
INTERNATIONAL COMET QUARTERLY

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- 1 C/2006 M4 (SWAN)
- 2 C/2006 P1 (McNaught)
- 3 2P/Encke
- 4 8P/Tuttle

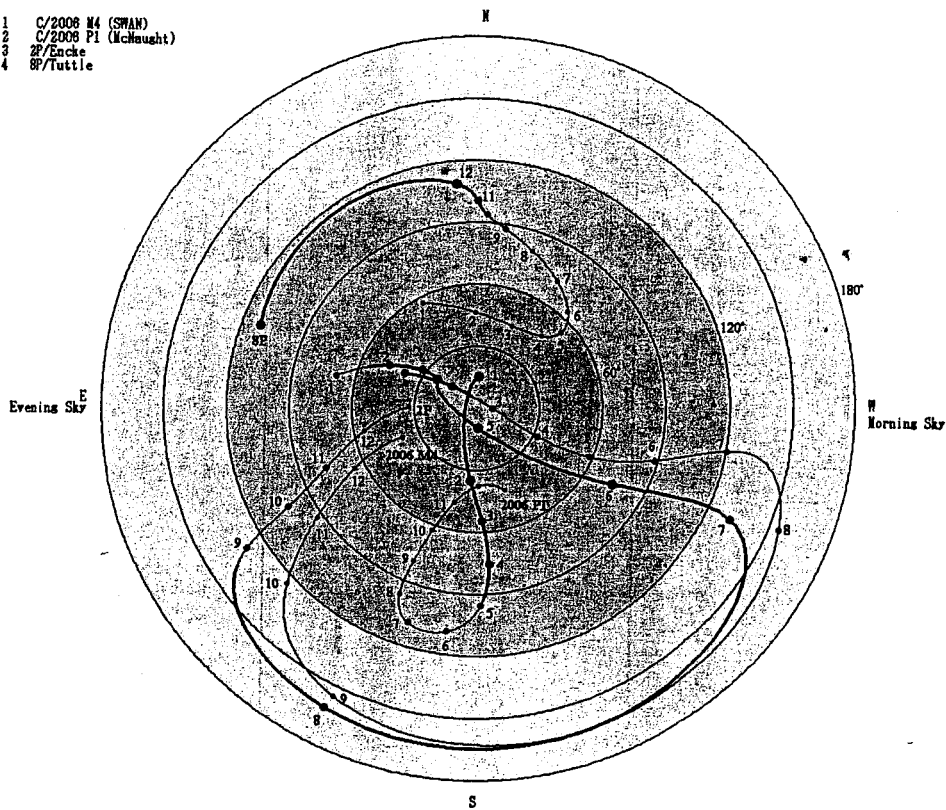


Diagram prepared by Syuichi Nakano for the forthcoming *ICQ 2007 Comet Handbook*, depicting the apparent solar elongation of comets C/2006 M4, C/2006 P1, 2P, and 8P during the year 2007. The innermost circle centered on the sun is for elongation 30° . The numerically labelled points along each comet's path represent the beginning of each month of the year.



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Manuscripts will be reviewed/refereed for possible publication; authors should first obtain a copy of “Information and Guidelines for Authors” from the *ICQ* website or from the Editor. Cometary observations should be sent to the Editor in Cambridge; again, see the *ICQ* website or contact the Editor for the proper format. Those who can send observational data (or manuscripts) in machine-readable form are encouraged to do so [especially through e-mail via the Internet (ICQ@CFA.HARVARD.EDU)]. The *ICQ* has extensive information for comet observers on the World Wide Web, including the Keys to Abbreviations used in data tabulation (see URL <http://cfa-www.harvard.edu/icq/icq.html>). In early 1997, the *ICQ* published a 225-page *Guide to Observing Comets*; this edition is now out of print, but a revised edition is under preparation.

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CORRIGENDA

- In the July 2005 issue, page 93 (Shao obituary), line 1, for know read known
- In the July 2005 issue, page 93 (Shao obituary), paragraph 3, last line, for Czechslovakia). read Czechoslovakia).
- In the July 2005 issue, page 102, line below the second image, for page 103] READ page 101]

COMETS FOR THE VISUAL OBSERVER IN 2007

Alan Hale

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Several short-period comets are expected to become moderately bright during 2007, along with several additional fainter objects. One recently-discovered long-period comet may possibly become a bright object near the beginning of the year, and a handful of fainter long-period comets may also become visually detectable.

Long-Period Comets

C/2006 P1 (McNaught)

At this writing in mid-November 2006, this comet has brightened to total visual magnitude $m_1 \sim 9$, although it is a difficult object at small elongation. If C/2006 P1 maintains the brightening trend it has exhibited over the past two months, it may conceivably be observable from the northern hemisphere during the first few days of 2007 as a bright object ($m_1 \sim 2-3$) at a small elongation (15°) in the evening sky.

Around the time of perihelion passage on January 12, the comet will be less than 10° from the sun and thus almost certainly unobservable from the ground, but for a few days should be detectable in LASCO C3 images taken from SOHO. If it survives perihelion, it may subsequently become observable from the southern hemisphere by the latter part of January, perhaps as bright as $m_1 \sim 2-3$. C/2006 P1 continues to head southward (entering southern circumpolar skies by mid-February) and, depending upon how rapidly it fades, may remain visually observable until perhaps April.

C/2006 L2 (McNaught)

At this writing, this comet is near conjunction, some 35° north of the sun. Over the next few months, it continues to travel northward, entering northern circumpolar skies by the end of February 2007. C/2006 L2 is presently near its expected brightest ($m_1 \sim 13$) and should remain visually detectable until about March.

C/2005 YW (LINEAR)

This comet is presently observable in the morning sky at $m_1 \sim 13$. C/2005 YW is presently near its brightest (perhaps gaining a couple of tenths of a magnitude by the end of 2006) and should remain visually observable until near the end of March 2007. While presently visible from both hemispheres, the comet is traveling southward and enters southern circumpolar skies by the end of January.

C/2005 EL₁₇₃ (LONEOS)

This comet is also presently visible in the morning sky, but apparently still too faint for visual observations; the most recent CCD measurements at this writing indicate $m_1 \sim 15-16$. It is at opposition at the very beginning of 2007 and, theoretically, should then be near its brightest, although — since C/2005 EL₁₇₃ will still be approaching perihelion for the next two months — it conceivably could brighten slightly further.

C/2006 K3 (McNaught)

This comet is presently in southern circumpolar skies and is at opposition in early December 2006. C/2006 K3 subsequently heads north and, although it remains better placed for the southern hemisphere, observers in the northern hemisphere have a brief viewing window in February and March before it begins entering solar conjunction in April. Recent CCD measurements indicate the comet as being quite faint ($m_1 \sim 16-17$), but it is conceivable that it could brighten as it approaches perihelion and thus might become visually detectable.

C/2006 K4 (NEAT)

After being in conjunction in early 2007, this comet emerges into the morning sky by early March and is at opposition in mid-July. It conceivably could reach $m_1 \sim 14$ during the latter months of 2007, and is primarily a southern-hemisphere object; C/2006 K4 enters southern circumpolar skies around August. It is near conjunction (some 40° south of the sun) at the time of perihelion passage in late November, and may continue to be visually observable from the southern hemisphere during the first few months of 2008.

P/2006 S5 (Hill)

This recently-discovered comet is well-placed for observation during the last few months of 2007, being at opposition in mid-January 2008 a little over one month after perihelion passage. Brightness predictions are necessarily uncertain, but a peak brightness of $m_1 \sim 13$ during the last one-to-two months of 2007 and first one-to-two months of 2008 would seem reasonable.

C/2005 L3 (McNaught)

Discovered as long ago as June 2005, this comet was reported at $m_1 \sim 15$ by numerous CCD measurements when near opposition in mid-2006. A peak brightness of $m_1 \sim 14$ thus seems reasonable around the time of the comet's next opposition in mid-June 2007, and likewise at the subsequent opposition in May 2008.

C/2006 Q1 (McNaught)

This comet may be near $m_1 \sim 12$ -13 during the last few months of 2007, en route to opposition in mid-February 2008; it will be at a moderately high southerly declination (-45°), and thus the southern hemisphere is favored. As *C/2006 Q1* approaches perihelion in mid-2008, it begins moving north and should brighten by 1-2 magnitudes.

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TABLE 1.
PERIHELION INFORMATION FOR POTENTIALLY VISUAL COMETS IN 2007

Designation/Name	T (TT)	q (AU)
29P/Schwassmann-Wachmann	2004 July 10.8	5.72
4P/Faye	2006 Nov. 15.4	1.67
<i>C/2006 L2</i> (McNaught)	2006 Nov. 20.2	1.99
<i>C/2005 YW</i> (LINEAR)	2006 Dec. 7.8	1.99
<i>C/2006 HR</i> ₃₀ (Siding Spring)	2007 Jan. 2.3	1.23
<i>C/2006 P1</i> (McNaught)	2007 Jan. 12.8	0.17
<i>P/2001 Q2</i> (Petriew)	2007 Feb. 24.6	0.94
<i>C/2005 EL</i> ₁₇₃ (LONEOS)	2007 Mar. 5.89	3.89
<i>C/2006 K3</i> (McNaught)	2007 Mar. 13.4	2.50
96P/Machholz	2007 Apr. 4.6	0.12
2P/Encke	2007 Apr. 19.3	0.34
2006 WD ₄	2007 Apr. 27.0	0.54
<i>C/2006 VZ</i> ₁₃ (LINEAR)	2007 Aug. 11.6	1.02
50P/Arend	2007 Nov. 1.2	1.92
<i>C/2006 K4</i> (NEAT)	2007 Nov. 29.4	3.20
<i>C/2006 S5</i> (Hill)	2007 Dec. 9.7	2.63
<i>P/1990 V1</i> (Shoemaker-Levy)	2007 Dec. 12.9	1.46
93P/Lovas	2007 Dec. 17.4	1.70
(3200) Phaethon	2008 Jan. 13.8	0.14
<i>C/2005 L3</i> (McNaught)	2008 Jan. 16.0	5.59
8P/Tuttle	2008 Jan. 26.9	1.03
46P/Wirtanen	2008 Feb. 2.4	1.06
110P/Hartley	2008 Feb. 3.5	2.49
<i>C/2006 Q1</i> (McNaught)	2008 July 3.8	2.76

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Short-Period Comets: Brighter Objects

29P/Schwassmann-Wachmann

This remarkable comet has been unusually active for the past few years, and in fact has been in almost continuous outburst since emerging into the morning sky in mid-2006 (although at this writing, 29P is a very diffuse object visually and, barring any further outburst activity, may soon fade beyond visual range). It is presently near opposition and should remain accessible until April 2007. Following conjunction in June, 29P again emerges into the morning sky by the end of July and is well placed for observation throughout the remainder of the year, being at opposition in late December. Based upon its recent activity level it would seem likely that several additional outbursts may take place during this time.

4P/Faye

After peaking at $m_1 \sim 10$ when near perihelion in mid-November 2006, this comet will presumably have faded to $m_1 \sim 11$ by the beginning of 2007, and should remain visually detectable for the first one-to-two months of the year.

96P/Machholz

The geometry of this object's 2007 return is quite similar to that at its discovery return in 1986. The comet remains at a small elongation on the inbound approach to perihelion (when, historically, it tends to remain faint and inactive anyway), and should be detectable with the LASCO C3 coronagraph aboard SOHO for a few days when near perihelion. Afterwards, it emerges into the morning sky around mid-April and should be a moderately bright object at $m_1 \sim 8-9$ — although based upon past returns, 96P tends to fade rapidly and will most likely be beyond visual range when it passes 0.60 AU from the earth in late May. While the comet's post-perihelion trajectory generally tends to favor the northern hemisphere, the geometry is such that the current return should also be visible from the southern hemisphere as well.

2P/Encke

Following its exceptionally favorable return in 2003, this comet's 2007 return is distinctly less favorable, especially as seen from the northern hemisphere. Its elongation in the evening sky will already have decreased to $\sim 30^\circ$ by the time that 2P becomes visually detectable ($m_1 \sim 12-13$) in late February or early March, although the elongation decreases quite slowly after that point, being 25° in late March (the comet perhaps being $m_1 \sim 9$) and 20° in mid-April shortly before perihelion (the comet then perhaps being $m_1 \sim 7$). Afterwards, the comet is in conjunction in late April (briefly becoming visible in the LASCO C3 coronagraph aboard SOHO) and emerges into the southern hemisphere's morning sky by about the second week of May ($m_1 \sim 7-8$). It subsequently passes 0.51 from the earth in the middle of that month ($m_1 \sim 8-9$) and should fade fairly rapidly after that, most likely being beyond visual range by early June.

50P/Arend

This comet has apparently never been observed visually, although this is due in large part to a series of unfavorable returns that 50P underwent from the 1960s through the 1990s. The geometry at the present return is very favorable, however, with opposition and perihelion taking place almost simultaneously. Photographic measurements of $m_1 \sim 14$ were reported at the comet's discovery return of 1951 (when, q was 0.1 AU smaller than at present), and thus a peak visual magnitude of $m_1 \sim 12-13$ would seem reasonable. Visual observations may be possible from perhaps August-September 2007 through perhaps January-February 2008; due to the comet's declination near $+45^\circ$ around perihelion, the northern hemisphere is favored.

8P/Tuttle

This is likely to be the best periodic comet of 2007. It is located in northern circumpolar skies when it first becomes visually detectable around October ($m_1 \sim 12-13$); it in fact passes $1^\circ 5'$ from the north celestial pole early that month. It remains north of $+80^\circ$ until early December (brightening to $m_1 \sim 8-9$) and then begins a rapid southward march as 8P approaches the earth, becoming visible from the southern hemisphere by the end of the month.

The comet passes 0.25 AU from the earth on 2008 January 1; at that time, it is located high in the evening sky at a declination of $\sim +25^\circ$, traveling southward at 4° per day and probably as bright as $m_1 \sim 6-7$. Comet 8P continues to remain visually observable for the first few months of 2008 but enters southern circumpolar skies in March.

46P/Wirtanen

This comet is at opposition near the beginning of September 2007 and should become visually observable ($m_1 \sim 12-13$) by sometime in November. By the end of the year, 46P is conveniently located in the evening sky at an elongation of 70° , and should have brightened to $m_1 \sim 10-11$. It remains visually observable for the first few months of 2008, and should brighten by an additional magnitude by the time it passes perihelion in early February.

Short-Period Comets: Fainter Objects*P/2006 HR₃₀ (Siding Spring)*

This object exhibited entirely asteroidal behavior during the first three months following its discovery in April 2006, but then began displaying weak cometary activity. Its brightness behavior has nevertheless remained asteroidal to a fairly large extent, and at this writing is still only at $m_1 \sim 14.5$ (and appearing almost stellar visually). The comet passes perihelion in early January 2007 and is nearest to the earth ($\Delta = 0.75$ AU) during the latter part of that month; if P/2006 HR₃₀ continues to exhibit an asteroidal light curve, a peak brightness of $m_1 \sim 14$ should be achieved throughout most of January. (If it begins exhibiting more cometary activity, it would be expected to become somewhat brighter than this.) In any event, it will most likely fade rapidly afterwards, being undetectable visually after March. When brightest, the comet is at a declination near $+45^\circ$; thus the northern hemisphere is favored for observations.

P/2001 Q2 (Petriew)

This comet is making its first predicted return since its discovery in 2001, but despite being only two months away from perihelion passage, it remains unrecovered as of this writing. P/2001 Q2 already passed opposition in June 2006 and is presently in the evening sky; the elongation remains between 27° and 30° for the first two months of 2007 and, although it increases slightly after that, it never exceeds 40° . If the comet exhibits the same brightness behavior that it exhibited in 2001, it should reach a peak brightness of $m_1 \sim 12$ in late February and early March, but observations will remain difficult and most likely restricted to the northern hemisphere.

P/1990 V1 (Shoemaker-Levy)

This object is making its first predicted return since its discovery in 1990. It is at opposition (near declination -55°) near the beginning of July and, although it begins traveling northward shortly thereafter, it remains in southern skies for most of the rest of the year (finally passing north of -30° in mid-December). In 1990, P/1990 V1 was not discovered until 1.5 months after perihelion, and thus its brightness behavior until that point is necessarily uncertain; however, if its light curve is symmetric with respect to perihelion and it exhibits the same basic brightness that it exhibited in 1990, it should reach a peak brightness of $m_1 \sim 12-13$ during the last two months of 2007.

93P/Lovas

This comet's 2007 return is somewhat similar to the previous two in 1989 and 1998, although with a perihelion date two months later than during those returns the geometry is somewhat less favorable, and it correspondingly might be expected to be somewhat fainter. Comet 93P/Lovas is at opposition in early October and should be visually observable at $m_1 \sim 13-14$ during the last one-to-two months of 2007 and the first one-to-two months of 2008.

110P/Hartley

This comet was visually observable at $m_1 \sim 14$ during the previous return in 2001; at the present return, the geometry is quite similar (in fact, slightly better). The comet is at opposition in mid-December 2007 and should be near its peak brightness of $m_1 \sim 13-14$ around that time.

C/2006 VZ₁₃ (LINEAR)

Discovered by the LINEAR survey, C/2006 VZ₁₃ passes 0.6 AU from the earth in mid-July; assuming an asteroidal brightness behavior indicates a peak brightness of $m_v \sim 14.5$ occurring around that time — although this object should be somewhat brighter than that.

Other Objects*(3200) Phaethon*

This object, the presumed parent of the Geminid meteors, passes 0.121 AU from the earth on 2007 December 10, the closest geocentric approach it has made since its discovery by IRAS in 1983. It should become visually detectable at $m_v \sim 15$ sometime after mid-November and reach a peak brightness of $m_v \sim 13$ in early December, at which time it will be in the morning sky and moving southeast at 8° per day. After its close approach, (3200) passes inside the earth's orbit and fades rapidly. All observations that have been conducted of this object since its discovery have so far failed to reveal any indications of cometary activity, and while that will most likely continue to be the case during this appearance, observations of all types (including visual) are nevertheless worthwhile.

In addition to all of the above objects, a recently-discovered apparent asteroid is traveling in a retrograde and distinctly cometary orbit, passing perihelion during 2007; if 2006 WD₄ turns out to be a comet, it should become bright enough for visual detection. Discovered by the Mt. Lemmon survey, 2006 WD₄ is apparently in a highly elliptical orbit ($e = 0.98$, $P \sim 175$ years). After perihelion passage, it passes 0.3 AU from the earth in mid-May; because it is approaching from the sunward side, its phase angle is large, and an asteroidal object would be very faint. If, however, it exhibits cometary activity, it may well be detectable visually.

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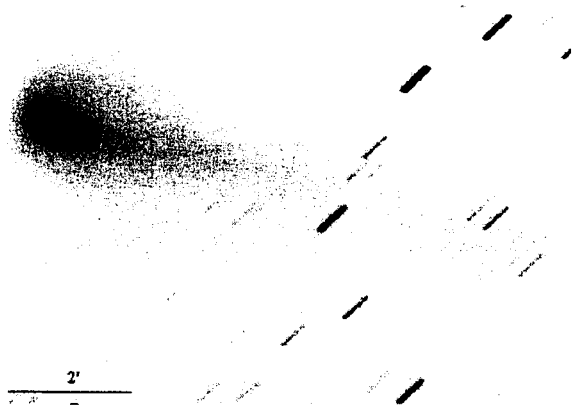
Tabulation of Comet Observations

In columns 81-82 of the tabulated CCD data for the *ICQ* archive, one can write 'MA' when multiple stars are used at different air masses. New camera codes for the CCD data: STE = StarLight Express SXL8; STL = SBIG STL-11000M. New camera-chip codes: F48 = Fairchild CCD486 4000x4000 CCD; KA1 = KAI-11000M (Kodak); PF1 = Philips FT12. New photometric-software code: AA3 = *ASTROART for Photometry*, version 3.0.

Descriptive Information, to complement the Tabulated Data (all times UT):

See the July 2001 issue (page 98) for explanations of the abbreviations used in the descriptive information.

◊ Comet 4P/Faye \Rightarrow 2006 July 3.01, 6.00, and 20.97: low alt. [SRB]. July 20.97: bright star of mag 8.1 located 0'6 from the central cond. [SRB]. Aug. 4.76: $B-V$ values of comp. stars were +0.45, +0.76, and +0.93 [YOS02]. Aug. 4.76 and Oct. 16.58: *Guide 8.0* software used for comp.-star mags [YOS02]. Aug. 14.65: comp. star has $B-V = +0.35$ [TSU02]. Aug. 14.65, Sept. 1.65, and 19.61: *Guide 8.0* software used for comp.-star mags [TSU02]. Aug. 22.20: comp. stars have $V = 11.42$ ($B-V = +0.37$) and 12.08 (+0.70) [AMO01]. Aug. 24.67, Sept. 20.78, 26.60, Oct. 2.81, 21.72, and 23.76: *Guide 8.0* software used for comp.-star mags [YOS02]. Aug. 24.71, Oct. 16.56, and 29.76: *Guide 8.0* software used for comp.-star mags [NAG04]. Sept. 1.65: comp. star has $B-V = +0.74$ [TSU02]. Sept. 19.61: comp. star has $B-V =$



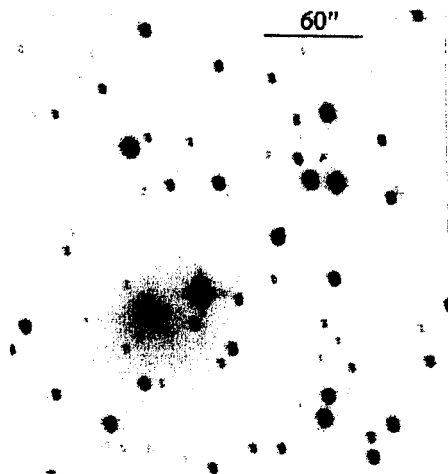
Unfiltered CCD image of comet 4P/Faye (average of forty 90-sec exposures) taken with a 45-cm $f/4.4$ L (+ SXV-M7 camera) on 2006 Sept. 22.00 UT by G. Sostero and E. Guido at Remanzacco Observatory in Italy. North is up and east to the left. The scale bar at lower left represents 2 arcmin.

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[text continued from page 134]

+0.52 [TSU02]. Oct. 15.61: $B-V$ values of comp. stars were +0.52, +0.58, and +0.72 [NAG08]. Oct. 15.61 and 16.80: *StellaNavigator* ver. 6.1 software used for comp.-star mags [NAG08]. Oct. 15.91: surprisingly bright w/ a pronounced false nucleus of mag 12.5; tail rather well visible [KAM01]. Oct. 16.58: $B-V$ values of comp. stars were +0.74, +0.79, and +0.81 [YOS02]. Oct. 16.80: $B-V$ values of comp. stars were +0.52, +0.60, and +0.72 [NAG08]. Oct. 16.91: at 109 \times , faint tail 0 $^{\circ}$ 1 long in p.a. 255 $^{\circ}$ [BOU]. Oct. 24.51: under somewhat-hazy evening sky [SEA]. Oct. 28.50: "comet appeared fainter through Swan Band Filter" [SEA]. Oct. 30.94: easy object w/ moderately bright coma and star-like false nucleus of mag 11.5; tail difficult [KAM01].

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CCD image of comet 29P by Sostero and Guido taken on 2006 Sept. 22.12 (average of twenty 90-sec unfiltered exposures); north is up and east to the left (the bar at top represents a scale of 60 arcsec).

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◇ Comet 29P/Schwassmann-Wachmann \Rightarrow 2005 Oct. 25.88 and 27.86: Tycho-catalogue ref. star 1757.610.1 ($B-V = +0.55$ [SCA02]. Oct. 25.88: thirty co-added 30-sec unfiltered images show a well-condensed false nucleus with a faint but clear coma [SCA02]. Oct. 27.86: slight haze [SCA02]. Dec. 19.73: comp. star has $V = 11.1$, $B-V = +0.60$ [SCA02]. 2006 Jan. 19.81 and 23.63: comp. star has $B-V = +0.84$ [SCA02]. Jan. 23.63: outburst in progress [SCA02]. Jan. 25.74: comp. star has $V = 9.62$, $B-V = +0.69$ [SCA02]. Feb. 1.73: coma large and asymmetric; comp. star has $V = 10.18$, $B-V = +0.56$ [SCA02]. Feb. 2.74: coma still large and asymmetric; comp. star has $V = 10.9$, $B-V = +0.31$ [SCA02]. Feb. 3.76: moonlight; comp. star has $V = 11.3$ [SCA02]. Feb. 13.76: moonlight; overimposed on a star of mag 15.4; comp. star has $V = 9.88$, $B-V = +0.32$ [SCA02]. Feb. 19.79: comet in strong outburst, showing a stellar appearance; comp. star has $V = 9.59$, $B-V = +1.39$ [SCA02]. Mar. 3.76: "moonlight; outburst continuing (more intense and prolonged in time than the outburst of Jan.)"; comp. star has $V = 11.17$, $B-V = +0.30$ [SCA02]. Mar. 16.77 and 17.76: comp. star has $V = 8.64$, $B-V = +0.39$ [SCA02]. Mar. 21.78: comp. star has $V = 12.28$, $B-V = +0.92$ [SCA02]. Mar. 27.75: "comet diffuse,

large coma and little central cond.”; comp. star has $V = 10.84$, $B-V = +0.78$ [SCA02]. Mar. 31.76: comp. star has $V = 9.60$, $B-V = +0.92$ [SCA02]. Apr. 2.78: comp. star has $V = 9.50$, $B-V = +0.49$ [SCA02]. July 26.03: low alt.; star of mag 15.6 located 0'.2 from the central cond. [SRB]. Aug. 22.69: very diffuse, weak object w/ no cond. [YOS04]. Sept. 22.90 and 25.92: no other diffuse objects visible on Digitized Sky Survey [RES]. Sept. 25.92: “confirmation of previous obs. (Sept. 13-22)” [RES]. Sept. 27.68: “clearly visible, unexpectedly, but the cond. was weak” [YOS04]. Oct. 16.60: *Guide 8.0* software used for comp.-star mags; $B-V$ values of comp. stars were +0.53, +0.53, and +0.60 [YOS02]. Oct. 31.66: “brightest and largest [appearance of this comet] among my recent obs. of 29P; central part is well condensed, surrounded by a large, diffuse coma” [YOS04].

◊ *Comet 41P/Tuttle-Giacobini-Kresák* \Rightarrow 2006 Mar. 3.79: diffuse object with a little outer coma; comp. star has $V = 11.94$, $B-V = +1.04$ [SCA02]. Apr. 2.80: comp. star has $V = 9.63$, $B-V = +0.95$ [SCA02]. Apr. 12.76 Cousins *R* filter used; comp. star has $V = 6.64$, $B-V = +1.11$ [SCA02]. May 11.80: large coma and a marked central cond.; comp. star has $V = 10.81$, $B-V = +0.29$ [SCA02]. July 2.87: low alt.; moonlight [SRB]. July 5.87: low alt. [SRB]. July 17.81: comp. star has $V = 9.30$, $B-V = +0.49$ [SCA02]. July 19.88: low alt.; twilight [SRB]. July 20.83: comp. star has $V = 9.84$, $B-V = +0.42$ [SCA02].

◊ *Comet 71P/Clark* \Rightarrow 2006 Aug. 12.95: comp. stars have $V = 10.66$ ($B-V = +0.33$) and $V = 11.46$ ($B-V = +0.50$) [AMO01]. Aug. 19.46: glimpsed in 25×100 B at mag ≈ 11.6 , but close to a star [SEA]. Aug. 22.04: comp. stars have $V = 11.28$ ($B-V = +0.22$) and $V = 11.94$ ($B-V = +0.22$) [AMO01]. Aug. 24.92: comp. stars have $V = 11.53$ ($B-V = +0.77$), 12.01 (+0.38), and 12.28 (+0.11) [AMO01]. Aug. 25.95: comp. stars have $V = 11.53$ ($B-V = +0.77$), 12.01 (+0.38), and 12.28 (+0.11) [AMO01]. Aug. 27.92: alt. 7° [GON05]. Aug. 30.05: comp. stars have $V = 11.49$ ($B-V = +0.52$) and $V = 12.17$ ($B-V = +0.33$) [AMO01]. Sept. 19.53: *Guide 8.0* software used for comp.-star mags; comp. star has $B-V = +0.52$ [TSU02]. Sept. 21.94: comp. star has $V = 10.00$ [AMO01]. Sept. 27.44: “my magnitude est. is 12.6, but I felt it much fainter; the magnitude becomes 13.7 if I use the GSC as ref.” [YOS04]. Oct. 16.49: *Guide 8.0* software used for comp.-star mags; $B-V$ values of comp. stars were +0.47, +0.59, and +0.85 [YOS02].

◊ *Comet 73P/Schwassmann-Wachmann [comp. C (stated or presumed)]* \Rightarrow 2006 Mar. 3.92: Larson-Sekanina filter shows two possible jets in p.a. 40° and 235° [SCA02]. Mar. 4.74, Apr. 30.77, and May 3.77: *Guide 8.0* software used for comp.-star mags [NAG04]. Mar. 27.89: w/ 25-cm L, tail $\sim 10'$ long in p.a. 240° [SCA02]. Mar. 27.89 and 31.88: comp. star has $V = 10.88$, $B-V = +1.16$ [SCA02]. Mar. 31.88: w/ 20×90 B, comp. star has $V = 9.77$, $B-V = +1.08$ [SCA02]. Apr. 1.94: w/ 20×90 B, comp. stars have $V = 9.11$, $B-V = +1.35$ and $V = 9.58$, $B-V = +0.45$ (in same field as comet) [SCA02]. Apr. 2.87: w/ unfiltered CCD, comp. star has $V = 9.33$, $B-V = +0.39$ [SCA02]. Apr. 9.81: w/ CCD + Cousins *R* filter, comet amidst slow increase in brightness, w/ a strong dust tail and a false nucleus slightly elongated; comp. star has $V = 11.21$, $B-V = +0.74$ [SCA02]. Apr. 12.90: w/ Cousins *R* filter, comp. star has $V = 6.77$, $B-V = +0.50$ [SCA02]. Apr. 20.17: stubby tail and irregularly-shaped nuclear cond.; barely seen in 7×35 B [NOW]. Apr. 20.86: w/ Cousins *R* filter, unfiltered CCD image shows a sort of jet in p.a. 0° and a ‘curved’ coma [SCA02]. Apr. 20.86 w/ 20×90 B, central cond. is clearly visible, w/ an outer coma and a tail $\sim 30'$ long; comp. star has $V = 9.88$, $B-V = +1.34$ [SCA02]. Apr. 22.85: w/ 20×80 B, coma dia. 4', DC = 5, tail length 0°25 [PIL01]. Apr. 22.88: comet easily visible in 7×50 B, w/ a large coma and a notable central cond.; comp. star has $V = 8.39$, $B-V = +1.31$ [SCA02]. Apr. 23.95: nuclear cond. of mag 9.8 [CSU]. Apr. 24.88: nuclear cond. of mag 9.7 [CSU]. Apr. 24.88: w/ CCD and Cousins *R* filter, possible ‘jet’ $\sim 2'$ long in p.a. 0°, curved toward W; comp. star has $V = 7.80$, $B-V = +1.26$ [SCA02]. Apr. 28.15: comet tail very faint, diffuse, and spread out; easily seen in 7×35 B (cf. obs. by NOW for Apr. 20.17) [NOW]. Apr. 28.89: comp. star has $V = 7.20$ [SCA02]. Apr. 30.77: 33' tail in p.a. 235° w/ 30.4-cm refl. [NAG04]. May 1.86: comp. star has $V = 6.16$ [SCA02]. May 2.83: comp. star has $V = 7.28$ [SCA02]. May 3.77: 1° tail is visible w/ 30.4-cm L (61×) [NAG04]. May 4.88: comp. star has $V = 6.57$ [SCA02]. May 4.90: moonlight; nuclear cond. of mag 9.2 [CSU]. May 6.90: w/ CCD and Cousins *R* filter, comp. star has $V = 10.38$, $B-V = +0.45$; not easy in 7×50 B; moonlight and haze [SCA02]. May 8.96: w/ CCD and Cousins *R* filter, comp. star has $V = 10.83$, $B-V = +0.42$ [SCA02]. May 10.03: moonlight; nuclear cond. of mag 8.7 [CSU]. May 12.03: moonlight; nuclear cond. of mag 9.0 [CSU]. May 14.02: w/ CCD and Cousins *R* filter, comp. star has $V = 8.69$, $B-V = +0.52$ [SCA02]. May 14.06: w/ 20×90 B, comp. star has $V = 5.94$, $B-V = +1.36$; false nucleus less marked than in fragment ‘B’; fan-shaped tail $\sim 30'$ long in p.a. 240° [SCA02]. Aug. 4.80: $B-V$ values of comp. stars were +0.55 and +0.85 [YOS02]. Aug. 4.80 and Oct. 16.56: *Guide 8.0* software used for comp.-star mags [YOS02]. Aug. 29.16: mountain location near Asturias, Spain; very clear sky [GON05]. Sept. 19.66: *Guide 8.0* software used for comp.-star mags; comp. star has $B-V = +0.44$ [TSU02]. Sept. 27.64: “unexpectedly, the comet was still visible visually, but it is near the limit now” [YOS04]. Oct. 16.56: $B-V$ values of comp. stars were +0.69 and +0.81 [YOS02].

◊ *Comet 73P/Schwassmann-Wachmann [comp. B]* \Rightarrow 2006 Mar. 27.91: comp. star has $V = 10.88$, $B-V = +1.16$ [SCA02]. Apr. 2.88: strong outburst; coma very large; comp. star has $V = 10.83$, $B-V = +0.74$ [SCA02]. Apr. 3.15: in outburst at total visual mag 10.8 — comp. ‘B’ “appears as a bright, sharp, star-like object with a very faint, surrounding haze” in 41-cm L (comp. ‘C’ at total mag 10.0 w/ coma dia. 1'.5) [John E. Bortle, Stormville, NY]. Apr. 9.88: w/ CCD and Cousins *R* filter, coma and false nucleus elongated; comp. star has $V = 10.80$, $B-V = +0.50$ [SCA02]. Apr. 12.84: w/ CCD and Cousins *R* filter, outer coma elongated; also, central cond. elongated but still notable [SCA02]. Apr. 12.84 and 20.82: comp. star has $V = 6.77$, $B-V = +0.50$ [SCA02]. Apr. 20.82: w/ Cousins *R* filter, comet shows clearly two condensations almost separated, resolved on both unfiltered and filtered images; $Af\rho$ value has decreased to the pre-outburst level [SCA02]. Apr. 22.82: w/ Cousins *R* filter, separation between the two condensations is 10''8; on negative image is visible another little cond. $\sim 23''$ from the second cond. in p.a. 225°; $Af\rho$ constant ~ 30 cm; comp. star has $V = 10.62$, $B-V = +0.62$ [SCA02]. Apr. 22.85: w/ 20×80 B, coma dia. 5', DC = 0 [PIL01]. Apr. 24.81: first cond. of mag 12.8 in 0'.2 photometric aperture (25-cm L, w/ CCD and Cousins *R* filter); in outburst; second cond. of mag 13.5 in same

aperture; comp. star has $V = 8.92$, $B-V = +1.14$ [SCA02]. Apr. 28.89: comp. star has $V = 7.04$ [SCA02]. Apr. 30.79 and May 3.78: *Guide 8.0* software used for comp.-star mags [NAG04]. May 1.14: tail very faint and diffuse; comet just barely seen in 7×35 B [NOW]. May 1.86: comp. star has $V = 7.67$ [SCA02]. May 2.83: comp. star has $V = 6.59$ [SCA02]. May 4.88, 10.05, and 12.02: moonlight [CSU]. May 4.88: comp. star has $V = 7.18$ [SCA02]. May 6.83: w/ Cousins R filter; moonlight and haze; comp. star has $V = 8.88$, $B-V = +1.11$ [SCA02]. May 8.86: w/ CCD and Cousins R filter, strong outburst w/ presence of jets and fountains; thin ion tail $\sim 20'$ long [SCA02]. May 10.05: nuclear cond. of mag 7.8 [CSU]. May 10.99: comp. star has $V = 6.24$ [SCA02]. May 11.97: comp. star has $V = 5.46$; spectacular comet with a long, fan-shaped tail, and a marked central cond. [SCA02]. May 12.02: nuclear cond. of mag 8.5 [CSU]. May 13.99: w/ CCD and Cousins R filter, comp. star has $V = 10.63$, $B-V = +0.36$ [SCA02]. May 14.06: w/ 20×90 B, comp. star has $V = 5.48$, $B-V = +1.54$; fan-shaped dust tail $\sim 1^\circ$ long in p.a. 230° ; large coma with a marked central cond., well separated from the outer coma [SCA02]. May 31.46: w/ 40-cm $f/5$ L and 15-cm $f/5$ L, total visual mag 10.0 ("a 1.5-mag fading in just 24 hr"); the overall appearance (morphology) "seems mostly unchanged" (the total mag was found to be 8.5 on May 30.46) [David H. Levy and Bob Summerfield, Vail, AZ]. June 1.46: w/ 40-cm $f/5$ L, total visual mag 10.8 ("a 2.5-mag drop in just 48 hr!") [David H. Levy and Bob Summerfield, Vail, AZ]. Aug. 4.78: *Guide 8.0* software used for comp.-star mags; $B-V$ values of comp. stars were $+0.55$ and $+0.85$ [YOS02]. Aug. 18.84: with unfiltered CCD, limiting stellar mag ~ 20.5 ; comp. 'B' was very faint (mag ~ 20.0) w/ a very faint $3''-5''$ tail to the west [Hung-Chin Lin and Quanzhi Ye, Chung-li City, Tao-yuan, Taiwan; Lulin Observatory 1.0-m $f/8.0$ reflector]. Sept. 22.4: w/ Catalina 0.68-m Schmidt telescope, four 30-sec CCD image stack obtained in poor seeing shows a poorly condensed $20''$ coma, with a very faint tail/trail extending at least $30'$ and spanning p.a. $240^\circ-260^\circ$; magnitude given as $V = 17.5-18.0$, provided with the astrometry sent to the Minor Planet Center (UCAC2 comp. stars) [E. J. Christensen].

