (2007)	
	Perna et al. (2013)	
	Vilenius et al. (2014)	4

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
385446-Manwe	Benecchi et al. (2009)	1
385446-Manwe+B	Benecchi et al. (2009)	1
385527-2004 OK_{14}	–	0
385571-Otrera	Sheppard & Trujillo (2006)	1
385607-2005 EO_{297}	Sheppard (2010a)	1
385695-2005 TO_{74}	Sheppard & Trujillo (2006)	1
413666-2005 VJ_{119}	Bauer et al. (2013)	1
416400-2003 UZ_{117}	Jewitt et al. (2007)	
	Tegler et al. (2016)	
	DeMeo et al. (2009)	
	Perna et al. (2010)	7
418993-2009 MS_9	Jewitt (2015)	1
427507-2002 DH_5	Peixinho et al. (2004)	1
427581-2003 QB_{92}	–	0
444030-2004 NT_{33}	Perna et al. (2013)	
	Vilenius et al. (2014)	4
444745-2007 JF_{43}	–	0
445473-2010 VZ_{98}	Tegler et al. (2016)	1
447178-2005 RO_{43}	Tegler et al. (2016)	
	Duffard et al. (2014)	2
449097-2012 UT_{68}	Tegler et al. (2016)	1
455171-1999 OM_4	Boehnhardt et al. (2002)	1
455502-2003 UZ_{413}	Perna et al. (2010)	
	Fornasier et al. (2009)	8
459865-2013 XZ_8	Tegler et al. (2016)	1
459971-2014 ON_6	Tegler et al. (2016)	1
463368-2012 VU_{85}	Tegler et al. (2016)	1
463663-2014 HY_{123}	Jewitt (2015)	1
469306-1999 CD_{158}	Delsanti et al. (2004)	
	Doressoundiram et al. (2002)	
	Delsanti et al. (2006)	
	Benecchi et al. (2011)	5
469333-2000 PE_{30}	Delsanti et al. (2006)	
	Doressoundiram et al. (2007)	
	Benecchi et al. (2011)	
	Sheppard (2010a)	
	Doressoundiram et al. (2001)	7
469362-2001 KB_{77}	Peixinho et al. (2004)	
	Tegler et al. (2016)	7
469372-2001 QF_{298}	Doressoundiram et al. (2007)	
	Fornasier et al. (2004)	
	Delsanti et al. (2006)	
	Doressoundiram et al. (2005b)	
	Tegler et al. (2016)	
	Mommert et al. (2012)	12
469420-2001 XP_{254}	–	0
469438-2002 GV_{31}	Vilenius et al. (2014)	1
469505-2003 FE_{128}	Perna et al. (2013)	4
469514-2003 QA_{91}	Vilenius et al. (2014)	1
469615-2004 PT_{107}	Snodgrass et al. (2010)	
	Vilenius et al. (2014)	2
469705-2005 EF_{298}	Vilenius et al. (2012)	1
469708-2005 GE_{187}	–	0
469750-2005 PU_{21}	Sheppard (2010a)	1
469987-2006 HJ_{123}	Mommert et al. (2012)	1
470308-2007 JH_{43}	–	0
470309-2007 JK_{43}	Peixinho et al. (2012)	1
470316-2007 OC_{10}	Perna et al. (2013)	
	Santos-Sanz et al. (2012)	4
470599-2008 OG_{19}	Sheppard (2010a)	1
471143-Dziewanna	Lellouch et al. (2013)	
	Pál et al. (2012)	2
471339-2011 ON_{45}	Tegler et al. (2016)	3
474640-2004 VN_{112}	Sheppard (2010a)	1
506479-2003 HB_{57}	Sheppard (2010a)	1
508770-1995 WY_2	Jewitt & Luu (2001)	2
508788-2000 CQ_{114}	Benecchi et al. (2011)	
	Benecchi et al. (2009)	3
508788-2000 CQ_{114}	Benecchi et al. (2009)	1
523588-2000 CN_{105}	Peixinho et al. (2004)	
	Jewitt et al. (2007)	4
523591-2001 QD_{298}	Doressoundiram et al. (2005b)	
	Vilenius et al. (2014)	2
523597-2002 QX_{47}	Tegler et al. (2016)	1
523620-2007 RH_{283}	Peixinho et al. (2012)	
	Tegler et al. (2016)	3
523622-2007 TG_{422}	Sheppard (2010a)	1
523676-2013 UL_{10}	Tegler et al. (2016)	1
523785-2015 CM_3	Jewitt (2015)	1
523794	Bannister et al. (2016)	7
523899-1997 CV_{29}	Tegler & Romanishin (2003)	
	Benecchi et al. (2011)	2

Table 9. List of the references used in this study, sorted by object (Cont'd)

Object	References	Nr.
523955-1998 UU_{43}	Benecchi et al. (2011)	2
523965-1998 XY_{95}	Boehnhardt et al. (2001)	
	Benecchi et al. (2011)	2
523983-1999 RY_{214}	Peixinho et al. (2004)	2
524049-2000 CQ_{105}	Benecchi et al. (2011)	
	Peixinho et al. (2004)	
	Tegler et al. (2003)	
	Jewitt et al. (2007)	5
524217-2001 RZ_{143}	Santos-Sanz et al. (2009)	
	Vilenius et al. (2012)	2
524365-2001 XQ_{254}	–	0
524366-2001 XR_{254}	Benecchi et al. (2009)	
	Vilenius et al. (2014)	2
524366-2001 XR_{254}	Benecchi et al. (2009)	1
524460-2002 GF_{32}	–	0
524834-2003 YL_{179}	Romanishin et al. (2010)	1
525462-2005 EO_{304}	Benecchi et al. (2009)	1
525462-2005 EO_{304}	Benecchi et al. (2009)	1
525815-2005 SD_{278}	Sheppard (2010a)	1
525816-2005 SF_{278}	–	0
527328-2007 TK_{422}	Tegler et al. (2016)	1
527443-2007 UM_{126}	Fornasier et al. (2009)	
	Perna et al. (2010)	
	Peixinho et al. (2012)	
	Tegler et al. (2016)	7
527603-2007 VJ_{305}	Sheppard (2010a)	1
527604	Parker et al. (2013)	1
528219-2008 KV_{42}	Sheppard (2010a)	1
530664	Jewitt (2018)	1
530930	Jewitt (2018)	1