◊ *Comet 77P/Longmore* \Rightarrow 2006 Sept. 27.46: searched at the predicted position of the comet and for $\pm 4'$ along the line of variation [HER02].

◊ *Comet 102P/Shoemaker* \Rightarrow 2006 July 6.01 and 19.99: low alt. [SRB]. Sept. 19.70: *Guide 8.0* software used for comp.-star mags; comp. star has $B-V = +0.77$ [TSU02].

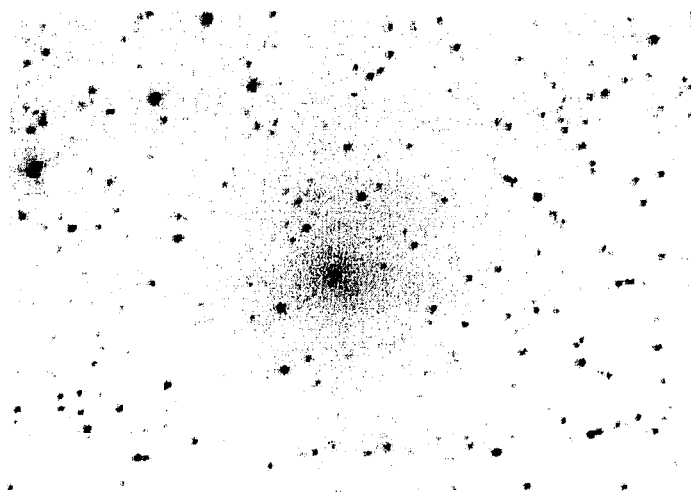
◊ *Comet 112P/Urata-Nijima* \Rightarrow 2006 Sept. 19.74: *Guide 8.0* software used for comp.-star mags; comp. star has $B-V = +0.64$ [TSU02]. Oct. 16.64: *Guide 8.0* software used for comp.-star mags; $B-V$ values of comp. stars were $+0.53$, $+0.53$, and $+0.60$ [YOS02].

◊ *Comet 117P/Helin-Roman-Alu* \Rightarrow 2006 Aug. 14.61: comp. star has $B-V = +0.49$ [TSU02]. Aug. 14.61, Sept. 1.58, 19.58, and 23.55: *Guide 8.0* software used for comp.-star mags [TSU02]. Aug. 22.67: "unexpectedly, it was clearly visible with an excellent clear sky (brighter than expected); moderately condensed" [YOS04]. Sept. 1.58: comp. star has $B-V = +0.54$ [TSU02]. Sept. 13.94 and 22.89: limiting stellar mag 15.2 [RES]. Sept. 13.94, 17.89, 21.94, and 22.89: motion evident after 1 hr; no other diffuse objects visible on Digitized Sky Survey [RES]. Sept. 17.89: limiting stellar mag ~ 14.9 [RES]. Sept. 19.58: comp. star has $B-V = +0.65$ [TSU02]. Sept. 21.94: limiting stellar mag 15.4 [RES]. Sept. 23.55: comp. star has $B-V = +0.70$ [TSU02]. Sept. 27.46: sky conditions not so good, but comet definitely visible [YOS04]. Oct. 6.12: moonlight [RES]. Oct. 16.51: another $0.8'$ tail in p.a. 56° ; *Guide 8.0* software used for comp.-star mags; $B-V$ values of comp. stars were $+0.65$, $+0.65$, and $+0.66$ [YOS02].

◊ *Comet 124P/Mrkos* \Rightarrow 2006 Sept. 27.40 and Oct. 16.25: "stellar nuclear cond." [HER02].

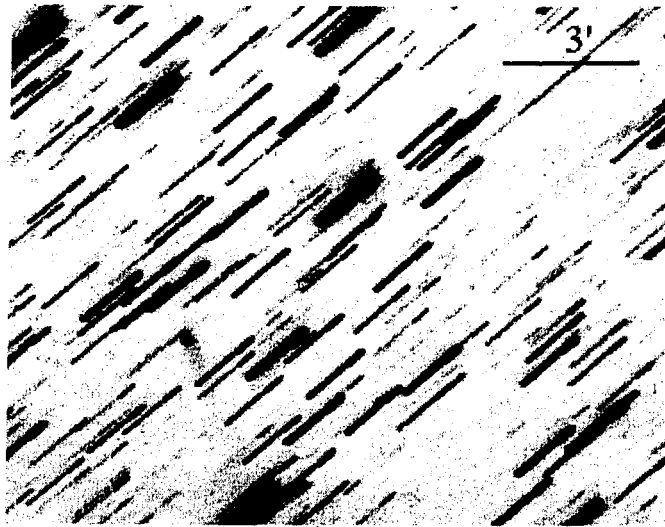
◊ *Comet 172P/Yeung* \Rightarrow 2006 Sept. 27.48 and Oct. 16.41: "stellar nuclear cond." [HER02].

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CCD image of comet 177P/Barnard showing an $18'$ coma, taken by Michael Jäger (near Vienna, Austria) with an 8-inch 240-mm-f.l. Schmidt camera (+ SXV-H9 camera) on 2006 Aug. 13.83 UT.

- ◊ *Comet 177P/2006 M3 (Barnard)* \Rightarrow 2006 July 16.91, 18.96, 19.94, and 25.98: dense star field [SRB]. July 16.91: moonlight; star of mag 14.5 located 0'4 from the central cond. [SRB]. July 30.68, Aug. 3.66, and 24.63: *Guide 8.0* software used for comp.-star mags [NAG04]. Aug. 12.47: *StellaNavigator* ver. 6.1 software used for comp.-star mags [NAG08]. Aug. 14.51: *The Sky* ver. 5 software used for comp.-star mags [MIT]. Aug. 14.51: comp. star has $B-V = +0.84$ [TSU02]. Aug. 14.51 and Sept. 19.50: *Guide 8.0* software used for comp.-star mags [TSU02]. Aug. 15.51 and 24.55: *Guide 8.0* software used for comp.-star mags [TSU02]. Aug. 18.85: w/ 32-cm L (55 \times), coma dia. 8', DC = 2 [PIL01]. Aug. 18.91: very faint and diffuse object; w/ 30-cm T (75 \times), moderately bright, but extremely diffuse coma with a surprisingly small central cond., which showed as a small faint knot of material at 242 \times [KAM01]. Aug. 19.86: more difficult than the night before; w/ 30-cm T (75 \times), similar morphology, but central cond. at 242 \times more conspicuous than the night before [KAM01]. Aug. 22.55: "very diffuse, nebulous object w/ a hint of central cond.; it reminded me of comet 55P" [YOS04]. Aug. 22.88: star of mag 9.5 in coma [SCH04]. Aug. 23.58, 24.57, Sept. 14.48, and 20.49: *Guide 8.0* software used for comp.-star mags [YOS02]. Aug. 25.92: not detected in 7 \times 50 B, but certainly seen as a large, faint glow through the refractor; astron. twilight [GRA04]. Aug. 31.97: diffuse, low-surface-brightness object [GRA04]. Sept. 10.79: moonlight [HOR02]. Sept. 19.50: comp. star has $B-V = +0.49$ [TSU02]. Sept. 19.90: star of mag 10.4 in outer part of coma [GIL01]. Sept. 21.85: rather faint, extremely diffuse coma, showing a faint, small central cond. at 333 \times [KAM01]. Sept. 23.83: comet close to bright star of mag 7.8 [LEH]. Sept. 27.48: comet "not clear with a lower magnification; central cond. visible, but the surrounding coma was very large and faint" [YOS04]. Oct. 9.43: "the large, diffuse coma is still visible, and . . . I could see a small central cond. clearly"; DC difficult to determine [YOS04]. Oct. 15.87: vaguely visible, not showing any cond.; at 242 \times , no central cond. discernible [KAM01]. Oct. 16.47: *Guide 8.0* software used for comp.-star mags; $B-V$ values of comp. stars were +0.49, +0.62, and +0.84 [YOS02]. Oct. 31.40: "hard to see due to the moonlight; located near two stars of mag 13.5 that may have caused me to overestimate the comet's brightness" (paraphrased by Ed.) [YOS04].
- ◊ *Comet 178P/Hug-Bell* \Rightarrow 2006 Sept. 28.44-28.47: astrometric CCD images taken with a 30-cm T (UCAC-2 catalogue for comp. stars) shows a very condensed object w/ a slight coma extension in p.a. $\sim 270^\circ$ (astrometric mag given as $m_2 = 18.1-18.4$) [G. Hug, Scranton, KS].
- ◊ *Comet P/1998 S1 (LINEAR-Mueller)* \Rightarrow 2006 Sept. 27.13: searched at the predicted position of the comet and for $\pm 4'$ along the line of variation; located in the Milky Way, dense star field; the comet could easily have been involved with a background star [HER02].
- ◊ *Comet P/1999 WJ₇ (Korlević)* \Rightarrow 2006 Sept. 27.11: searched at the predicted position of the comet and for $\pm 4'$ along the line of variation [HER02].
- ◊ *Comet C/2002 VQ₉₄ (LINEAR)* \Rightarrow 2006 June 13.93 and July 16.96: moonlight [SRB].
- ◊ *Comet C/2003 K4 (LINEAR)* \Rightarrow 2004 Mar. 25.16: Fuji Superia X-TRA film (400 ASA), hypersensitized/baked for 8 hr in forming gas (10%) at 55 $^\circ$ C; image posted at website URL <http://perso.orange.fr/commission.des.cometes/C2003K4/FK-2003K4-250304.jpg> [KUG].
- ◊ *Comet C/2003 WT₄₂ (LINEAR)* \Rightarrow 2006 Jan. 25.83: asymmetrical coma; comp. star has $V = 12.5$ [SCA02]. Feb. 1.79: "comet a little fainter since my last obs.; shows a very peculiar coma shape"; comp. star has $V = 10.08$, $B-V = +0.59$ [SCA02]. Mar. 3.82: comp. star has $V = 10.41$, $B-V = +1.02$ [SCA02]. Mar. 27.86: comp. star has $V = 10.86$, $B-V = +0.99$ [SCA02]. Mar. 31.85: comp. star has $V = 11.06$, $B-V = +1.10$ [SCA02]. May 18.85: comp. star has $V = 11.17$, $B-V = +1.26$ [SCA02]. July 2.89 and 5.89: moonlight; low alt. [SRB].
- ◊ *Comet C/2004 B1 (LINEAR)* \Rightarrow 2006 July 12.89: moonlight [SRB]. July 20.95: star of mag 12.9 located 0'4 from the central cond. [SRB]. Aug. 14.48: comp. star has $B-V = +0.76$ [TSU02]. Aug. 14.48 and Sept. 1.48: *Guide 8.0* software used for comp.-star mags [TSU02]. Sept. 1.48: comp. star has $B-V = +0.50$ [TSU02].
- ◊ *Comet C/2004 L2 (LINEAR)* \Rightarrow 2006 Sept. 19.78: *Guide 8.0* software used for comp.-star mags; comp. star has $B-V = +0.59$ [TSU02].
- ◊ *Comet C/2005 B1 (Christensen)* \Rightarrow 2006 Sept. 1.60 and 19.60: *Guide 8.0* software used for comp.-star mags [TSU02]. Sept. 1.60: comp. star has $B-V = +0.50$ [TSU02]. Sept. 19.60: comp. star has $B-V = +0.48$ [TSU02].
- ◊ *Comet C/2005 E2 (McNaught)* \Rightarrow 2006 Sept. 19.82: *Guide 8.0* software used for comp.-star mags; $B-V$ values of comp. stars were +0.52, +0.56, and +0.64 [YOS02].
- ◊ *Comet C/2005 P3 (SWAN)* \Rightarrow 2005 Aug. 28.46: *Guide 8.0* software used for comp.-star mags [NAG04].
- ◊ *Comet C/2005 YW (LINEAR)* \Rightarrow 2006 Oct. 16.4: eleven 40-sec CCD-exposures taken with the 1.20-m *f*/12 reflector at the European Southern Observatory (La Silla, Chile) show a nearly spherical coma of dia. 4'' that is shifted from the photocenter by 1'' in p.a. 290° ; mag of nuclear cond. = 16.2; total mag 15.4 (UCAC-2, USNO-A2.0 catalogues stated for astrometry — not sure what was used for magnitudes — Ed.) [Raoul Behrend, A. Blecha, and L. Weber (Geneva Observatory, Switzerland)].
- ◊ *Comet C/2006 A1 (Pojmanski)* \Rightarrow 2006 Feb. 24.86: *Guide 8.0* software used for comp.-star mags [NAG04]. Mar. 4.83: 1 $^\circ$ 3 tail in p.a. 275° w/ 10-cm R (21 \times); *Guide 8.0* software used for comp.-star mags [NAG04]. Mar. 7.41 and 8.38: thin, faint tail; not visible to naked eye [NOW]. Mar. 8.16: another tail of length 1 $^\circ$ 7 in p.a. 317° [CSU]. Mar. 9.16: another tail of length 0 $^\circ$ 95 in p.a. 322° [CSU].



Unfiltered CCD image (average of thirty-seven 120-sec exposures) of comet C/2006 HR₃₀ taken by G. Sostero and L. Donato with a 45-cm f/4.4 L (+ FLI IMG-1001E camera). The scale bar at upper right represents 3 arcmin; north is up and east to the left. A faint, diffuse tail extends to the lower right from the comet image (which itself is to the lower-left of center), the stars being trailed due to tracking on the moving comet.

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[text continued from page 138]

◇ P/2006 HR₃₀ (Catalina) ⇒ 2006 Aug. 4.75 and Oct. 16.53: Guide 8.0 software used for comp.-star mags [YOS02]. Aug. 4.75: $B-V$ values of comp. stars were +0.45, +0.76, and +0.93 [YOS02]. Aug. 5.12: nearby field stars were checked previously via Digitized Sky Survey; comet was searched for during a 60-min period as a faint stellar object with motion but was not unambiguously seen; mountain location near León, Spain; very clear sky; comp.-star mags taken from Henden photometry near Y Peg [GON05]. Aug. 14.59: comp. star has $B-V = +0.51$ [TSU02]. Aug. 14.59, Sept. 1.56, 19.56, and 23.47: Guide 8.0 software used for comp.-star mags [TSU02]. Aug. 22.65: clearly visible (excellent clear sky); appears stellar; faint background stars [YOS04]. Sept. 1.56: comp. star has $B-V = +0.56$ [TSU02]. Sept. 13.91, 17.88, 20.93, 21.91, 22.86, and 25.93: stellar appearance; motion evident after 40 min [RES]. Sept. 17.78-29.96 and Oct. 16.85: stellar appearance; position of the comet checked with Digitized Sky Survey [LEH]. Sept. 19.56: comp. star has $B-V = +0.65$ [TSU02]. Sept. 20.86: faint stellar object, identified with chart made from Digitized Sky Survey (motion evident after some 20-30 min) [BOU, DIJ]. Sept. 23.47: comp. star has $B-V = +0.53$ [TSU02]. Sept. 27.14: "stellar nuclear cond." [HER02]. Sept. 27.63: confirmed via its motion; "faint and still completely stellar in appearance, moving among faint background stars in Cyg; others reported the comet at mag 14 recently, but the comet is definitely fainter, around 15th mag" (paraphrased by Ed.) [YOS04]. Oct. 16.53: $B-V$ values of comp. stars were +0.50 and +0.65 [YOS02]. Oct. 16.89: stellar appearance, unambiguously identified using chart made from Digitized Sky Survey (DSS) [BOU, DIJ]. Oct. 16.96, 25.81, and 29.85: stellar appearance [RES]. Oct. 24.92: stellar appearance — identified using chart made from DSS (slow motion evident after about 1 hr) [BOU, DIJ]. Oct. 31.42: "due to the moonlight and hazy sky, it was hard to see faint stars, and it was uncertain whether the comet was completely stellar in appearance or slightly cometary; after I came back home, I found that there is a star of mag 14.5 near the comet's position, but in the DSS image, this is actually a blended magnitude of two faint stars (so I judged that I had observed the comet)" [YOS04].

◇ Comet C/2006 K4 (NEAT) ⇒ 2006 July 2.96 and 12.91: dense star field [SRB].

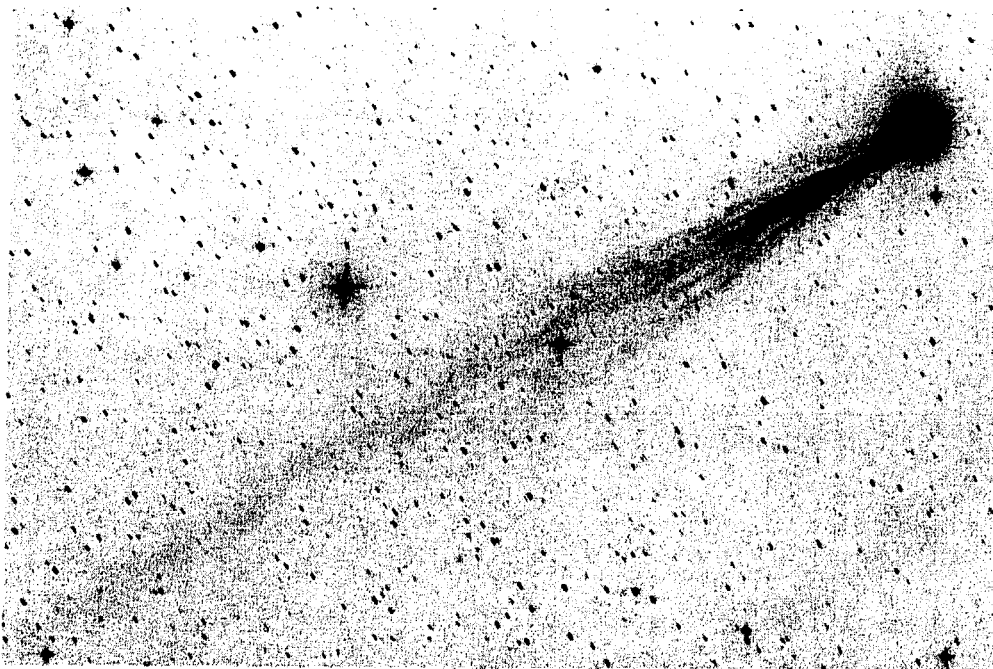
◇ Comet C/2006 L1 (Garradd) ⇒ 2006 Oct. 16.49: remotely using a 25-cm reflector near Mayhill, NM, CCD images show a 2/5 coma of mag 11.8 and "a bright central cond. almost 12" in dia., surrounded by an extended and faint outer coma almost 2/5 in dia.; also evidence of a kind of spiral 'shell' toward NW, similar to what is frequently observed in comet 29P immediately after one of its frequent outbursts; we measured the A_{fp} parameter (a proxy of the dust abundance within the coma) to be almost 260 ± 40 cm for an equivalent aperture having a radius of 25000 km from the central cond." [Ernesto Guido and Giovanni Sostero, Udine, Italy]. Oct. 17.19: comet faintly, but definitely, seen as a slightly condensed object; unfortunately, the nearby 21-percent-lit moon and increasing twilight prevented accurate measurements [BOU]. Oct. 23.82: Guide 8.0 software used for comp.-star mags [YOS02]. Oct. 27.2: mountain location near Asturias, Spain; very clear sky; zodiacal light [GON05]. Oct. 29.70: "slightly enhanced through Swan Band Filter" [SEA]. Oct. 29.79: Guide 8.0 software used for comp.-star mags [NAG04]. Oct. 31.77: "I was very surprised at what a large object it was — very bright and easy to see; I felt it was brighter than 4P; unexpectedly, the cond. is weak, even with higher magnif." [YOS04].

◇ Comet C/2006 L2 (McNaught) ⇒ 2006 Aug. 14.45: comp. star has $B-V = +0.63$ [TSU02]. Aug. 14.45 and Sept.

1.44: *Guide 8.0* software used for comp.-star mags [TSU02]. Sept. 1.44: comp. star has $B-V = +0.70$ [TSU02]. Sept. 27.43: thin clouds in the vicinity of comet (low alt.) [YOS04]. Oct. 9.40: very low alt.; bright evening background [YOS04]. Oct. 14.82: mountain location near León, Spain; very clear sky; alt. 6° [GON05].

◊ Comet C/2006 M1 (LINEAR) \Rightarrow 2006 July 12.87 and 16.93: dense star field [SRB]. July 16.93: moonlight [SRB].

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Co-added CCD image (four 120-sec exposures) of comet C/2006 M4 by Michael Jäger with a 10-inch $f/1.5$ Schmidt camera on 2006 Sept. 30.13, when the comet was only 12° up in the morning sky.

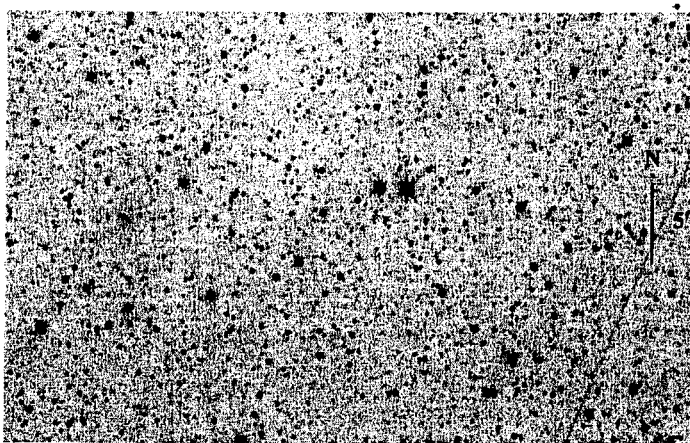
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◊ Comet C/2006 M4 (SWAN) \Rightarrow 2006 Sept. 18.81: $B-V$ values of comp. stars were $+0.78$ and $+1.15$. [KAD02] Sept. 19.19: mountain location near León, Spain; comp. stars at the same low alt. (7°) as the comet [GON05]. Sept. 19.83: another broad tail in p.a. 215° ; *Guide 8.0* software used for comp.-star mags; $B-V$ values of comp. stars were $+0.56$, $+0.74$, $+0.82$ [YOS02]. Sept. 20.81: astrometric CCD exposures w/ a 25-cm $f/5$ L show $m_1 = 7.7$ (ref = "Tycho-2 catalogue"), coma dia. $4'.5$, and two tails (a $7'$ narrow tail in p.a. 339° and a faint, $3'$ -wide tail in p.a. 230°) [KAD02]. Sept. 20.82, 26.83, Oct. 2.83, 3.83, and 29.41: *Guide 8.0* software used for comp.-star mags [YOS02]. Sept. 21.15: at $63\times$, faint tail glimpsed ($\approx 9'$ long in p.a. 340°) [BOU]. Sept. 22.15: at $63\times$, faint tail visible ($16'$ long in p.a. 347°) [DIJ]. Sept. 22.15: at $63\times$, faint tail visible ($10'$ long in p.a. 344°) [BOU]. Sept. 26.2: mountain location near León, Spain; very clear sky; zodiacal light; alt. 10° [GON05]. Sept. 27.80: very strongly condensed [YOS04]. Sept. 27.8, Oct. 7.40, 9.38, 15.39, 25.40, 28.38, and 31.40: *StellaNavigator* ver. 6.1 software used for comp.-star mags [NAG08]. Oct. 1.20: alt. 13° [GON05]. Oct. 3.79: moonlight; some cloud interference [DIJ]. Oct. 5.15: comet also faintly visible to naked eye [DIJ]. Oct. 5.74, 6.73, 8.74, 10.13, 10.74, 29.74, 29.75, 30.75, Nov. 1.76, 2.76, and 8.76: moonlight [HOR02]. Oct. 6.14: moonlight [RES]. Oct. 7.98 and 8.98: strong interference from nearly full moon [NOW]. Oct. 8.40: *The Sky* ver. 5 software used for comp.-star mags [MIT]. Oct. 8.83, 14.81, and 25.90: light pollution (Uppsala, Sweden) [WAR01]. Oct. 8.83: round, very-well-condensed coma; no tail seen; clear sky, but full moon in east [WAR01]. Oct. 9.82: comet visible both in the evening and morning; comet at lower alt. in the morning, when it appeared almost stellar, but the weather conditions were better then [YOS04]. Oct. 10.73: low alt. [SVE01]. Oct. 14.04: tail just barely visible in 25×100 B; comet head easily seen in 7×35 B [NOW]. Oct. 14.81: only inner coma seen; alt. 18° ; clear, hazy sky [WAR01]. Oct. 14.81: faintly seen w/ naked eye; w/ 40.6-cm T ($73\times$), the coma was blue-green with a nearly-stellar central cond.; narrow tail $> 0^\circ.5$ long towards N [GRA04]. Oct. 15.72: another tail of length $0^\circ.40$ in p.a. 40° [CSU]. Oct. 15.77: w/ 9×63 B, strongly condensed coma, tail glimpsed; w/ 30-cm T ($75\times$), strongly condensed coma w/ very pronounced central cond., but no false nucleus discernible [KAM01]. Oct. 16.42: $9'$ tail visible in p.a. 340° w/ 30.4-cm L ($61\times$); *Guide 8.0* software used for comp.-star mags [NAG04]. Oct. 16.72: another tail of length $0^\circ.50$ in p.a. 50° [CSU]. Oct. 16.77: w/ 9×63 B, faint tail; w/ 30-cm T ($75\times$), coma w/ steep brightness gradient towards center — which, however, did not show a false nucleus [KAM01]. Oct. 17.72: another tail of length $0^\circ.83$ in p.a. 43° [CSU]. Oct. 18.72: another tail of length $0^\circ.58$ in p.a. 45° [CSU]. Oct. 19.72: other tails of lengths $0^\circ.42$ in p.a. 44° and $1^\circ.5$ in p.a. 320° [CSU].

Oct. 23.75: small, bright central cond.; elliptical coma and short faint dust(?) tail visible in 30.5-cm T at $56\times$ (very good obs. conditions) [COM]. Oct. 24.01-24.02: images w/ 20-cm $f/3.3$ T and MallinCam Hyper black-and-white video camera ($40'$ field-of-view) "indicated little change in the comet from Oct. 14 and 15 to Oct. 21.0; but this evening, the comet's appearance was quite different — not only was the comet obviously brighter, but the tail was showing detail

(namely two prominent rays extending to the edge of the frame, with one slightly bent and maybe twisted; one short ray was also visible just W of the tail, while a possible ray was E of the tail" [Gary W. Kronk, IL, U.S.A.]. Oct. 24.8: mountain location near Asturias, Spain; very clear sky; comet is obviously in outburst [GON05]. Oct. 24.84: "comet obviously in outburst; in 31-cm J at 72 \times , coma has a distinct greenish hue; strong near-stellar cond. of mag 10-11; gas tail much brighter and longer than yesterday; short dust tail faintly visible as a stubby extension of the coma, W of the gas tail" [BOU]. Oct. 24.84: fairly easy naked-eye object; in 9 \times 63 B, the coma had a distinct bluish color [DAH]. Oct. 25.01-25.02: "comet seems equal to or very slightly brighter than its appearance on the previous evening, but the tail seems even more interesting, with several short rays on both sides of where the tail connects to the coma; the MallinCam was showing stars to mag 15.5 around the comet; the dust tail is becoming more prominent; the comet's inner coma is always overexposed on my images because I am primarily going for the tail and outer coma detail (the exposure of my images has been very consistent since Oct. 14); I briefly glanced at the comet with my 20 \times 80 B and estimated the mag as 4.4" w/ coma dia. 15' [Gary W. Kronk, IL, U.S.A.]. Oct. 25.08: alt. 6 $^{\circ}$ 5 [GRA04]. Oct. 25.39: *StellaNavigator* ver. 6.1 software used for comp.-star mags [OOT]. Oct. 25.42 and 27.41: *Guide 8.0* software used for comp.-star mags [NAK01]. Oct. 25.72, 26.71, and 27.72: nuclear cond. of mag 7.3 [CSU]. Oct. 25.74: w/ naked eye, coma fairly easily seen as a diffuse star; in 7 \times 50 B, the comet was much brighter than M13 (tail faint); in 7-cm R (20 \times), the coma was diffuse with a blue-green hue and an apparently stellar central cond. of mag 8.1 (ref = TK), w/ a narrow, straight tail [GRA04]. Oct. 25.90: round, well-condensed coma with small brighter center; straight, faint, and diffuse tail; alt. 12 $^{\circ}$ [WAR01]. Oct. 26.02: in 25 \times 100 B, "looks like comet C/1996 B2 (Hyakutake) resurrected just in time for Halloween!" [CRE01]. Oct. 26.73: "tail clearly longer than one day before" [MEY]. Oct. 26.78: comet in outburst; tail still faint, but much easier to recognize [KAM01]. Oct. 30.73: moonlight; nuclear cond. of mag 7.9 [CSU]. Oct. 30.75: considerably fainter than on Oct. 26; highly condensed coma; tail difficult; w/ 30-cm T (75 \times), coma showed a very steep brightness gradient; at 242 \times , false nucleus of mag 10.5 not conspicuous against the very bright central cond. [KAM01]. Oct. 30.75: appears "like a twin of nearby M13, but brighter" [MEY]. Oct. 31.39: "hazy sky and moonlight; comet much larger than at my previous obs. in early Oct.; central cond. still strong with a 0.40-m L; located near Her cluster M13 (the comet's appearance was similar to M13, but the cond. was somewhat stronger than in M13, and the comet was much brighter than M13)" [YOS04]. Oct. 31.41: *StellaNavigator* ver. 6.1 software used for comp.-star mags; $B-V$ values of comp. stars were +0.40, +0.72, and +0.91 [NAG08]. Oct. 31.74: moonlight [CSU].

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Co-added CCD image (six 180-sec exposures) of comet C/2006 P1 taken on 2006 Sept. 13.78 by M. Jäger and G. Rhemann with an 8-inch 540-mm-f.l. telescope (+ Sigma 1603 camera). The comet, which is the diffuse spot near left center, was estimated at mag 13.5 by Jäger. The scale bar at right represents 5 arcmin, with north up.

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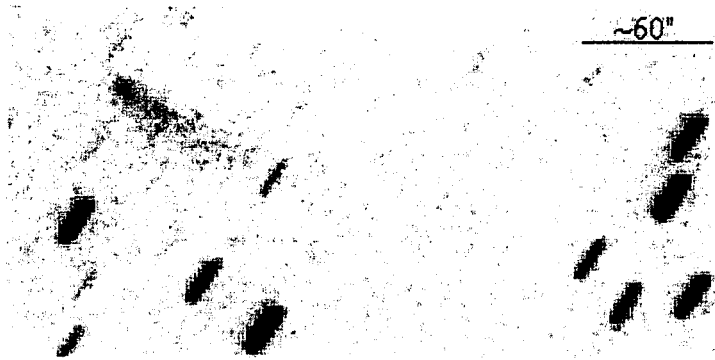
◇ Comet C/2006 P1 (McNaught) \Rightarrow 2006 Aug. 25.48: "very faint and marginal, but the image was held for several minutes during a very clear and steady interval and seems to confirm Terry Lovejoy's recent images of the comet at around magnitude 14" [SEA]. Sept. 23.44: *Guide 8.0* software used for comp.-star mags; comp. star has $B-V = +0.56$ [TSU02]. Sept. 27.44: low alt. [YOS04]. Oct. 9.40: very low in the evening sky, which was partly cloudy (thin clouds); comp.-star magnitudes in "this area are very different between the GSC and ASAS-3 data (the DSS image suggests that the GSC is [better])" [YOS04]. Oct. 9.43: comet close to faint star [SEA]. Oct. 10.42: "also seen in 25 \times 100 B at mag \approx 11.4, and enhanced in through Swan Band Filter; very low surface brightness, appearing in field rather like Gegenschein with naked eye!" [SEA]. Oct. 10.42: *Guide 8.0* software used for comp.-star mags; $B-V$ values of comp. stars were +0.63, +0.71, and +0.83 [YOS02]. Oct. 12.81: mountain location near Asturias, Spain; clear sky; alt. 10 $^{\circ}$ [GON05]. Oct. 13.42: "clearest view of comet; somewhat enhanced through Swan Band Filter" [SEA].

◇ Comet P/2006 R1 (Siding Spring) \Rightarrow 2006 Sept. 10.4: 40 co-added 30-sec CCD astrometric images obtained by

N. Teamo in Tahiti with a 35-cm $f/3.9$ T show a condensed coma of dia. 7" (total mag 18.3) and no tail [S. F. Hoenig, Bonn, Germany].

◊ Comet P/2006 R2 (Christensen) \Rightarrow 2006 Sept. 23.57: Guide 8.0 software used for comp.-star mags; comp. star has $B-V = +0.44$ [TSU02].

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Co-added unfiltered CCD image (average of ten 60-sec exposures) of comet P/2006 S1 taken on 2006 Sept. 19.97 by G. Sostero and E. Guido with a 45-cm $f/4.4$ L. North is up and east to the left; the scale bar at upper right represents ≈ 60 arcsec.

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◊ Comet P/2006 S1 (Christensen) \Rightarrow 2006 Sept. 23.58: Guide 8.0 software used for comp.-star mags; comp. star has $B-V = +0.56$ [TSU02].

◊ Comet P/2006 T1 (Levy) \Rightarrow 2006 Oct. 2.50: visual discovery while comet hunting w/ 41-cm $f/5$ reflector; comet diffuse and around total visual mag 10.5; comet close to Saturn, which was in the same field, thus appearing like a ghost image of the planet (but comet appeared clearly in Levy's 16-inch $f/5$ and 8-inch $f/11$ telescopes, and in the six CCD images taken with a Meade 36-cm telescope (with hyperstar + Canon 20 DA camera); this is Levy's eighth visual discovery and his first since C/1994 G1, for a total of 1136.2 hours of hunting in between discoveries ("by far the most visual comet hunting time I have put in for any discovery — even my first, which was 917.5 hours — and this does not include all the setup time I have done on the automated surveys that I am trying to get started") [David H. Levy, Vail, AZ]. Oct. 3.81 and 23.84: Guide 8.0 software used for comp.-star mags [YOS02]. Oct. 5.18: mountain location near León, Spain; very clear sky; zodiacal light [GON05]. Oct. 6.13: moonlight [RES]. Oct. 9.80: "despite the full moon, the comet was bright and clearly visible; the central cond. was not strong, but not too weak" (DC = 3 with at 75 \times ; DC = 4-5 at 114 \times) [YOS04]. Oct. 16.82: *StellaNavigator* ver. 6.1 software used for comp.-star mags; $B-V$ values of comp. stars were +0.57, +0.63, and +0.69 [NAG08]. Oct. 21.83: Guide 8.0 software used for comp.-star mags [NAG04]. Oct. 27.22: bright zodiacal light; comet very close to galaxy NGC 3521 [GON05]. Oct. 31.80: "extremely diffuse and hard to see, but unexpectedly, it was still bright and condensed; many bright stars recorded in the GSC are in fact faint galaxies in this area, so it was difficult to determine the comet's position (in the field, I could not see which star in the chart is a galaxy, so I was anxious that maybe I was observing a galaxy by mistake); because the comet looked much more condensed than expected, I could not be confident that I was really observing the comet, and not a galaxy" [YOS04].

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Key to observers with observations published in this issue, with 2-digit numbers between Observer Code and Observer's Name indicating source [16 = Japanese observers (via Akimasa Nakamura, Kuma, Ehime); 32 = Hungarian observers (via Krisztián Sárneczky, Budapest); etc.]:

ADA05 23	M. Adamovsky, Plzen, Czech Rep.	DIE02	Alfons Diepvens, Belgium
AMO01 35	Alexandre Amorim, Brazil	DIJ	Edwin van Dijk, The Netherlands
BOH02 18	Jerzy Bohusz, Gdynia, Poland	*DOB02 18	Krzysztof K. Dobzynski, Poland
BOU	Reinder J. Bouma, Netherlands	DOR02 18	Dariusz Dorosz, Poland
BUS01 11	E. P. Bus, The Netherlands	*EVS 42	Sergey Evseenko, Belarus
CER01 23	Jakub Černý, Praha, Czech Rep.	FIL04 18	Marcin Filipek, Poland
CHE	Geoff R. Chester, VA, U.S.A.	FOG	Sergio Foglia, Italy
CHE03 33	Kazimieras T. Cernis, Lithuania	GIA01	Antonio Giambersio, Italy
COM 11	Georg Comello, The Netherlands	GIL01 11	Guus Gilein, The Netherlands
CRE01	Phillip J. Creed, OH, U.S.A.	GON05	Juan Jose Gonzalez, Spain
CSU 32	Mátyás Csukás, Salonta, Romania	GON06	Virgilio Gonano, Udine, Italy
DAH 24	Haakon Dahle, Norway	GRA04 24	Bjoern Haakon Granslo, Norway

GRA09 18	Krzysztof Graczewski, Poland	NEV	Vitali S. Nevski, Belarus
GRO03 18	Radoslaw Grochowski, Poland	NOW	Gary T. Nowak, VT, U.S.A.
HAS02	Werner Hasubick, Germany	OOT 16	Isao Ootsuki, Miyagi, Japan
HER02	Carl Hergenrother, AZ, U.S.A.	PAR03 18	Mieczyslaw L. Paradowski, Poland
HOR02 23	Kamil Hornoch, Czech Republic	PIL01	Uwe Pilz, Leipzig, Germany
HOR03 23	Petr Horalek, Czech Republic	POW01 18	Jacek Powichrowski, Poland
HUR	Guy M. Hurst, England	RES 18	Maciej Reszelski, Poland
JAR02 18	Maciej Jarmoc, Bialystok, Poland	RIE 11	Hermanus Rietveld, Netherlands
KAD02 16	Ken-ichi Kadota, Saitama, Japan	ROB06	Walter R. Robledo, Argentina
KAM01	Andreas Kammerer, Germany	*SAD01 18	Andrzej Sadowski, Poland
KAN05	Ralf Kannenberg, Switzerland	SAN04 38	Juan M. San Juan, Madrid, Spain
KID01 18	Krzysztof Kida, Elblag, Poland	SCAO2	Toni Scarmato, Calabria, Italy
KOS	Attila Kósa-Kiss, Romania	SCH04 11	Alex H. Scholten, Netherlands
KUG	Francois Kugel, France	SCI	Tomasz Sciezor, Poland
KWI 18	Maciej Kwinta, Krakow, Poland	SEA	David A. J. Seargent, Australia
LAB02	Carlos Labordena, Spain	SHAO2	Jonathan D. Shanklin, England
LEG 18	Marian Legutko, Gliwice, Poland	SHU 42	Sergey E. Shurpakov, Belarus
LEH	Martin Lehky, Czech Republic	*SIC01 18	Zbigniew Siciarz, Poland
LINO4	Michael Linnolt, HI, U.S.A.	SIK01 18	Mieczyslaw Sikora, Poland
*MAJ02	Piotr Majewski, Torun, Poland	SIW 18	Ryszard Siwiec, Poland
MAR02	Jose Carvajal Martinez, Spain	SRB 23	Jiri Srba, Vsetin, Czech Rep.
MAR12 18	Leszek Marcinek, Poland	SVE01	Denis A. Svechkarev, Ukraine
MEY	Maik Meyer, Germany	SWI 18	Mariusz Swietnicki, Poland
MIT 16	Shigeo Mitsuma, Saitama, Japan	SWI01 18	Stanislaw Swierczynski, Poland
MOE	Michael Moeller, Germany	TSU02 16	Mitsunori Tsumura, Japan
MOR03	Warren C. Morrison, Canada	TUR01 18	Pawel Turek, Krakow, Poland
NAG04 16	Kazuro Nagashima, Nara, Japan	WAR01	Johan Warell, Sweden
NAG08 16	Yoshimi Nagai, Gunma, Japan	YOS02 16	Katsumi Yoshimoto, Japan
NAK01 16	Akimasa Nakamura, Ehime, Japan	YOS04 16	Seichi Yoshida, Japan
NED 23	Martin Nedved, Czech Republic		

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TABULATED VISUAL DATA (also format for old-style CCD data)

NOTE: As begun in the October 2001 issue, the CCD and visual tabulated data are separated. The tabulated CCD data are also now generally further separated into two "CCD" sections: the first in the old format for those observations submitted only in the old format, and the second in the new format (whose columns are described on page 208 of the July 2002 *ICQ*).

The headings for the tabulated data are as follows: "DATE (UT)" = Date and time to hundredths of a day in Universal Time; "N" = notes [* = correction to observation published in earlier issue of the *ICQ*; an exclamation mark (!) in this same location indicates that the observer has corrected his estimate in some manner for atmospheric extinction (prior to September 1992, this was the standard symbol for noting extinction correction, but following publication of the extinction paper — July 1992 *ICQ* — this symbol is only to be used to denote corrections made using procedures different from that outlined by Green 1992, *ICQ* 14, 55-59, and in Appendix E of the *ICQ Guide to Observing Comets* — and then only for situations where the observed comet is at altitude > 10°); '&' = comet observed at altitude 20° or less with no atmospheric extinction correction applied; '\$' = comet observed at altitude 10° or lower, observations corrected by the observer using procedure of Green (*ibid.*); for a correction applied by the observer using Tables Ia, Ib, or Ic of Green (*ibid.*), the letters 'a', 'w', or 's', respectively, should be used; x indicates that a secondary source (often amateur computer software) was used to get supposedly correct comparison-star magnitudes from an accepted catalogue].

"MM" = the method employed for estimating the total (visual) magnitude; see article on page 186 of the Oct. 1996 issue [B = VBM method, M = Morris method, S = VSS or In-Out method, I = in-focus, C = unfiltered CCD, c = same as 'C', but for 'nuclear' magnitudes, V = electronic observations — usually CCD — with Johnson V filter, *etc.*]. "MAG." = total (visual) magnitude estimate; a colon indicates that the observation is only approximate, due to bad weather conditions, *etc.*; a left bracket ([]) indicates that the comet was not seen, with an estimated limiting magnitude given (if the comet IS seen, and it is simply estimated to be fainter than a certain magnitude, a "greater-than" sign (>) must be used, not a bracket). "RF" = reference for total magnitude estimates (see pages 98-100 of the October 1992 issue, and Appendix C of the *ICQ Guide to Observing Comets*, for all of the 1- and 2-letter codes; an updated list is also maintained at the *ICQ* World Wide Website). "AP." = aperture in centimeters of the instrument used for the observations, usually given to tenths. "T" = type of instrument used for the observation (R = refractor, L = Newtonian reflector, B = binoculars, C = Cassegrain reflector, A = camera, T = Schmidt-Cassegrain reflector, S = Schmidt-Newtonian reflector,

E = naked eye, etc.). "F/" and "PWR" are the focal ratio and power or magnification, respectively, of the instrument used for the observation — given to nearest whole integer (round even); note that for CCD observations, in place of magnification is given the exposure time in seconds [see page 11 of the January 1997 issue; a lower-case "a" indicates an exposure time under 1000 seconds, an upper-case "A" indicates an exposure time of 1000-1999 seconds (with the thousands digit replaced by the "A"), an upper-case "B" indicates an exposure time of 2000-2999 seconds (with the thousands digit replaced by the "B"), etc.].

"COMA" = estimated coma diameter in minutes of arc; an ampersand (&) indicates an approximate estimate; an exclamation mark (!) precedes a coma diameter when the comet was not seen (*i.e.*, was too faint) and where a limiting magnitude estimate is provided based on an "assumed" coma diameter (a default size of 1' or 30" is recommended; cf. *ICQ* 9, 100); a plus mark (+) precedes a coma diameter when a diaphragm was used electronically, thereby specifying the diaphragm size (*i.e.*, the coma is almost always larger than such a specified diaphragm size). "DC" = degree of condensation on a scale where 9 = stellar and 0 = diffuse (preceded by lower- and upper-case letters S and D to indicate the presence of stellar and disklike central condensations; cf. July 1995 issue, p. 90); a slash (/) indicates a value midway between the given number and the next-higher integer. "TAIL" = estimated tail length in degrees, to 0.01 degree if appropriate; again, an ampersand indicates a rough estimate. Lower-case letters between the tail length and the p.a. indicate that the tail was measured in arcmin ("m") or arcsec ("s"), *in which cases the decimal point is shifted one column to the right*. "PA" = estimated measured position angle of the tail to nearest whole integer in degrees (north = 0°, east = 90°). "OBS" = the observer who made the observation (given as a 3-letter, 2-digit code).

A complete list of the Keys to abbreviations used in the *ICQ* is available from the Editor for \$4.00 postpaid (available free of charge via e-mail); these Keys (with the exception of the Observer Codes) are also available in the *Guide to Observing Comets* and via the *ICQ*'s World Wide Web site. *Please note that data in archival form, and thus the data to be sent in machine-readable form, use a format that is different from that of the Tabulated data in the printed pages of the ICQ; see pages 59-61 of the July 1992 issue, p. 10 of the January 1995 issue, and p. 100 of the April 1996 issue for further information [note correction on page 140 of the October 1993 issue]. Further guidelines concerning reporting of data may be found on pages 59-60 of the April 1993 issue, and in the ICQ Guide to Observing Comets.*

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NOTE: The new-style CCD tabulated data begin on page 169 of this issue.

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Visual Data

Comet 4P/Faye

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 07 20.00		M	12.4	HS	20	L	6	133	0.7	6			CER01
2006 07 22.00		M	12.4	HS	20	L	6	133	0.9	5			CER01
2006 07 24.99		M	12.6	HS	20	L	6	133	0.8	6	0.02	270	CER01
2006 08 03.90		M	12.6	TJ	41	L	4	178	0.51	4/			SHU
2006 08 04.10		S	11.9	TK	20.3	T	10	77	1.0	5			GON05
2006 08 05.09		S	11.8	TK	20.3	T	10	77	1.5	5			GON05
2006 08 17.08		M	11.9:	HS	20	L	6	80	1.1	8			CER01
2006 08 18.95		M	11.7	HS	20	L	6	80	1.6	7	0.04	255	CER01
2006 08 18.96		M	12.0	TJ	30	T	10	75	1.5	4			ADA05
2006 08 18.96		S	11.7	TI	23.5	T	10	188	2	3			LAB02
2006 08 20.03		S	11.0	TI	23.5	T	10	67	1.5	6			LAB02
2006 08 20.86		S	12.4	HS	30	L	5	100	1	3			NEV
2006 08 20.90		M	12.5	TJ	41	L	4	105	0.56	3/			SHU
2006 08 20.93		M	11.8	HS	20	L	6	80	1.2	6			CER01
2006 08 21.09		S	11.7	TK	20.3	T	10	77	1.8	5			GON05
2006 08 22.00		M	11.8	TI	32	L	5	75	1	5			MAR02
2006 08 22.20		S	11.5:	TK	18	L	8	115					AM001
2006 08 22.66		S	11.7	HS	40.0	L	4	144	1.6	7/			YOS04
2006 08 22.98		M	11.9	TI	32	L	5	48	1.5	4/			MAR02
2006 08 22.98		M	12.0	NP	32	L	5	48	1.5	3			SAN04
2006 08 22.98		S	11.5	TI	23.5	T	10	67	1.5	5			LAB02
2006 08 23.92		M	11.9	TK	35	L	5	68	1.4	5/			HOR02
2006 08 24.67	x	S	11.9	HS	25.4	L	4	113	1.2	4			YOS02
2006 08 24.71	x	B	13.0	HS	30.4	L	5	100	0.4	5/			NAG04
2006 08 25.04		M	12.0	NP	45	L	5	100	1.5	5			MAR02
2006 08 25.04		M	12.3	NP	45	L	5	100	2	5			SAN04

Comet 4P/Faye [cont.]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 08 26.97		M	11.9	HS	20	L	6	80	2.0	6	0.03	260	CER01
2006 08 26.98		S	11.1	TI	23.5	T	10	94	1	5	2 m		LAB02
2006 08 27.98		S	11.7	TK	20.3	T	10	100	2.0	5			GON05
2006 08 28.91		M	12.1	TJ	41	L	4	89	1	4			SHU
2006 08 29.06		S	11.5	TK	20.3	T	10	100	2.0	5			GON05
2006 08 29.92		M	11.7	HS	20	L	6	80	2.0	6	0.05	265	CER01
2006 09 02.93		S	11.8	HS	30	L	5	60	1.5	4			NEV
2006 09 04.04		M	11.7	HS	20	L	6	80	1.6	7	0.05	260	CER01
2006 09 13.94		S	11.3	AC	41.0	L	6	72	2.2	4			RES
2006 09 13.99		M	11.3	TI	25	L	5	50	2.3	6/			HOR03
2006 09 14.88		M	11.1	TI	20	L	6	80	1.2	6	0.03	265	CER01
2006 09 16.83		S	11.4	TK	30	L	5	60	1.5	4			NEV
2006 09 17.54		S	10.7	GA	10.0	B		25					SEA
2006 09 17.88		M	10.5	TI	20	L	6	80	2.2	7	0.08	270	CER01
2006 09 17.90		S	11.1	AC	41.0	L	6	72	2.7	4			RES
2006 09 17.98		S	11.4	TK	30	L	5	60	1.5	4			NEV
2006 09 19.18		S	10.7	TK	10.0	B		25	3	5			GON05
2006 09 19.87		M	11.3	TK	30	L	5	60	1.4	5			NEV
2006 09 19.92		S	11.0	TI	23.5	T	10	94	2	4			LAB02
2006 09 19.96		S	11.3	AU	25.4	J	6	58	2.5	4/			BOU
2006 09 19.96		S	11.4	AU	25.4	J	6	58	1.9	4/			DIJ
2006 09 20.78	x	M	10.9	TK	25.4	L	4	46	2.1	5			YOS02
2006 09 20.89		M	10.7	TT	42	L	5	81	4	4			LEH
2006 09 20.89		S	11.2	AU	31.0	J	6	89	2.7	5			DIJ
2006 09 20.89		S	11.3	AU	31.0	J	6	89	2.2	5			BOU
2006 09 20.90		M	10.9	TI	20	L	6	80	1.8	6	0.12	270	CER01
2006 09 20.92		S	11.1	AC	41.0	L	6	72	2.8	4/			RES
2006 09 21.91		S	10.7	AC	41.0	L	6	72	3.2	4			RES
2006 09 21.92		M	10.7	TT	42	L	5	81	4	4			LEH
2006 09 22.05		S	10.8	TK	15.0	R	5	38	2.1	5/			MEY
2006 09 22.07		M	10.7	TI	20	L	6	80	1.8	7	0.11	275	CER01
2006 09 22.08		M	11.4	TI	20	L	6	80	1.5				NED
2006 09 22.12		S	11.0	AU	15.6	L	6	36	3.0	4/			BOU
2006 09 22.12		S	11.0	AU	15.6	L	6	36	3.0	4			DIJ
2006 09 22.14		S	10.9	TK	15.0	R	15	75	1.5	6			DIE02
2006 09 22.88		S	10.9	AC	41.0	L	6	72	2.9	4			RES
2006 09 22.92		B	11.3	HS	44.0	L	5	63	1.5	4			HAS02
2006 09 22.96		S	10.4	HS	32.0	L	5	48	4.5	4			PIL01
2006 09 22.99		M	11.0	TK	30	L	5	60	1.4	d6	3 m	260	NEV
2006 09 23.99		S	10.7	AC	41.0	L	6	72	2.8	4/			RES
2006 09 24.05		M	10.9	TI	20	L	6	80	2	6	0.10	260	CER01
2006 09 24.84		M	10.7	TT	35	L	5	68	2.1	4			HOR02
2006 09 24.93		M	10.6	TI	42	L	5	66	4	4			LEH
2006 09 25.09		M	10.4	TI	20	L	6	80	2	7	0.11	250	CER01
2006 09 25.09		M	11.2	TI	20	L	6	80	2		0.07	250	NED
2006 09 25.92		S	10.9	AC	41.0	L	6	72	2.5	3/			RES
2006 09 26.15		S	10.6	TK	10.0	B		25	3	5			GON05
2006 09 26.60	x	M	10.8	TK	25.4	L	4	46	2.2	6			YOS02
2006 09 26.85		M	10.5	TI	42	L	5	66	4	4			LEH
2006 09 26.86		M	10.4	TI	42	L	5	81	3.7	5/			HOR03
2006 09 26.87		S	10.2	TI	23.5	T	10	67	2	5	3 m		LAB02
2006 09 26.98		M	10.4	TI	20	L	6	80	2.4	7	0.10	245	CER01
2006 09 27.66		M	10.8	TJ	40.0	L	4	75	1.1	7/	4 m	250	YOS04
2006 09 27.66		S	10.8	TJ	40.0	L	4	36	2.8	7			YOS04
2006 09 28.92		M	10.3	TT	42	L	5	66	4	4			LEH
2006 09 29.92		M	10.1	TT	42	L	5	66	4	4			LEH
2006 09 30.93		M	10.6	AU	15.6	L	6	36	2.4	5			DIJ
2006 09 30.93		M	10.6	AU	15.6	L	6	36	3.1	5/			BOU
2006 10 02.81	x	S	10.5	TK	10.0	B		37	3	5			YOS02
2006 10 06.10		M	10.7:	TI	20	L	6	80	2	7			CER01
2006 10 10.79		M	9.9:	TI	20	L	6	80	2.5	5			CER01
2006 10 11.46		S	10.0	AA	10.0	B		25					SEA
2006 10 12.46		S	10.1	AA	10.0	B		25					SEA
2006 10 12.81		M	10.0	TI	20	L	6	80	3	7			CER01
2006 10 12.88		S	10.2	TK	20.3	T	10	77	2.0	5			GON05

Comet 4P/Faye [cont.]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 10 12.89		S	10.6	TK	12.7	R	6	102	3	5			GIL01
2006 10 12.90		S	10.1	TK	15.0	R	15	75	1.5	6			DIE02
2006 10 14.83		M	9.5	TT	10	B	4	25	5	3			LEH
2006 10 14.83		M	10.3	TI	20	L	6	80	3.6	8	0.10	265	CER01
2006 10 14.89		S	10.1	TK	20.3	T	10	77	3	5	0.2	260	GON05
2006 10 14.91		S	9.6	TK	10.0	B		25	5	4	0.2	260	GON05
2006 10 15.17		B	10.9	TK	20.3	T	10	57	1.5	7	2.5m	260	ROB06
2006 10 15.88		S	9.8	TK	15.0	R	5	60	2.8	3/			MEY
2006 10 15.90		S	10.1	TK	15.0	R	15	75	2	6			DIE02
2006 10 15.91		S	10.0	TK	30.5	T	10	75	2.1	s5	0.07	260	KAM01
2006 10 16.56	x	B	10.8	TJ	10.0	B	5	26	1.3	5			NAGO4
2006 10 16.81		M	10.2	TI	20	L	6	80	3	8	0.10	260	CER01
2006 10 16.81		S	10.2	TK	15.0	R	15	75	2	6			DIE02
2006 10 16.86		S	9.8	TK	15.0	R	5	60	3.2	3			MEY
2006 10 16.90		M	9.5	TT	10	B	4	25	5	3			LEH
2006 10 16.90		S	10.2	TK	30.5	T	10	75	2.0	s5	0.10	270	KAM01
2006 10 16.91		M	10.1	TK	31.0	J	6	58	2.4	6			BOU
2006 10 16.92		B	10.5	TK	44.0	L	5	63	1.1	4	0.12	255	HAS02
2006 10 16.92		M	9.9	TK	31.0	J	6	58	2.7	5			DIJ
2006 10 16.96		S	9.6	AC	13.0	L	6	50	3.3	5			RES
2006 10 17.86		S	9.6	AC	13.0	L	6	50	3.0	5/			RES
2006 10 18.82		M	10.5	TK	30	L	5	60	2.5	S8	6 m	265	NEV
2006 10 19.02		S	9.6	AC	41.0	L	6	72	3.2	6	0.10	255	RES
2006 10 19.85		M	9.1	TT	10	B	4	25	5	3			LEH
2006 10 20.82		S	9.4	TK	10.0	B		25	4	4	0.1	260	GON05
2006 10 21.72	x	S	9.5	TK	10.0	B		20	4	5			YOS02
2006 10 21.92		B	9.5	TI	23.5	T	10	67	3	6	6 m		LAB02
2006 10 22.34		S	10.4	TK	50	L	4	114	1.9	5	5 m	260	LIN04
2006 10 23.76	x	S	9.4	TK	10.0	B		20	4	5			YOS02
2006 10 24.51		S	9.4	AA	10.0	B		25	4				SEA
2006 10 24.88		M	9.8	TK	31.0	J	6	58	2.5	6			BOU
2006 10 24.88		M	10.1	TK	31.0	J	6	58	1.5	5			DIJ
2006 10 24.91		S	10.1	TK	15.0	R	15	75	2	5			DIE02
2006 10 25.81		M	9.7	TK	15.0	R	5	38	3.8	5			MEY
2006 10 25.92		S	9.5	AC	41.0	L	6	72	3.2	5/	0.3	250	RES
2006 10 26.89		M	9.7	TK	15.0	R	5	38	4.4	5			MEY
2006 10 27.16		S	9.3	TK	10.0	B		25	4	5	0.1	260	GON05
2006 10 27.18		S	9.7	TK	20.3	T	10	77	3	5	0.1	260	GON05
2006 10 27.52		S	9.5	AA	10.0	B		25					SEA
2006 10 27.87		S	9.6	TK	20.3	T	10	77	3	5	0.1	260	GON05
2006 10 27.89		S	9.3	TK	10.0	B		25	4	5	0.1	260	GON05
2006 10 28.50		M	9.5	AA	10.0	B		25					SEA
2006 10 29.84		S	9.4	AC	41.0	L	6	72	3.5	5/	0.3	255	RES
2006 10 30.81		M	9.5	TK	15.0	R	5	38	2.7	3			MEY
2006 10 30.94		S	9.8	TK	30.5	T	10	75	2.0	s4	0.04	300	KAM01
2006 10 31.02		S	9.4	AC	41.0	L	6	72	3.5	6	0.3	255	RES
2006 10 31.64		S	9.8	TJ	40.0	L	4	36	3.9	7			YOS04
2006 10 31.85		S	9.3	AC	6.0	B		20	2	4			RES

Comet 29P/Schwassmann-Wachmann

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 07 25.04		M	12.9	HS	20	L	6	133	1.3	5			CER01
2006 08 04.11		S	12.4	TA	20.3	T	10	100	1.5	2			GON05
2006 08 18.97		M	12.7	HS	20	L	6	80	1.0	5			CER01
2006 08 20.05		S	11.0	TA	23.5	T	10	188	1	3			LAB02
2006 08 20.05		S	11.0	TA	23.5	T	10	188	1	3			LAB02
2006 08 20.97		M	12.5	HS	20	L	6	80	1.0	5			CER01
2006 08 21.11		S	12.5	TA	20.3	T	10	100	1.5	2			GON05
2006 08 22.69		S	13.2	HS	40.0	L	4	144	1.1	1			YOS04
2006 08 27.03	x	S	13.7	HS	38	L	4	190	1.2	1/			BOH02
2006 08 30.00		M	13.2	HS	20	L	6	80	1.3	5			CER01
2006 09 02.91	x	S	13.7	HS	35	L	4	150	0.9	3			POW01
2006 09 02.95		S	12.6	HS	30	L	5	180	0.7	3			NEV
2006 09 04.04		M	13.2	HS	20	L	6	80	0.9	7			CER01

Comet 29P/Schwassmann-Wachmann [cont.]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 09 14.89		M	13.2:	HS	20	L	6	133	1.0	4			CERO1
2006 09 16.89	x	S	13.8	HS	35	L	4	150	0.7	2			POW01
2006 09 16.93	x	S	12.5	HS	20.3	L	6	100	0.8	4			PAR03
2006 09 17.91		S	13.5	AC	41.0	L	6	121	0.6	2			RES
2006 09 18.02		M	13.7	HS	20	L	6	133	0.6	3			CERO1
2006 09 20.99		M	13.8	HS	20	L	6	133	0.5	5			CERO1
2006 09 22.10		M	13.9	HS	20	L	6	133	0.4	5			CERO1
2006 09 22.16		S	13.6	AC	41.0	L	6	121	0.7	3			RES
2006 09 22.90		S	13.8	AC	41.0	L	6	121	0.5	2			RES
2006 09 23.96	x	S	14.0	HS	25	L	4	150	0.7	2			POW01
2006 09 24.01		S	13.7	AC	41.0	L	6	121	0.5	2			RES
2006 09 24.06		M	13.8	HS	20	L	6	133	0.6	4			CERO1
2006 09 25.08		M	13.8	HS	20	L	6	80	0.5	5			CERO1
2006 09 25.92		S	13.6	AC	41.0	L	6	121	0.5	3			RES
2006 09 27.00		M	13.6	HS	20	L	6	133	0.7	6			CERO1
2006 09 27.06		M	13.1	HS	42	L	5	81	1.5	3			LEH
2006 09 27.68		S	13.4	HS	40.0	L	4	144	1.0	3			YOS04
2006 09 28.98		M	13.0	HS	42	L	5	81	1.5	3			LEH
2006 09 30.04		M	13.0	HS	42	L	5	81	1.5	3			LEH
2006 10 12.80		M	12.3	HS	20	L	6	133	1.2	4			CERO1
2006 10 14.85		M	12.6	HS	20	L	6	133	1	4			CERO1
2006 10 14.97		S	11.8	TK	20.3	T	10	77	1.3	4			GON05
2006 10 16.81		M	11.9	HS	20	L	6	80	1.4	5			CERO1
2006 10 16.92		S	12.8	HS	44.0	L	5	63	1.0	4			HAS02
2006 10 16.94		S	12.1	TA	31.0	J	6	109	1.3	5			DIJ
2006 10 16.94		S	12.1	TA	31.0	J	6	109	1.0	5			BOU
2006 10 16.97		S	11.5	AC	41.0	L	6	72	1.8	6			RES
2006 10 17.91	x	S	11.7	TT	30	L	6	105	& 1	2/			FIL04
2006 10 17.92		S	11.7	AC	13.0	L	6	50	1.5	5/			RES
2006 10 18.84		S	12.8	HS	30	L	5	100	1	3			NEV
2006 10 19.02		S	11.9	AC	41.0	L	6	72	1.8	4			RES
2006 10 21.94		S	12.5	TA	23.5	T	10	188	1	4			LAB02
2006 10 23.80		S	12.5	TA	25.4	L	4	113	1.7	3/			YOS02
2006 10 24.94		S	12.4	TA	31.0	J	6	109	1.4	2/			BOU
2006 10 24.95		S	12.6	TA	31.0	J	6	109	1	2			DIJ
2006 10 25.89		S	12.4	AC	41.0	L		72	1.5	3/			RES
2006 10 29.84		S	12.9	AC	41.0	L		72	1.2	2/			RES
2006 10 31.06		S	13.2	AC	41.0	L	6	72	1.5	2/			RES
2006 10 31.66		S	11.9	HS	40.0	L	4	144	1.7	3			YOS04

Comet 41P/Tuttle-Giacobini-Kresák

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 05 19.88	x	S	12.0	TK	11.4	L	8	45	& 4	2			DOR02
2006 05 21.87	x	S	10.8	TT	20.3	L	6	57	2.0	6			PAR03
2006 05 22.88	x	S	12.5	TK	11	L	8	100	3	3			DOR02
2006 05 26.88	x&	S	10.6	TT	20.3	L	6	48	3.0	6			PAR03
2006 05 28.88	x&	S	10.7	TT	20.3	L	6	48	3.2	6			PAR03
2006 06 09.88	x&	S	9.6:	TT	10.0	B		25	& 2	5			PAR03
2006 06 09.89	x&	S	10.4:	TT	20.3	L	6	57	& 2	6			PAR03
2006 06 16.88	x&	S	10.9:	TT	20.3	L	6	57	& 2	5			PAR03
2006 06 16.89	x&	S	10.3	TT	20.3	L	6	57	& 3	6			PAR03
2006 06 18.89	x&	S	10.0	TT	20.3	L	6	57	2.0	5			PAR03
2006 06 24.89	x&	S	11.0:	TT	20.3	L	6	57	& 2	5			PAR03
2006 06 25.89	x&	S	9.6:	TT	20.3	L	6	57	4.5	4			PAR03
2006 06 30.89	x&	S	10.8:	TT	20.3	L	6	71	& 2	4			PAR03
2006 07 16.89		M	11.2:	HS	20	L	6	133	2.1	5			CERO1
2006 07 17.88		M	10.8	HS	20	L	6	48	2.3	4			CERO1
2006 07 24.86		M	11.5:	HS	20	L	6	133	2	5			CERO1
2006 08 20.84		M	13.3	HS	20	L	6	80	1.6	4			CERO1
2006 08 21.88		S	12.8	NP	32	L	5	75	1.5	1/			MAR02
2006 08 26.83		M	13.4	HS	20	L	6	80	1.7	3			CERO1
2006 08 27.89		S	12.7	TK	20.3	T	10	100	2	3			GON05

Comet 71P/Clark

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 08 12.95		S	11.4	TK	18	L	8	115	0.5	7			AMO01
2006 08 19.46		S	11.6	GA	25.4	L	4	71					SEA
2006 08 19.98		S	12.8	NP	32	L	5	75	1	2/			MAR02
2006 08 20.42		S	11.6	GA	10.0	B		25					SEA
2006 08 20.93		S	12.0	TK	18	L	8	115					AMO01
2006 08 21.40		S	11.6	GA	10.0	B		25					SEA
2006 08 21.91		S	13.0	NP	32	L	5	75	1.5	2			MAR02
2006 08 22.02		S	12.0	TK	20.3	T	10	57	1	1			ROB06
2006 08 22.04		S	11.8	TK	18	L	8	115					AMO01
2006 08 23.01		S	11.8:	TK	18	L	8	115					AMO01
2006 08 23.93		S	12.2:	TK	18	L	8	115					AMO01
2006 08 24.90		S	12.9	NP	45	L	5	100	1	2/			MAR02
2006 08 24.92		S	12.0	TK	18	L	8	115					AMO01
2006 08 25.95		S	11.9	TK	18	L	8	115					AMO01
2006 08 27.92		S	11.8	TK	20.3	T	10	100	1.5	3			GON05
2006 08 30.05		S	12.0	TK	23	L	5	45					AMO01
2006 09 11.04		S	12.6	HS	20.3	T	10	57	1	1			ROB06
2006 09 21.05		[13 :	HS	20.3	T	10		80					ROB06
2006 09 21.94		S[13.0	HS	18	L	8		180					AMO01
2006 09 27.44		S	12.6	AU	40.0	L	4	144	0.9	3			YOS04

Comet 73P/Schwassmann-Wachmann [component C, stated or presumed]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 02 23.88	x	S	13.5	HS	35	L	4	150	0.7	3			POW01
2006 03 04.74	x	B	12.2	HS	30.4	L	5	79	0.4	4/			NAG04
2006 03 07.11	x	S	12.0	HS	25	L	5	120	0.5	4			JAR02
2006 03 20.80	x	S	10.0:	TK	11.4	L	8	45	& 3	4			DOR02
2006 03 21.84	x	S	11.5	TT	35	L	4	75	1.2	5	0.03	250	POW01
2006 03 21.84	x	S	11.5	TT	35	L	4	75	1.2	5			POW01
2006 03 21.90	x	S	11.1	TT	25	L	5	120	1.5	4			JAR02
2006 03 22.08	x	S	11.0	TK	11.4	L	8	45	3	4			DOR02
2006 03 23.09	x	S	11.5	TT	35	L	4	75	1.5	4			POW01
2006 03 23.81	x	S	11.4	TT	35	L	4	75	3.2	5	0.13	260	POW01
2006 03 23.88	x	S	11.6	HS	25	L	5	120	2	7			SAD01
2006 03 23.89	x	S	11.0	TI	25	L	4	120	1.2	4			DOB02
2006 03 24.95	x	S	11.3	TT	20.3	L	6	57	2	5			PAR03
2006 03 25.02	x	B	10.5	TK	11.4	L	8	45	3	5			DOR02
2006 03 30.02	x	B	10.0	TK	11.4	L	8	45	3	5			DOR02
2006 03 31.12		B	10.3	AC	10.0	B		25	2	2			NOW
2006 03 31.88		S	9.5	TI	9.0	B		20	6	s6			SCA02
2006 04 01.95		S	9.4	TI	9.0	B		20	8	s5			SCA02
2006 04 02.01		S	9.8	AC	41.0	L	6	72	2.5	5/	0.05	244	RES
2006 04 02.85		S	9.7	AC	41.0	L	6	72	2.6	5/	0.05	250	RES
2006 04 02.85	x	S	9.9	TI	25	L	5	96	2	4			JAR02
2006 04 02.88	x	B	10.7	TJ	25	L	6	108	1	6			SWI
2006 04 03.86	x	B	10.3	TK	11.4	L	8	45	2.5	6	0.08	240	DOR02
2006 04 04.88	x	B	10.6	TK	11.4	L	8	45	2.5	6	0.08	240	DOR02
2006 04 06.84	x	S	9.9	TT	35	L	4	45	1.5	5			POW01
2006 04 06.88	x	B	9.7	TK	11.4	L	8	45	1.5	6	0.08	240	DOR02
2006 04 07.92	x	M	9.9	TT	20.3	L	6	38	2.5	5			PAR03
2006 04 08.91	x	M	9.7	TT	20.3	L	6	57	2.5	5			PAR03
2006 04 13.97	*	S	8.9	TI	9.0	B		20	6	s6			SCA02
2006 04 15.85	x	M	9.4	TT	20.3	L	6	57	2.5	S5			PAR03
2006 04 15.86	x	B	9.6	TT	35	L	4	45	1.3	7	0.2	220	POW01
2006 04 15.89	x	B	8.8	TK	11.4	L	8	45	4	7	0.25	230	DOR02
2006 04 16.87	x	B	9.6	TT	30.0	L	6	60	& 2.5	6/	&0.17	230	FIL04
2006 04 17.84	x	B	9.5	TT	30.0	L	6	60	& 2	6/	&0.17	225	FIL04
2006 04 17.91	x	B	8.8	TK	11.4	L	8	45	4	7	0.3	240	DOR02
2006 04 17.91	x	S	9.0	TJ	10.0	B		25	1.5	3			MAR12
2006 04 18.89	x	B	8.9	TT	30.0	L	6	60	& 2	6	&0.17	235	FIL04
2006 04 18.90	x	B	8.5	TJ	10.0	B		25	2	S5	0.15	300	MAR12
2006 04 19.89	x	B	8.6	TK	11.4	L	8	45	5	7	0.3	210	DOR02
2006 04 19.90	x	B	9.1	TT	30.0	L	6	60	& 2	7	&0.2	225	FIL04
2006 04 19.92	x	S	9.5	TT	10.0	B		25	& 2	5/			SCI