Table 10. List of the references for the comments, sorted by object [commRef.tex from tnoAverage]

Object	References
C/1983H1-IA	–
C/1983J1-SS	–
C/1984K1-Shoemak	–
C/1984U1-Shoemak	–
C/1986P1-Wilson	–
C/1987A1-Levy	–
C/1987H1-Shoemak	–
C/1988B1-Shoemak	–
C/1988C1-MP	–
C/1995O1-HB	–
C/1996B2-Hyakuta	–
C/1999J2	–
C/1999S4-LINEAR	–
C/2000B4	–
C/2001G1	–
C/2001M10	–
C/2001M10-NEAT	Jewitt (2009)
C/2001O1	–
C/2001OG108-LONE	–
C/2001Q1	–
C/2002CE10-LINEA	–
C/2002VQ94-LINEA	–
C/2003A2	–
C/2003A2-Gleason	–
C/2004D1-NEAT	–
C/2006S3-Loneos	–
C/2007D1-LINEAR	–
C/2008S3-Boattin	–
C/2009T1-McNaugh	–
C/2010D4-WISE	–
C/2010DG56-WISE	–
C/2010KW7	–
C/2010L3-Catalin	–
C/2010U3-Boattin	–
C/2011KP36	Bauer et al. (2013)
C/2011P2-PANSTAR	–
C/2011Q1-PANSTAR	–
C/2012A1-PANSTAR	–
C/2012E1-Hill	–
C/2012K8-Lemmon	–
C/2012LP26-Palom	–
C/2012Q1-Kowalsk	–
C/2013C2	–
C/2013E1-McNaugh	–
C/2013H2-Boattin	–
C/2013P3-Palomar	–
C/2013P4	–
C/2014AA52-CATAL	–
C/2014B1-Schwarz	–
C/2014R1-Borisov	–
C/2014W6-Catalin	–
C/2014XB8-PANSTA	–
C/2015B1-PANSTAR	–
Nereid	–
P/1991L3-Levy	–
P/1993W1-Mueller	–
P/1994A1-Kushida	–
P/1994J3-Shoemak	–
P/1995A1-Jedicke	–
P/1996A1-Jedicke	–
P/1997C1-Gehrels	–
P/1997G1-Montani	–
P/1997V1-Larsen	–
P/1998S1-LM	–
P/1999D1-Hermann	–
P/1999RO28-LONEO	–
P/2004A1	–
P/2004A1-Loneos	Jewitt (2009)
P/2005S2-Skiff	Jewitt (2009)
P/2005T3-Read	Jewitt (2009)
P/2011S1-Gibbs	–
Phoebe	Lellouch et al. (2013)
Sycorax	Lellouch et al. (2013)
1P/Halley	–
2P/Encke	–
4P/Faye	–
6P/dArrest	–
7P/PW	–
8P/Tuttle	–
9P/Tempel1	–
10P/Tempel2	–

Table 10. List of the references for the comments, sorted by object (Cont'd)

Object	References
14P/Wolf	–
15P/Finlay	–
16P/Brooks2	–
17P/Holmes	–
19P/Borrelly	–
21P/GZ	–
22P/Kopff	–
24P/Schaumasse	–
26P/GS	–
28P/Neujmin1	–
30P/Reinmuth1	–
31P/SW2	–
32P/ComasSola	–
33P/Daniel	–
36P/Whipple	–
37P/Forbes	–
39P/Oterma	Jewitt (2009)
40P/Vaisala1	–
41P/TG	–
42P/Neujmin3	–
43P/WH	–
44P/Reinmuth2	–
45P/HMP	–
46P/Wirtanen	–
47P/AJ	–
48P/Johnson	–
49P/AR	–
50P/Arend	–
51P/Harrington	–
52P/HA	–
53P/VanBiesbroec	–
55P/TT	–
56P/SB	–
57P/dTND	–
58P/JN	–
59P/KK	–
60P/Tsuchinshan2	–
61P/SS	–
62P/Tsuchinshan1	–
63P/Wild1	–
64P/SG	–
65P/Gunn	–
67P/CG	–
68P/Klemola	–
69P/Taylor	–
70P/Kojima	–
71P/Clark	–
72P/DF	–
73P/SW3	–
73P/SW3C	–
74P/SC	–
75P/Kohoutek	–
76P/WKI	–
77P/Longmore	–
78P/Gehrels2	–
79P/dTH	–
81P/Wild2	–
82P/Gehrels3	–
84P/Giclas	–
86P/Wild3	–
87P/Bus	–
88P/Howell	–
89P/Russell2	–
90P/Gehrels1	–
91P/Russell3	–
92P/Sanguin	–
93P/HL	–
94P/Russell4	–
96P/Machholz1	–
97P/MB	–
98P/Takamizawa	–
99P/Kowal1	–
100P/Hartley1	–
101P/Chernykh	–
103P/Hartley2	–
104P/Kowal2	–
105P/SB	–
106P/Schuster	–
107P/WH	–
109P/ST	–
110P/Hartley3	–

Table 10. List of the references for the comments, sorted by object (Cont'd)