Comet 73P/Schwassmann-Wachmann [component C] (cont.)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 04 20.17		B	7.7	AC	9.0	B		20	6	3	0.05	290	NOW
2006 04 20.82		S	8.1	TI	9.0	B		20	10	s6	30 ^m		SCA02
2006 04 20.85	x	B	8.5	TJ	10.0	B		25	3	S5	0.15	240	MAR12
2006 04 20.86	x	B	9.1	TT	30.0	L	6	60	& 2	6	&0.2	240	FIL04
2006 04 20.87		M	8.6	TI	20	L	6	48	3	7	0.2	230	CER01
2006 04 21.01	x	B	8.6	TK	11.4	L	8	45	5	6	0.3	215	DOR02
2006 04 21.82	x	B	8.5	TT	6.0	B		15	& 6	5			POW01
2006 04 21.89	x	M	8.8	TT	20.3	L	6	38	3.0	S5	0.70	226	PAR03
2006 04 21.94	x	B	8.9	TT	30.0	L	6	60	& 3	6/	&0.22	225	FIL04
2006 04 21.97	x	M	8.8	TJ	18.5	L	5	53	2	5	0.2	224	KWI
2006 04 22.85		S	8.4	TJ	5.0	B		10					PIL01
2006 04 22.94	x	S	9.0	TT	10.0	B		25	& 2	6			SCI
2006 04 23.02	x	B	8.7	TT	20	L	4	30	5	6	0.33	210	SWI01
2006 04 23.80	x	B	8.5	TT	35	L	4	45	4	6	0.3	223	POW01
2006 04 23.84	x	B	8.4	TT	25	L	6	108	1	5			SWI
2006 04 23.84	*	S	7.8:	TI	9.0	B		20	10	s6	&30 ^m	225	SCA02
2006 04 23.88	x	M	8.6	TT	20.3	L	6	57	3.0	S5	0.50	230	PAR03
2006 04 23.95		S	7.8	AA	6.0	B		20	5	S4			CSU
2006 04 24.86	x	B	8.8	TT	7.0	B		26	5	S7			SWI01
2006 04 24.86	x	S	8.7	TT	10.0	B		25	& 2.5	6			SCI
2006 04 24.88		S	7.7	AA	6.0	B		20	5	S5			CSU
2006 04 24.89	x	B	8.6	TK	11.4	L	8	45	4	7	0.42	220	DOR02
2006 04 24.90	x	B	8.5	TT	10.0	B		25	& 2	6	&0.22	240	FIL04
2006 04 25.03	x	M	8.5	TJ	18.5	L	5	53	2.5	5/	0.27	214	KWI
2006 04 25.85	x	B	8.4	AC	25	L	5	36	& 3	S7	0.17		SIC01
2006 04 25.86	x	B	8.8	TT	10.0	B		25	& 2	6	&0.08	230	SCI
2006 04 25.88	x	B	8.5	TT	10.0	B		25	& 3	5/	&0.15	250	FIL04
2006 04 25.90	x	B	8.6	TT	7.0	B		26	6	6	0.4	210	SWI01
2006 04 25.92		M	9.1	TI	20	L	6	30	2.5	6	0.3	230	CER01
2006 04 26.90	x	S	8.2	TJ	10.0	B		25	& 3	s6	0.15	210	MAR12
2006 04 26.95	x	B	8.8	TT	10.0	B		25	& 3	5/	&0.08	240	SCI
2006 04 26.98	x	B	8.4	TT	10.0	B		25	& 3	6	&0.22	230	FIL04
2006 04 27.86	x	S	8.5	TT	10.0	B		25	& 3	4			SCI
2006 04 27.87	x	B	8.0	TK	11.4	L	8	45	5	6	0.42	230	DOR02
2006 04 27.92	x	B	8.0	TT	10.0	B		25	& 4	5/	&0.13	235	FIL04
2006 04 27.93		S	7.8	TK	8.0	B		15	7.5	3			HUR
2006 04 28.15		B	7.2	AC	10.0	B		25	16	5	1.5	270	NOW
2006 04 28.88	x	B	7.7	TK	11.4	L	8	45	5	6	0.33	230	DOR02
2006 04 28.88	x	B	8.2	TT	20.3	L	6	57	3.0	S5	0.40	230	PAR03
2006 04 28.89		S	7.4	TI	5.0	B		7	12	s7			SCA02
2006 04 29.91		S	7.4	TK	8.0	B		15	5	5			HUR
2006 04 30.77	x	B	7.0	HV	5.0	B		10	6	5			NAG04
2006 05 01.14					10.0	B		25	10	5	1.0	270	NOW
2006 05 01.14		B	7.3	AC	3.5	B		7					NOW
2006 05 01.86		S	6.8	TI	5.0	B		7	14	s6	1.0	225	SCA02
2006 05 01.88	x	B	7.3	TK	11.4	L	8	45	6	7	0.83	235	DOR02
2006 05 01.89		S	7.4	TK	8.0	B		15	7	3			HUR
2006 05 02.83		S	6.7	TI	9.0	B		20	18	s7	1.0	225	SCA02
2006 05 02.85	x	B	7.4	TT	10.0	B		25	& 3	6	&0.42	240	FIL04
2006 05 02.85	x	B	8.1	TT	10.0	B		25	& 2	6	&0.1	230	SCI
2006 05 02.90	x	B	7.5	TT	7.0	B		26	5	6	0.8	240	SWI01
2006 05 02.92		M	6.5	TI	5.0	B		10	7	5	0.6	230	CER01
2006 05 03.77	x	B	6.6	HV	7.0	R	6	17	3.3	6	1		NAG04
2006 05 03.86	x	B	7.3	TI	6.0	B		20	& 5	5	0.20	250	SIW
2006 05 03.86	x	B	8.0	TT	10.0	B		25	& 4	6	&0.18	245	SCI
2006 05 03.88	x	B	7.6	TK	11.4	L	8	45	7	7	1	235	DOR02
2006 05 03.91	x	B	7.5	TT	10.0	B		25	& 4	6	&0.25	245	FIL04
2006 05 03.92	x	B	7.4	S	8	R	8	19	5	5	0.3	240	TUR01
2006 05 03.93	x	B	7.3	TT	7.0	B		26	7	7	1.0	240	SWI01
2006 05 04.01		M	6.7	TI	5.0	B		10	12	6	0.35	235	CER01
2006 05 04.02	x	B	7.4	TT	20.3	L	6	57	3.0	S6	0.83	222	PAR03
2006 05 04.05	x	B	7.3	TJ	6.0	B		20	4	s4	0.5	220	MAR12
2006 05 04.85	x	B	8.0	TT	10.0	B		25	& 3	4			SCI
2006 05 04.88		S	6.5	TI	5.0	B		7	14	s5	1.0	230	SCA02
2006 05 04.90		S	6.9	AA	6.0	B		20	7	S4			CSU

Comet 73P/Schwassmann-Wachmann [component C] (cont.)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 05 05.04	x	B	7.0	TT	5.0	B		7	& 9	5	&0.45	254	FIL04
2006 05 05.88	x	B	7.0	TK	11.4	L	8	45	5	7	0.66	240	DOR02
2006 05 05.95		S	7.3	TK	8.0	B		15	7	4			HUR
2006 05 06.93	x	B	6.7:	TT	5.0	B		7	& 3	S8	&0.50	230	PAR03
2006 05 07.86	x	B	7.0	TK	11.4	L	8	45	4	7	0.16		DOR02
2006 05 08.84	x	B	7.4	TT	6.0	B		15	13	4			POW01
2006 05 08.92		M	5.1	TI	5.0	B		7	12	3/	0.2	240	HOR03
2006 05 09.02	x	B	7.0	TK	11.4	L	8	45	4	8	0.66	250	DOR02
2006 05 09.06		S	6.5	AA	5.0	B		7	7	4			KOS
2006 05 09.91	x	B	7.6	TT	10.0	B		25	& 4	6	&0.2	260	SCI
2006 05 09.93	x	B	7.2	TT	7.0	B		26	4	5			SWI01
2006 05 10.01		M	5.7	TI	5.0	B		10	12	5			CER01
2006 05 10.03		S	6.9	AA	6.0	B		20	4	S5	0.1	257	CSU
2006 05 10.89	x	B	7.5	TK	11.4	L	8	45	4	4	0.17	230	DOR02
2006 05 10.93	x	S	8.1	TT	10.0	B		25	& 2	4/			SCI
2006 05 10.95	x	B	7.6	TJ	10.0	B		25	1.0	3			MAR12
2006 05 10.97	x	B	7.6	TT	7.0	B		26	4	5			SWI01
2006 05 10.98	x	B	6.3	TT	5.0	B		7	8	5			PAR03
2006 05 10.99		S	6.3	TI	9.0	B		20	12	s5	20 m	240	SCAO2
2006 05 11.89	x	S	8.0:	TK	11.4	L	8	45	4	3	0.17	230	DOR02
2006 05 11.93	x	S	8.6	TT	10.0	B		25	& 1.5	4			SCI
2006 05 11.97	x	B	7.9	TT	7.0	B		26	3	5	&0.2	250	SWI01
2006 05 11.97		S	6.2	TI	9.0	B		20	14	s5	30 m	240	SCAO2
2006 05 12.02	x	B	7.0	TT	6.0	B		20	4	S5	0.72	248	PAR03
2006 05 12.03		S	6.8	AA	6.0	B		20	5	S4	0.73	256	CSU
2006 05 12.04		M	5.9	TI	5.0	B		10	14	5	0.3	250	CER01
2006 05 12.95	x	S	7.7	TT	10.0	B		25	& 2	3			SCI
2006 05 13.01	x	B	8.0	TT	7.0	B		26	4	4			SWI01
2006 05 14.02		S	6.2	TI	9.0	B		20	12	s5	30 m	240	SCAO2
2006 05 18.04	x	B	7.4	TT	10.0	B		25	& 4	5/	&0.3	270	FIL04
2006 05 20.01	x&	B	7.6	TT	10.0	B		25	3.0	5	0.63	258	PAR03
2006 05 20.12	x	S	7.5	TK	11.4	L	8	45	5	6			DOR02
2006 05 20.13	x&	S	7.4:	TT	10.0	B		25	& 4	5			FIL04
2006 05 23.04	x&	S	7.1:	TT	10.0	B		25	& 3.0	5			PAR03
2006 08 04.13		S	11.3	TK	20.3	T	10	100	2	4			GON05
2006 08 22.77		S	13.0	AU	40.0	L	4	144	1.0	4/			YOS04
2006 08 27.06		S	12.9	TI	23.5	T	10	188	1	3			LAB02
2006 08 29.16		S	12.8	TK	20.3	T	10	100	1.5	3			GON05
2006 09 13.02		S	13.3	AC	41.0	L	6	121	1.0	3			RES
2006 09 24.01		S	13.7	AC	41.0	L	6	121	0.5	3			RES
2006 09 24.07		M	13.8	HS	20	L	6	80	1.7	5			CER01
2006 09 25.06		S	14.1:	HS	20	L	6	133	1.5	4			CER01
2006 09 25.96		S	13.7	AC	41.0	L	6	121	0.5	3			RES
2006 09 27.64		S	13.9	AU	40.0	L	4	144	1.2	3/			YOS04
2006 09 30.00		B	13.3	HS	42	L	5	81	2	3			LEH

Comet 73P/Schwassmann-Wachmann [component B]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 03 07.12	x	S	13.8:	HS	25	L	5	120	0.4	4/			JAR02
2006 03 21.82	x	S	12.1	HS	35	L	4	150	0.9	3			POW01
2006 03 21.92	x	S	12.4	TT	25	L	5	120	0.4	3			JAR02
2006 03 23.79	x	S	12.5	HS	35	L	4	75	0.9	4			POW01
2006 03 24.96	x	S	12.8	HS	20.3	L	6	120	1	4			PAR03
2006 03 24.97	x	S	12.6	HS	20.3	L	6	100	1	3			PAR03
2006 04 02.02		S	11.7	AC	41.0	L	6	72	1.4	3/			RES
2006 04 02.83	x	S	11.0	TI	25	L	5	120	1.1	6			JAR02
2006 04 02.85		S	10.7	AC	41.0	L	6	72	1.5	7/			RES
2006 04 02.90	x	B	11.0	TJ	25	L	6	108	0.5	9			SWI
2006 04 03.86	x	B	10.0	TK	11.4	L	8	45	1.5	8			DOR02
2006 04 04.88	x	B	10.2	TK	11.4	L	8	45	1.5	8			DOR02
2006 04 06.83	x	B	9.6	TT	35	L	4	75	1.5	8			POW01
2006 04 06.88	x	M	9.5	TK	11.4	L	8	45	2	7	0.05	240	DOR02
2006 04 07.91	x	B	9.7	TT	20.3	L	6	38	1.5	S7			PAR03
2006 04 08.89	x	B	9.6	TT	20.3	L	6	57	1.5	S7			PAR03

Comet 73P/Schwassmann-Wachmann [component B] (cont.)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 04 13.98	*	S	9.2	TI	9.0	B		20	4	s3			SCA02
2006 04 15.83	x	M	9.4	TT	20.3	L	6	57	2.0	6	0.10	235	PAR03
2006 04 15.88	x	S	11.0	TT	35	L	4	75	1.0	4	0.09	205	POW01
2006 04 15.89	x	B	9.7	TK	11.4	L	8	45	5	3	0.17	230	DOR02
2006 04 17.91	x	B	9.8	TK	11.4	L	8	45	5	3	0.16	240	DOR02
2006 04 19.89	x	S	10.2	TK	11.4	L	8	45	5	3	0.17	240	DOR02
2006 04 20.01	x	S	9.5	TK	11.4	L	8	45	6	3	0.17	220	DOR02
2006 04 20.82		S	9.4	TI	9.0	B		20	6	s3	20 m		SCA02
2006 04 20.90		M	9.7	TI	20	L	6	48	2.5	3	0.15	225	CER01
2006 04 21.90	x	M	9.4	TT	20.3	L	6	38	2.0	7	0.33	230	PAR03
2006 04 21.98	x	S	10.1	TJ	18.5	L	5	53	1	2/			KWI
2006 04 22.85		S	9.0	HS	5.0	B		10					PIL01
2006 04 23.82	x	S	10.5	TT	35	L	4	75	7	2			POW01
2006 04 23.85	x	S	10.7	TJ	25	L	6	108	1	1			SWI
2006 04 23.87	*	S	9.8:	TI	9.0	B		20	5	s3			SCA02
2006 04 23.91	x	B	9.7:	TT	20.3	L	6	57	1.7	7	0.30	230	PAR03
2006 04 24.88	x	S	9.8:	TT	10.0	B		25	& 2	2			SCI
2006 04 24.89	x	S	10.0	TK	11.4	L	8	45	4	3	0.3	215	DOR02
2006 04 24.93		S	9.0	AA	6.0	B		20	4.5	0			CSU
2006 04 25.04	x	S	9.6	TJ	18.5	L	5	53	1.5	2			KWI
2006 04 25.87	x	B	9.4:	AC	25	L	5	36	& 2	3	0.15		SIC01
2006 04 25.87	x	S	9.8:	TT	10.0	B		25	& 2	2			SCI
2006 04 25.94		M	9.7	TI	20	L	6	48	2	4	0.25	230	CER01
2006 04 26.90	x	B	8.7	TJ	10.0	B		25	& 3	s5	0.05	210	MAR12
2006 04 26.95	x	B	9.6	TT	10.0	B		25	& 2	S4			SCI
2006 04 26.97	x	B	8.8	TT	10.0	B		25	& 3	6	&0.12	220	FIL04
2006 04 27.86	x	B	9.1	TK	11.4	L	8	45	3	7	0.16	215	DOR02
2006 04 27.86	x	S	8.9	TT	10.0	B		25	& 2	5			SCI
2006 04 27.93	x	B	8.9	TT	10.0	B		25	& 2	6	&0.12	225	FIL04
2006 04 27.93		S	7.8	TK	8.0	B		15	10	2			HUR
2006 04 28.88	x	B	8.5	TK	11.4	L	8	45	4	7	0.16	220	DOR02
2006 04 28.89		S	8.0	TI	5.0	B		7	20	s4			SCA02
2006 04 28.90	x	B	9.0	TT	20.3	L	6	57	2.0	S7	0.25	230	PAR03
2006 04 29.92		S	8.2	TK	8.0	B		15	13	3			HUR
2006 04 30.79	x	B	8.8	HV	30.4	L	5	61	2.1	5	17 m	210	NAG04
2006 05 01.14		B	8.2	AC	10.0	B		25	6	2	0.75	270	NDW
2006 05 01.86		S	7.6	TI	5.0	B		7	22	s3			SCA02
2006 05 01.88	x	B	8.6	TK	11.4	L	8	45	5	3	0.1	215	DOR02
2006 05 02.83		S	7.0	TI	9.0	B		20	25	s5	20 m		SCA02
2006 05 02.86	x	B	9.2	TT	10.0	B		25	& 1	S7			SCI
2006 05 02.89	x	B	8.0	TT	10.0	B		25	& 3	5/	&0.17	215	FIL04
2006 05 02.93		M	8.0	TI	5.0	B		10	8	3	0.4	220	CER01
2006 05 03.78	x	B	7.6	HV	7.0	R	6	17	2.8	4	13 m		NAG04
2006 05 03.87	x	B	9.0	TT	10.0	B		25	& 2	5			SCI
2006 05 03.88	x	B	8.3	TK	11.4	L	8	45	5	5	0.16	220	DOR02
2006 05 03.90	x	B	8.3	TT	10.0	B		25	& 4	5/	&0.17	225	FIL04
2006 05 03.92	x	B	8.4	S	8	R	8	19	4	5	0.2	220	TUR01
2006 05 03.94	x	B	8.4	TT	7.0	B		26	4	6	0.4	230	SWI01
2006 05 04.02		M	7.8	TI	5.0	B		10	8	3			CER01
2006 05 04.03	x	B	8.3	TT	20.3	L	6	57	2.0	S5	0.50	220	PAR03
2006 05 04.05	x	B	7.8	TJ	6.0	B		20	2	s4	0.1	220	MAR12
2006 05 04.84	x	B	8.8	TT	10.0	B		25	& 3	3			SCI
2006 05 04.88		S	6.9	TI	5.0	B		7	20	s3			SCA02
2006 05 04.88		S	7.8	AA	6.0	B		20	4.5	2			CSU
2006 05 05.05	x	B	7.6	TT	5.0	B		7	& 9	4/	0.18	220	FIL04
2006 05 05.88	x	S	8.3	TK	11.4	L	8	45	6	3	0.16	230	DOR02
2006 05 07.87	x	S	8.5:	TK	11.4	L	8	45	3	3			DOR02
2006 05 08.83	x	B	6.1	TT	6.0	B		15	8.0	8			POW01
2006 05 08.91		M	5.6	TI	5.0	B		7	13	7/			HOR03
2006 05 08.93		S	5.4	TK	8.0	B		15	11	5			HUR
2006 05 09.02	x	B	5.7	TK	11.4	L	8	45	5	9	0.33	215	DOR02
2006 05 09.06		S	5.4	AA	8	R	6	19	10	S7	0.5	230	KOS
2006 05 09.85		S	6.1	TJ	5.0	B		10	20	6			PIL01
2006 05 09.89	x	B	5.9	TT	7.0	B		26	6	7			SWI01
2006 05 09.89	x	B	6.4	TT	10.0	B		25	& 3	S6	&0.13	240	SCI

Comet 73P/Schwassmann-Wachmann [component B] (cont.)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 05 09.95	x	B	6.0	TJ	5.0	B		10	4	4	0.12		MAR12
2006 05 10.01		M	5.6	TI	5.0	B		10	14	7	0.5	230	CER01
2006 05 10.05					6.0	B		20	14	S3	0.83	240	CSU
2006 05 10.05		S	5.7	AA	0.0	E		1					CSU
2006 05 10.83	x	B	6.2	TT	6.0	B		15	9.0	5			POW01
2006 05 10.86		S	6.5	TJ	5.0	B		10	6	5			PILO1
2006 05 10.89	x	B	6.2	TK	11.4	L	8	45	4	7	0.25	240	DOR02
2006 05 10.89	x	B	6.4	TT	10.0	B		25	& 2	s5	&0.13	240	SCI
2006 05 10.90		M	5.6	TI	5.0	B		7	9.5	5/			HOR03
2006 05 10.94	x	B	5.1	TT	5.0	B		7	11	7			PAR03
2006 05 10.94	x	B	6.5	TJ	10.0	B		25	1.0	s6	0.1	250	MAR12
2006 05 10.96	x	B	5.8	TT	7.0	B		26	7	7	&0.5	240	SWI01
2006 05 10.99		S	5.3	TK	8.0	B		15	14				HUR
2006 05 10.99		S	5.6	TI	9.0	B		20	30	s6	40	m 240	SCAO2
2006 05 11.83	x	B	5.8	TT	6.0	B		15	12	3			POW01
2006 05 11.87		S	6.5	TJ	5.0	B		10					PILO1
2006 05 11.89	x	B	6.2	TK	11.4	L	8	45	4	6	0.33	240	DOR02
2006 05 11.92	x	B	7.2	TT	10.0	B		25	& 1	s5	&0.2	255	SCI
2006 05 11.92		S	5.2	TK	8.0	B		15	20	3			HUR
2006 05 11.93	x	B	6.3	TT	7.0	B		26	4	6	&0.3	240	SWI01
2006 05 11.94		M	5.7	TI	5.0	B		7	9	4/			HOR03
2006 05 11.97		S	5.8	TI	9.0	B		20	25	s5	1.0	240	SCAO2
2006 05 12.01	x	B	5.8	TT	5.0	B		7	7	7			PAR03
2006 05 12.02					6.0	B		20	6.5	S4/	0.65	251	CSU
2006 05 12.02		S	5.7	AA	3.0	B		8					CSU
2006 05 12.03	x	B	6.2	TT	6.0	B		20	4	7	&0.50	229	PAR03
2006 05 12.03		M	5.5	TI	5.0	B		10	10	7	0.42	245	CER01
2006 05 12.89	x	S	5.3	TT	5.0	B		7	&15	4			FIL04
2006 05 12.94	x	B	7.5	TT	10.0	B		25	& 1	4	&0.12	266	SCI
2006 05 12.95	x	B	8.0	TJ	10.0	B		25	0.5	s3	0.1	260	MAR12
2006 05 12.99	x	B	7.0	TT	7.0	B		26	4	5	&0.2	255	SWI01
2006 05 14.06		S	5.9	TI	9.0	B		20	22	s5	1.0	230	SCAO2
2006 05 15.03	x	S	7.5:	S	10.0	B		25	1	s3	0.1	265	MAR12
2006 05 16.96	x	S	7.9:	TT	10.0	B		25	& 3	3			SCI
2006 05 18.03	x	B	8.3	TT	10.0	B		25	& 3	5	&0.4	255	FIL04
2006 05 20.00	x	B	7.2	TT	10.0	B		25	4.5	7	1.83	264	PAR03
2006 05 20.12	x	S	7.5	TK	11.4	L	8	45	5	4	0.25	245	DOR02
2006 05 20.12	x&	S	7.5:	TT	10.0	B		25	& 4	4			FIL04
2006 05 23.03	x&	S	7.9:	TT	10.0	B		25	3.0	6			PAR03
2006 08 22.78		S	[12.6	AU	40.0	L	4	144	!	0.8			YOS04

Comet 73P/Schwassmann-Wachmann [component G]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 03 25.01	x	S	13.8	HS	20.3	L	6	120	& 0.3	6			PAR03
2006 04 15.84	x	S	12.7	HS	20.3	L	6	120	0.8	6			PAR03
2006 04 15.90	x	S	11.5	TK	11.4	L	8	45	& 1	3			DOR02
2006 04 21.94	x	S	12.7	TT	20.3	L	6	100	& 1.0	S6			PAR03
2006 04 23.84	x	S	13.0	HS	35	L	4	150	1.2	4			POW01
2006 04 23.93	x	S	12.8:	HS	20.3	L	6	100	& 1.0	6			PAR03
2006 04 24.89	x	S	12.0:	TK	11.4	L	8	45	2	2			DOR02
2006 04 27.87	x	S	11.0	TK	11.4	L	8	45	& 3	3			DOR02
2006 04 28.88	x	S	12.0	TK	11.4	L	8	45	2	2			DOR02
2006 04 28.92	x	S	12.3	TT	20.3	L	6	100	& 2.0	6			PAR03

Comet 102P/Shoemaker

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 08 25.07		S	[15.2	NP	45	L	5	286	1				MAR02

Comet 117P/Helin-Roman-Alu

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 08 20.03		S	13.3	NP	32	L	5	75	1	2			MAR02
2006 08 21.95		S	13.4	NP	32	L	5	125	1	2/			MAR02

Comet 117P/Helin-Roman-Alu [cont.]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 08 22.67		S	13.7	AU	40.0	L	4	144	0.9	5			YOS04
2006 09 13.94		S	13.6	AC	41.0	L	6	121	0.5	3			RES
2006 09 17.89		S	13.7	AC	41.0	L	6	121	0.5	3			RES
2006 09 21.94		S	13.6	AC	41.0	L	6	121	0.7	3			RES
2006 09 22.89		S	13.7	AC	41.0	L	6	121	0.8	3			RES
2006 09 27.46		S	13.2	AU	40.0	L	4	144	1.3	4			YOS04

Comet 177P/Barnard

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 07 16.92		M	12.5	HS	20	L	6	133	1.2	4			CER01
2006 07 17.90		M	10.9	HS	20	L	6	48	3	3			CER01
2006 07 17.90	x	S	11.0	TK	11.4	L	8	45	4	2			DOR02
2006 07 17.93	x	S	11.0:	TT	30	L	4	96	& 2.5	1/			GRA09
2006 07 17.96		S	10.6	AU	25.4	J	6	47	4	2			BOU
2006 07 17.96		S	10.7	AU	25.4	J	6	47	4	1/			DIJ
2006 07 18.94		S	10.4	AU	25.4	J	6	47	4	2			BOU
2006 07 18.94		S	10.6	AU	25.4	J	6	47	3.6	0/			DIJ
2006 07 18.98	x	S	10.7	TT	30.0	L	6	105	& 3	1/			FIL04
2006 07 19.89	x	S	11.2	TT	35	L	4	45	2.5	2			POW01
2006 07 19.90	x	S	11.0	TK	11.4	L	8	45	3	2			DOR02
2006 07 19.91		M	10.1	TI	20	L	6	48	6	3			CER01
2006 07 19.91	x	S	11.2	TT	30.0	L	6	105	& 2	2			FIL04
2006 07 19.94		S	9.9	TK	15.6	L	5	29	5.5	1/			BOU
2006 07 19.95		S	10.3	AU	15.6	L	5	29	4.5	1			DIJ
2006 07 19.96		M	9.8	TI	25	L	5	50	9.5	2			HOR03
2006 07 20.92		M	9.7	TI	25	L	5	50	9.5	1/			HOR03
2006 07 21.89	x	S	10.0	TK	11.4	L	8	45	5	2			DOR02
2006 07 21.90		M	9.6	TI	25	L	5	50	8	2			HOR03
2006 07 21.96		M	9.0	TI	20	L	6	48	7.5	2			CER01
2006 07 22.90	x	S	9.8	TK	11.4	L	8	45	5	2			DOR02
2006 07 22.91	x	S	11.2:	TT	20.3	L	6	57	2	2			PAR03
2006 07 22.93		M	9.6	TI	25	L	5	50	8.5	2			HOR03
2006 07 23.91	x	S	10.7	TT	20.3	L	6	57	4	2			PAR03
2006 07 23.93	x	S	9.5	TK	11.4	L	8	45	6	2			DOR02
2006 07 24.89	x	S	9.5	TK	11.4	L	8	45	6	2			DOR02
2006 07 24.95		M	9.5	TI	25	L	5	50	7.5	2/			HOR03
2006 07 24.95		S	9.7	TJ	30	L	6	70	4.2	2			SHA02
2006 07 24.96		S	8.8	TJ	8.0	B		20	6	2			SHA02
2006 07 24.97		M	9.7	TI	20	L	6	48	6	1			CER01
2006 07 25.87		S	9.0	TT	8.0	B		10	11	2			HOR02
2006 07 25.88	x	S	9.9	TT	20.3	L	6	57	6	2			PAR03
2006 07 25.90	x	S	9.0	TK	11.4	L	8	45	6	2			DOR02
2006 07 25.93	x	S	9.8	TT	30.0	L	6	105	& 4	2			FIL04
2006 07 25.96		M	9.5	TI	25	L	5	50	9.5	2/			HOR03
2006 07 26.85	x	S	11.2	TT	25	L	5	50	& 2	2			SCI
2006 07 26.91	x	S	8.8	TK	11.4	L	8	45	6	2			DOR02
2006 07 26.92		M	9.5	TI	25	L	5	50	7.5	2/			HOR03
2006 07 26.93	x	S	9.8	TT	30.0	L	6	60	& 5	2			FIL04
2006 07 27.00		S	9.5:	TK	30.5	T	10	56	& 5	1			COM
2006 07 27.90	x	S	10.6	TI	25	L	5	48	& 8.2	2			JAR02
2006 07 27.91	x	S	9.0	TK	11.4	L	8	45	7	2/			DOR02
2006 07 27.91	x	S	11.3	TT	25	L	5	50	& 2	2			SCI
2006 07 27.95		M	9.4	TI	25	L	5	50	8.5	3			HOR03
2006 07 27.95	x	S	10.3	TT	30.0	L	6	60	& 4	2			FIL04
2006 07 28.87	x	S	10.9	TT	20	L	10	150	& 2	2			SCI
2006 07 28.88		S	8.8	TT	8.0	B		10	10	1/			HOR02
2006 07 28.89	x	S	9.7	TT	10.0	B		25	6	2			PAR03
2006 07 28.91		M	9.2	HD	11	B		20	6	1			NEV
2006 07 28.91	x	S	9.9	TT	20.3	L	6	48	5	2			PAR03
2006 07 28.99		M	9.4	TI	25	L	5	50	8	3			HOR03
2006 07 30.68	x	S	9.7	TJ	30.4	L	5	61	4.5	1/			NAG04
2006 07 30.86		S	8.6	TT	8.0	B		10	13	2			HOR02
2006 07 30.92	x	S	11.0	TT	20	L	10	150	& 2	2			SCI
2006 07 30.96		S	8.3	TK	8.0	B		15	10	1/			BOU

Comet 177P/Barnard [cont.]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 07 31.93		S	8.1	TK	5.6	B		10	&13	2			BUS01
2006 07 31.94		S	8.4	TK	8.0	B		15	10	1/			BOU
2006 07 31.94		S	8.7	TK	8.0	B		15	8	3/			DIJ
2006 07 31.96		S	8.9	TK	8.0	B		15	& 8	1			COM
2006 08 01.01		S	8.2	TK	5.0	B		7	13	2/			GON05
2006 08 01.93		S	8.3	TK	8.0	B		15	12	1/			BOU
2006 08 01.93		S	8.6	TK	8.0	B		15	8	1/			DIJ
2006 08 01.94		S	8.2	TK	5.0	B		7	11	1			BOU
2006 08 01.98		S	8.6	VB	10	B		25	8	2			SHAO2
2006 08 02.86		M	8.0	TI	6.0	B		12	13	3			CER01
2006 08 02.87		S	8.6	TT	8.0	B		10	15	2			HOR02
2006 08 02.87	x	S	9.0	TT	6.0	B		15	6	2			POW01
2006 08 02.91	x	S	9.4	TT	10.0	B		25	7	2			PAR03
2006 08 02.91	x	S	9.5	TT	10.0	B		25	& 5	2/			FIL04
2006 08 03.66	x	B	9.7	TJ	10.0	B	5	26	3.7	1/			NAG04
2006 08 03.86		M	10.8	TJ	41	L	4	89	2.5	2/			SHU
2006 08 03.92		S	8.3:	TJ	5.0	B		7	8	1			CHE03
2006 08 03.94		B	8.7	TJ	11.0	B		20	6	1			CHE03
2006 08 03.99		S	8.0	TK	5.0	B		7	12	2/			GON05
2006 08 04.00		S	8.3	TK	10.0	B		25	10	2/			GON05
2006 08 04.95	x	S	9.5	TT	10.0	B		25	5	2			PAR03
2006 08 05.06		S	8.0	TK	5.0	B		7	12	2			GON05
2006 08 05.07		S	8.4	TK	20.3	T	10	36	10	2/			GON05
2006 08 05.98		S	8.5	TK	8.0	B		15	9	2			BOU
2006 08 07.01		S	8.3	TK	8.0	B		15	10	2			BOU
2006 08 07.02		S	8.5	TK	8.0	B		15	8	0/			DIJ
2006 08 12.47	x	S	9.1	TJ	10.0	B		20	8	2			NAG08
2006 08 13.84		M	10.9	TJ	41	L	4	89	3	2/			SHU
2006 08 13.84		S	8.8	TT	8.0	B		10	15	1/			HOR02
2006 08 14.51	x	S	9.8	TJ	15.0	B		25	6	2			MIT
2006 08 14.83	x	S	9.4	TT	10.0	B		25	6	2/			PAR03
2006 08 15.51	xa	M	8.9	HV	4.5	B		15	15	3			TSU02
2006 08 15.83		S	8.8	TT	8.0	B		10	14	2			HOR02
2006 08 15.83	x	S	9.1	TT	10.0	B		25	6	2/			PAR03
2006 08 15.84	x	S	8.9	TT	20.3	L	6	48	5	2/			PAR03
2006 08 15.86		M	8.3	TJ	30	T	10	75	6	3			ADA05
2006 08 15.86	x	S	9.3	TT	10.0	B		25	& 5	2/			FIL04
2006 08 16.84	x	S	8.5	TK	11.4	L	8	45	6	3			DOR02
2006 08 16.85	x	B	7.9	TT	6.0	B		15	6	4			POW01
2006 08 16.87		M	10.4	TJ	41	L	4	89	3	3			SHU
2006 08 16.90		M	9.1	TI	20	L	6	48	8.5	4			CER01
2006 08 16.90		S	8.9	TI	10.2	T		25	5	3			LAB02
2006 08 16.93		S	8.7	TJ	8.0	B		18	10	1			CHE03
2006 08 17.84	x	S	8.1	TT	6.0	B		15	9	2/			POW01
2006 08 17.84	x	S	8.5	TT	25	L	5	48	6	3/			JAR02
2006 08 17.84	x	S	8.7	TK	11.4	L	8	45	7	3			DOR02
2006 08 18.83		S	8.7	TT	8.0	B		10	11	2/			HOR02
2006 08 18.85		M	8.2	TI	5.0	B		10	14	3			CER01
2006 08 18.85		S	8.0	TJ	5.0	B		10					PIL01
2006 08 18.86		M	8.5	TI	20	L	6	80	8.5	2			CER01
2006 08 18.86		S	9.3	TK	44.0	L	5	63	4.8	3			HAS02
2006 08 18.88		M	8.7	TT	10	B	4	25	10	3			LEH
2006 08 18.88		S	8.3	TK	15.0	R	5	38	12	3			MEY
2006 08 18.89		S	8.0	TK	8.0	B		15	7	0/			DIJ
2006 08 18.89		S	8.4	TK	8.0	B		15	9	2/			BOU
2006 08 18.89	x	S	8.6:	TT	10.0	B		25	6	2/			PAR03
2006 08 18.90		S	9.2	VB	10	B		25	7	2			SHAO2
2006 08 18.91		M	8.7	TJ	30	T	10	75	5	3			ADA05
2006 08 18.91		S	8.3	TI	8.0	B		11	9	3			LAB02
2006 08 18.91		S	8.5	TK	6.3	B		9	15	2			KAM01
2006 08 18.94	x	S	9.8	TT	10.0	B		25	& 4	2			FIL04
2006 08 19.86		S	8.7	TK	6.3	B		9	15	1			KAM01
2006 08 19.87	x	M	8.7	TK	11.4	L	8	45	7	3			DOR02
2006 08 19.87		S	8.1	TI	8.0	B		11	10	4			LAB02
2006 08 19.88		M	8.7	TT	10	B	4	25	12	3			LEH

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DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 08 19.89		M	7.6	TI	10	B		25	20	2			HOR03
2006 08 19.91	x	S	8.4	TT	10.0	B		25	6	2/			PAR03
2006 08 19.91		S	8.9	TK	8.0	B		15	&13	0			SCH04
2006 08 19.92	x	S	8.5	TT	20.3	L	6	38	5	2/			PAR03
2006 08 20.02		M	7.9	S	7.0	B		10	14	3			MAR02
2006 08 20.81		M	9.7	TJ	41	L	4	89	3	3			SHU
2006 08 20.84		M	8.5	HD	11	B		20	7	2			NEV
2006 08 20.86		M	9.2	TI	20	L	6	36	7	4			CER01
2006 08 20.88		S	8.6	TT	8.0	B		10	14	2/			HOR02
2006 08 20.95		M	7.8	S	5.0	B		7	14	2/			MAR02
2006 08 21.03		S	8.2	TK	5.0	B		7	11	2/			GON05
2006 08 21.07		S	8.4	TK	20.3	T	10	36	8	3			GON05
2006 08 21.85	x	S	8.1	TT	5.0	B		7	5.0	2			POW01
2006 08 21.85	x	S	8.7	TT	25	L	5	48	5	2			JAR02
2006 08 21.93		S	8.4	TK	8.0	B		15	8	3			BOU
2006 08 21.93		S	8.4	TK	8.0	B		15	9.5	2			DIJ
2006 08 21.95		M	8.0	S	5.0	B		7	12	2/			MAR02
2006 08 22.55		S	9.1	TJ	40.0	L	4	36	8.5	2			YOS04
2006 08 22.83	x	B	9.5	TK	38	L	4	53	11.0	1/			BOH02
2006 08 22.85		S	8.7	TK	15.0	R	8	75	4	2			DIE02
2006 08 22.86	x	S	8.5	TK	11.4	L	8	45	6	3			DOR02
2006 08 22.88		S	9.0:	TK	8.0	B		15	& 9				SCH04
2006 08 22.89		S	8.3	TI	8.0	B		11	9	3			LAB02
2006 08 22.92		S	9.5	TJ	8.0	B		20	5	2			SHA02
2006 08 22.93		M	8.1	S	5.0	B		7	13	3			MAR02
2006 08 23.58	x	S	9.2	TK	10.0	B		20	9	2			YOS02
2006 08 23.83		M	9.1	TT	10	B	4	25	10	3			LEH
2006 08 23.85	x	S	8.3	TT	6.0	B		15	8	2			POW01
2006 08 23.86	x	S	9.0	TK	11.4	L	8	45	5	2/			DOR02
2006 08 24.55	xa	M	9.4	HV	25.0	L	6	47	8	4			TSU02
2006 08 24.57	x	S	8.9	TK	10.0	B		20	11	2/			YOS02
2006 08 24.63	x	B	9.9	TJ	30.4	L	5	47	3.5	1/			NAG04
2006 08 24.84	x	S	8.8	TJ	20	L	5	64	7	1			SWI
2006 08 24.85	x	B	9.5	TK	38	L	4	53	9.0	2/			BOH02
2006 08 24.86		S	8.6	TK	15.0	R	8	75	5	2			DIE02
2006 08 24.89	x	S	7.9	TT	10.0	B		25	6.5	3			PAR03
2006 08 24.89		S	8.8	TT	8.0	B		10	12	2/			HOR02
2006 08 24.90	x	S	8.1	TT	20.3	L	6	48	5	3			PAR03
2006 08 24.91	x	S	7.8	TT	20.3	L	6	38	6.5	3			PAR03
2006 08 25.03		M	8.1	S	5.0	B		7	14	3			MAR02
2006 08 25.83		S	8.6	TT	8.0	B		10	14	2			HOR02
2006 08 25.86		S	8.6	TK	15.0	R	8	75	6	2			DIE02
2006 08 25.92		S	8.0	TK	7.0	R	7	20	12	1/			GRA04
2006 08 25.93		S	8.4	TK	12.7	R	6	33	8.0	2			GIL01
2006 08 26.82	x	B	9.6	TK	38	L	4	53	9.0	3			BOH02
2006 08 26.84	x	S	8.8	TK	11.4	L	8	45	5	3			DOR02
2006 08 26.85		M	9.5	TT	10	B	4	25	10	3			LEH
2006 08 26.85		S	8.7	TT	8.0	B		10	11	2			HOR02
2006 08 26.88	x	S	8.8	TT	10.0	B		25	& 8	2			FIL04
2006 08 26.89		S	8.6	TK	12.7	R	6	33	7.0	2			GIL01
2006 08 26.90		S	8.5	TK	8.0	B		15	8	3			DIJ
2006 08 26.90		S	8.8	TI	8.0	B		11	10	3			LAB02
2006 08 26.91		S	8.4	TK	8.0	B		15	9.5	3			BOU
2006 08 26.95		M	9.2	TI	20	L	6	30	11.5	3			CER01
2006 08 27.83	x	S	9.0	TK	11.4	L	8	45	5	3			DOR02
2006 08 27.83	x	S	9.1	TT	10.0	B		25	& 6	2			FIL04
2006 08 27.87	x	S	8.9	TT	35	L	4	45	6.5	1/			POW01
2006 08 27.90	x	S	9.0	TT	20.3	L	6	38	7	3			PAR03
2006 08 27.92		S	8.4	TK	8.0	B		15	9	3			BOU
2006 08 27.92		S	8.6	TK	8.0	B		15	8	2/			DIJ
2006 08 27.93		S	8.4	TK	4.4	B		7	>10	2/			BUS01
2006 08 27.93		S	8.5	TK	5.6	B		10	& 9	2			BUS01
2006 08 27.94	x	S	9.2	TT	20.3	L	6	48	7	3			PAR03
2006 08 27.95		S	8.7	TK	20.3	T	10	36	9	3			GON05
2006 08 28.02		S	8.3	TK	5.0	B		7	12	3			GON05

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DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 08 28.82		M	10.0	TJ	41	L	4	89	3	2/			SHU
2006 08 28.88		S	9.3	TJ	10	B		25	8	2			SHAO2
2006 08 28.90		S	8.4	TK	5.0	B		7	12	3			GON05
2006 08 28.90		S	8.7	TK	15.0	R	8	75	6	2			DIE02
2006 08 29.05		S	8.8	TK	20.3	T	10	36	9	3			GON05
2006 08 29.83		S	8.7	TT	8.0	B		10	12	2			HOR02
2006 08 29.84		S	8.7	TK	15.0	R	8	75	6	2			DIE02
2006 08 29.85		M	9.6	TI	20	L	6	30	11	2			CER01
2006 08 29.86		M	8.9	TI	5.0	B		10	13	2			CER01
2006 08 29.86		M	9.7	TI	20	L	6	80	9.5	3			CER01
2006 08 29.91		S	9.6	TJ	30	L	6	70	6.1	1			SHAO2
2006 08 29.92		S	9.8	TJ	8.0	B		20	5	2			SHAO2
2006 08 31.86		S	8.7	TT	8.0	B		10	13	2			HOR02
2006 08 31.94	x	S	9.5	TK	11.4	L	8	45	5	2			DOR02
2006 08 31.97		S	8.2	TK	15.2	L	5	38	10	1			GRA04
2006 09 01.85		B	9.3	TJ	14.0	R	9	35	6	1			CHE03
2006 09 01.91		S	8.8	TK	15.0	R	8	75	6	2			DIE02
2006 09 02.86		M	8.8	HD	11	B		20	10	2			NEV
2006 09 02.87		B	9.5:	TJ	14.0	R	9	35		1			CHE03
2006 09 02.87	x	S	8.9	TT	35	L	4	45	4.6	1/			POW01
2006 09 02.88	x	S	9.8	TK	11.4	L	8	45	4	2/			DOR02
2006 09 02.91		S	8.8	TT	8.0	B		10	12	2			HOR02
2006 09 02.96		S	8.5	TK	4.0	B		8	12	2/			RIE
2006 09 03.94		M	10.1	TI	20	L	6	30	9.5	2			CER01
2006 09 04.05		S	8.6	TK	5.0	B		7	10	3			GON05
2006 09 05.81		M	9.9	TT	10	B	4	25	7	3			LEH
2006 09 08.79		M	9.9	TT	10	B	4	25	8	3			LEH
2006 09 09.81		M	9.8	TT	10	B	4	25	8	3			LEH
2006 09 09.85		S	8.7	TK	4.0	B		8	10	2/			RIE
2006 09 10.79		S	9.2	TT	8.0	B		10	9	1/			HOR02
2006 09 10.81		M	9.9	TT	10	B	4	25	8	3			LEH
2006 09 10.82		S	8.9	TK	15.0	R	8	75	5	2			DIE02
2006 09 10.94		S	9.1	AC	6.0	B		20	4	2			RES
2006 09 11.78	x	S	10.5	TK	11.4	L	8	45	& 4	2			DOR02
2006 09 11.79		M	10.0	TT	10	B	4	25	8	3			LEH
2006 09 11.79		S	9.1	TT	8.0	B		10	11	2			HOR02
2006 09 11.82		S	8.9	TK	15.0	R	5	38	6	0/			MEY
2006 09 11.92		S	9.2	AC	6.0	B		20	5	2			RES
2006 09 12.80		M	9.5	TI	20	L	6	80	7.5	1			CER01
2006 09 12.81		M	9.3	TI	20	L	6	30	9	1			CER01
2006 09 12.81		S	8.9	TK	15.0	R	5	38	6	2			MEY
2006 09 12.82		M	10.0	TT	10	B	4	25	7	3			LEH
2006 09 12.82		S	8.9	TK	15.6	L	5	24	5.0	2			DIJ
2006 09 12.82		S	9.0	TK	15.6	L	5	24	6	2/			BCU
2006 09 12.83		S	8.9	TK	15.0	R	8	75	5	1			DIE02
2006 09 12.86		M	8.5	TI	25	L	5	50	9.5	2/			HOR03
2006 09 12.90		S	9.0	AC	6.0	B		20	4	2			RES
2006 09 13.82		S	9.0	TK	15.6	L	5	24	6.5	3			BOU
2006 09 13.82		S	9.3	TT	8.0	B		10	10	2/			HOR02
2006 09 13.83		M	9.9	TT	10	B	4	25	8	3			LEH
2006 09 13.83		S	8.9	TK	15.0	R	5	38	7	2			MEY
2006 09 13.83		S	8.9	TK	15.6	L	5	24	5.5	2/			DIJ
2006 09 13.87		M	8.6	TI	25	L	5	50	9.5	3			HOR03
2006 09 13.90		S	9.0	AC	6.0	B		20	4	2			RES
2006 09 14.48	x	S	9.9	TK	10.0	B		20	6	2			YOS02
2006 09 14.80		M	9.4	TI	20	L	6	30	10	2			CER01
2006 09 14.85		M	8.6	TI	25	L	5	50	10	2/			HOR03
2006 09 14.85		M	10.0	TT	10	B	4	25	7	3			LEH
2006 09 14.88	x	S	10.0	TK	11.4	L	8	45	4	2			DOR02
2006 09 14.91		S	8.8	TK	10.0	B		25	7	3			GON05
2006 09 15.87	x	S	11.0	TT	10.0	B		25	4	2			PAR03
2006 09 15.88	x	S	10.2	TK	11.4	L	8	45	4	2			DOR02
2006 09 15.88	x	S	10.4	TT	20.3	L	6	48	4	2/			PAR03
2006 09 15.90	x	S	11.8	TT	30	L	6	105	& 1.5	2			FIL04
2006 09 16.81		M	9.1	HD	11	B		20	10	1			NEV

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DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 09 16.85	x	S	10.1	TT	35	L	4	45	5.2	1/			POW01
2006 09 16.87		S	8.9	AC	6.0	B		20	5	2			RES
2006 09 16.87	x	S	11.3	TT	20.3	L	6	48	5	2/			PAR03
2006 09 17.80		M	9.9	TI	20	L	6	30	7	2			CER01
2006 09 17.81		M	8.9	TI	5.0	B		10	9	2			CER01
2006 09 17.83		S	9.0	TI	10.2	T		25	8	3			LAB02
2006 09 17.84		S	9.9	HS	32.0	L	5	48	4.5	0			PILO1
2006 09 17.87		M	10.1	TT	10	B	4	25	7	3			LEH
2006 09 17.87		S	8.9	AC	6.0	B		20	6	2			RES
2006 09 17.96		M	9.4	HD	11	B		20	9	1			NEV
2006 09 18.86	x	S	10.2	TT	20.3	L	6	48	4	2			PAR03
2006 09 18.91	x	S	9.8	TT	20.3	L	6	57	4	2			PAR03
2006 09 19.82		S	9.2	TI	8.0	B		11	9	3			LAB02
2006 09 19.83		S	9.0	TK	15.0	R	8	75	4	1			DIE02
2006 09 19.85		M	9.0	HD	11	B		20	9	1			NEV
2006 09 19.90		S	8.9	TK	12.7	R	6	41	6.5	3			GIL01
2006 09 20.49	x	S	10.3	TK	25.4	L	4	46	4	2			YOS02
2006 09 20.79		M	10.1	TT	10	B	4	25	7	3			LEH
2006 09 20.82		S	9.1	TK	15.0	R	5	38	7	2			MEY
2006 09 20.84		S	9.3	TK	31.0	J	6	58	6.3	1/			DIJ
2006 09 20.84		S	9.4	TK	31.0	J	6	58	4.5	2/			BOU
2006 09 20.87		S	9.1	TK	8.0	B		15	6	1/			BOU
2006 09 20.88		M	9.7	TI	20	L	6	30	9	2			CER01
2006 09 20.88		S	9.0	TK	8.0	B		15	7	2/			DIJ
2006 09 20.89		M	9.6	TI	20	L	6	80	6	2			CER01
2006 09 20.93		S	9.0	TK	12.7	R	6	41	6.0	3			GIL01
2006 09 21.06	x	S	10.5	TK	11.4	L	8	45	4	2			DOR02
2006 09 21.78		M	10.2	TT	10	B	4	25	6	3/			LEH
2006 09 21.81		S	9.0	TK	15.0	R	5	38	7	2			MEY
2006 09 21.84		S	9.0	TK	15.0	R	8	75	5	1			DIE02
2006 09 21.84		S	9.5:	TK	30.5	T	10	56	& 7	1			COM
2006 09 21.85		S	9.2	TK	30.5	T	10	75	5.0	2			KAM01
2006 09 21.87		S	9.2	AC	6.0	B		20	3	2			RES
2006 09 22.09		M	10.0	TI	20	L	6	80	6	1			CER01
2006 09 22.13		S	9.2	TK	15.6	L	5	24	6.5	2			BOU
2006 09 22.14		S	9.3	TK	15.6	L	5	24	5.9	1/			DIJ
2006 09 22.85		S	9.9	HS	32.0	L	5	48	4.5	1			PILO1
2006 09 22.87		S	9.2	AC	6.0	B		20	3	2			RES
2006 09 22.91	x	S	11.7	TT	30	L	6	105	& 2	2/			FIL04
2006 09 22.97		M	9.2	HD	11	B		20	7	1			NEV
2006 09 23.07	x	S	9.6	TT	20.3	L	6	48	4	2			PAR03
2006 09 23.81	x	S	10.5	TT	20.3	L	6	48	4	2			PAR03
2006 09 23.87	x	S	10.0	TT	30	L	6	105	& 4	2			FIL04
2006 09 23.87	x	S	10.6	TT	25	L	4	75	4.1	1			POW01
2006 09 23.88		M	9.7	TI	20	L	6	80	7	1			CER01
2006 09 24.00		S	9.4	AC	6.0	B		20	6	2			RES
2006 09 24.27		S	10.4	TK	50	L	4	60	6.0	3			LIN04
2006 09 24.77		M	11.2	TI	10	B		25	8.5	2			HOR03
2006 09 24.80	x	S	9.6	TJ	20	L	5	64	5	1			SWI
2006 09 24.82		S	9.2	TK	15.0	R	5	38	5.5	1/			MEY
2006 09 24.85	x	S	9.8	TT	20.3	L	6	48	4	1/			PAR03
2006 09 24.85	x	S	10.5	TK	11.4	L	8	45	6	2			DOR02
2006 09 24.86		M	10.2	TT	10	B	4	25	6	3			LEH
2006 09 24.86		S	9.5	TT	35	L	5	68	7	2			HOR02
2006 09 25.07		M	9.7	TI	20	L	6	80	7	1			CER01
2006 09 25.13		S	9.4	AC	6.0	B		20	5.5	2			RES
2006 09 25.87	x	S	10.0:	TK	11.4	L	8	45	5	3			DOR02
2006 09 26.11		S	9.5	TK	10.0	B		25	5	2			GON05
2006 09 26.83		M	10.4	TT	42	L	5	66	5	3/			LEH
2006 09 26.83		M	10.7	TI	42	L	5	81	8.0	3			HOR03
2006 09 26.84		M	11.0	TI	20	L	6	80	5	1			CER01
2006 09 26.84		S	9.8	TI	10.2	T	5	20	7	2			LAB02
2006 09 26.85	x	S	10.3	TT	30	L	6	105	& 2	1/			FIL04
2006 09 27.48		S	10.5	TJ	40.0	L	4	75	3.0	2			YOS04
2006 09 28.79		M	10.2	TT	42	L	5	66	6	3			LEH

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DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 09 29.78		M	10.4	TT	42	L	5	66	6	3			LEH
2006 09 29.98	x	S	11.3	TT	30	L	6	105	& 2	1			FIL04
2006 09 30.92		S	9.6	TK	15.6	L	5	24	6	1/			BOU
2006 09 30.92		S	10.0	TK	15.6	L	5	24	5.5	0/			DIJ
2006 10 06.12		S	10.5	AC	41	L	6	72	4.5	2			RES
2006 10 08.76		M	10.8	TT	42	L	5	66	5	3			LEH
2006 10 09.43		S	11.4	TJ	40.0	L	4	75	2.3	1/			YOS04
2006 10 09.81		M	10.8	TT	42	L	5	66	5	3			LEH
2006 10 10.76		M	10.9	TI	20	L	6	80	3.5	2			CER01
2006 10 11.77		M	10.7	TT	42	L	5	66	5	3			LEH
2006 10 12.81		S	10.8	TK	12.7	R	6	41	5	2			GIL01
2006 10 12.82		S	11.8	TI	20	L	6	80	4	1			CER01
2006 10 12.87		S	10.8	TK	20.3	T	10	77	5	2			GON05
2006 10 14.76		M	10.7	TI	42	L	5	66	5	3			LEH
2006 10 14.82		S	11.3	TI	20	L	6	80	4	1			CER01
2006 10 14.88		S	10.9	TK	20.3	T	10	77	5	2			GON05
2006 10 15.87		S	11.0:	TK	30.5	T	10	115	& 3.5	0			KAM01
2006 10 16.76		M	10.7	TI	42	L	5	66	5	3			LEH
2006 10 16.82		S	10.9	TI	20	L	6	80	6	1			CER01
2006 10 16.86		S	11.0:	TK	30.5	T	10	115	& 3.5	0			KAM01
2006 10 16.90		S	11.2	TK	31.0	J	6	58	4	1/			BOU
2006 10 16.90		S	11.5	TK	31.0	J	6	58	2.5	0/			DIJ
2006 10 16.98		S	10.8	AC	41.0	L	6	72	4	1			RES
2006 10 17.87		S	10.8	AC	13.0	L	6	50	3.5	1			RES
2006 10 17.89	x	S	13.3:	TT	30	L	6	105	& 1	2			FIL04
2006 10 18.83		S	11.5	TK	30	L	5	60	5	0			NEV
2006 10 19.01		S	11.0	AC	41.0	L	6	72	3.5	0/			RES
2006 10 19.79		M	10.8	TT	42	L	5	66	4	3			LEH
2006 10 21.91		S	11.8	TI	23.5	T	10	67	3	2			LAB02
2006 10 22.92	x	S	12.0	TT	20.3	L	6	57	& 1	1			PAR03
2006 10 24.92		S	11.4	TA	31.0	J	6	58	3.5	0/			BOU
2006 10 24.92		S	11.6	TA	31.0	J	6	58	1.8	0			DIJ
2006 10 25.91		S	11.3	AC	41.0	L	6	72	2.5	0/			RES
2006 10 27.19		S	11.0	TK	20.3	T	10	77	4	1			GON05
2006 10 29.86		S	11.6	AC	41.0	L	6	72	2.0	0/			RES
2006 10 31.03		S	11.7	AC	41.0	L	6	72	3	0			RES
2006 10 31.40		S	12.2	TJ	40.0	L	4	144	1.2	1/			YOS04

Comet C/1999 S4 (LINEAR)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2000 07 05.96		B	8.4	TI	7.6	L	9	35	5		0.25	260	CER01

Comet C/2001 Q4 (NEAT)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2004 05 11.08	s	M	4.1	AA	3.5	B		7	9.5	5	0.4	115	MOR03
2004 05 12.05		M	3.8	AA	3.5	B		7	8.5	5	0.5	130	MOR03
2004 05 16.11		M	4.2	AA	3.5	B		7	6.5	6	0.9	105	MOR03
2004 05 17.12		M	4.3	AA	3.5	B		7	7	6	1.2	125	MOR03
2004 05 18.15		M	4.5	AA	3.5	B		7	6.5	6	0.7	100	MOR03
2004 05 20.15		M	4.8	AA	3.5	B		7	11	6	0.7	110	MOR03
2004 05 21.11		M	4.8	AA	3.5	B		7	8	6	0.5	115	MOR03
2004 05 22.12		M	5.0	AA	3.5	B		7	8.5	6	0.9	110	MOR03
2004 05 27.10		M	5.5	AA	3.5	B		7	5	6	0.2	85	MOR03
2004 05 29.14		M	5.6	AA	3.5	B		7	6.5	6			MOR03
2004 05 30.11		M	5.5	AA	3.5	B		7	7	6			MOR03
2004 06 06.10		S	6.0	AA	3.5	B		7	4	7			MOR03
2004 06 11.15		S	6.1	AA	3.5	B		7	4	6			MOR03
2004 06 13.11		S	6.5	AA	3.5	B		7	6	6			MOR03
2004 06 16.13		S	6.7	AC	3.5	B		7	3	6			MOR03
2004 06 20.21		S	7.1	AC	3.5	B		7	6	7			MOR03
2004 06 26.24	s	S	7.7	AC	3.5	B		7	4	5			MOR03
2004 06 27.13	s	S	7.9	AC	3.5	B		7	4				MOR03
2004 07 10.12		S	8.3	AC	6	R	15	36	4	4			MOR03

Comet C/2001 Q4 (NEAT) [cont.]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2004 07 11.12		S	8.4	AC	6	R	15	36	3.5	3			MOR03
2004 07 26.10		S	9.1	AC	6	R	15	36	3.5	3			MOR03
2004 08 04.10		S	9.1	AC	15	R	5	42	3.5	4			MOR03
2004 08 17.08		S	9.7	AC	15	R	5	42	3.5	4			MOR03
2004 08 23.07		S	9.8	AC	15	R	5	42	3	3			MOR03
2004 09 03.05		S	10.0	AC	15	R	5	42	3.5	4			MOR03
2004 09 10.09		S	9.8	AC	15	R	5	42	3	4			MOR03
2004 09 13.04		S	10.2	AC	15	R	5	42	3	3			MOR03
2004 09 20.03		S	10.5	AC	15	R	5	42	3	3			MOR03
2004 10 05.01		S	11.8	AC	44.5	L	4	167	1.5	3			MOR03
2004 10 11.06		S	11.1	AC	15	R	5	42	2.5	1			MOR03
2004 10 13.05		S	12.0	AC	44.5	L	4	80	1.3	3			MOR03
2004 11 09.07		S	12.9	AC	44.5	L	4	167	0.8	1			MOR03
2004 11 13.00		S	13.2	AC	44.5	L	4	167	0.7	2			MOR03

Comet C/2002 T7 (LINEAR)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2003 09 26.33		S	12.6	AC	44.5	L	4	167	0.4	6			MOR03
2003 10 07.40		S	12.5	AC	44.5	L	4	167	0.3	7			MOR03
2003 10 08.41		S	12.3	AC	44.5	L	4	167	0.4	7			MOR03
2003 10 31.15		S	11.9	AC	44.5	L	4	167	0.6	6			MOR03
2003 11 21.09		S	10.3	AC	15	R	5	62	1.0	6			MOR03
2003 11 27.11		S	10.3	AC	15	R	5	62	1.3	6			MOR03
2003 12 03.33		S	10.0	AC	15	R	5	62	1.5	6			MOR03
2003 12 13.96		S	9.2	AC	15	R	5	42	2	5			MOR03
2003 12 18.13		S	9.8	AC	15	R	5	62	1.7	6			MOR03
2003 12 18.97		S	9.5	AC	15	R	5	62	1.2	6	1.8m	80	MOR03
2004 01 14.12		S	9.2	AC	15	R	5	62	1.7	5	4 m	70	MOR03
2004 01 19.99		S	9.0	AC	15	R	5	42	3	5	0.13	60	MOR03
2004 01 23.97		S	9.1	AC	15	R	5	42	2.5	5	0.13	60	MOR03
2004 02 09.04	w	S	8.4	AC	15	R	5	42	3	5	0.15	70	MOR03
2004 02 17.00		S	8.4	AC	15	R	5	42	3	5	0.15	50	MOR03
2004 02 23.05	w	S	7.8	AC	6	R	15	36	4	4			MOR03
2004 02 29.02	w	S	7.7	AC	15	R	5	42	3.5	5			MOR03

Comet C/2003 K4 (LINEAR)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2004 03 28.37		S	12.9	AC	44.5	L	4	167	0.3	7			MOR03
2004 04 15.35		S	12.6	AC	44.5	L	4	167	0.4	7			MOR03
2004 04 24.32		S	12.0	AC	44.5	L	4	167	0.5	6			MOR03
2004 05 27.14		S	10.5	AC	15	R	5	62	1.1	4			MOR03
2004 06 08.22		S	9.6	AC	15	R	5	62	1.4	6			MOR03
2004 06 11.16		M	9.1	AC	15	R	5	42	2.4	6			MOR03
2004 06 16.12		M	8.6	AC	15	R	5	42	3.5	5			MOR03
2004 06 20.12		M	8.4	AC	15	R	5	42	2	6	5 m	125	MOR03
2004 06 26.24		S	8.0	AC	3.5	B		7	5	4			MOR03
2004 06 30.32		S	7.8	AC	3.5	B		7	4				MOR03
2004 07 04.12		S	7.6	AC	3.5	B		7	7				MOR03
2004 07 11.13		S	7.1	AC	3.5	B		7	7.5	4			MOR03
2004 07 20.11		S	7.4	AC	3.5	B		7	8				MOR03
2004 07 26.11		S	7.2	AC	3.5	B		7	8				MOR03
2004 08 04.10		S	7.0	AC	3.5	B		7	4.5	4			MOR03
2004 08 06.15		S	7.2	AC	3.5	B		7	5.5				MOR03
2004 08 10.08	s	S	7.1	AC	3.5	B		7	5.5				MOR03
2004 08 17.08	s	S	7.2	AA	3.5	B		7	4.5	4			MOR03
2004 08 24.06	s	S	7.4	AC	15	R	5	42	3.5	5			MOR03
2004 09 02.05		S	7.2	AA	15	R	5	42	2.5	4			MOR03
2004 11 09.45	w	S	7.5	AC	15	R	5	42	2.5	4			MOR03
2004 11 14.45	w	S	7.6	AC	15	R	5	42	3	4			MOR03
2005 02 11.01	w	S	10.9	AC	44.5	L	4	167	1.0	4			MOR03
2005 03 04.03	w	S	12.1	AC	44.5	L	4	167	0.8	3			MOR03

Comet C/2003 T3 (Tabur)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2004 06 20.31	s	S	11.6	AC	44.5	L	4	167	0.7	4			MOR03
2004 06 26.30	s	S	11.8	AC	44.5	L	4	167	0.8	3			MOR03

Comet C/2003 T4 (LINEAR)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2005 01 15.44		S	12.4	AC	44.5	L	4	167	0.6	3			MOR03
2005 02 18.45		S	9.9	AC	15	R	5	42	1.8	3			MOR03
2005 03 05.42		S	9.2	AC	15	R	5	42	2	4			MOR03
2005 03 09.43	w	S	9.1	AC	15	R	5	42	2	4			MOR03
2005 03 15.43	w	S	8.7	AC	15	R	5	42	2	4			MOR03
2005 03 16.42	w	S	9.0	AC	15	R	5	42	1.8	4			MOR03
2005 03 18.42		S	8.9	AC	15	R	5	42	3	4			MOR03

Comet C/2003 WT_42 (LINEAR)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 01 08.18	x	S	13.7	HS	20.3	L	6	100	& 0.3	7			PAR03
2006 02 23.83	x	S	13.9	HS	35	L	4	150	0.5	4			POW01
2006 03 21.80	x	S	14.0	HS	35	L	4	150	0.6	6			POW01
2006 03 23.78	x	S	13.5	HS	35	L	4	150	0.7	5			POW01

Comet C/2004 B1 (LINEAR)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 05 19.95	x	S	12.8	HS	20.3	L	6	57	1.5	2			PAR03
2006 05 28.92	x	S	12.4	TT	30.0	L	6	105	& 1	3			FILO4
2006 05 28.96	x	S	12.9	HS	20.3	L	6	57	& 0.8	3			PAR03
2006 08 24.94	x	B	11.6	TK	38	L	4	140	1.2	2			BOHO2
2006 08 24.94		S	[15.1	NP	45	L	5	100	1				MAR02
2006 08 26.86	x	B	11.4	TK	38	L	4	140	1.5	1/			BOHO2

Comet C/2004 F4 (Bradfield)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2004 04 28.37		M	5.6	AA	3.5	B		7			0.8	340	MOR03
2004 05 07.36	w	S	7.6	AC	15	R	5	42	2.5	5	0.18	300	MOR03
2004 05 17.33		S	9.1	AC	15	R	5	42	2	2			MOR03
2004 05 20.33		S	9.5	AC	15	R	5	42	3.5	2			MOR03

Comet C/2004 Q2 (Machholz)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2005 01 13.68		I	3.7	HD	0.0	E		1	15	5			EVS
2005 05 04.93		S	8.5	TK	8.0	B		15	12	2			HUR
2005 05 07.95		S	8.6	TK	8.0	B		15	12	3			HUR
2005 05 08.93		S	8.6	TK	8.0	B		15	10	2			HUR
2005 05 11.91		S	8.7	TK	8.0	B		15	8	2			HUR
2005 05 12.91		S	8.8	TK	8.0	B		15	10	1			HUR
2005 05 14.93		S	8.9	TK	8.0	B		15	4	2			HUR

Comet C/2005 E2 (McNaught)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2005 12 02.72		M	11.6	HS	20	L	6	48	1	3			CERO1
2006 09 13.11		S	12.3	AC	41.0	L	6	121	1.5	1/			RES
2006 09 22.11		S	12.9	AC	41.0	L	6	121	1.5	3			RES
2006 09 25.11		S	14.0	HS	20	L	6	133	0.9	5			CERO1
2006 09 27.78		S	[13.3	HS	40.0	L	4	257	! 0.4				YOS04
2006 10 31.11		S	13.7	AC	41.0	L	6	72	0.8	2/			RES
2006 10 31.78		S	14.2	HS	40.0	L	4	144	0.6	3			YOS04

Comet C/2005 P3 (SWAN)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2005 08 28.46	x	B	11.2	TJ	30.4	L	5	61	1.4	1/			NAGO4

Comet P/2005 R2 (Van Ness)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2005 10 07.85	x	S	13.5	HS	25	L	5	120	1.2	4			JAR02
2005 10 07.89	x	S	13.2	HS	25	L	5	120	1.3	4			POW01
2005 10 08.93	x	S	13.4	HS	25	L	5	120	0.5	5			POW01
2005 10 08.93	x	S	13.7	HS	25	L	5	120	1.1	3/			JAR02
2005 10 11.91	x	S	13.8	HS	25	L	5	120	0.7	3			POW01
2005 10 11.93	x	S	13.9	HS	25	L	5	120	0.9	3/			JAR02
2005 10 22.75	x	S	13.5:	HS	20.3	L	6	120	& 0.5	3			PAR03
2005 10 24.77	x	S	13.6	HS	20.3	L	6	100	0.5	3			PAR03
2005 10 29.81	x	S	13.8	HS	20.3	L	6	100	0.5	3			PAR03
2005 10 30.94	x	S	13.8:	HS	20.3	L	6	100	0.5	3			PAR03
2005 11 01.78	x	S	14.0:	HS	25	L	5	120	0.8	2			POW01
2005 12 01.80		M	13.7	HS	20	L	6	111	0.5	4			CER01

Comet P/2005 T4 (SWAN)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2005 10 30.71	x&	S	10.8:	TT	20.3	L	6	100	& 0.5	2			PAR03
2005 10 31.71	x&	S	10.8:	TT	20.3	L	6	120	& 0.5	3			PAR03
2005 11 01.70	x&	S	10.9:	TT	20.3	L	6	120	& 0.5	3			PAR03

Comet C/2005 YW (LINEAR)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 10 31.82		S	13.7	AU	40.0	L	4	144	0.5	3/			YOS04

Comet C/2006 A1 (Pojmanski)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 02 24.86	x	B	5.3	HV	10.0	B	5	26	2	6			NAGO4
2006 02 28.16	x	S	4.5:	TK	11.4	L	8	45	3	D6			DOR02
2006 02 28.17	x	M	6.3	TJ	20	L	5	64	& 2	5			SWI
2006 03 03.16	x	B	6.0	TK	11.4	L	8	45	3	6			DOR02
2006 03 03.16	x	B	6.1	TT	10.0	B		25	& 3	6			SCI
2006 03 03.17	x&	B	6.0:	TJ	6.0	B		20	3	S5			MAR12
2006 03 03.18	x&	B	6.1	TT	8.0	R	7	43	3	s5			GRO03
2006 03 04.83	x	B	5.3	HV	5.0	B		10	6.4	6/			NAGO4
2006 03 05.15	x	S	5.4:	TT	35	L	4	45	2.7	6			POW01
2006 03 05.16	x	B	5.3:	TT	7.0	B		26	3	6			JAR02
2006 03 06.15	x&	B	5.1	TT	10.0	B		25	5	6	&0.50	270	PAR03
2006 03 06.15	x&	B	5.7	S	5.0	B		10	5	6	&1	284	TUR01
2006 03 06.16	x&	S	5.5	TJ	10.0	B		25	2	S6			MAR12
2006 03 07.13	x	B	5.5	TI	7.0	B		26	4	S7			JAR02
2006 03 07.14	x&	S	5.5	TJ	10.0	B		25	4	S6			MAR12
2006 03 07.15	x	B	5.5	TK	11.4	L	8	45	4	5			DOR02
2006 03 07.15	x	B	5.8	TT	6.0	B		15	3.5	7			POW01
2006 03 07.15	x	B	6.5	TT	10.0	B		25	& 3	6			SCI
2006 03 07.15	x&	B	5.8	S	5.0	B		10	5	6	&0.8	283	TUR01
2006 03 07.41		B	5.6	AC	5.0	B		10	10	4	3	330	NOW
2006 03 08.16		S	5.8	AA	6.0	B		20	5	8	2.6	387	CSU
2006 03 08.38		B	5.8	AC	5.0	B		10	9	5	4	330	NOW
2006 03 09.11	x&	S	5.9	S	6.0	B		12	6	6	&0.60	293	SIK01
2006 03 09.14	x	B	5.5	TJ	7.0	B		15	5	5			SWI
2006 03 09.14	x	B	5.7	TK	11.4	L	8	45	3	6	&1	284	DOR02
2006 03 09.15	x	B	6.0	TJ	10.0	B		25	4	s5			MAR12
2006 03 09.15	x	B	6.0	TT	6.0	B		15	5	6			POW01
2006 03 09.15	x	B	6.2	TT	10.0	B		25	& 3	6			SCI
2006 03 09.16					6.0	B		20	5	8	2.4	278	CSU
2006 03 09.16		S	5.6	AA	3.0	B		8					CSU
2006 03 13.14	x	S	6.2	S	6.0	B		12	3	6			SIK01
2006 03 13.15	x	B	5.9:	TT	5.0	B		7	& 6	7			FIL04

Comet C/2006 A1 (Pojmanski) [cont.]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 03 13.15	x	S	6.0	TJ	10.0	B		25	3	s5			MAR12
2006 03 17.20	*	S	6.1	TI	9.0	B		20	8	s4	2		SCAO2
2006 03 21.11		S	6.8	AA	6.0	B		20	5	6			CSU
2006 03 22.08	x	B	6.5	TK	11.4	L	8	45	3	6	0.3	295	DOR02
2006 03 22.11	x	B	7.5	TT	6.0	B		15	3.1	6			POW01
2006 03 23.08	x	S	6.5:	TJ	10.0	B		25	2.5	5			MAR12
2006 03 23.11	x	B	7.1	TT	6.0	B		15	4.0	5			POW01
2006 03 24.07	x	B	7.2	TJ	6.0	B		20	4	6			KID01
2006 03 24.11		S	6.9	AA	6.0	B		20	4.5	6/			CSU
2006 03 24.11	x	S	7.6	S	6.0	B		12	4	4			SIK01
2006 03 24.12	x	B	7.2	TT	6.0	B		15	5.0	6			POW01
2006 03 24.13	x	B	7.7	TJ	10.0	B		25	2.5	5			MAR12
2006 03 24.14	x	M	7.0	TT	6.0	B		20	3.5	6			LEG
2006 03 25.02	x	B	7.2	TK	11.4	L	8	45	5	5	0.3	270	DOR02
2006 03 25.06	x	B	7.3	TT	10.0	B		25	4	6			PAR03
2006 03 25.06	x	S	7.9	S	6.0	B		12	4	5			SIK01
2006 03 25.06	x	S	7.9	S	6.0	B		12	4	4			SIK01
2006 03 25.07	x	B	7.5	TT	20.3	L	6	38	4	6			PAR03
2006 03 26.11		S	7.0	AA	6.0	B		20	5	5/			CSU
2006 03 29.37		B	7.1	AC	10.0	B		25	8	2			NOW
2006 03 30.02	x	B	7.7	TK	11.4	L	8	45	5	5	0.16	280	DOR02
2006 04 03.02	x	S	8.0	TJ	10.0	B		25	2	2			MAR12
2006 04 03.02	x	S	8.0	TJ	10.0	B		25	2	2			MAR12
2006 04 03.86	x	B	8.6	TK	11.4	L	8	45	3	3			DOR02
2006 04 04.06	x	B	8.8	TT	10.0	B		25	2.5	5			PAR03
2006 04 04.89	x	S	8.6	TK	11.4	L	8	45	4	3			DOR02
2006 04 15.81	x	S	9.5	TT	20.3	L	6	57	2.3	3			PAR03
2006 04 15.85	x	S	11.0	TT	35	L	4	75	2.3	2/			POW01
2006 04 15.90	x	M	9.5	TK	11.4	L	8	45	4	3			DOR02
2006 04 17.92	x	S	9.5:	TK	11.4	L	8	45	4	3			DOR02
2006 04 18.90	x	S	9.5	TT	30.0	L	6	60	& 2	2/			FIL04
2006 04 19.89	x	S	10.0	TT	30.0	L	6	60	& 1.5	2/			FIL04
2006 04 19.90	x	S	10.0	TK	11.4	L	8	45	4	3			DOR02
2006 04 19.90	x&	B	9.5	TT	30.0	L	6	105	& 2	2/			FIL04
2006 04 21.86	x	S	9.9	TT	20.3	L	6	57	2.0	3			PAR03
2006 04 23.83	x	S	10.7	TT	35	L	4	75	2.0	2			POW01
2006 04 23.97	x	S	10.8:	TT	20.3	L	6	57	1.9	3			PAR03
2006 04 25.02	x	S	10.4	TJ	18.5	L	5	106	1.5	2			KWI
2006 04 28.89	x	S	11.0	TK	11.4	L	8	45	1.5	2			DOR02
2006 04 28.96	x	S	11.7	TT	20.3	L	6	57	1.5	2			PAR03
2006 05 03.93	x	S	12.4	TT	30.0	L	6	105	& 0.5	4/			FIL04
2006 05 19.91	x	S	12.4	TT	20.3	L	6	57	1.0	2			PAR03
2006 05 28.92	x	S	12.5	TT	20.3	L	6	57	1.3	2			PAR03
2006 08 20.91		S	14.5	NP	32	L	5	125	1				MAR02
2006 08 24.97	x	S	12.8	TK	38	L	4	200	1.2	1			BOH02
2006 08 26.99	x	S	13.1	TK	38	L	4	200	1.8	1/			BOH02
2006 09 02.94	x	S	13.4	HS	35	L	4	150	1.0	1			POW01