Object	References
111P/HRC	–
112P/UN	–
113P/Spitaler	–
114P/WS	–
115P/Maury	–
116P/Wild4	–
117P/HRA	–
118P/SL	–
119P/PH	–
120P/Mueller1	–
121P/SH	–
123P/WH	–
124P/Mrkos	–
125P/Spacewatch	–
126P/IRAS	–
128P/SH	–
129P/SL	–
130P/McNH	–
131P/Mueller2	–
132P/HRA	–
134P/KV	–
135P/SL	–
136P/Mueller3	–
137P/SL	–
138P/SL	–
139P/VO	–
140P/BS	–
141P/Machholz2	–
143P/KM	–
144P/Kushida	–
147P/KM	–
148P/AL	–
152P/HL	–
154P/Brewington	–
165P/LINEAR	Jewitt (2009)
	Kusnirak & Balam (2000)
166P/2001T4	Jewitt (2009)
166P/NEAT	–
167P/2004PY42	–
167P/CINEOS	–
204P/Wild2	–
1172-Aneas	–
1173-Anchises	–
1647-Menelaus	–
1871-Astyanax	–
1994 ES_2	–
1994 EV_3	–
1994 TA	–
1995 DB_2	–
1995 DC_2	–
1995 FB_{21}	–
1995 HM_5	Fulchignoni et al. (2008)
1996 KV_1	–
1996 RQ_{20}	Fulchignoni et al. (2008)
	Ragozzine & Brown (2007)
1996 RR_{20}	Fulchignoni et al. (2008)
1996 TC_{68}	–
1996 TK_{66}	Fulchignoni et al. (2008)
1996 TS_{66}	Fulchignoni et al. (2008)
	Vilenius et al. (2014)
1997 CT_{29}	–
1997 GA_{45}	–
1997 QH_4	Fulchignoni et al. (2008)
1997 RL_{13}	–
1997 RX_9	Ragozzine & Brown (2007)
1998 FS_{144}	–
1998 HL_{151}	Ragozzine & Brown (2007)
1998 KS_{65}	–
1998 KY_{61}	–
1998 UR_{43}	Fulchignoni et al. (2008)
1998 WS_{31}	Fulchignoni et al. (2008)
1998 WU_{24}	Fulchignoni et al. (2008)
1998 WV_{24}	–
1998 WV_{31}	Fulchignoni et al. (2008)
1998 WW_{31}	–
1998 WW_{31}	–
1998 WX_{24}	–
1998 WX_{31}	–
1998 WY_{24}	–
1998 WZ_{31}	Fulchignoni et al. (2008)
1999 CB_{119}	Fulchignoni et al. (2008)

Table 10. List of the references for the comments, sorted by object (Cont'd)

Object	References
1999 CF$_{119}$	Fulchignoni et al. (2008)
1999 CH$_{119}$	–
1999 CJ$_{119}$	–
1999 CL$_{119}$	–
1999 CQ$_{133}$	–
1999 CX$_{131}$	Fulchignoni et al. (2008)
1999 HJ$_{12}$	–
1999 HS$_{11}$	Fulchignoni et al. (2008)
1999 HV$_{11}$	–
1999 LE$_{31}$	–
1999 OD$_{4}$	–
1999 OH$_{4}$	Ragozzine & Brown (2007)
1999 OJ$_{4}$	Fulchignoni et al. (2008)
1999 OJ$_{4}$	–
1999 OK$_{4}$	Ragozzine & Brown (2007)
1999 RB$_{215}$	Marsden (2008)
1999 RC$_{215}$	–
1999 RT$_{214}$	–
1999 RU$_{214}$	Marsden (2008)
1999 RW$_{215}$	Marsden (2008)
1999 RX$_{214}$	Fulchignoni et al. (2008)
1999 TR$_{11}$	–
1999 XY$_{143}$	–
2000 AF$_{255}$	–
2000 CE$_{105}$	–
2000 CF$_{105}$	–
2000 CF$_{105}$	–
2000 CG$_{105}$	Ragozzine & Brown (2007)
	Snodgrass et al. (2010)
2000 CK$_{105}$	–
2000 CL$_{104}$	Fulchignoni et al. (2008)
2000 CO$_{105}$	–
2000 CP$_{104}$	–
2000 FS$_{53}$	–
2000 FV$_{53}$	–
2000 FZ$_{53}$	–
2000 GM$_{137}$	Duffard et al. (2014)
2000 GV$_{146}$	–
2000 HE$_{46}$	–
2000 KK$_{4}$	–
2000 KL$_{4}$	–
2000 OP$_{67}$	Marsden (2008)
2000 OU$_{69}$	–
2000 OX$_{67}$	Fulchignoni et al. (2008)
2000 PD$_{30}$	–
2000 PH$_{30}$	–
2000 QL$_{251}$	Marsden (2008)
2000 QL$_{251}$	–
2000 QN$_{251}$	Marsden (2008)
2000 SR$_{331}$	Marsden (2008)
2001 FL$_{185}$	–
2001 FM$_{194}$	–
2001 KA$_{77}$	Fulchignoni et al. (2008)
	Vilenius et al. (2014)
2001 KD$_{77}$	Fulchignoni et al. (2008)
	Mommert et al. (2012)
2001 KG$_{77}$	–
2001 KY$_{76}$	–
2001 OG$_{109}$	–
2001 OK$_{108}$	–
2001 QC$_{298}$	Ragozzine & Brown (2007)
	Snodgrass et al. (2010)
	Vilenius et al. (2014)
2001 QC$_{298}$	–
2001 QE$_{298}$	Marsden (2008)
2001 QR$_{322}$	Marsden (2008)
	Sheppard & Trujillo (2006)
2001 QS$_{322}$	Vilenius et al. (2014)
2001 QW$_{322}$	–
2001 QW$_{322}$	–
2001 QX$_{322}$	–
2001 UP$_{18}$	Marsden (2008)
2001 XU$_{254}$	–
2001 XZ$_{255}$	–
2002 CB$_{249}$	–
2002 GH$_{32}$	Ragozzine & Brown (2007)
	Snodgrass et al. (2010)
	Vilenius et al. (2014)
2002 GV$_{32}$	Fulchignoni et al. (2008)
2002 GW$_{32}$	Marsden (2008)
2002 PQ$_{152}$	–

Table 10. List of the references for the comments, sorted by object (Cont'd)