Comet P/2006 HR_30 (Siding Spring)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 08 05.12		I	[14.7	HN	20.3	T	10	222					GON05
2006 08 22.65		I	15.5	UD	40.0	L	4	257		9			YOS04
2006 08 27.89	x	S	14.0	HS	35	L	4	150	0.8	7			POW01
2006 08 28.85	x	B	13.6	HS	38	L	4	330	0.5	S5/			BOH02
2006 09 02.89	x	S	13.6	HS	35	L	4	150	1.2	6			POW01
2006 09 13.91		I	14.5	AC	41.0	L	6	262		9			RES
2006 09 17.78		I	14.2	HS	42	L	4	81		9			LEH
2006 09 17.88		I	14.4	AC	41.0	L	6	262		9			RES
2006 09 20.86		I	14.3	HN	31.0	J	6	155		9			DIJ
2006 09 20.86		I	14.4	HN	31.0	J	6	155		9			BOU
2006 09 20.93		I	14.4	AC	41.0	L	6	262		9			RES
2006 09 20.96		I	13.8	HS	42	L	4	81		9			LEH
2006 09 21.81		I	13.8	HS	42	L	4	81		9			LEH
2006 09 21.91		I	14.4	AC	41.0	L	6	262		9			RES

Comet P/2006 HR_30 (Siding Spring) [cont.]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 09 22.86		I	14.2	AC	41.0	L	6	262		9			RES
2006 09 24.83	x	S	13.4:	HS	20.3	L	6	120	0.2	7			PAR03
2006 09 24.89		M	13.9	HS	42	L	5	81	0.3	9			HOR03
2006 09 24.90		I	13.8	HS	42	L	4	81		9			LEH
2006 09 25.93		I	14.2	AC	41.0	L	6	262		9			RES
2006 09 26.92		I	13.7	HS	42	L	4	81		9			LEH
2006 09 27.63		I	14.9	UD	40.0	L	4	257		9			YOS04
2006 09 28.90		I	13.6	HS	42	L	4	81		9			LEH
2006 09 29.96		I	13.5:	HS	42	L	4	81		9			LEH
2006 10 16.85		I	13.9	HS	42	L	4	81		9			LEH
2006 10 16.89		I	13.6	HN	31.0	J	6	155		9			DIJ
2006 10 16.89		I	14.2	HN	31.0	J	6	155		9			BOU
2006 10 16.96		S	14.3	AC	41.0	L	6	121		9			RES
2006 10 24.92		I	14.3	HN	31.0	J	6	155		9			BOU
2006 10 24.93		I	14.3	HN	31.0	J	6	155		9			DIJ
2006 10 25.81		I	14.2	AC	41.0	L	6	121		9			RES
2006 10 29.85		I	14.2	AC	41.0	L	6	121		9			RES
2006 10 31.42		I	14.6	UD	40.0	L	4	257		9			YOS04

Comet C/2006 L1 (Garradd)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 10 17.19		S	11.0:	AU	25.4	J	6	88		3			BOU
2006 10 17.19		S	11.4:	AU	25.4	J	6	88		3			DIJ
2006 10 19.13		S	11.1	TI	41.0	L	6	72	1.5	3			RES
2006 10 23.82	x	S	10.5	TK	25.4	L	4	46	4.1	3			YOS02
2006 10 25.18		S	11.0	AU	25.4	J	6	72	2.0	3/			BOU
2006 10 25.19		S	10.7	AU	25.4	J	6	72	1.3	3			DIJ
2006 10 27.13		S	10.5	TK	15.0	R	5	28	3.5	2/			MEY
2006 10 27.20		S	10.3	TK	20.3	T	10	77	4	3			GON05
2006 10 27.21		S	9.8	TK	10.0	B		25	4	2/			GON05
2006 10 29.70		S	11.2	GA	25.4	L	4	71	3	2			SEA
2006 10 29.79	x	B	10.8	TJ	30.4	L	5	61	2.1	1			NAG04
2006 10 31.12		S	10.4	AC	41.0	L	6	72	2.2	5			RES
2006 10 31.77		S	9.8	TJ	40.0	L	4	36	5	3			YOS04

Comet C/2006 L2 (McNaught)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 09 27.43		S	[11.5	TJ	40.0	L	4	144	! 1.3				YOS04
2006 10 09.40		S	[11.3	TJ	40.0	L	4	144	! 1.0				YOS04
2006 10 14.82		S	11.5	TK	20.3	T	10	100	1.5	3			GON05

Comet C/2006 M4 (SWAN)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 09 19.15		M	7.0	TK	15.6	L	5	29	2.5	7			BOU
2006 09 19.19		M	7.1	TK	10.0	B		25	4	7			GON05
2006 09 20.19		B	7.3	TI	10.2	T	5	20	3	6			LAB02
2006 09 20.82	x\$	M	6.9	TK	10.0	B		20	5	5			YOS02
2006 09 21.14		B	7.1	TI	5.0	B		10	3	7			CER01
2006 09 21.15		M	6.9	TK	15.6	L	5	29	3.7	8			DIJ
2006 09 21.15		M	6.9	TK	15.6	L	5	29	3.5	7/			BOU
2006 09 21.15		S	7.0	TK	15.0	R	15	56	4	7			DIE02
2006 09 22.13		M	6.9	TI	20	L	6	30	3	7	0.5	340	CER01
2006 09 22.14		M	6.9	TI	20	L	6	30	3	7			NED
2006 09 22.15		M	6.8	TK	15.6	L	5	29	4.0	7			DIJ
2006 09 22.15		M	6.9	TK	15.6	L	5	29	4	7/			BOU
2006 09 22.15		S	7.0	TK	5.0	B		20	5	7			DIE02
2006 09 23.08		M	7.1	HD	11	B		20	5	6			NEV
2006 09 23.75		S	7.0:	TJ	28.0	C	10	50	5	5			CHE03
2006 09 24.13		B	6.7	TI	0.8	E		1	4	9			CER01
2006 09 24.13		B	6.8	TI	5.0	B		10	4	7			CER01
2006 09 24.14		M	6.9	TI	20	L	6	80	4.5	7	0.50	332	CER01
2006 09 25.12		M	6.5	TI	5.0	B		10	4	8	1.20	345	CER01

Comet C/2006 M4 (SWAN) [cont.]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 09 25.12		M	6.7	TI	20	L	6	80	5	7	0.55	338	CER01
2006 09 25.14		M	7.1	TI	5.0	B		10	4		0.80	345	NED
2006 09 26.10		B	6.5	TJ	5.0	B		7	5	6			CHE03
2006 09 26.19		M	6.5	TK	10.0	B		25	5	7	1.2	345	GON05
2006 09 26.20		M	6.4	TK	5.0	B		7	5	7	0.5	345	GON05
2006 09 26.74		B	6.1	TJ	5.0	B		7	5	6			CHE03
2006 09 26.83	x\$	M	6.0	TK	10.0	B		20	5	6/			YOS02
2006 09 27.11		B	5.9	TJ	5.0	B		7	5	6			CHE03
2006 09 27.19		B	6.3	TI	10.2	T	5	20	4	7	60 m		LAB02
2006 09 27.80	x\$	M	6.3	TJ	10.0	B		20	4	7	0.5	330	NAG08
2006 09 27.80	a	B	6.3	TJ	5.0	R		10	8	7/			YOS04
2006 09 27.81	x\$	M	6.5	TJ	3.5	B		7	5	8			NAG08
2006 09 27.81	a	M	6.4	TJ	40.0	L	4	36	6	7/			YOS04
2006 09 30.76		S	5.7:	TI	5.0	B		10	8	7			CER01
2006 09 30.78		M	6.1	TK	8.0	B		15	5	7	0.8	345	BOU
2006 10 01.15		M	6.3	TK	5.0	B		7	15	8/			DIJ
2006 10 01.15		M	6.4	TK	6.0	B		15	10	8/	0.9	358	DIJ
2006 10 01.20		M	5.7	TK	5.0	B		7	6	7	0.8	350	GON05
2006 10 02.42	a	B	6.3	HV	5.0	B		10	5	8			CRE01
2006 10 02.83	x\$	M	6.2	TK	3.5	B		7	7	7			YOS02
2006 10 03.79		M	6.0	TK	6.0	B		15	3	8/			DIJ
2006 10 03.83	xa	M	6.2	TK	3.5	B		7	7	6			YOS02
2006 10 05.15		M	5.6	TK	6.0	B		15	5.5	8	1.3	355	DIJ
2006 10 05.19		B	5.4	TI	8.0	B		11	5	7	70 m		LAB02
2006 10 05.74		M	5.5	TT	8.0	B		10	8	7			HOR02
2006 10 05.79		M	5.4	TK	5.0	B		7	8	6/			GRA04
2006 10 05.79		S	5.5	AC	6.0	B		20	6.5	7			RES
2006 10 06.14		M	5.7	TI	5.0	B		10	6	7	1.3	355	CER01
2006 10 06.14		M	5.7	TI	20	L	6	80	5	7	0.35	350	CER01
2006 10 06.14		S	5.4	AC	6.0	B		20	7.5	7/	0.5	355	RES
2006 10 06.17		B	6.1	TK	5.0	B		10	3.0	4	1.0	5	HAS02
2006 10 06.21		M	5.5	S	3.0	B		6	8	6			MAR02
2006 10 06.73		M	5.6	TT	5.0	B		10	9	6/			HOR02
2006 10 07.40	x\$	M	6.1	TJ	10.0	B		20	5	7			NAG08
2006 10 07.76		M	5.8	TK	5.0	B		10	& 5	5			MEY
2006 10 07.76		S	5.7	TK	5.0	B		20	7	7			DIE02
2006 10 07.77		B	5.7	TK	8.0	B		15	7/	7/			BOU
2006 10 07.78		B	5.7	TI	8.0	B		11	5	6	50 m		LAB02
2006 10 07.85		M	5.6	TK	5.0	B		7	7	6/			GRA04
2006 10 07.98		B	6.8	AC	5.0	B		10	11	4			NOW
2006 10 08.40	xw	M	6.1	HV	15.0	B		25	3	7			MIT
2006 10 08.72		M	6.4	TI	3.0	B		8	11	6/			HOR03
2006 10 08.73		M	6.3	TT	8.0	B		10	10	7/			LEH
2006 10 08.74		M	5.9	TT	8.0	B		10	8	7			HOR02
2006 10 08.76		M	5.6	TI	5.0	B		10	7	8			CER01
2006 10 08.76		M	5.7	TK	5.0	B		10	5	6			MEY
2006 10 08.83		B	5.8	TK	8.0	B		11	3	7			WAR01
2006 10 08.98		B	6.7	AC	3.5	B		7	10	4			NOW
2006 10 09.38	xa	M	6.0	TJ	10.0	B		20	5	7			NAG08
2006 10 09.73		M	6.3	TI	8.0	B		20	12	7/			HOR03
2006 10 09.74		M	6.3	TT	8.0	B		10	10	7/			LEH
2006 10 09.75	s	M	5.8	TK	5.0	B		10	5.5	5			MEY
2006 10 09.76		B	6.1	TK	5.0	B		10	3.0	4	1.2	0	HAS02
2006 10 09.82		B	6.1	TJ	7.0	R		10	8	8			YOS04
2006 10 09.82		B	6.3	TJ	40.0	L	4	36	5.5	7/			YOS04
2006 10 10.13		M	5.8	TT	5.0	B		10	10	6			HOR02
2006 10 10.73	a	S	5.0:	S	9	R	10	36	8	3	&0.3		SVE01
2006 10 10.74		M	5.7	TT	8.0	B		10	9	6/			HOR02
2006 10 10.74		M	6.4	TT	8.0	B		10	10	7/			LEH
2006 10 10.74	&	S	6.3	TJ	5.0	B		10	4	5			PILO1
2006 10 10.76		B	6.1	TK	10.0	R	5	20	4.6	4			HAS02
2006 10 10.76		M	5.6	TI	5.0	B		10	7	8	0.80	10	CER01
2006 10 10.76		M	5.6	TK	5.0	B		10	5	6			MEY
2006 10 10.76		M	5.8	TI	20	L	6	80	5	7	0.35	30	CER01
2006 10 10.77		B	6.1:	SC	5.0	B		10	& 3	6			KAN05

Comet C/2006 M4 (SWAN) [cont.]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 10 10.80		S	5.8	TK	5.0	B		20		7			DIE02
2006 10 11.74		M	6.4	TT	8.0	B		10	10	6/			LEH
2006 10 11.74		S	6.4	AA	6.0	B		20	4	8	0.17	357	CSU
2006 10 11.75		M	5.6	TI	5.0	B		10	7	6			CER01
2006 10 11.75		M	5.8	TT	8.0	B		10	8	6/	0.4		HOR02
2006 10 11.76		M	5.7	TK	8.0	B		15	6	7			BOU
2006 10 11.76		M	6.1	TI	8.0	B		20	11	7/			HOR03
2006 10 11.76		S	5.8	TK	5.0	B		20	5	7			DIE02
2006 10 11.77		B	6.0	TI	8.0	B		11	4	7	10	m	LAB02
2006 10 11.77		M	5.8	TK	6.0	B		15	4	7			DIJ
2006 10 12.74		S	6.4	AA	6.0	B		20	4	8			CSU
2006 10 12.76		M	5.8	TI	5.0	B		10	7	6			CER01
2006 10 12.78		S	5.9	TK	5.0	B		10	9	7			GIL01
2006 10 12.82		M	5.7	S	3.0	B		6	8	6/			MAR02
2006 10 12.83		M	5.9	TK	5.0	B		7	7	7			GON05
2006 10 12.84		M	6.0	TK	10.0	B		25	7	7	0.9	5	GON05
2006 10 13.19		S	5.8	TK	5.0	B		20	5	7			DIE02
2006 10 13.78		S	6.1	TK	5.0	B		10	16	4			HUR
2006 10 13.79		M	5.9	S	3.0	B		6	7	6			MAR02
2006 10 13.83		S	6.2	TK	8.0	B		15	16	5			HUR
2006 10 14.04		B	6.8	AC	3.5	B		7	11	3	1	45	NOW
2006 10 14.73		S	6.2	AA	6.0	B		20	5	7/			CSU
2006 10 14.74		M	6.5	TT	8.0	B		10	10	6			LEH
2006 10 14.76		M	5.8	TI	5.0	B		10	6	6			CER01
2006 10 14.77		S	5.8	TK	5.0	B		20	6	7			DIE02
2006 10 14.81		B	6.2	TK	8.0	B		11					WAR01
2006 10 14.81		I	5.8	TK	0.0	E		1	8	8			GON05
2006 10 14.81		I	6.1	TK	0.7	E		1					GRA04
2006 10 14.81		M	5.9	S	3.0	B		6	9	6			MAR02
2006 10 14.81		M	6.2	TK	5.0	B		7	7	6			GRA04
2006 10 15.00		a B	6.1	HD	5.0	B		7	& 5	6			CHE
2006 10 15.39		xa M	6.2	TJ	8.0	B		11	5	7/			NAG08
2006 10 15.72		S	6.2	AA	6.0	B		20	5	7/	0.67	357	CSU
2006 10 15.74		M	6.0	TI	3.0	B		8	13	7/			HOR03
2006 10 15.76		M	5.9	TK	5.0	B		10	7	6/			MEY
2006 10 15.77		S	5.7	HV	6.3	B		9	10	7/			KAM01
2006 10 16.19		S	5.9	TK	5.0	B		20	6	7			DIE02
2006 10 16.42		x B	6.3	HV	7.0	R	6	17	3.3	6			NAG04
2006 10 16.72					6.0	B		20	5	7/	0.92	5	CSU
2006 10 16.72		S	6.1	AA	0.0	E		1					CSU
2006 10 16.74		M	6.4	TT	8.0	B		10	10	6			LEH
2006 10 16.75					32.0	L	5	72	5	5	0.5	30	PIL01
2006 10 16.75		M	5.9	TT	8.0	B		10	9	6/			HOR02
2006 10 16.75		S	6.3	TJ	2.4	B		8	5	5			PIL01
2006 10 16.76		B	6.2	TK	5.0	B		10	5.2	4	0.5	20	HAS02
2006 10 16.76		M	6.0	TK	5.0	B		10	8	6			MEY
2006 10 16.77		S	6.1	HV	6.3	B		9	10	7	0.4	20	KAM01
2006 10 16.78		M	5.7	TI	5.0	B		10	7	7			CER01
2006 10 16.78		S	6.0	TK	8.0	B		15	&10	7/			COM
2006 10 16.79		B	5.6	TI	0.8	E		1	8	9			CER01
2006 10 16.79		B	6.0	TK	5.0	B		7		8			BOU
2006 10 16.79		M	5.7	TI	20	L	6	80		6	0.3	0	CER01
2006 10 16.79		M	5.9	TK	8.0	B		15	7	7	0.5	13	BOU
2006 10 16.79		M	6.1	TK	6.0	B		15	5	6/			DIJ
2006 10 16.81		S	5.8	TK	5.0	B		20	6	7			DIE02
2006 10 17.14		S	5.6	AC	6.0	B		20	8	6	0.7	0	RES
2006 10 17.17		M	5.9	TK	5.0	B		7	4	8			DIJ
2006 10 17.72					6.0	B		20	5	7	1.5	5	CSU
2006 10 17.72		S	6.1	AA	0.0	E		1					CSU
2006 10 17.74		B	6.1	TJ	5.0	B		10	5.5	6	0.2	20	MOE
2006 10 17.74		M	5.8	TI	8.0	B		20	13	7/			HOR03
2006 10 17.75		B	6.2	HK	5.0	B		10	8	S6			MAJ02
2006 10 17.75		M	5.9	TK	5.0	B		10	8	5/			MEY
2006 10 17.78		M	6.0	TT	8.0	B		10	9	6/			HOR02
2006 10 17.86		S	5.6	AC	6.0	B		20	9	6/	0.5	355	RES

Comet C/2006 M4 (SWAN) [cont.]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 10 18.72					6.0	B		20	5	7	1.5	0	CSU
2006 10 18.72		S	6.1	AA	0.0	E		1					CSU
2006 10 18.73		M	5.8	TI	8.0	B		20	13	7/			HOR03
2006 10 18.76		M	6.0	TT	8.0	B		10	9	6/			HOR02
2006 10 18.77		M	6.4	TT	8.0	B		10	8	6/			LEH
2006 10 18.80		M	5.7	HD	11	B		20	7	6			NEV
2006 10 19.14		S	5.9	AC	6.0	B		20	5	6			RES
2006 10 19.72					6.0	B		20	6	7	1.5	359	CSU
2006 10 19.72		S	6.1	AA	0.0	E		1					CSU
2006 10 19.73		M	6.4	TT	8.0	B		10	8	6			LEH
2006 10 19.75		M	5.7	TI	5.0	B		7	12	7			HOR03
2006 10 19.75		M	5.9	TK	6.0	B		15	5	7			DIJ
2006 10 20.74		B	6.0	TJ	5.0	B		10	6.5	6	0.3	30	MOE
2006 10 20.75		S	5.6	TK	5.0	B		20	6	7		10	DIE02
2006 10 20.79		M	5.9	TK	5.0	B		7	10	7			GON05
2006 10 20.80		M	6.0	TK	10.0	B		25	8	7	1.0	20	GON05
2006 10 21.75		S	6.0	TK	5.0	B		10	15	5			HUR
2006 10 21.75		S	6.0	TK	8.0	B		15	10	6			HUR
2006 10 21.78		B	5.8	TI	8.0	B		11	6	7	30	m	LAB02
2006 10 22.02		B	6.2	HV	0.0	E		1		9			CRE01
2006 10 22.23		S	6.2	TK	4.2	B		10	5.0	7			LINO4
2006 10 22.75		M	5.9	TK	5.0	B		10	9	5/			MEY
2006 10 23.75		M	5.7	TK	5.0	B		10	& 7	8/			COM
2006 10 23.75		M	5.9	TK	8.0	B		15	6	7	0.4	25	BOU
2006 10 23.79		M	5.7	TK	5.0	B		7	4	8			DIJ
2006 10 23.79		M	5.8	TK	6.0	B		15	6	7			DIJ
2006 10 24.74		I	4.4	TK	0.0	E		1		9			DIJ
2006 10 24.74		M	4.7	TK	6.0	B		15	12	8	1.9	30	DIJ
2006 10 24.77		B	4.4	TK	5.0	B		7	8	8			BOU
2006 10 24.77		B	4.8:	SC	5.0	B		10	&24	6			KAN05
2006 10 24.77		B	5.0	TI	8.0	B		11	6	8	10	m	LAB02
2006 10 24.77		S	4.0	TK	5.0	B		20	7	7		20	DIE02
2006 10 24.77		S	4.6	TK	5.0	B		10	12	8			HUR
2006 10 24.79		M	4.7	TT	8.0	B		10	10	6/	2	30	LEH
2006 10 24.80		B	4.3	TT	0.8	E		1	15	8			LEH
2006 10 24.81		M	4.5	TK	5.0	B		7	8	8	1.8	25	GON05
2006 10 24.82		I	4.3	TK	0.0	E		1	10	8			GON05
2006 10 24.83		M	4.5	TT	8.0	B		10	13	6	1.5	20	HOR02
2006 10 24.83		S	4.3	TK	8.0	B		15			0.5	35	HUR
2006 10 24.84		M	4.3	TK	5.0	B		7	9	8	1.5	35	BOU
2006 10 24.84		S	4.5	TK	0.7	E		1	6	8			DAH
2006 10 25.08		M	4.4	TK	5.0	B		7	9	6/			GRA04
2006 10 25.39		x	I	4.6	TT	0.0	E	1					OOT
2006 10 25.40		x	M	4.6	TJ	3.5	B	7	10	7			NAG08
2006 10 25.42		x	M	4.5	HV	3.5	B	10	11	6			NAK01
2006 10 25.71								8	18	7/	3.7	25	HOR03
2006 10 25.72					6.0	B		20	10	S5	3	36	CSU
2006 10 25.72					4.2	TK		1		8/			MEY
2006 10 25.72					S	4.4	TK	1	8	8			DAH
2006 10 25.72					S	4.9	AA	1					CSU
2006 10 25.72		G			4.3	TI	0.8	1	12	8	1.4	25	HOR03
2006 10 25.72		G	M		4.3	TI	0.8	1	12	8	1.4	25	HOR03
2006 10 25.73					B	4.3	TJ	10	8.0	7	0.6	40	MOE
2006 10 25.73					M	4.3	TK	10	13	7	1.5	30	MEY
2006 10 25.73					M	4.4	TT	10	17	6	2.9	25	HOR02
2006 10 25.74					B	4.5	TK	7	10	7	1.0	35	GRA04
2006 10 25.74					I	4.4	TK	1					GRA04
2006 10 25.74					M	4.5	TK	7	10	6/	1.0		GRA04
2006 10 25.74					G	4.2	TT	1	25	7			HOR02
2006 10 25.74					G	M	4.2	TT	1	25	7		HOR02
2006 10 25.75					M	4.7	TT	10	10	6	2	30	LEH
2006 10 25.76								10	9	6	1.9	30	PIL01
2006 10 25.76					B	4.3	TT	1	15	8			LEH
2006 10 25.76					S	4.3	TJ	1					PIL01
2006 10 25.77					B	4.6:	SC	10	&24	5/			KAN05

Comet C/2006 M4 (SWAN) [cont.]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 10 25.78		B	4.6	HK	5.0	B		10	13	S6			MAJ02
2006 10 25.79		S	4.0	AC	0.7	E		1	&10	7			RES
2006 10 25.79		S	4.2	AC	6.0	B		20	11	7	2.5	35	RES
2006 10 25.80		I	4.2	TK	0.0	E		1	10	8			GON05
2006 10 25.81		M	4.3	TK	5.0	B		7	10	8	3.0	30	GON05
2006 10 25.86		S	4.8	TJ	5.0	B		7	15	5			GIA01
2006 10 25.90		B	4.6	TK	8.0	B		11	6	6	0.3	55	WAR01
2006 10 25.99		B	4.5	HD	5.0	B		7	& 5	7			CHE
2006 10 26.02		B	4.3	HV	0.0	E		1	15	8	1.0	35	CRE01
2006 10 26.02		B	4.4	HV	5.0	B		10	12	8	3.0	35	CRE01
2006 10 26.71					6.0	B		20	12	S5	3.2	33	CSU
2006 10 26.71		S	4.9	AA	0.0	E		1					CSU
2006 10 26.72		B	4.9:	SC	5.0	B		10	&12	6			KAN05
2006 10 26.73		B	4.4	TK	0.8	E		1		8			MEY
2006 10 26.73		M	4.4	TI	3.0	B		8	25	7/	4.1	29	HOR03
2006 10 26.73		M	4.5	TK	5.0	B		10	13	7	3	35	MEY
2006 10 26.73		S	4.0	AA	8.0	B		20	15	4			FOG
2006 10 26.74		G	4.1	TI	0.8	E		1	15	8	2.5	29	HOR03
2006 10 26.74		G	4.1	TI	0.8	E		1	15	8	2.5	29	HOR03
2006 10 26.75		B	5.1:	HK	5.0	B		10	& 8	S5			MAJ02
2006 10 26.75		M	4.6	TT	5.0	B		10	15	5/	2.1	25	HOR02
2006 10 26.76		S	4.5	TK	5.0	B		10	10	6	1.1	15	HUR
2006 10 26.76		S	4.8	TK	5.0	B		20	7	7			DIE02
2006 10 26.76		G	4.4	TT	0.8	E		1	25	6/			HOR02
2006 10 26.76		G	4.4	TT	0.8	E		1	25	6/			HOR02
2006 10 26.77		B	4.2	TT	0.8	E		1	15	8			LEH
2006 10 26.77		M	4.7	TT	5.0	B		10	10	6	3	30	LEH
2006 10 26.78		S	4.6	HV	6.3	B		9	13	7	1.0	35	KAM01
2006 10 26.80		M	5.2	TK	5.0	B		7	8	8	4.5	35	GON05
2006 10 26.81		I	4.9	TK	0.0	E		1	8	8	4.0	35	GON05
2006 10 26.94		M	4.6	TK	6.0	B		15	6	7/	1.2	45	DIJ
2006 10 27.41		x	M	4.4	HV	3.5	B	10	13	5			NAK01
2006 10 27.72					6.0	B		20	8	S5	4	34	CSU
2006 10 27.72		S	5.0	AA	0.0	E		1					CSU
2006 10 27.73		M	4.8	TT	3.0	B		8	16	6	1.8	35	HOR02
2006 10 27.73		S	4.5:	TJ	0.0	E		1					CHE03
2006 10 27.73		G	4.7	TT	0.8	E		1	20	7/			HOR02
2006 10 27.73		G	4.7	TT	0.8	E		1	20	7/			HOR02
2006 10 27.77		M	4.5	TI	0.8	E		1	12	8/	0.9	34	HOR03
2006 10 27.78		M	4.9	TI	3.0	B		8	17	7	2.1	34	HOR03
2006 10 27.83		I	4.8	TK	0.0	E		1	8	8	5.0	35	GON05
2006 10 27.84		M	5.2	TK	5.0	B		7	8	8	5.5	35	GON05
2006 10 27.94		M	4.9	TK	6.0	B		15	6	7	2.6	38	DIJ
2006 10 28.38		x	M	5.0	TJ	3.5	B	7	9	7			NAG08
2006 10 28.76		B	4.5	TK	5.0	B		10	10	6			GON06
2006 10 28.82		S	5.8	TJ	5.0	B		7	10	6			GIA01
2006 10 29.41		x	M	5.2	TK	3.5	B	7	12	6			YOS02
2006 10 29.73		S	5.3	TK	5.0	B		20	7	7			DIE02
2006 10 29.74		M	5.3	TT	5.0	B		10	14	6/	1.3	40	HOR02
2006 10 29.75		G	5.1	TT	0.8	E		1	20	7/			HOR02
2006 10 29.75		G	5.1	TT	0.8	E		1	20	7/			HOR02
2006 10 29.77		M	5.1	TK	6.0	B		15	6	6/	1.0	47	DIJ
2006 10 29.80		S	5.3	AC	6.0	B		20	9	7	3.5	35	RES
2006 10 29.82		M	5.2	TK	5.0	B		7	8	7	0.8	42	BOU
2006 10 29.83		&	B	5.4	HK	5.0	B	10	& 4	S5			MAJ02
2006 10 29.98		B	5.7	HD	6.3	B		9	& 5	7			CHE
2006 10 30.73					6.0	B		20	7	S5	1.5	45	CSU
2006 10 30.73		S	5.6	AA	0.0	E		1					CSU
2006 10 30.75		B	5.5	TK	5.0	B		10	11	6			MEY
2006 10 30.75		M	5.5	TT	5.0	B		10	15	6	0.9	40	HOR02
2006 10 30.75		S	5.9	HV	6.3	B		9	12	7	0.8	35	KAM01
2006 10 30.75		G	5.4	TT	0.8	E		1	20	7/			HOR02
2006 10 30.75		G	5.4	TT	0.8	E		1	20	7/			HOR02
2006 10 30.99		B	5.9	HD	5.0	B		7		7			CHE
2006 10 31.39		S	5.3	YG	2.4	B		10	13	7			YOS04

Comet C/2006 M4 (SWAN) [cont.]

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 10 31.39		S	5.3	YG	7.0	R		10	14	7			YOS04
2006 10 31.40	x	M	5.6	TJ	8.0	B		11	7	6			NAG08
2006 10 31.73		B	5.1	TJ	5.0	B		10	9.0	6	0.8	40	MOE
2006 10 31.74		S	6.3	AA	6.0	B		20	7	s5	0.67	39	CSU
2006 10 31.75		B	5.2	TT	0.8	E		1	15	8			LEH
2006 10 31.80		S	5.5	TK	8.0	B		15	6.5	5	0.5	42	HUR
2006 10 31.81		S	5.5	TK	5.0	B		10	6	4			HUR
2006 10 31.82		M	5.4	TK	5.0	B		10	& 7	7			COM
2006 10 31.85		S	5.5	AC	6.0	B		20	8	6	0.5	45	RES
2006 11 01.76		M	5.9	TT	5.0	B		10	13	6/			HOR02
2006 11 02.76		M	6.0	TT	5.0	B		10	14	6/			HOR02
2006 11 08.76		M	6.4	TT	8.0	B		10	12	5/			HOR02
2006 11 09.73		M	6.6	TT	5.0	B		10	15	5/			HOR02
2006 11 10.73		M	6.8	TT	5.0	B		10	13	5			HOR02
2006 11 15.73		M	6.9	TT	5.0	B		10	12	5/			HOR02

Comet C/2006 P1 (McNaught)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 08 25.48		S	13.9	GA	25.4	L	4	114	0.6				SEA
2006 09 17.42		S	13.6	GA	25.4	L	4	114					SEA
2006 09 27.44		S	[11.9	AU	40.0	L	4	144	! 1.1				YOS04
2006 10 09.40		S	12.5:	HS	40.0	L	4	144	1.4	2			YOS04
2006 10 09.43		S	12.1	GA	25.4	L	4	71	2	1			SEA
2006 10 10.42		S	11.4	GA	25.4	L	4	71	4				SEA
2006 10 11.41		S	11.1	GA	10.0	B		25	6				SEA
2006 10 12.81		S	11.7	TK	20.3	T	10	133	2	2			GON05
2006 10 13.42		S	11.3	GA	25.4	L	4	71	6	3			SEA

Comet P/2006 T1 (Levy)

DATE (UT)	N	MM	MAG.	RF	AP.	T	F/	PWR	COMA	DC	TAIL	PA	OBS.
2006 10 03.81	x	M	9.8	TK	25.4	L	4	46	3.4	3			YOS02
2006 10 04.17		S	9.4	TK	10.0	B		25	3	5			GON05
2006 10 04.19		S	9.7	TK	20.3	T	10	77	2.5	5			GON05
2006 10 05.16		S	9.6	TK	6.0	B		15	3.5	4			DIJ
2006 10 05.18		B	10.1	TI	10.2	T	5	40	2	5			LAB02
2006 10 05.18		S	9.4	TK	10.0	B		25	3	5			GON05
2006 10 06.13		M	10.1	TI	20	L	6	80	2.5	5			CERO1
2006 10 06.13		S	9.3	AC	6.0	B		20	3	4			RES
2006 10 06.13		S	9.5	AC	41	L	6	72	3.5	4			RES
2006 10 07.15	x	S	9.9:	TT	30.0	L	6	105	& 1	1/			FIL04
2006 10 09.80		S	10.5	TJ	40.0	L	4	75	1.7	3			YOS04
2006 10 17.14		S	10.0	AC	13.0	L	6	50	2.7	4			RES
2006 10 17.16		M	10.0	TT	11	R	15	63	2	4			LEH
2006 10 17.17		S	9.7	TK	25.4	J	6	72	1.5	4			DIJ
2006 10 17.17		S	9.9	TK	25.4	J	6	72	2	4			BOU
2006 10 19.08	x	S	10.0	TT	35	L	4	75	2.2	3			POW01
2006 10 19.10	x	M	10.2	TK	11.4	L	8	45	3	3			DOR02
2006 10 19.13	x	B	11.1	TT	30.0	L	6	105	& 2	4			FIL04
2006 10 19.14		S	10.1	TI	41.0	L	6	72	2.5	4			RES
2006 10 20.07	x	S	10.4	TT	35	L	4	75	2.4	3			POW01
2006 10 20.12	x	S	10.7	TK	11.4	L	8	45	2	3			DOR02
2006 10 21.83	x	B	12.0	TJ	30.4	L	5	79	0.5	1			NAG04
2006 10 23.14	x	S	10.8	TT	20.3	L	6	57	1.0	4			PAR03
2006 10 23.84	x	S	11.4:	TK	25.4	L	4	46	2.2	1/			YOS02
2006 10 24.15	x	S	10.9	TT	20.3	L	6	57	1.0	S5			PAR03
2006 10 24.16	x	B	11.7	TT	20.3	L	6	150	0.5	S6			PAR03
2006 10 25.19		S	10.1	AU	25.4	J	6	72	1.8	2/			DIJ
2006 10 25.19		S	10.5	AU	25.4	J	6	72	1.8	2/			BCU
2006 10 27.22		S	10.5:	TK	20.3	T	10	100	2	3			GON05
2006 10 31.15	x	S	11.2	TT	20.3	L	6	57	1.5	4			PAR03
2006 10 31.80		S	11.6	TJ	40.0	L	4	144	1.1	3/			YOS04

Non-Visual Data (new format)

TABULATED NON-VISUAL DATA

The new format for non-visual data was introduced in the October 2001 issue of the *ICQ*, chiefly to help researchers make more sense of comet photometry obtained with CCD cameras, to determine what effects various instrumental factors play (spectral responses, exposure times, photometric aperture sizes, etc.). As described in that issue, almost all of the new information is added to the original observation records in columns 81-129, thereby leaving the first 80 columns essentially unchanged (except that in the "coma-diameter" column, true coma diameters are now given without exception in the new format; the old format allowed CCD users to put instead an aperture size in the "coma-diameter" column, but this is now allowed for in columns 87-93 of the new-format records). See also page 208 of the July 2002 issue.

Most of the columns below are as for the visual data (described on page 143 of this issue). While electronic magnitudes can be submitted to 0.01 magnitude, for many reasons it is highly advised to continue giving total comet magnitudes only to 0.1 mag. Similarly, it is advised to continue giving all times to 0.01 day, as 0.001 day is usually unnecessary for cometary photometry.

The headings for the tabulated data are as follows: The date (UT), notes, magnitude method (including filters for CCDs, and "P" for photographs), magnitude, reference, instrument aperture, instrument type, instrument *f*-ratio, exposure time, coma diameter, degree of condensation, tail length and position angle, and observer are all as described for the visual tabulation. The column headed "APERTUR" gives the photometric aperture, preceded by "S" for square aperture and "C" for circular aperture, and followed by "d" for degrees, "m" for arcmin, and "s" for arcsec. The column "Chp" contains the 3-character code for the computer chip, given to indicate spectral response of the CCD camera. This column will also be used to indicate photographic emulsion when such information is provided for photographic photometry. The column "Sfw" contains the 3-character code for the software used to actually perform the photometric measures (not solely to extract comparison-star magnitudes). A lower-case "a" between these two columns indicates an anti-blooming CCD. The column headed "C" gives a number as follows: 0 = no correction; 1 = correction for bias (bias subtracted); 2 = flat-field corrected (flat-fielded); 3 = 1 + 2; 4 = dark-subtracted (and bias-subtracted) 5 = 2 + 4. The column headed "P" includes a P if the images used to measure the photometry were also measured for astrometry and those astrometric measures were published in the *Minor Planet Circulars* (meaning they were refereed); a U in this column indicates that the respective astrometric was sent to the MPC for publication but that either (a) they are unpublished at the time of reporting the photometry or (b) the observer is unaware of the publication status; a blank in this column indicates that no astrometry was measured. The 3-character CCD-camera code is listed under "Cam".

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Comet 4P/Faye

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 07 03.01	d	k	14.2	LB	14.5L	8	a800	1.0	1.0		1	m238	C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 03.01	d	k	14.2	LB	14.5L	8	a800	1.0	1.0		1	m238	C 1.00m	K40	GAI	5*	ST7	SRB	
2006 07 03.01	d	k	14.8	LB	14.5L	8	a800	1.0	1.0		1	m238	C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 03.01	d	k	15.7	LB	14.5L	8	a800	1.0	1.0		1	m238	C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 06.00	d	k	14.4	LB	14.5L	8	a800	0.8	0.8		1	m251	C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 06.00	d	k	14.6	LB	14.5L	8	a800	0.8	0.8		1	m251	C 0.60m	K40	GAI	5*	ST7	SRB	
2006 07 06.00	d	k	14.9	LB	14.5L	8	a800	0.8	0.8		1	m251	C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 06.00	d	k	16.0	LB	14.5L	8	a800	0.8	0.8		1	m251	C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 19.00	d	k	13.2	LB	14.5L	8	a800	1.0	1.0		0.5m	269	C 1.60m	K40	GAI	5*	ST7	SRB	
2006 07 19.00	d	k	13.6	LB	14.5L	8	a800	1.0	1.0		0.5m	269	C 1.00m	K40	GAI	5*	ST7	SRB	
2006 07 19.00	d	k	13.9	LB	14.5L	8	a800	1.0	1.0		0.5m	269	C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 19.00	d	k	14.6	LB	14.5L	8	a800	1.0	1.0		0.5m	269	C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 19.00	d	k	15.5	LB	14.5L	8	a800	1.0	1.0		0.5m	269	C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 20.97	d	k	14.5	LB	14.5L	8	a400	0.9	0.9		0.5m	256	C 0.30m	K40	GAI	5*	ST7	SRB	
2006 07 20.97	d	k	15.2	LB	14.5L	8	a400	0.9	0.9		0.5m	256	C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 26.00	d	k	13.4	LB	14.5L	8	a800	0.7	0.7		0.7m	257	C 1.60m	K40	GAI	5*	ST7	SRB	
2006 07 26.00	d	k	13.9	LB	14.5L	8	a800	0.7	0.7		0.7m	257	C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 26.00	d	k	14.5	LB	14.5L	8	a800	0.7	0.7		0.7m	257	C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 26.00	d	k	15.4	LB	14.5L	8	a800	0.7	0.7		0.7m	257	C 0.20m	K40	GAI	5*	ST7	SRB	
2006 08 04.76	x	C	13.5	GA	15.0L	6	a240	0.7	0.7		1.6m	253	C 1.1 m	K26	SI5	5	ST9	YOS02	
2006 08 14.65	ax	C	13.4	HV	35.0C	10	a 90	0.5	5		1.5m	250	S 1.18m	KAIaSI4	5		ST2	TSU02	
2006 09 01.65	ax	C	12.4	HV	35.0C	10	a 90						S 1.75m	KAIaSI4	5		ST2	TSU02	
2006 09 19.61	ax	C	11.6	HV	35.0C	10	a 90	1.5	5		8	m254	S 2.59m	KAIaSI4	5		ST2	TSU02	
2006 09 26.44	E	R	10.9	LA	154 C	13	a600	3.5	6				C 3.5 m	F48	IRA	3*P		HER02	
2006 10 15.61	x	C	11.0	TJ	5.4A	6	a 60	2.0			1.9m	280	S 3.3 m	K16	SI3	5	MCV	NAG08	
2006 10 16.31	E	R	10.0	LA	154 C	13	a600	4.9	6				C 4.9 m	F48	IRA	3*P		HER02	

Comet 4P/Faye [cont.]

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 10 16.58	x	C	9.7	GA	15.0L	6	a240	4.5			>22	m257	C 4.5 m	K26	SI5	5		ST9	YOS02
2006 10 16.80	x	C	10.6	TJ	5.4A	4	a 60	2.4			2.0m	264	S 4.9 m	K16	SI3	5		MCV	NAG08

Comet 29P/Schwassmann-Wachmann

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2005 10 25.88		C	14.6	TI	25.0L	5	a720	+ 0.7	s6				S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2005 10 25.88		C	14.9	TI	25.0L	5	a720	+ 0.6	s6				S 0.6 m	PF1aAA3	5*U	STE	SCA02		
2005 10 25.88		C	15.3	TI	25.0L	5	a720	+ 0.5	s6				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2005 10 27.86		C	14.9	TI	25.0L	5	a900	+ 0.7	s8				S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2005 10 27.86		C	15.4	TI	25.0L	5	a900	+ 0.5	s8				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2005 10 27.86		C	16.1	TI	25.0L	5	a900	+ 0.3	s8				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2005 11 04.78		C	14.3	TI	25.0L	5	a900	+ 0.7	s9				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2005 11 04.78		C	14.5	TI	25.0L	5	a900	+ 0.6	s9				S 0.6 m	PF1aAA3	5*U	STE	SCA02		
2005 11 04.78		C	14.7	TI	25.0L	5	a900	+ 0.5	s9				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2005 11 09.80		C	14.3	TI	25.0L	5	A200	+ 0.7	s7				S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2005 11 09.80		C	15.0	TI	25.0L	5	A200	+ 0.4	s7				S 0.4 m	PF1aAA3	5*U	STE	SCA02		
2005 11 09.80		C	16.3	TI	25.0L	5	A200	+ 0.2	s7				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2005 11 10.76		C	13.4	TI	25.0L	5	a600	+ 0.7	s6				S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2005 11 10.76		C	14.5	TI	25.0L	5	a600	+ 0.5	s6				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2005 11 10.76		C	16.0	TI	25.0L	5	a600	+ 0.2	s6				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2005 12 19.73		C	15.5	TI	25.0L	5	A200	+ 0.7	s6				S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2005 12 19.73		C	15.5	TI	25.0L	5	A200	+ 0.6	s6				S 0.6 m	PF1aAA3	5*U	STE	SCA02		
2005 12 19.73		C	15.6	TI	25.0L	5	A200	+ 0.5	s6				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2005 12 19.73		C	15.9	TI	25.0L	5	A200	+ 0.4	s6				S 0.4 m	PF1aAA3	5*U	STE	SCA02		
2005 12 19.73		C	16.3	TI	25.0L	5	A200	+ 0.3	s6				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2005 12 19.73		C	16.5	TI	25.0L	5	A200	+ 0.2	s6				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 01 19.81		C	15.6	TI	25.0L	5	A200	+ 0.7	s5				S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 01 19.81		C	15.7	TI	25.0L	5	A200	+ 0.6	s5				S 0.6 m	PF1aAA3	5*U	STE	SCA02		
2006 01 19.81		C	15.8	TI	25.0L	5	A200	+ 0.5	s5				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 01 19.81		C	16.0	TI	25.0L	5	A200	+ 0.4	s5				S 0.4 m	PF1aAA3	5*U	STE	SCA02		
2006 01 19.81		C	16.3	TI	25.0L	5	A200	+ 0.3	s5				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 01 19.81		C	17.4	TI	25.0L	5	A200	+ 0.1	s5				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 01 20.75		C	15.3	TI	25.0L	5	A200	+ 0.7	s7				S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 01 20.75		C	15.5	TI	25.0L	5	A200	+ 0.6	s7				S 0.6 m	PF1aAA3	5*U	STE	SCA02		
2006 01 20.75		C	15.6	TI	25.0L	5	A200	+ 0.5	s7				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 01 20.75		C	15.7	TI	25.0L	5	A200	+ 0.4	s7				S 0.4 m	PF1aAA3	5*U	STE	SCA02		
2006 01 20.75		C	15.8	TI	25.0L	5	A200	+ 0.3	s7				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 01 20.75		C	16.7	TI	25.0L	5	A200	+ 0.1	s7				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 01 23.63		C	14.6	TI	25.0L	5	A200	+ 0.5	s9				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 01 23.63		C	14.6	TI	25.0L	5	A200	+ 0.7	s9				S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 01 23.63		C	14.6	TI	25.0L	5	A200	+ 0.6	s9				S 0.6 m	PF1aAA3	5*U	STE	SCA02		
2006 01 23.63		C	14.7	TI	25.0L	5	A200	+ 0.4	s9				S 0.4 m	PF1aAA3	5*U	STE	SCA02		
2006 01 23.63		C	14.8	TI	25.0L	5	A200	+ 0.3	s9				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 01 23.63		C	15.5	TI	25.0L	5	A200	+ 0.1	s9				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 01 25.74		C	14.3	TI	25.0L	5	A380	+ 0.7	s8				S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 01 25.74		C	14.3	TI	25.0L	5	A380	+ 0.6	s8				S 0.6 m	PF1aAA3	5*U	STE	SCA02		
2006 01 25.74		C	14.4	TI	25.0L	5	A380	+ 0.5	s8				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 01 25.74		C	14.5	TI	25.0L	5	A380	+ 0.4	s8				S 0.4 m	PF1aAA3	5*U	STE	SCA02		
2006 01 25.74		C	14.6	TI	25.0L	5	A380	+ 0.3	s8				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 01 25.74		C	15.5	TI	25.0L	5	A380	+ 0.1	s8				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 02 01.73		C	14.6	TI	25.0L	5	A440	+ 0.7	s5				S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 02 01.73		C	14.7	TI	25.0L	5	A440	+ 0.6	s5				S 0.6 m	PF1aAA3	5*U	STE	SCA02		
2006 02 01.73		C	14.9	TI	25.0L	5	A440	+ 0.5	s5				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 02 01.73		C	15.1	TI	25.0L	5	A440	+ 0.4	s5				S 0.4 m	PF1aAA3	5*U	STE	SCA02		
2006 02 01.73		C	15.3	TI	25.0L	5	A440	+ 0.3	s5				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 02 01.73		C	15.8	TI	25.0L	5	A440	+ 0.2	s5				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 02 01.73		C	16.7	TI	25.0L	5	A440	+ 0.1	s5				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 02 02.74		C	14.8	TI	25.0L	5	A440	+ 0.7	s5				S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 02 02.74		C	14.9	TI	25.0L	5	A440	+ 0.6	s5				S 0.6 m	PF1aAA3	5*U	STE	SCA02		
2006 02 02.74		C	15.0	TI	25.0L	5	A440	+ 0.5	s5				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 02 02.74		C	15.2	TI	25.0L	5	A440	+ 0.4	s5				S 0.4 m	PF1aAA3	5*U	STE	SCA02		
2006 02 02.74		C	15.5	TI	25.0L	5	A440	+ 0.3	s5				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 02 02.74		C	16.0	TI	25.0L	5	A440	+ 0.2	s5				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 02 02.74		C	16.8	TI	25.0L	5	A440	+ 0.1	s5				S 0.1 m	PF1aAA3	5*U	STE	SCA02		

Comet 29P/Schwassmann-Wachmann [cont.]

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 02 03.76		C	14.8	TI	25.0L	5	a840	+ 0.7	s5				S 0.7 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 03.76		C	14.9	TI	25.0L	5	a840	+ 0.6	s5				S 0.6 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 03.76		C	15.0	TI	25.0L	5	a840	+ 0.5	s5				S 0.5 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 03.76		C	15.2	TI	25.0L	5	a840	+ 0.4	s5				S 0.4 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 03.76		C	15.5	TI	25.0L	5	a840	+ 0.3	s5				S 0.3 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 03.76		C	15.9	TI	25.0L	5	a840	+ 0.2	s5				S 0.2 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 03.76		C	16.8	TI	25.0L	5	a840	+ 0.1	s5				S 0.1 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 13.76		C	14.5	TI	25.0L	5	A380	+ 0.7	s7				S 0.7 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 13.76		C	14.6	TI	25.0L	5	A380	+ 0.6	s7				S 0.6 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 13.76		C	14.7	TI	25.0L	5	A380	+ 0.5	s7				S 0.5 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 13.76		C	14.9	TI	25.0L	5	A380	+ 0.4	s7				S 0.4 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 13.76		C	15.1	TI	25.0L	5	A380	+ 0.3	s7				S 0.3 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 13.76		C	15.4	TI	25.0L	5	A380	+ 0.2	s7				S 0.2 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 13.76		C	16.0	TI	25.0L	5	A380	+ 0.1	s7				S 0.1 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 19.79		C	13.9	TI	25.0L	5	a600	+ 0.7	s9				S 0.7 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 19.79		C	14.0	TI	25.0L	5	a600	+ 0.6	s9				S 0.6 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 19.79		C	14.1	TI	25.0L	5	a600	+ 0.5	s9				S 0.5 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 19.79		C	14.2	TI	25.0L	5	a600	+ 0.4	s9				S 0.4 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 19.79		C	14.3	TI	25.0L	5	a600	+ 0.3	s9				S 0.3 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 19.79		C	15.2	TI	25.0L	5	a600	+ 0.1	s9				S 0.1 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 02 19.79		C	15.5	TI	25.0L	5	a600	+ 0.2	s9				S 0.2 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 03.76		C	13.6	TI	25.0L	5	a420	+ 0.7	s4				S 0.7 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 03.76		C	13.8	TI	25.0L	5	a420	+ 0.6	s4				S 0.6 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 03.76		C	13.9	TI	25.0L	5	a420	+ 0.5	s4				S 0.5 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 03.76		C	14.1	TI	25.0L	5	a420	+ 0.4	s4				S 0.4 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 03.76		C	14.3	TI	25.0L	5	a420	+ 0.3	s4				S 0.3 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 03.76		C	14.7	TI	25.0L	5	a420	+ 0.2	s4				S 0.2 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 03.76		C	15.4	TI	25.0L	5	a420	+ 0.1	s4				S 0.1 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 16.77		C	13.8	TI	25.0L	5	a900	+ 0.6	s4				S 0.6 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 16.77		C	14.0	TI	25.0L	5	a900	+ 0.5	s4				S 0.5 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 16.77		C	14.3	TI	25.0L	5	a900	+ 0.4	s4				S 0.4 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 16.77		C	14.6	TI	25.0L	5	a900	+ 0.3	s4				S 0.3 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 16.77		C	15.2	TI	25.0L	5	a900	+ 0.2	s4				S 0.2 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 16.77		C	16.1	TI	25.0L	5	a900	+ 0.1	s4				S 0.1 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 17.76		C	13.8	TI	25.0L	5	a900	+ 0.6	s4				S 0.6 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 17.76		C	14.0	TI	25.0L	5	a900	+ 0.5	s4				S 0.5 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 17.76		C	14.3	TI	25.0L	5	a900	+ 0.4	s4				S 0.4 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 17.76		C	14.7	TI	25.0L	5	a900	+ 0.3	s4				S 0.3 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 17.76		C	15.4	TI	25.0L	5	a900	+ 0.2	s4				S 0.2 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 17.76		C	16.2	TI	25.0L	5	a900	+ 0.1	s4				S 0.1 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 21.78		C	13.8	TI	25.0L	5	A080	+ 0.6	s4				S 0.6 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 21.78		C	14.0	TI	25.0L	5	A080	+ 0.5	s4				S 0.5 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 21.78		C	14.3	TI	25.0L	5	A080	+ 0.4	s4				S 0.4 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 21.78		C	14.7	TI	25.0L	5	A080	+ 0.3	s4				S 0.3 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 21.78		C	15.0	TI	25.0L	5	A080	+ 0.2	s4				S 0.2 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 21.78		C	16.1	TI	25.0L	5	A080	+ 0.1	s4				S 0.1 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 27.75		C	14.4	TI	25.0L	5	A620	+ 0.6	s3				S 0.6 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 27.75		C	14.6	TI	25.0L	5	A620	+ 0.5	s3				S 0.5 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 27.75		C	15.0	TI	25.0L	5	A620	+ 0.4	s3				S 0.4 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 27.75		C	15.5	TI	25.0L	5	A620	+ 0.3	s3				S 0.3 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 27.75		C	16.1	TI	25.0L	5	A620	+ 0.2	s3				S 0.2 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 27.75		C	17.1	TI	25.0L	5	A620	+ 0.1	s3				S 0.1 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 31.76		C	14.5	TI	25.0L	5	a900	+ 0.6	s3				S 0.6 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 31.76		C	14.8	TI	25.0L	5	a900	+ 0.5	s3				S 0.5 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 31.76		C	15.1	TI	25.0L	5	a900	+ 0.4	s3				S 0.4 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 31.76		C	15.4	TI	25.0L	5	a900	+ 0.3	s3				S 0.3 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 31.76		C	15.9	TI	25.0L	5	a900	+ 0.2	s3				S 0.2 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 03 31.76		C	16.8	TI	25.0L	5	a900	+ 0.1	s3				S 0.1 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 04 02.76		C	14.7	TI	25.0L	5	A500	+ 0.6	s4				S 0.6 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 04 02.76		C	14.9	TI	25.0L	5	A500	+ 0.5	s4				S 0.5 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 04 02.76		C	15.1	TI	25.0L	5	A500	+ 0.4	s4				S 0.4 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 04 02.76		C	15.5	TI	25.0L	5	A500	+ 0.3	s4				S 0.3 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 04 02.76		C	15.9	TI	25.0L	5	A500	+ 0.2	s4				S 0.2 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 04 02.76		C	16.7	TI	25.0L	5	A500	+ 0.1	s4				S 0.1 m	PF1aAA3	5*U	STE	SCA02	SCA02	
2006 07 26.03	d	k	12.4	LB	14.5L	8	a800	1.2					C 1.60m	K40 GAI	5*	ST7	SRB	SRB	

Comet 29P/Schwassmann-Wachmann [cont.]

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 07 26.03	d	k	12.7	LB	14.5L		8	a800	1.2				C 1.20m	K40	GAI	5*	ST7	SRB	
2006 07 26.03	d	k	13.0	LB	14.5L		8	a800	1.2				C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 26.03	d	k	14.0	LB	14.5L		8	a800	1.2				C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 26.03	d	k	15.3	LB	14.5L		8	a800	1.2				C 0.20m	K40	GAI	5*	ST7	SRB	
2006 10 16.60	x	C	12.6	TJ	15.0L		6	a240	2.1				C 2.1 m	K26	SI5	5	ST9	YOS02	

Comet 41P/Tuttle-Giacobini-Kresák

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 03 03.79		C	16.5	TI	25.0L		5	A200 + 0.5	s4				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 03 03.79		C	17.3	TI	25.0L		5	A200 + 0.3	s4				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 03 03.79		C	18.0	TI	25.0L		5	A200 + 0.1	s4				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.80		C	17.8	TI	25.0L		5	A350 + 0.3	s2				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.80		C	18.1	TI	25.0L		5	A350 + 0.2	s2				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.80		C	18.6	TI	25.0L		5	A350 + 0.1	s2				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 04 12.76		k	15.4	TI	25.0L		5	A350 + 0.3	s2				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 04 12.76		k	15.8	TI	25.0L		5	A350 + 0.2	s2				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 04 12.76		k	16.5	TI	25.0L		5	A350 + 0.1	s2				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 05 11.80		C	12.3	TI	25.0L		5	A200 + 1.8	s4				S 1.8 m	PF1aAA3	5*U	STE	SCA02		
2006 05 11.80		C	13.3	TI	25.0L		5	A200 + 0.9	s4				S 0.9 m	PF1aAA3	5*U	STE	SCA02		
2006 05 11.80		C	14.1	TI	25.0L		5	A200 + 0.5	s4				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 05 11.80		C	14.8	TI	25.0L		5	A200 + 0.3	s4				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 05 11.80		C	15.3	TI	25.0L		5	A200 + 0.2	s4				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 05 11.80		C	16.2	TI	25.0L		5	A200 + 0.1	s4				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 05 18.81		C	11.7	TI	25.0L		5	A500 + 1.8	s4				S 1.8 m	PF1aAA3	5*U	STE	SCA02		
2006 05 18.81		C	12.6	TI	25.0L		5	A500 + 0.9	s4				S 0.9 m	PF1aAA3	5*U	STE	SCA02		
2006 05 18.81		C	13.5	TI	25.0L		5	A500 + 0.5	s4				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 05 18.81		C	14.2	TI	25.0L		5	A500 + 0.3	s4				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 05 18.81		C	14.7	TI	25.0L		5	A500 + 0.2	s4				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 05 18.81		C	15.7	TI	25.0L		5	A500 + 0.1	s4				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 05 28.83		C	10.9	TI	8.0R		5	a900 + 3.9	s4				S 3.9 m	PF1aAA3	5*U	STE	SCA02		
2006 05 28.83		C	11.6	TI	8.0R		5	a900 + 1.8	s4				S 1.8 m	PF1aAA3	5*U	STE	SCA02		
2006 05 28.83		C	12.6	TI	8.0R		5	a900 + 0.9	s4				S 0.9 m	PF1aAA3	5*U	STE	SCA02		
2006 06 14.83		C	11.4	TI	25.0L		5	a300 + 1.8	s4				S 1.8 m	PF1aAA3	5*U	STE	SCA02		
2006 06 14.83		C	12.7	TI	25.0L		5	a300 + 0.9	s4				S 0.9 m	PF1aAA3	5*U	STE	SCA02		
2006 06 14.83		C	13.6	TI	25.0L		5	a300 + 0.5	s4				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 06 14.83		C	14.3	TI	25.0L		5	a300 + 0.3	s4				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 06 14.83		C	14.9	TI	25.0L		5	a300 + 0.2	s4				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 06 14.83		C	15.7	TI	25.0L		5	a300 + 0.1	s4				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 06 14.84		k	11.3	TI	25.0L		5	a900 + 1.8	s3				S 1.8 m	PF1aAA3	5*U	STE	SCA02		
2006 06 14.84		k	12.4	TI	25.0L		5	a900 + 0.9	s3				S 0.9 m	PF1aAA3	5*U	STE	SCA02		
2006 06 14.84		k	13.3	TI	25.0L		5	a900 + 0.5	s3				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 06 14.84		k	14.1	TI	25.0L		5	a900 + 0.3	s3				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 06 14.84		k	14.7	TI	25.0L		5	a900 + 0.2	s3				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 06 14.84		k	15.6	TI	25.0L		5	a900 + 0.1	s3				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 06 21.84		C	11.6	TI	25.0L		5	a900 + 1.8	s3				S 1.8 m	PF1aAA3	5*U	STE	SCA02		
2006 06 21.84		C	12.7	TI	25.0L		5	a900 + 0.9	s3				S 0.9 m	PF1aAA3	5*U	STE	SCA02		
2006 06 21.84		C	13.6	TI	25.0L		5	a900 + 0.5	s3				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 06 21.84		C	14.4	TI	25.0L		5	a900 + 0.3	s3				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 06 21.84		C	14.9	TI	25.0L		5	a900 + 0.2	s3				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 06 21.84		C	15.9	TI	25.0L		5	a900 + 0.1	s3				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 06 24.82		C	11.8	TI	25.0L		5	a900 + 1.8	s3				S 1.8 m	PF1aAA3	5*U	STE	SCA02		
2006 06 24.82		C	12.2	TI	25.0L		5	a900 + 0.9	s3				S 0.9 m	PF1aAA3	5*U	STE	SCA02		
2006 06 24.82		C	12.8	TI	25.0L		5	a900 + 0.5	s3				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 06 24.82		C	14.4	TI	25.0L		5	a900 + 0.3	s3				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 06 24.82		C	14.9	TI	25.0L		5	a900 + 0.2	s3				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 06 24.82		C	15.8	TI	25.0L		5	a900 + 0.1	s3				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 07 02.87	d	k	12.9	LB	14.5L		8	a800	1.0				C 2.05m	K40	GAI	5*	ST7	SRB	
2006 07 02.87	d	k	13.1	LB	14.5L		8	a800	1.0				C 1.60m	K40	GAI	5*	ST7	SRB	
2006 07 02.87	d	k	13.5	LB	14.5L		8	a800	1.0				C 1.00m	K40	GAI	5*	ST7	SRB	
2006 07 02.87	d	k	13.8	LB	14.5L		8	a800	1.0				C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 02.87	d	k	14.7	LB	14.5L		8	a800	1.0				C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 02.87	d	k	15.7	LB	14.5L		8	a800	1.0				C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 05.87	d	k	12.7	LB	14.5L		8	a800	1.3				C 1.60m	K40	GAI	5*	ST7	SRB	
2006 07 05.87	d	k	12.9	LB	14.5L		8	a800	1.3				C 1.30m	K40	GAI	5*	ST7	SRB	

Comet 41P/Tuttle-Giacobini-Kresák [cont.]

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 07 05.87	d	k	13.7	LB	14.5L	8	a800	1.3					C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 05.87	d	k	14.7	LB	14.5L	8	a800	1.3					C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 05.87	d	k	15.7	LB	14.5L	8	a800	1.3					C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 17.81		C	11.7	TI	25.0L	5	a900	+ 2.1	s3				S 2.12m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	11.8	TI	25.0L	5	a900	+ 2.1	s3				S 2.08m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	11.8	TI	25.0L	5	a900	+ 2.1	s3				S 2.10m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	11.9	TI	25.0L	5	a900	+ 2.0	s3				S 1.99m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	12.0	TI	25.0L	5	a900	+ 1.9	s3				S 1.90m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	12.1	TI	25.0L	5	a900	+ 1.8	s3				S 1.81m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	12.2	TI	25.0L	5	a900	+ 1.7	s3				S 1.72m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	12.3	TI	25.0L	5	a900	+ 1.6	s3				S 1.63m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	12.4	TI	25.0L	5	a900	+ 1.5	s3				S 1.54m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	12.5	TI	25.0L	5	a900	+ 1.4	s3				S 1.45m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	12.6	TI	25.0L	5	a900	+ 1.3	s3				S 1.36m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	12.7	TI	25.0L	5	a900	+ 1.3	s3				S 1.27m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	12.8	TI	25.0L	5	a900	+ 1.2	s3				S 1.18m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	13.0	TI	25.0L	5	a900	+ 1.0	s3				S 0.99m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	13.1	TI	25.0L	5	a900	+ 0.9	s3				S 0.90m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	13.3	TI	25.0L	5	a900	+ 0.8	s3				S 0.81m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	13.5	TI	25.0L	5	a900	+ 0.7	s3				S 0.73m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	13.7	TI	25.0L	5	a900	+ 0.6	s3				S 0.64m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	13.9	TI	25.0L	5	a900	+ 0.5	s3				S 0.55m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	14.2	TI	25.0L	5	a900	+ 0.5	s3				S 0.47m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	14.6	TI	25.0L	5	a900	+ 0.4	s3				S 0.38m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	15.0	TI	25.0L	5	a900	+ 0.3	s3				S 0.29m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	15.6	TI	25.0L	5	a900	+ 0.2	s3				S 0.21m	PF1aAA3	5*U	STE	SCA02		
2006 07 17.81		C	16.5	TI	25.0L	5	a900	+ 0.1	s3				S 0.12m	PF1aAA3	5*U	STE	SCA02		
2006 07 19.88	d	k	11.2	LB	14.5L	8	a800	> 1					C 3.25m	K40	GAI	5*	ST7	SRB	
2006 07 19.88	d	k	12.0	LB	14.5L	8	a800	> 1					C 1.60m	K40	GAI	5*	ST7	SRB	
2006 07 19.88	d	k	12.5	LB	14.5L	8	a800	> 1					C 1.20m	K40	GAI	5*	ST7	SRB	
2006 07 19.88	d	k	13.1	LB	14.5L	8	a800	> 1					C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 19.88	d	k	14.3	LB	14.5L	8	a800	> 1					C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 19.88	d	k	15.6	LB	14.5L	8	a800	> 1					C 0.20m	K40	GAI	5*	ST7	SRB	

Comet 71P/Clark

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.	
2006 09 19.53	ax	C	14.3	HV	35.0C	10	a180	0.4		4			S 0.79m	KAIaSI4	5		ST2	TSU02		
2006 10 16.49	x	C	14.3	TJ	15.0L	6	a240	0.9			0.7m	60	C 0.9 m	K26	SI5	5		ST9	YOS02	

Comet 73P/Schwassmann-Wachmann [component B]

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 03 27.91		C	13.1	TI	25.0L	5	a910	+ 1.0	s7				S 1.0 m	PF1aAA3	5*U	STE	SCA02		
2006 03 27.91		C	13.6	TI	25.0L	5	a910	+ 0.5	s7				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 03 27.91		C	13.8	TI	25.0L	5	a910	+ 0.4	s7				S 0.4 m	PF1aAA3	5*U	STE	SCA02		
2006 03 27.91		C	13.9	TI	25.0L	5	a910	+ 0.3	s7				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 03 31.91		C	12.9	TI	25.0L	5	a720	+ 1.0	s6				S 1.0 m	PF1aAA3	5*U	STE	SCA02		
2006 03 31.91		C	13.6	TI	25.0L	5	a720	+ 0.5	s6				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 03 31.91		C	14.3	TI	25.0L	5	a720	+ 0.2	s6				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.88		C	10.5	TI	25.0L	5	a780	+ 2.9	s7				S 2.9 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.88		C	10.8	TI	25.0L	5	a780	+ 1.4	s7				S 1.4 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.88		C	10.9	TI	25.0L	5	a780	+ 1.0	s7				S 1.0 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.88		C	11.0	TI	25.0L	5	a780	+ 0.7	s7				S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.88		C	11.1	TI	25.0L	5	a780	+ 0.5	s7				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.88		C	11.5	TI	25.0L	5	a780	+ 0.2	s7				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 04 09.85		k	9.4	TI	25.0L	5	A710	+ 2.9	s7				S 2.9 m	PF1aAA3	5*U	STE	SCA02		
2006 04 09.85		k	9.9	TI	25.0L	5	A710	+ 1.4	s7				S 1.4 m	PF1aAA3	5*U	STE	SCA02		
2006 04 09.85		k	10.2	TI	25.0L	5	A710	+ 1.0	s7				S 1.0 m	PF1aAA3	5*U	STE	SCA02		
2006 04 09.85		k	10.5	TI	25.0L	5	A710	+ 0.7	s7				S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 04 09.85		k	11.0	TI	25.0L	5	A710	+ 0.5	s6				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 04 09.85		k	12.0	TI	25.0L	5	A710	+ 0.2	s6				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 04 12.84		k	9.0	TI	25.0L	5	a810	+ 2.9	s6				S 2.9 m	PF1aAA3	5*U	STE	SCA02		
2006 04 12.84		k	9.7	TI	25.0L	5	a810	+ 1.4	s6				S 1.4 m	PF1aAA3	5*U	STE	SCA02		
2006 04 12.84		k	10.1	TI	25.0L	5	a810	+ 1.0	s6				S 1.0 m	PF1aAA3	5*U	STE	SCA02		

Comet 73P/Schwassmann-Wachmann [component B] (cont.)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 04 12.84	k	10.4	TI	25.0L	5	a810	+	0.7	s6				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 04 12.84	k	10.9	TI	25.0L	5	a810	+	0.5	s6				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 04 12.84	k	12.2	TI	25.0L	5	a810	+	0.2	s6				S 0.2	m	PF1aAA3	5*U	STE	SCA02	
2006 04 20.82	k	10.0	TI	25.0L	5	B700	+	2.9	s5				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 04 20.82	k	11.0	TI	25.0L	5	B700	+	1.4	s5				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 04 20.82	k	11.5	TI	25.0L	5	B700	+	1.0	s5				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 04 20.82	k	11.9	TI	25.0L	5	B700	+	0.7	s5				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 04 20.82	k	12.1	TI	25.0L	5	B700	+	0.5	s5				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 04 22.82	k	10.0	TI	25.0L	5	C300	+	2.9	s5				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 04 22.82	k	11.0	TI	25.0L	5	C300	+	1.4	s5				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 04 22.82	k	11.5	TI	25.0L	5	C300	+	1.0	s5				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 04 22.82	k	11.8	TI	25.0L	5	C300	+	0.7	s5				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 04 22.82	k	12.4	TI	25.0L	5	C300	+	0.5	s5				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 04 24.81	k	10.6	TI	25.0L	5	C300	+	2.9	s9				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 04 24.81	k	11.1	TI	25.0L	5	C300	+	1.4	s9				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 04 24.81	k	11.4	TI	25.0L	5	C300	+	1.0	s9				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 04 24.81	k	11.7	TI	25.0L	5	C300	+	0.7	s9				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 04 24.81	k	12.1	TI	25.0L	5	C300	+	0.5	s9				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 04 28.79	k	8.6	TI	25.0L	5	C300	+	2.9	s7				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 04 28.79	k	9.1	TI	25.0L	5	C300	+	1.4	s7				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 04 28.79	k	9.4	TI	25.0L	5	C300	+	1.0	s7				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 04 28.79	k	9.6	TI	25.0L	5	C300	+	0.7	s7				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 04 28.79	k	10.0	TI	25.0L	5	C300	+	0.5	s7				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 04 28.79	k	10.9	TI	25.0L	5	C300	+	0.2	s7				S 0.2	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.79	k	8.0	TI	25.0L	5	C000	+	8.6	s5				S 8.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.79	k	8.1	TI	25.0L	5	C000	+	7.3	s5				S 7.3	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.79	k	8.4	TI	25.0L	5	C000	+	5.6	s5				S 5.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.79	k	9.1	TI	25.0L	5	C000	+	2.9	s5				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.79	k	9.9	TI	25.0L	5	C000	+	1.4	s5				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.79	k	10.4	TI	25.0L	5	C000	+	1.0	s5				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.79	k	10.7	TI	25.0L	5	C000	+	0.7	s5				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.79	k	11.3	TI	25.0L	5	C000	+	0.5	s5				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.79	k	12.4	TI	25.0L	5	C000	+	0.2	s5				S 0.2	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.83	k	8.0	TI	25.0L	5	A680	+	8.6	s6				S 8.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.83	k	8.2	TI	25.0L	5	A680	+	7.3	s6				S 7.3	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.83	k	8.4	TI	25.0L	5	A680	+	5.6	s6				S 5.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.83	k	8.9	TI	25.0L	5	A680	+	2.9	s6				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.83	k	9.7	TI	25.0L	5	A680	+	1.4	s6				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.83	k	10.1	TI	25.0L	5	A680	+	1.0	s6				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.83	k	10.4	TI	25.0L	5	A680	+	0.7	s6				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.83	k	10.9	TI	25.0L	5	A680	+	0.5	s6				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.83	k	12.1	TI	25.0L	5	A680	+	0.2	s6				S 0.2	m	PF1aAA3	5*U	STE	SCA02	
2006 05 06.83	k	9.4	TI	25.0L	5	A800	+	2.9	s6				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 05 06.83	k	10.5	TI	25.0L	5	A800	+	1.4	s6				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 05 06.83	k	11.0	TI	25.0L	5	A800	+	1.0	s6				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 05 06.83	k	11.5	TI	25.0L	5	A800	+	0.7	s6				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 05 06.83	k	12.1	TI	25.0L	5	A800	+	0.5	s6				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 05 06.83	k	13.5	TI	25.0L	5	A800	+	0.2	s6				S 0.2	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.86	k	5.5	TI	25.0L	5	A200	+	7.3	s7				S 7.3	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.86	k	5.5	TI	25.0L	5	A200	+	8.6	s7				S 8.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.86	k	5.6	TI	25.0L	5	A200	+	5.6	s7				S 5.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.86	k	5.8	TI	25.0L	5	A200	+	2.9	s7				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.86	k	6.1	TI	25.0L	5	A200	+	1.4	s7				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.86	k	6.4	TI	25.0L	5	A200	+	1.0	s7				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.86	k	6.6	TI	25.0L	5	A200	+	0.7	s7				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.86	k	7.0	TI	25.0L	5	A200	+	0.5	s7				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.86	k	7.9	TI	25.0L	5	A200	+	0.2	s7				S 0.2	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.97	k	5.8	TI	25.0L	5	a600	+	8.6	s7				S 8.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.97	k	6.0	TI	25.0L	5	a600	+	7.3	s7				S 7.3	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.97	k	6.2	TI	25.0L	5	a600	+	5.6	s7				S 5.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.97	k	7.0	TI	25.0L	5	a600	+	2.9	s7				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.97	k	7.7	TI	25.0L	5	a600	+	1.4	s7				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.97	k	8.1	TI	25.0L	5	a600	+	1.0	s7				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.97	k	8.5	TI	25.0L	5	a600	+	0.7	s7				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.97	k	8.9	TI	25.0L	5	a600	+	0.5	s7				S 0.5	m	PF1aAA3	5*U	STE	SCA02	