Object	References
2002 PU$_{170}$	Marsden (2008)
2002 VD$_{130}$	Marsden (2008)
2002 VV$_{130}$	Marsden (2008)
2002 XV$_{93}$	Mommert et al. (2012)
2003 EL$_{61c}$	Ragozzine & Brown (2007)
2003 FZ$_{129}$	–
2003 HA$_{57}$	Ragozzine & Brown (2007)
2003 HX$_{56}$	Ragozzine & Brown (2007)
2003 LA$_{7}$	Marsden (2008)
2003 QA$_{92}$	–
2003 QD$_{112}$	Jewitt (2009)
2003 QK$_{91}$	–
2003 QQ$_{91}$	–
2003 QR$_{91}$	Vilenius et al. (2014)
2003 QX$_{91}$	Marsden (2008)
2003 QY$_{90}$	–
2003 QY$_{90}$	–
2003 SQ$_{317}$	Ragozzine & Brown (2007)
	Snodgrass et al. (2010)
2003 TH$_{58}$	Ragozzine & Brown (2007)
	Snodgrass et al. (2010)
2003 TJ$_{58}$	–
2003 TJ$_{58}$	–
2003 UT$_{292}$	Mommert et al. (2012)
2003 UY$_{291}$	Sheppard (2010b)
	Sheppard (2010a)
2003 WN$_{188}$	–
2003 WU$_{188}$	Vilenius et al. (2014)
2003 YQ$_{179}$	Marsden (2008)
2004 DA$_{62}$	–
2004 OJ$_{14}$	–
2004 PB$_{108}$	–
2004 PB$_{108}$	–
2004 PW$_{107}$	Marsden (2008)
2004 PY$_{42}$	Bauer et al. (2013)
	Jewitt (2009)
2004 QQ$_{26}$	Duffard et al. (2014)
2004 TT$_{357}$	Marsden (2008)
2004 TV$_{357}$	Marsden (2008)
2004 TX$_{357}$	Marsden (2008)
2004 UP$_{10}$	Sheppard & Trujillo (2006)
2004 XR$_{190}$	–
2005 CA$_{79}$	Marsden (2008)
2005 SE$_{278}$	Marsden (2008)
2005 TN$_{53}$	Sheppard & Trujillo (2006)
2005 TN$_{74}$	Marsden (2008)
2005 TO$_{74}$	Sheppard & Trujillo (2006)
2006 RJ$_{103}$	–
2007 NC$_{7}$	–
2007 TJ$_{422}$	–
2007 VH$_{305}$	Bauer et al. (2013)
2007 VL$_{305}$	Marsden (2008)
2008 JS$_{14}$	Bauer et al. (2013)
2009 QV$_{38}$	Bauer et al. (2013)
2009 YG$_{19}$	–
2010 BK$_{118}$	Bauer et al. (2013)
2010 BL$_{4}$	Bauer et al. (2013)
2010 EK$_{139}$	Pál et al. (2012); **?**
2010 ES$_{65}$	Bauer et al. (2013)
2010 FH$_{92}$	Bauer et al. (2013)
2010 GW$_{147}$	Bauer et al. (2013)
2010 GW$_{64}$	Bauer et al. (2013)
2010 JH$_{124}$	Bauer et al. (2013)
2010 KW$_{7}$	Bauer et al. (2013)
2010 LG$_{61}$	Bauer et al. (2013)
2010 OM$_{101}$	Bauer et al. (2013)
2010 OR$_{1}$	Bauer et al. (2013)
2010 PO$_{58}$	Bauer et al. (2013)
2010 TS$_{191}$	–
2010 TT$_{191}$	–
2010 WG$_{9}$	Bauer et al. (2013)
2011 HM$_{102}$	–
2011 MM$_{4}$	Bauer et al. (2013)
2012 DR$_{30}$	Kiss et al. (2013)
2012 VP$_{113}$	–
2012 YO$_{6}$	–
2013 AZ$_{60}$	–
2013 BL$_{76}$	–
2013 BO$_{16}$	Marsden (2008)
2013 CB$_{204}$	Marsden (2008)
2013 CX$_{217}$	–

Table 10. List of the references for the comments, sorted by object (Cont'd)

Object	References
2013 CY$_{197}$	–
2013 EZ$_{75}$	Brown et al. (2005)
2013 KY$_{18}$	–
2013 LD$_{16}$	–
2013 NS$_{11}$	–
2013 RY$_{98}$	Marsden (2008)
2013 ST$_{39}$	Bauer et al. (2013)
2013 TZ$_{158}$	Bauer et al. (2013)
	Jewitt (2009)
2013 YG$_{48}$	–
2014 CW$_{14}$	–
2014 QO$_{441}$	–
2060-Chiron	Fornasier et al. (2013)
	Fulchignoni et al. (2008)
	Meech et al. (2009)
	Romon-Martin et al. (2003)
2223-Sarpedon	–
2357-Phereclos	–
3548-Eurybates	–
4035-1986 WD	–
4829-Sergestus	–
5130-Ilioneus	–
5145-Pholus	Cruikshank et al. (1998)
	Duffard et al. (2014)
	Fulchignoni et al. (2008)
5244-Amphilochos	–
5258-1989 AU$_{1}$	–
5511-Cloanthus	–
6545-1986 TR$_{6}$	–
6998-Tithonus	–
7066-Nessus	Duffard et al. (2014)
	Fulchignoni et al. (2008)
7352-1994 CO	–
8405-Asbolus	Duffard et al. (2014)
	Fulchignoni et al. (2008)
	Kern et al. (2000)
9030-1989 UX$_{5}$	–
9430-Erichthonio	–
9818-Eurymachos	–
10199-Chariklo	Fornasier et al. (2013)
	Fulchignoni et al. (2008)
	Guilbert et al. (2009)
10370-Hylonome	Duffard et al. (2014)
	Fulchignoni et al. (2008)
11089-1994 CS$_{8}$	–
11351-Leucus	–
11488-1988 RM$_{11}$	–
11663-1997 GO$_{24}$	–
12917-1998 TG$_{16}$	–
12921-1998 WZ$_{5}$	–
13463-Antiphos	–
13862-1999 XT$_{160}$	–
14707-2000 CC$_{20}$	–
15094-Polymele	–
15502-1999 NV$_{27}$	–
15504-1999 RG$_{33}$	–
15535-2000 AT$_{177}$	–
15760-Albion	Fulchignoni et al. (2008)
	?
15788-1993 SB	Fulchignoni et al. (2008)
15789-1993 SC	Fulchignoni et al. (2008)
	Jewitt & Luu (2001)
15807-1994 GV$_{9}$	–
15809-1994 JS	Marsden (2008)
15810-Arawn	**?**
15820-1994 TB	Fulchignoni et al. (2008)
	Lellouch et al. (2013)
15836-1995 DA$_{2}$	Marsden (2008)
15874-1996 TL$_{66}$	Fulchignoni et al. (2008)
	Santos-Sanz et al. (2012)
15875-1996 TP$_{66}$	Fulchignoni et al. (2008)
	Mommert et al. (2012)
15883-1997 CR$_{29}$	Fulchignoni et al. (2008)
15977-1998 MA$_{11}$	–
16684-1994 JQ$_{1}$	Fulchignoni et al. (2008)
17416-1988 RR$_{10}$	–
18060-1999 XJ$_{156}$	–
18137-2000 OU$_{30}$	–
18268-Dardanos	–
18493-Demoleon	–
18940-2000 QV$_{49}$	–

Table 10. List of the references for the comments, sorted by object (Cont'd)

Object	References
19255-1994 VK$_{8}$	Fulchignoni et al. (2008)
19299-1996 SZ$_{4}$	Fulchignoni et al. (2008)
19308-1996 TO$_{66}$	Fulchignoni et al. (2008)
	Peixinho et al. (2012)
	Ragozzine & Brown (2007)
19521-Chaos	Fulchignoni et al. (2008)
	?
	Vilenius et al. (2012)
20000-Varuna	Fulchignoni et al. (2008)
	Lellouch et al. (2013)
	?
	Peixinho et al. (2012)
20108-1995 QZ$_{9}$	–
20161-1996 TR$_{66}$	Marsden (2008)
20738-1999 XG$_{191}$	–
23549-Epicles	–
23694-1997 KZ$_{3}$	–
24233-1999 XD$_{94}$	–
24341-2000 AJ$_{87}$	–
24380-2000 AA$_{160}$	–
24390-2000 AD$_{177}$	–
24420-2000 BU$_{22}$	–
24426-2000 CR$_{12}$	–
24444-2000 OP$_{32}$	–
24452-2000 QU$_{167}$	–
24467-2000 SS$_{165}$	–
24835-1995 SM$_{55}$	Fulchignoni et al. (2008)
	Peixinho et al. (2012)
	Rabinowitz et al. (2008)
	Ragozzine & Brown (2007)
24952-1997 QJ$_{4}$	Fulchignoni et al. (2008)
24978-1998 HJ$_{151}$	–
25347-1999 RQ$_{116}$	–
26181-1996 GQ$_{21}$	Fulchignoni et al. (2008)
	Peixinho et al. (2012)
26308-1998 SM$_{165}$	Fulchignoni et al. (2008)
	Lellouch et al. (2013)
	Marsden (2008)
26308-1998 SM$_{165}$ B	–
26375-1999 DE$_{9}$	Fulchignoni et al. (2008)
	Lellouch et al. (2013)
	Peixinho et al. (2012)
28958-2001 CQ$_{42}$	–
28978-Ixion	Fulchignoni et al. (2008)
	Lellouch et al. (2013)
	?
29981-1999 TD$_{10}$	Fulchignoni et al. (2008)
	Peixinho et al. (2012)
30698-Hippokoon	–
31820-1999 RT$_{186}$	–
31821-1999 RK$_{225}$	–
31824-Elatus	Duffard et al. (2014)
	Fulchignoni et al. (2008)
	Peixinho et al. (2012)
32430-2000 RQ$_{83}$	–
32532-Thereus	Duffard et al. (2014)
	Fulchignoni et al. (2008)
	Peixinho et al. (2012)
32615-2001 QU$_{277}$	–
32794-1989 UE$_{5}$	–
32929-1995 QY$_{9}$	Fulchignoni et al. (2008)
33001-1997 CU$_{29}$	Fulchignoni et al. (2008)
33128-1998 BU$_{48}$	Fulchignoni et al. (2008)
33340-1998 VG$_{44}$	Fulchignoni et al. (2008)
	Lellouch et al. (2013)
34785-2001 RG$_{87}$	–
35671-1998 SN$_{165}$	Fulchignoni et al. (2008)
	Vilenius et al. (2014)
38083-Rhadamanth	Fulchignoni et al. (2008)
	?
38084-1999 HB$_{12}$	Fulchignoni et al. (2008)
38628-Huya	Fornasier et al. (2013)
	Fulchignoni et al. (2008)
	?
	Peixinho et al. (2012)
39285-2001 BP$_{75}$	–
40314-1999 KR$_{16}$	Fulchignoni et al. (2008)
	Santos-Sanz et al. (2012)
42301-2001 UR$_{163}$	Fulchignoni et al. (2008)
	Peixinho et al. (2012)
42355-Typhon	Fulchignoni et al. (2008)
	Peixinho et al. (2012)
	Santos-Sanz et al. (2012)

Table 10. List of the references for the comments, sorted by object (Cont'd)

Object	References
42355-Typhon+B	–
43212-2000 AL_{113}	–
44594-1999 OX_3	Fulchignoni et al. (2008)
	Lellouch et al. (2013)
	Peixinho et al. (2012)
45802-2000 PV_{29}	–
47171-Lempo	Fulchignoni et al. (2008)
	Mommert et al. (2012)
	?
	Peixinho et al. (2012)
	Protopapa et al. (2009)
47171-Lempo+B	–
47932-2000 GN_{171}	Fulchignoni et al. (2008)
	Mommert et al. (2012)
	Peixinho et al. (2012)
47967-2000 SL_{298}	–
48249-2001 SY_{345}	–
48252-2001 TL_{212}	–
48639-1995 TL_8	Fulchignoni et al. (2008)
	Lellouch et al. (2013)
49036-Pelion	Fulchignoni et al. (2008)
50000-Quaoar	Dalle Ore et al. (2009)
	Fornasier et al. (2013)
	?
	Peixinho et al. (2012)
51359-2000 SC_{17}	–
52747-1998 HM_{151}	–
52872-Okyrhoe	Duffard et al. (2014)
	Fulchignoni et al. (2008)
	Peixinho et al. (2012)
52975-Cyllarus	Duffard et al. (2014)
	Fulchignoni et al. (2008)
53469-2000 AX_8	–
54520-2000 PJ_{30}	–
54598-Bienor	Duffard et al. (2014)
	Fulchignoni et al. (2008)
	Peixinho et al. (2012)
55565-2002 AW_{197}	Fulchignoni et al. (2008)
	Peixinho et al. (2012)
	Ragozzine & Brown (2007)
	Vilenius et al. (2014)
55576-Amycus	Duffard et al. (2014)
	Fulchignoni et al. (2008)
55636-2002 TX_{300}	Fulchignoni et al. (2008)
	Lellouch et al. (2013)
	Licandro et al. (2006)
	Peixinho et al. (2012)
	Rabinowitz et al. (2008)
	Ragozzine & Brown (2007)
55637-2002 UX_{25}	Fornasier et al. (2013)
	Fulchignoni et al. (2008)
	Peixinho et al. (2012)
55638-2002 VE_{95}	Barucci et al. (2006)
	Fulchignoni et al. (2008)
	Mommert et al. (2012)
	Peixinho et al. (2012)
56968-2000 SA_{92}	–
58534-Logos	Fulchignoni et al. (2008)
	?
58534-Logos+B	–
59358-1999 CL_{158}	Fulchignoni et al. (2008)
60454-2000 CH_{105}	Fulchignoni et al. (2008)
60458-2000 CM_{114}	–
60458-2000 CM_{114} B	–
60558-Echeclus	Duffard et al. (2014)
	Fulchignoni et al. (2008)
	Jewitt (2009)
60608-2000 EE_{173}	Fulchignoni et al. (2008)
60620-2000 FD_8	Fulchignoni et al. (2008)
60621-2000 FE_8	Fulchignoni et al. (2008)
63252-2001 BL_{41}	Duffard et al. (2014)
	Fulchignoni et al. (2008)
65150-2002 CA_{126}	–
65225-2002 EK_{44}	–
65407-2002 RP_{120}	–
65489-Ceto	Peixinho et al. (2012)
	Santos-Sanz et al. (2012)
65489-Ceto+B	–
66452-1999 OF_4	Fulchignoni et al. (2008)
66652-Borasisi	Fulchignoni et al. (2008)
	?
	Vilenius et al. (2014)

Table 10. List of the references for the comments, sorted by object (Cont'd)

Object	References
66652-Borasisi+B	–
69986-1998 WW_{24}	Fulchignoni et al. (2008)
69987-1998 WA_{25}	–
69988-1998 WA_{31}	Fulchignoni et al. (2008)
	Marsden (2008)
69990-1998 WU_{31}	Fulchignoni et al. (2008)
73480-2002 PN_{34}	Peixinho et al. (2012)
	Santos-Sanz et al. (2012)
76804-2000 QE	–
78799-2002 XW_{93}	Vilenius et al. (2012)
79360-Sila-Nunam	Fulchignoni et al. (2008)
	?
	Peixinho et al. (2012)
	Vilenius et al. (2012)
79360-Sila-Nunam+B	–
79978-1999 CC_{158}	Fulchignoni et al. (2008)
79983-1999 DF_9	Fulchignoni et al. (2008)
80806-2000 CM_{105}	–
82075-2000 YW_{134}	Fulchignoni et al. (2008)
82155-2001 FZ_{173}	Fulchignoni et al. (2008)
82158-2001 FP_{185}	Fulchignoni et al. (2008)
	Santos-Sanz et al. (2012)
83982-Crantor	Duffard et al. (2014)
	Fulchignoni et al. (2008)
84522-2002 TC_{302}	Fornasier et al. (2013)
	Marsden (2008)
	Peixinho et al. (2012)
	Rabinowitz et al. (2008)
84709-2002 VW_{120}	–
84719-2002 VR_{128}	Mommert et al. (2012)
84922-2003 VS_2	Mommert et al. (2012)
	Peixinho et al. (2012)
85627-1998 HP_{151}	–
85633-1998 KR_{65}	Fulchignoni et al. (2008)
86047-1999 OY_3	Ragozzine & Brown (2007)
	Snodgrass et al. (2010)
86177-1999 RY_{215}	Fulchignoni et al. (2008)
	Snodgrass et al. (2010)
	Vilenius et al. (2014)
87269-2000 OO_{67}	–
87555-2000 QB_{243}	Fulchignoni et al. (2008)
88269-2001 KF_{77}	–
88611-Teharonhia	**?**
	Vilenius et al. (2014)
88611-Teharonhia+B	–
90377-Sedna	**?**
	Fulchignoni et al. (2008)
	?
	Pál et al. (2012); **?**
	Peixinho et al. (2012)
90482-Orcus	Fornasier et al. (2013)
	Fulchignoni et al. (2008)
	?
	Peixinho et al. (2012)
90568-2004 GV_9	Peixinho et al. (2012)
	Rabinowitz et al. (2008)
	Vilenius et al. (2012)
91133-1998 HK_{151}	Fulchignoni et al. (2008)
91205-1998 US_{43}	Fulchignoni et al. (2008)
91554-1999 RZ_{215}	Fulchignoni et al. (2008)
95625-2002 GX_{32}	Marsden (2008)
95626-2002 GZ_{32}	Duffard et al. (2014)
	Fulchignoni et al. (2008)
99328-2001 UY_{123}	–
105685-2000 SC_{51}	–
111113-2001 VK_{85}	–
118228-1996 TQ_{66}	Fulchignoni et al. (2008)
118378-1999 HT_{11}	Marsden (2008)
118379-1999 HC_{12}	Fulchignoni et al. (2008)
118698-2000 OY_{51}	Marsden (2008)
118702-2000 OM_{67}	–
119066-2001 KJ_{76}	Marsden (2008)
119067-2001 KP_{76}	Marsden (2008)
119068-2001 KC_{77}	Marsden (2008)
119070-2001 KP_{77}	Fulchignoni et al. (2008)
	Marsden (2008)
119315-2001 SQ_{73}	Duffard et al. (2014)
119951-2002 KX_{14}	Peixinho et al. (2012)
	Vilenius et al. (2012)
119956-2002 PA_{149}	Marsden (2008)
119976-2002 VR_{130}	Duffard et al. (2014)

Table 10. List of the references for the comments, sorted by object (Cont'd)

Object	References
119979-2002 WC$_{19}$	Lellouch et al. (2013)
	Marsden (2008)
120061-2003 CO$_{1}$	Duffard et al. (2014)
120132-2003 FY$_{128}$	Peixinho et al. (2012)
	Santos-Sanz et al. (2012)
120178-2003 OP$_{32}$	Rabinowitz et al. (2008)
	Ragozzine & Brown (2007)
120181-2003 UR$_{292}$	Vilenius et al. (2014)
120216-2004 EW$_{95}$	Mommert et al. (2012)
120347-Salacia	Fornasier et al. (2013)
	Ragozzine & Brown (2007)
	Snodgrass et al. (2010)
120347-Salacia+B	–
120348-2004 TY$_{364}$	Lellouch et al. (2013)
120453-1988 RE$_{12}$	–
121725-Aphidas	Fulchignoni et al. (2008)
123509-2000 WK$_{183}$	–
123509-2000 WK$_{183}$	–
124729-2001 SB$_{173}$	–
126154-2001 YH$_{140}$	Marsden (2008)
127546-2002 XU$_{93}$	Santos-Sanz et al. (2012)
129772-1999 HR$_{11}$	Fulchignoni et al. (2008)
130391-2000 JG$_{81}$	Marsden (2008)
131695-2001 XS$_{254}$	–
131696-2001 XT$_{254}$	Marsden (2008)
131697-2001 XH$_{255}$	Marsden (2008)
133067-2003 FB$_{128}$	–
134340-Pluto	–
134340-Pluto+A	Buie et al. (2010)
	Buie et al. (1992)
134340-Pluto	Fulchignoni et al. (2008)
134340-Pluto+B	Buie et al. (1992)
134340-Pluto+C	–
134340-Pluto+D	–
134568-1999 RH$_{215}$	Marsden (2008)
134860-2000 OJ$_{67}$	Fulchignoni et al. (2008)
134860-2000 OJ$_{67}$	–
135024-2001 KO$_{76}$	Marsden (2008)
135182-2001 QT$_{322}$	Vilenius et al. (2014)
135571-2002 GG$_{32}$	Marsden (2008)
135742-2002 PB$_{171}$	Marsden (2008)
136108-Haumea	Fornasier et al. (2013)
	Fulchignoni et al. (2008)
	Lacerda (2009)
	?
	Pinilla-Alonso et al. (2009)
	Peixinho et al. (2012)
	Rabinowitz et al. (2008)
	Trujillo et al. (2007)
136120-2003 LG$_{7}$	Marsden (2008)
136199-Eris	Fulchignoni et al. (2008)
	Lellouch et al. (2013)
	?
136204-2003 WL$_{7}$	Duffard et al. (2014)
136472-Makemake	Brown et al. (2007)
	Lellouch et al. (2013)
	?
	Ragozzine & Brown (2007)
137294-1999 RE$_{215}$	Fulchignoni et al. (2008)
137295-1999 RB$_{216}$	Fulchignoni et al. (2008)
	Marsden (2008)
138537-2000 OK$_{67}$	Vilenius et al. (2014)
143685-2003 SS$_{317}$	Marsden (2008)
143707-2003 UY$_{117}$	Marsden (2008)
143751-2003 US$_{292}$	Marsden (2008)
144897-2004 UX$_{10}$	Mommert et al. (2012)
145451-2005 RM$_{43}$	Rabinowitz et al. (2008)
145452-2005 RN$_{43}$	Vilenius et al. (2012)
145453-2005 RR$_{43}$	Pinilla-Alonso et al. (2007)
	Rabinowitz et al. (2008)
	Ragozzine & Brown (2007)
145480-2005 TB$_{190}$	Santos-Sanz et al. (2012)
145486-2005 UJ$_{438}$	Duffard et al. (2014)
148209-2000 CR$_{105}$	–
148780-Altjira	Fulchignoni et al. (2008)
	Vilenius et al. (2014)
148780-Altjira+B	–
148975-2001 XA$_{255}$	Bauer et al. (2013)
149349-2002 VA$_{131}$	Marsden (2008)
149560-2003 QZ$_{91}$	–
150642-2001 CZ$_{31}$	Fulchignoni et al. (2008)

Table 10. List of the references for the comments, sorted by object (Cont'd)

Object	References
160147-2001 KN$_{76}$	Marsden (2008)
160427-2005 RL$_{43}$	–
163135-2002 CT$_{22}$	–
163216-2002 EN$_{68}$	–
168700-2000 GE$_{147}$	–
168703-2000 GP$_{183}$	Fulchignoni et al. (2008)
174567-Varda	Vilenius et al. (2014)
175113-2004 PF$_{115}$	Mommert et al. (2012)
181708-1993 FW	Fulchignoni et al. (2008)
181855-1998 WT$_{31}$	Fulchignoni et al. (2008)
	Ragozzine & Brown (2007)
	Snodgrass et al. (2010)
181867-1999 CV$_{118}$	Marsden (2008)
181871-1999 CO$_{153}$	Marsden (2008)
181874-1999 HW$_{11}$	–
181902-1999 RD$_{215}$	–
182222-2000 YU$_{1}$	Marsden (2008)
182294-2001 KU$_{76}$	Marsden (2008)
182397-2001 QW$_{297}$	–
182933-2002 GZ$_{31}$	–
182934-2002 GJ$_{32}$	Fulchignoni et al. (2008)
	Vilenius et al. (2014)
183964-2004 DJ$_{71}$	Marsden (2008)
192388-1996 RD$_{29}$	–
192929-2000 AT$_{44}$	–
202421-2005 UQ$_{513}$	Ragozzine & Brown (2007)
	Snodgrass et al. (2010)
	Vilenius et al. (2014)
208996-2003 AZ$_{84}$	Fulchignoni et al. (2008)
	Mommert et al. (2012)
	Rabinowitz et al. (2008)
225088-Gonggong	Santos-Sanz et al. (2012)
229762-2007 UK$_{126}$	Santos-Sanz et al. (2012)
230965-2004 XA$_{192}$	Vilenius et al. (2014)
248835-2006 SX$_{368}$	Duffard et al. (2014)
250112-2002 KY$_{14}$	Duffard et al. (2014)
275809-2001 QY$_{297}$	Fulchignoni et al. (2008)
	Vilenius et al. (2014)
275809-2001 QY$_{297}$	–
278361-2007 JJ$_{43}$	–
281371-2008 FC$_{76}$	Duffard et al. (2014)
303775-2005 QU$_{182}$	Santos-Sanz et al. (2012)
307251-2002 KW$_{14}$	Vilenius et al. (2014)
307261-2002 MS$_{4}$	Vilenius et al. (2012)
307463-2002 VU$_{130}$	Mommert et al. (2012)
307616-2003 QW$_{90}$	–
307982-2004 PG$_{115}$	–
308193-2005 CB$_{79}$	Ragozzine & Brown (2007)
308933-2006 SQ$_{372}$	–
309139-2006 XQ$_{51}$	Bauer et al. (2013)
309239-2007 RW$_{10}$	**?**
	Santos-Sanz et al. (2012)
309737-2008 SJ$_{236}$	Bauer et al. (2013)
309741-2008 UZ$_{6}$	–
310071-2010 KR$_{59}$	Bauer et al. (2013)
315898-2008 QD$_{4}$	–
316431-2010 TH$_{167}$	Bauer et al. (2013)
328884-2010 LJ$_{109}$	Bauer et al. (2013)
330759-2008 SO$_{218}$	Bauer et al. (2013)
332685-2009 HH$_{36}$	Bauer et al. (2013)
336756-2010 NV$_{1}$	Bauer et al. (2013)
341275-2007 RG$_{283}$	–
341520-Mors-Somn	–
341520-Mors-Somn+A	–
341520-Mors-Somn+B	–
342842-2008 YB$_{3}$	Bauer et al. (2013)
	Sheppard (2010a)
346889-Rhiphonos	–
349933-2009 YF$_{7}$	–
382004-2010 RM$_{64}$	Bauer et al. (2013)
385185-1993 RO	Fulchignoni et al. (2008)
385191-1997 RT$_{5}$	–
385194-1998 KG$_{62}$	Fulchignoni et al. (2008)
385199-1999 OE$_{4}$	Fulchignoni et al. (2008)
385437-2003 GH$_{55}$	Vilenius et al. (2014)
385446-Manwe	Marsden (2008)
385446-Manwe+B	–
385527-2004 OK$_{14}$	Marsden (2008)
385571-Otrera	–
385607-2005 EO$_{297}$	Marsden (2008)
	Sheppard (2010b)
	Sheppard (2010a)

Table 10. List of the references for the comments, sorted by object (Cont'd)

Object	References
385695-2005 TO_{74}	–
413666-2005 VJ_{119}	Bauer et al. (2013)
416400-2003 UZ_{117}	Ragozzine & Brown (2007)
418993-2009 MS_{9}	–
427507-2002 DH_{5}	Fulchignoni et al. (2008)
427581-2003 QB_{92}	Marsden (2008)
444030-2004 NT_{33}	Vilenius et al. (2014)
444745-2007 JF_{43}	Marsden (2008)
445473-2010 VZ_{98}	–
447178-2005 RO_{43}	Duffard et al. (2014)
449097-2012 UT_{68}	–
455171-1999 OM_{4}	Fulchignoni et al. (2008)
455502-2003 UZ_{413}	–
459865-2013 XZ_{8}	–
459971-2014 ON_{6}	–
463368-2012 VU_{85}	–
463663-2014 HY_{123}	–
469306-1999 CD_{158}	Fulchignoni et al. (2008)
	Marsden (2008)
	Ragozzine & Brown (2007)
	Snodgrass et al. (2010)
469333-2000 PE_{30}	Fulchignoni et al. (2008)
469362-2001 KB_{77}	–
469372-2001 QF_{298}	Fulchignoni et al. (2008)
	Mommert et al. (2012)
469420-2001 XP_{254}	Marsden (2008)
469438-2002 GV_{31}	Vilenius et al. (2012)
469505-2003 FE_{128}	Marsden (2008)
469514-2003 QA_{91}	Vilenius et al. (2014)
469615-2004 PT_{107}	Ragozzine & Brown (2007)
	Snodgrass et al. (2010)
	Vilenius et al. (2014)
469705-2005 EF_{298}	Vilenius et al. (2012)
469708-2005 GE_{187}	Snodgrass et al. (2010)
469750-2005 PU_{21}	–
469987-2006 HJ_{123}	Mommert et al. (2012)
470308-2007 JH_{43}	Marsden (2008)
470309-2007 JK_{43}	–
470316-2007 OC_{10}	Santos-Sanz et al. (2012)
470599-2008 OG_{19}	–
471143-Dziewanna	–
471339-2011 ON_{45}	–
474640-2004 VN_{112}	–
506479-2003 HB_{57}	–
508770-1995 WY_{2}	Fulchignoni et al. (2008)
508788-2000 CQ_{114}	–
508788-2000 CQ_{114}	–
523588-2000 CN_{105}	–
523591-2001 QD_{298}	Vilenius et al. (2014)
523597-2002 QX_{47}	–
523620-2007 RH_{283}	–
523622-2007 TG_{422}	–
523676-2013 UL_{10}	–
523785-2015 CM_{3}	–
523794	–
523899-1997 CV_{29}	–
523955-1998 UU_{43}	Marsden (2008)
523965-1998 XY_{95}	Fulchignoni et al. (2008)
523983-1999 RY_{214}	Fulchignoni et al. (2008)
524049-2000 CQ_{105}	–
524217-2001 RZ_{143}	Vilenius et al. (2012)
524365-2001 XQ_{254}	Marsden (2008)
524366-2001 XR_{254}	Vilenius et al. (2014)
524366-2001 XR_{254}	–
524460-2002 GF_{32}	Fulchignoni et al. (2008)
524834-2003 YL_{179}	–
525462-2005 EO_{304}	–
525462-2005 EO_{304}	–
525815-2005 SD_{278}	Marsden (2008)
525816-2005 SF_{278}	Marsden (2008)
527328-2007 TK_{422}	–
527443-2007 UM_{126}	–
527603-2007 VJ_{305}	–
527604	–
528219-2008 KV_{42}	Sheppard (2010b)
	Sheppard (2010a)
530664	–
530930	–

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