Comet 73P/Schwassmann-Wachmann [component B] (cont.)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 05 11.97		k	9.7	TI	25.0L		5	a600	+ 0.2	s7			S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 05 13.99		k	6.1	TI	25.0L		5	a450	+ 8.6	s6			S 8.6 m	PF1aAA3	5*U	STE	SCA02		
2006 05 13.99		k	6.3	TI	25.0L		5	a450	+ 7.3	s6			S 7.3 m	PF1aAA3	5*U	STE	SCA02		
2006 05 13.99		k	6.7	TI	25.0L		5	a450	+ 5.6	s6			S 5.6 m	PF1aAA3	5*U	STE	SCA02		
2006 05 13.99		k	7.5	TI	25.0L		5	a450	+ 2.9	s6			S 2.9 m	PF1aAA3	5*U	STE	SCA02		
2006 05 13.99		k	8.3	TI	25.0L		5	a450	+ 1.4	s6			S 1.4 m	PF1aAA3	5*U	STE	SCA02		
2006 05 13.99		k	8.7	TI	25.0L		5	a450	+ 1.0	s6			S 1.0 m	PF1aAA3	5*U	STE	SCA02		
2006 05 13.99		k	9.0	TI	25.0L		5	a450	+ 0.7	s6			S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 05 13.99		k	9.5	TI	25.0L		5	a450	+ 0.5	s6			S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 05 13.99		k	10.5	TI	25.0L		5	a450	+ 0.2	s6			S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.01		k	6.4	TI	25.0L		5	a450	+ 8.6	s6			S 8.6 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.01		k	6.7	TI	25.0L		5	a450	+ 7.3	s6			S 7.3 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.01		k	7.0	TI	25.0L		5	a450	+ 5.6	s6			S 5.6 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.01		k	7.9	TI	25.0L		5	a450	+ 2.9	s6			S 2.9 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.01		k	8.7	TI	25.0L		5	a450	+ 1.4	s6			S 1.4 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.01		k	9.1	TI	25.0L		5	a450	+ 1.0	s6			S 1.0 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.01		k	9.4	TI	25.0L		5	a450	+ 0.7	s6			S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.01		k	9.8	TI	25.0L		5	a450	+ 0.5	s6			S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.01		k	10.7	TI	25.0L		5	a450	+ 0.2	s6			S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 08 04.78	sxC		15.9	GA	15.0L		6	a240	0.5		5.5m245	C	0.5 m	K26	SI5	5	ST9	YDS02	

Comet 73P/Schwassmann-Wachmann [component C]

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 03 03.92		C	11.8	TI	25.0L		5	A200	+ 2.8	s6			S 2.8 m	PF1aAA3	5*U	STE	SCA02		
2006 03 03.92		C	12.4	TI	25.0L		5	A200	+ 1.4	s6			S 1.4 m	PF1aAA3	5*U	STE	SCA02		
2006 03 03.92		C	12.9	TI	25.0L		5	A200	+ 0.7	s6			S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 03 27.89		C	10.5	TI	25.0L		5	a910	+ 2.9	s7			S 2.9 m	PF1aAA3	5*U	STE	SCA02		
2006 03 27.89		C	11.0	TI	25.0L		5	a910	+ 1.4	s7			S 1.4 m	PF1aAA3	5*U	STE	SCA02		
2006 03 27.89		C	11.5	TI	25.0L		5	a910	+ 0.7	s7			S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 03 31.88		C	10.2	TI	25.0L		5	A800	+ 2.9	s6			S 2.9 m	PF1aAA3	5*U	STE	SCA02		
2006 03 31.88		C	10.7	TI	25.0L		5	A800	+ 1.4	s6			S 1.4 m	PF1aAA3	5*U	STE	SCA02		
2006 03 31.88		C	11.2	TI	25.0L		5	A800	+ 0.7	s6			S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.87		C	10.0	TI	25.0L		5	a780	+ 2.9	s7			S 2.9 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.87		C	10.6	TI	25.0L		5	a780	+ 1.4	s7			S 1.4 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.87		C	10.8	TI	25.0L		5	a780	+ 1.0	s7			S 1.0 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.87		C	11.1	TI	25.0L		5	a780	+ 0.7	s7			S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.87		C	11.5	TI	25.0L		5	a780	+ 0.5	s7			S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.87		C	12.4	TI	25.0L		5	a780	+ 0.2	s7			S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 04 02.87		k	9.2	TI	25.0L		5	A740	+ 2.9	s7			S 2.9 m	PF1aAA3	5*U	STE	SCA02		
2006 04 09.81		k	9.7	TI	25.0L		5	A740	+ 1.4	s7			S 1.4 m	PF1aAA3	5*U	STE	SCA02		
2006 04 09.81		k	10.0	TI	25.0L		5	A740	+ 1.0	s7			S 1.0 m	PF1aAA3	5*U	STE	SCA02		
2006 04 09.81		k	10.3	TI	25.0L		5	A740	+ 0.7	s7			S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 04 09.81		k	10.7	TI	25.0L		5	A740	+ 0.5	s7			S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 04 09.81		k	11.6	TI	25.0L		5	A740	+ 0.2	s7			S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 04 12.90		k	9.0	TI	25.0L		5	a750	+ 2.9	s7			S 2.9 m	PF1aAA3	5*U	STE	SCA02		
2006 04 12.90		k	9.3	TI	25.0L		5	a750	+ 1.4	s7			S 1.4 m	PF1aAA3	5*U	STE	SCA02		
2006 04 12.90		k	9.5	TI	25.0L		5	a750	+ 1.0	s7			S 1.0 m	PF1aAA3	5*U	STE	SCA02		
2006 04 12.90		k	9.6	TI	25.0L		5	a750	+ 0.7	s7			S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 04 12.90		k	10.1	TI	25.0L		5	a750	+ 0.5	s7			S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 04 12.90		k	10.9	TI	25.0L		5	a750	+ 0.2	s7			S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 04 20.86		k	8.5	TI	25.0L		5	A560	+ 2.9	s7			S 2.9 m	PF1aAA3	5*U	STE	SCA02		
2006 04 20.86		k	9.1	TI	25.0L		5	A560	+ 1.4	s7			S 1.4 m	PF1aAA3	5*U	STE	SCA02		
2006 04 20.86		k	9.4	TI	25.0L		5	A560	+ 1.0	s7			S 1.0 m	PF1aAA3	5*U	STE	SCA02		
2006 04 20.86		k	9.7	TI	25.0L		5	A560	+ 0.7	s7			S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 04 20.86		k	10.1	TI	25.0L		5	A560	+ 0.5	s7			S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 04 20.86		k	11.1	TI	25.0L		5	A560	+ 0.2	s7			S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 04 22.88		k	8.4	TI	25.0L		5	B100	+ 2.9	s7			S 2.9 m	PF1aAA3	5*U	STE	SCA02		
2006 04 22.88		k	9.0	TI	25.0L		5	B100	+ 1.4	s7			S 1.4 m	PF1aAA3	5*U	STE	SCA02		
2006 04 22.88		k	9.4	TI	25.0L		5	B100	+ 1.0	s7			S 1.0 m	PF1aAA3	5*U	STE	SCA02		
2006 04 22.88		k	9.7	TI	25.0L		5	B100	+ 0.7	s7			S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 04 22.88		k	10.1	TI	25.0L		5	B100	+ 0.5	s7			S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 04 22.88		k	11.0	TI	25.0L		5	B100	+ 0.2	s7			S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 04 24.88		k	8.1	TI	25.0L		5	C300	+ 2.9	s7			S 2.9 m	PF1aAA3	5*U	STE	SCA02		
2006 04 24.88		k	8.6	TI	25.0L		5	C300	+ 1.4	s7			S 1.4 m	PF1aAA3	5*U	STE	SCA02		

Comet 73P/Schwassmann-Wachmann [component C] (cont.)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 04 24.88	k		8.9	TI	25.0L	5	C300	+ 1.0	s7				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 04 24.88	k		9.2	TI	25.0L	5	C300	+ 0.7	s7				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 04 24.88	k		9.7	TI	25.0L	5	C300	+ 0.5	s7				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 04 24.88	k		10.5	TI	25.0L	5	C300	+ 0.2	s7				S 0.2	m	PF1aAA3	5*U	STE	SCA02	
2006 04 28.86	k		8.4	TI	25.0L	5	C300	+ 2.9	s7				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 04 28.86	k		9.0	TI	25.0L	5	C300	+ 1.4	s7				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 04 28.86	k		9.3	TI	25.0L	5	C300	+ 1.0	s7				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 04 28.86	k		9.6	TI	25.0L	5	C300	+ 0.7	s7				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 04 28.86	k		10.1	TI	25.0L	5	C300	+ 0.5	s7				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 04 28.86	k		10.9	TI	25.0L	5	C300	+ 0.2	s7				S 0.2	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.86	k		6.6	TI	25.0L	5	C000	+ 8.6	s5				S 8.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.86	k		6.7	TI	25.0L	5	C000	+ 7.3	s5				S 7.3	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.86	k		6.9	TI	25.0L	5	C000	+ 5.6	s5				S 5.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.86	k		7.4	TI	25.0L	5	C000	+ 2.9	s5				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.86	k		8.0	TI	25.0L	5	C000	+ 1.4	s5				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.86	k		8.4	TI	25.0L	5	C000	+ 1.0	s5				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.86	k		8.6	TI	25.0L	5	C000	+ 0.7	s5				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.86	k		9.1	TI	25.0L	5	C000	+ 0.5	s5				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 05 01.86	k		9.9	TI	25.0L	5	C000	+ 0.2	s5				S 0.2	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.88	k		6.8	TI	25.0L	5	a600	+ 8.6	s6				S 8.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.88	k		7.0	TI	25.0L	5	a600	+ 7.3	s6				S 7.3	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.88	k		7.2	TI	25.0L	5	a600	+ 5.6	s6				S 5.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.88	k		7.8	TI	25.0L	5	a600	+ 2.9	s6				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.88	k		8.5	TI	25.0L	5	a600	+ 1.4	s6				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.88	k		8.8	TI	25.0L	5	a600	+ 1.0	s6				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.88	k		9.1	TI	25.0L	5	a600	+ 0.7	s6				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.88	k		9.6	TI	25.0L	5	a600	+ 0.5	s6				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 05 04.88	k		10.6	TI	25.0L	5	a600	+ 0.2	s6				S 0.2	m	PF1aAA3	5*U	STE	SCA02	
2006 05 06.90	k		6.7	TI	25.0L	5	A800	+ 8.6	s6				S 8.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 06.90	k		6.8	TI	25.0L	5	A800	+ 7.3	s6				S 7.3	m	PF1aAA3	5*U	STE	SCA02	
2006 05 06.90	k		7.0	TI	25.0L	5	A800	+ 5.6	s6				S 5.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 06.90	k		7.5	TI	25.0L	5	A800	+ 2.9	s6				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 05 06.90	k		8.0	TI	25.0L	5	A800	+ 1.4	s6				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 05 06.90	k		8.4	TI	25.0L	5	A800	+ 1.0	s6				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 05 06.90	k		8.7	TI	25.0L	5	A800	+ 0.7	s6				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 05 06.90	k		9.1	TI	25.0L	5	A800	+ 0.5	s6				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 05 06.90	k		9.9	TI	25.0L	5	A800	+ 0.2	s6				S 0.2	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.96	k		6.8	TI	25.0L	5	a600	+ 8.6	s6				S 8.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.96	k		6.9	TI	25.0L	5	a600	+ 7.3	s6				S 7.3	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.96	k		7.1	TI	25.0L	5	a600	+ 5.6	s6				S 5.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.96	k		7.6	TI	25.0L	5	a600	+ 2.9	s6				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.96	k		8.2	TI	25.0L	5	a600	+ 1.4	s6				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.96	k		8.5	TI	25.0L	5	a600	+ 1.0	s6				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.96	k		8.8	TI	25.0L	5	a600	+ 0.7	s6				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.96	k		9.2	TI	25.0L	5	a600	+ 0.5	s6				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 05 08.96	k		10.2	TI	25.0L	5	a600	+ 0.2	s6				S 0.2	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.99	k		6.4	TI	25.0L	5	a600	+ 8.6	s6				S 8.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.99	k		6.5	TI	25.0L	5	a600	+ 7.3	s6				S 7.3	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.99	k		6.7	TI	25.0L	5	a600	+ 5.6	s6				S 5.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.99	k		7.3	TI	25.0L	5	a600	+ 2.9	s6				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.99	k		8.0	TI	25.0L	5	a600	+ 1.4	s6				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.99	k		8.4	TI	25.0L	5	a600	+ 1.0	s6				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.99	k		8.7	TI	25.0L	5	a600	+ 0.7	s6				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.99	k		9.1	TI	25.0L	5	a600	+ 0.5	s6				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 05 11.99	k		10.0	TI	25.0L	5	a600	+ 0.2	s6				S 0.2	m	PF1aAA3	5*U	STE	SCA02	
2006 05 14.02	k		6.5	TI	25.0L	5	a450	+ 8.6	s6				S 8.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 14.02	k		6.7	TI	25.0L	5	a450	+ 7.3	s6				S 7.3	m	PF1aAA3	5*U	STE	SCA02	
2006 05 14.02	k		6.9	TI	25.0L	5	a450	+ 5.6	s6				S 5.6	m	PF1aAA3	5*U	STE	SCA02	
2006 05 14.02	k		7.4	TI	25.0L	5	a450	+ 2.9	s6				S 2.9	m	PF1aAA3	5*U	STE	SCA02	
2006 05 14.02	k		8.0	TI	25.0L	5	a450	+ 1.4	s6				S 1.4	m	PF1aAA3	5*U	STE	SCA02	
2006 05 14.02	k		8.4	TI	25.0L	5	a450	+ 1.0	s6				S 1.0	m	PF1aAA3	5*U	STE	SCA02	
2006 05 14.02	k		8.7	TI	25.0L	5	a450	+ 0.7	s6				S 0.7	m	PF1aAA3	5*U	STE	SCA02	
2006 05 14.02	k		9.2	TI	25.0L	5	a450	+ 0.5	s6				S 0.5	m	PF1aAA3	5*U	STE	SCA02	
2006 05 14.02	k		10.2	TI	25.0L	5	a450	+ 0.2	s6				S 0.2	m	PF1aAA3	5*U	STE	SCA02	
2006 05 19.10	k		6.6	TI	25.0L	5	a450	+ 8.6	s6				S 8.6	m	PF1aAA3	5*U	STE	SCA02	

Comet 73P/Schwassmann-Wachmann [component C] (cont.)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 05 19.10		k	6.7	TI	25.0L	5	a450	+ 7.3	s6				S 7.3 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.10		k	6.9	TI	25.0L	5	a450	+ 5.6	s6				S 5.6 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.10		k	7.4	TI	25.0L	5	a450	+ 2.9	s6				S 2.9 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.10		k	7.9	TI	25.0L	5	a450	+ 1.4	s6				S 1.4 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.10		k	8.3	TI	25.0L	5	a450	+ 1.0	s6				S 1.0 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.10		k	8.6	TI	25.0L	5	a450	+ 0.7	s6				S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.10		k	8.9	TI	25.0L	5	a450	+ 0.5	s6				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 05 19.10		k	9.8	TI	25.0L	5	a450	+ 0.2	s6				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 08 04.80	sx	C	13.1	GA	15.0L	6	a240	1.1			11 m250		C 1.1 m	K26 SI5	5	ST9	YOS02		
2006 09 19.66	ax	C	14.4	HV	35.0C	10	a 90	0.5	5				S 1.24m	KAIaSI4	5	ST2	TSU02		
2006 10 16.56	x	C	15.3	GA	15.0L	6	a240	0.7					C 0.7 m	K26 SI5	5	ST9	YOS02		

Comet 77P/Longmore

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 09 27.46	E	R	[22.5	LA	154	C	13	a600	! 0.05	9				C	F48	IRA	3*P		HER02

Comet 78P/Gehrels

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2004 08 26.02		C	14.1	UD	13.0L	7	70	0.5	7		0.05	255	S 1.50m	KAIaA32	3	ST7	RES		

Comet 102P/Shoemaker

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 07 06.01	d	k	[17.6	LB	14.5L	8	a800						C 0.30m	K40 GAI	5*	ST7	SRB		
2006 07 19.99	d	k	[17.0	LB	14.5L	8	a800						C 0.30m	K40 GAI	5*	ST7	SRB		
2006 09 19.70	ax	C	19.0	HV	35.0C	10	B700	0.3					S 0.35m	KAIaSI4	5	ST2	TSU02		

Comet 112P/Urata-Nijima

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 09 19.74	ax	C	17.4	HV	35.0C	10	a960	0.2	4				S 0.51m	KAIaSI4	5	ST2	TSU02		
2006 10 16.64	x	C	16.5	TJ	15.0L	6	a720	0.4					C 0.4 m	K26 SI5	5	ST9	YOS02		

Comet 116P/Wild

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 10 16.27	E	R	21.2	LA	154	C	13	A200	0.05	8			C 5 s	F48	IRA	3*P		HER02	

Comet 117P/Helin-Roman-Alu

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 08 14.61	ax	C	14.0	HV	35.0C	10	a 90	0.4	5		2.0m255		S 1.14m	KAIaSI4	5	ST2	TSU02		
2006 09 01.58	ax	C	14.1	HV	35.0C	10	a 90						S 0.97m	KAIaSI4	5	ST2	TSU02		
2006 09 19.58	ax	C	14.4	HV	35.0C	10	a 90	0.5	5				S 1.06m	KAIaSI4	5	ST2	TSU02		
2006 09 23.55	ax	C	13.8	HV	35.0C	10	a120	0.6	5				S 1.88m	KAIaSI4	5	ST2	TSU02		
2006 10 16.51	x	C	14.3	GA	15.0L	6	a240	0.9			2.2m250		C 0.9 m	K26 SI5	5	ST9	YOS02		

Comet 124P/Mrkos

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 09 27.40	E	R	21.5	LA	154	C	13	A200	0.05	9			C 4 s	F48	IRA	3*P		HER02	
2006 10 16.25	E	R	20.9	LA	154	C	13	A600	0.05	9			C 5 s	F48	IRA	3*P		HER02	

Comet 172P/Yeung

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 09 27.48	E	R	20.7	LA	154	C	13	a720	0.05	9			C 4 s	F48	IRA	3*P		HER02	
2006 10 16.41	E	R	20.7	LA	154	C	13	a600	0.05	9			C 5 s	F48	IRA	3*P		HER02	

Comet 177P/Barnard

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 07 16.91	d	k	13.2	LB	14.5L	8	a800	1.6					C 1.60m	K40	GAI	5*	ST7	SRB	
2006 07 16.91	d	k	14.5	LB	14.5L	8	a800	1.6					C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 16.91	d	k	14.8	LB	14.5L	8	a800	1.6					C 0.30m	K40	GAI	5*	ST7	SRB	
2006 07 16.91	d	k	15.5	LB	14.5L	8	a800	1.6					C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 18.96	d	k	11.5	LB	14.5L	8	a800	1.8					C 3.25m	K40	GAI	5*	ST7	SRB	
2006 07 18.96	d	k	12.2	LB	14.5L	8	a800	1.8					C 1.85m	K40	GAI	5*	ST7	SRB	
2006 07 18.96	d	k	12.3	LB	14.5L	8	a800	1.8					C 1.60m	K40	GAI	5*	ST7	SRB	
2006 07 18.96	d	k	13.2	LB	14.5L	8	a800	1.8					C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 18.96	d	k	14.3	LB	14.5L	8	a800	1.8					C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 18.96	d	k	15.3	LB	14.5L	8	a800	1.8					C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 19.94	d	k	12.8	LB	14.5L	8	a800	1.6					C 2.05m	K40	GAI	5*	ST7	SRB	
2006 07 19.94	d	k	12.9	LB	14.5L	8	a800	1.6					C 1.60m	K40	GAI	5*	ST7	SRB	
2006 07 19.94	d	k	13.6	LB	14.5L	8	a800	1.6					C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 19.94	d	k	14.3	LB	14.5L	8	a800	1.6					C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 19.94	d	k	15.4	LB	14.5L	8	a800	1.6					C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 20.93	d	k	12.7	LB	14.5L	8	a800	2.0					C 2.05m	K40	GAI	5*	ST7	SRB	
2006 07 20.93	d	k	12.9	LB	14.5L	8	a800	2.0					C 1.60m	K40	GAI	5*	ST7	SRB	
2006 07 20.93	d	k	13.6	LB	14.5L	8	a800	2.0					C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 20.93	d	k	14.5	LB	14.5L	8	a800	2.0					C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 20.93	d	k	15.5	LB	14.5L	8	a800	2.0					C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 25.98	d	k	12.7	LB	14.5L	8	a800	2.3					C 2.35m	K40	GAI	5*	ST7	SRB	
2006 07 25.98	d	k	12.9	LB	14.5L	8	a800	2.3					C 1.60m	K40	GAI	5*	ST7	SRB	
2006 07 25.98	d	k	13.5	LB	14.5L	8	a800	2.3					C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 25.98	d	k	14.3	LB	14.5L	8	a800	2.3					C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 25.98	d	k	15.4	LB	14.5L	8	a800	2.3					C 0.20m	K40	GAI	5*	ST7	SRB	
2006 08 14.51	ax	C	9.4	HV	10.0R	4	a120	6.0	4				S13.64m	KAIaSI4	5		ST2	TSU02	
2006 09 19.50	ax	C	10.1	HV	10.0R	4	a120	5.0	4				S10.33m	KAIaSI4	5		ST2	TSU02	
2006 10 16.47	x	C	12.6	GA	15.0L	6	a240	3.1					C 3.1 m	K26	SI5	5	ST9	YOS02	

Comet P/1998 S1 (LINEAR-Mueller)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 09 27.13	E	R	[22.5	LA	154	C	13	a840	!	0.05	9		C	s	F48	IRA	3*P		HERO2

Comet P/1999 WJ_7 (Korlević)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 09 27.11	E	R	[22.5	LA	154	C	13	B400	!	0.05	9		C	s	F48	IRA	3*P		HERO2

Comet C/2002 VQ_94 (LINEAR)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 06 13.93	d	k	[16.8	LB	14.5L	8	a800						C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 05.91	d	k	[17.4	LB	14.5L	8	a800						C 0.30m	K40	GAI	5*	ST7	SRB	
2006 07 16.96	d	k	[17.8	LB	14.5L	8	a800						C 0.30m	K40	GAI	5*	ST7	SRB	

Comet C/2003 K4 (LINEAR)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2004 03 25.16	P		12.0	TK	21.0L	5	a600			8									KUG

Comet C/2003 WT_42 (LINEAR)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 01 25.83	C		14.7	TI	25.0L	5	D080	+ 0.5	s6		3	m265	S 0.4 m	PF1aAA3	5*U	STE	SCA02		
2006 01 25.83	C		15.0	TI	25.0L	5	D080	+ 0.3	s6		3	m265	S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 01 25.83	C		16.0	TI	25.0L	5	D080	+ 0.1	s6		3	m265	S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 02 01.79	C		14.7	TI	25.0L	5	D080	+ 0.9	s6	&	3	m265	S 0.9 m	PF1aAA3	5*U	STE	SCA02		
2006 02 01.79	C		14.8	TI	25.0L	5	D080	+ 0.7	s6	&	3	m265	S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 02 01.79	C		14.9	TI	25.0L	5	D080	+ 0.6	s6	&	3	m265	S 0.6 m	PF1aAA3	5*U	STE	SCA02		
2006 02 01.79	C		14.9	TI	25.0L	5	D080	+ 0.5	s6	&	3	m265	S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 02 01.79	C		15.3	TI	25.0L	5	D080	+ 0.3	s6	&	3	m265	S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 02 01.79	C		16.5	TI	25.0L	5	D080	+ 0.1	s6	&	3	m265	S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 02 19.86	C		14.8	TI	25.0L	5	A380	+ 0.6	s6	&	3	m270	S 0.6 m	PF1aAA3	5*U	STE	SCA02		

Comet C/2003 WT_42 (LINEAR) [cont.]

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 02 19.86		C	15.3	TI	25.0L	5	A380	+ 0.3	s6		& 3	m270	S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 02 19.86		C	16.4	TI	25.0L	5	A380	+ 0.1	s6		& 3	m270	S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 03 03.83		C	14.7	TI	25.0L	5	A200	+ 0.7	s6				S 0.7 m	PF1aAA3	5*U	STE	SCA02		
2006 03 03.83		C	15.3	TI	25.0L	5	A200	+ 0.3	s6				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 03 03.83		C	16.4	TI	25.0L	5	A200	+ 0.1	s6				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 03 27.86		C	15.3	TI	25.0L	5	a600	+ 0.3	s6				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 03 27.86		C	15.6	TI	25.0L	5	a600	+ 0.2	s6				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 03 27.86		C	16.2	TI	25.0L	5	a600	+ 0.1	s6				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 03 31.85		C	15.0	TI	25.0L	5	A800	+ 0.5	s6				S 0.5 m	PF1aAA3	5*U	STE	SCA02		
2006 03 31.85		C	15.2	TI	25.0L	5	A800	+ 0.3	s6				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 03 31.85		C	15.4	TI	25.0L	5	A800	+ 0.2	s6				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 05 18.85		C	15.3	TI	25.0L	5	a510	+ 0.4	s5				S 0.3 m	PF1aAA3	5*U	STE	SCA02		
2006 05 18.85		C	15.5	TI	25.0L	5	a510	+ 0.3	s5				S 0.2 m	PF1aAA3	5*U	STE	SCA02		
2006 05 18.85		C	15.8	TI	25.0L	5	a510	+ 0.2	s5				S 0.1 m	PF1aAA3	5*U	STE	SCA02		
2006 07 02.89	d	k	15.0	LB	14.5L	8	a800	0.6					C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 02.89	d	k	15.4	LB	14.5L	8	a800	0.6					C 0.60m	K40	GAI	5*	ST7	SRB	
2006 07 02.89	d	k	15.6	LB	14.5L	8	a800	0.6					C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 02.89	d	k	15.8	LB	14.5L	8	a800	0.6					C 0.30m	K40	GAI	5*	ST7	SRB	
2006 07 02.89	d	k	16.3	LB	14.5L	8	a800	0.6					C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 05.89	d	k	14.9	LB	14.5L	8	a800	0.6					C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 05.89	d	k	15.0	LB	14.5L	8	a800	0.6					C 0.60m	K40	GAI	5*	ST7	SRB	
2006 07 05.89	d	k	15.3	LB	14.5L	8	a800	0.6					C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 05.89	d	k	16.1	LB	14.5L	8	a800	0.6					C 0.20m	K40	GAI	5*	ST7	SRB	

Comet C/2004 B1 (LINEAR)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2004 10 23.02		C	15.8	UD	13.0L	7	a210	0.4		3			S 1.50m	KAIaA32	3		ST7	RES	
2006 07 05.96	d	k	13.9	LB	14.5L	8	a800	1.1					C 1.10m	K40	GAI	5*	ST7	SRB	
2006 07 05.96	d	k	14.1	LB	14.5L	8	a800	1.1					C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 05.96	d	k	14.8	LB	14.5L	8	a800	1.1					C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 05.96	d	k	15.7	LB	14.5L	8	a800	1.1					C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 12.89	d	k	13.0	LB	14.5L	8	a800	1.5					C 2.05m	K40	GAI	5*	ST7	SRB	
2006 07 12.89	d	k	13.4	LB	14.5L	8	a800	1.5					C 1.50m	K40	GAI	5*	ST7	SRB	
2006 07 12.89	d	k	14.2	LB	14.5L	8	a800	1.5					C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 12.89	d	k	15.0	LB	14.5L	8	a800	1.5					C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 12.89	d	k	16.1	LB	14.5L	8	a800	1.5					C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 16.88	d	k	14.8	LB	14.5L	8	a800	1.2					C 1.20m	K40	GAI	5*	ST7	SRB	
2006 07 16.88	d	k	14.8	LB	14.5L	8	a800	1.2					C 1.60m	K40	GAI	5*	ST7	SRB	
2006 07 16.88	d	k	14.9	LB	14.5L	8	a800	1.2					C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 16.88	d	k	15.6	LB	14.5L	8	a800	1.2					C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 16.88	d	k	16.4	LB	14.5L	8	a800	1.2					C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 18.94	d	k	14.0	LB	14.5L	8	a800	0.8					C 1.20m	K40	GAI	5*	ST7	SRB	
2006 07 18.94	d	k	14.5	LB	14.5L	8	a800	0.8					C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 18.94	d	k	15.2	LB	14.5L	8	a800	0.8					C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 18.94	d	k	16.3	LB	14.5L	8	a800	0.8					C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 20.95	d	k	15.6	LB	14.5L	8	a760	0.7					C 0.30m	K40	GAI	5*	ST7	SRB	
2006 07 20.95	d	k	16.3	LB	14.5L	8	a760	0.7					C 0.20m	K40	GAI	5*	ST7	SRB	
2006 07 25.98	d	k	14.0	LB	14.5L	8	a800	0.6					C 1.20m	K40	GAI	5*	ST7	SRB	
2006 07 25.98	d	k	14.6	LB	14.5L	8	a800	0.6					C 0.80m	K40	GAI	5*	ST7	SRB	
2006 07 25.98	d	k	15.1	LB	14.5L	8	a800	0.6					C 0.60m	K40	GAI	5*	ST7	SRB	
2006 07 25.98	d	k	15.5	LB	14.5L	8	a800	0.6					C 0.40m	K40	GAI	5*	ST7	SRB	
2006 07 25.98	d	k	16.4	LB	14.5L	8	a800	0.6					C 0.20m	K40	GAI	5*	ST7	SRB	
2006 08 14.48	axC		16.2	HV	35.0C	10	a360	0.3		5			S 0.61m	KAIaSI4	5		ST2	TSU02	
2006 09 01.48	axC		16.1	HV	35.0C	10	a540						S 0.89m	KAIaSI4	5		ST2	TSU02	

Comet C/2004 L2 (LINEAR)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 09 19.78	axC		16.6	HV	35.0C	10	a360	0.3		4			S 0.63m	KAIaSI4	5		ST2	TSU02	

Comet C/2004 Q1 (Tucker)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2004 10 08.90		C	12.5	UD	13.0L	7	a	60	1.4	5			S 2.50m	KAIaA32	2			ST7	RES
2004 10 12.87		C	12.2	UD	13.0L	7	a	65	1.5	6			S 2.50m	KAIaA32	2			ST7	RES
2004 10 13.86		C	12.3	UD	13.0L	7	a	65	1.5	6			S 1.50m	KAIaA32	2			ST7	RES

Comet C/2004 S1 (Van Ness)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2004 10 10.05		C	14.9	UD	13.0L	7	a	120	1.0	2			S 1.50m	KAIaA32	2			ST7	RES
2004 10 12.79		C	14.5	UD	13.0L	7	a	130	1.5	2			S 2.00m	KAIaA32	2			ST7	RES
2004 10 13.78		C	14.5	UD	13.0L	7	a	120	1.3	2			S 1.50m	KAIaA32	2			ST7	RES
2004 10 21.86		C	14.2	UD	13.0L	7	a	40	1.2	2			S 1.50m	KAIaA32	3			ST7	RES

Comet P/2004 T1 (LINEAR-NEAT)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2004 10 07.85		C	14.6	UD	13.0L	7	a	110	0.8	3			S 1.50m	KAIaA32	2			ST7	RES
2004 10 12.83		C	14.3	UD	13.0L	7	a	110	0.7	3			S 1.50m	KAIaA32	2			ST7	RES
2004 10 13.82		C	14.7	UD	13.0L	7	a	110	0.9	3			S 1.50m	KAIaA32	2			ST7	RES
2004 10 25.75		C	13.6	UD	13.0L	7	a	70	0.8	6			S 2.50m	KAIaA32	2			ST7	RES
2004 12 06.81		C	16.1	UD	7.5A	7	a	350	0.6	2			S 2.50m	KAIaA32	3			ST7	RES

Comet C/2005 B1 (Christensen)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 09 01.60		axC	16.3	HV	35.0C	10	a	360					S 0.33m	KAIaSI4	5			ST2	TSU02
2006 09 19.60		axC	16.5	HV	35.0C	10	a	90	0.3	5			S 0.58m	KAIaSI4	5			ST2	TSU02

Comet C/2005 E2 (McNaught)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 09 19.82	x	C	15.7	TJ	15.0L	6	a	240	0.7		8	m301	C 0.7 m	K26	SI5	5		ST9	YOS02

Comet P/2005 R2 (Van Ness)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2005 10 25.91		C	14.1	TI	25.0L	5	a	900 +	1.0	3			S 1.0m	PF1aAfP	5*U		STE	SCA02	
2005 10 25.91		C	14.7	TI	25.0L	5	a	900 +	0.6	3			S 0.6m	PF1aAfP	5*U		STE	SCA02	
2005 10 25.91		C	15.3	TI	25.0L	5	a	900 +	0.3	3			S 0.3m	PF1aAfP	5*U		STE	SCA02	
2005 10 27.83		C	14.1	TI	25.0L	5	a	900 +	1.0	4			S 1.0m	PF1aAfP	5*U		STE	SCA02	
2005 10 27.83		C	14.8	TI	25.0L	5	a	900 +	0.6	4			S 0.6m	PF1aAfP	5*U		STE	SCA02	
2005 10 27.83		C	15.3	TI	25.0L	5	a	900 +	0.3	4			S 0.3m	PF1aAfP	5*U		STE	SCA02	
2005 11 04.83		C	13.4	TI	25.0L	5	a	900 +	1.2	3			S 1.2m	PF1aAfP	5*U		STE	SCA02	
2005 11 04.83		C	14.5	TI	25.0L	5	a	900 +	0.6	3			S 0.6m	PF1aAfP	5*U		STE	SCA02	
2005 11 04.83		C	15.3	TI	25.0L	5	a	900 +	0.3	3			S 0.3m	PF1aAfP	5*U		STE	SCA02	
2005 11 09.84		C	14.1	TI	25.0L	5	a	570 +	1.0	4			S 1.0m	PF1aAfP	5*U		STE	SCA02	
2005 11 09.84		C	14.9	TI	25.0L	5	a	570 +	0.6	4			S 0.6m	PF1aAfP	5*U		STE	SCA02	
2005 11 09.84		C	16.0	TI	25.0L	5	a	570 +	0.2	4			S 0.2m	PF1aAfP	5*U		STE	SCA02	
2005 11 10.78		C	14.5	TI	25.0L	5	a	750 +	1.0	2			S 1.0m	PF1aAfP	5*U		STE	SCA02	
2005 11 10.78		C	15.0	TI	25.0L	5	a	750 +	0.6	2			S 0.6m	PF1aAfP	5*U		STE	SCA02	
2005 11 10.78		C	16.0	TI	25.0L	5	a	750 +	0.1	2			S 0.2m	PF1aAfP	5*U		STE	SCA02	
2006 03 03.76		C	15.3	TI	25.0L	5	A	020 +	0.6	8			S 0.6m	PF1aAfP	5*U		STE	SCA02	
2006 03 03.76		C	15.8	TI	25.0L	5	A	020 +	0.3	8			S 0.3m	PF1aAfP	5*U		STE	SCA02	
2006 03 03.76		C	16.3	TI	25.0L	5	A	020 +	0.1	8			S 0.1m	PF1aAfP	5*U		STE	SCA02	

Comet C/2006 A1 (Pojmanski)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 07 02.97	d	k	17.1	LB	14.5L	8	a	800					C 0.30m	K40	GAI	5*		ST7	SRB

Comet P/2006 HR_30 (Siding Spring)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 08 04.75	x	C	15.0	GA	15.0L	6	a	240		9			C 0.5 m	K26	SI5	5		ST9	YOS02
2006 08 14.59	axC		15.5	HV	35.0C	10	a	90	<	0.2			S 0.27m	KAIaSI4	5			ST2	TSU02
2006 09 01.56	axC		15.0	HV	35.0C	10	a	60	<	0.2			S 0.30m	KAIaSI4	5			ST2	TSU02

Comet P/2006 HR_30 (Siding Spring) [cont.]

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 09 19.56	axC		14.9	HV	35.0C	10	a	60	< 0.2				S 0.33m	KAIa	SI4	5		ST2	TSU02
2006 09 23.47	axC		15.3	HV	35.0C	10	a	60	< 0.2				S 0.24m	KAIa	SI4	5		ST2	TSU02
2006 09 27.14	E R		14.5	LA	154 C	13	a	60	0.05	9			C 4 s	F48	IRA	3	P		HER02
2006 10 16.53	x C		14.9	TJ	15.0L	6	a	240		9			C 0.5 m	K26	SI5	5		ST9	YOS02

Comet C/2006 K4 (NEAT)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 07 02.96	d k		16.6	LB	14.5L	8	a	800					C 0.30m	K40	GAI	5*		ST7	SRB
2006 07 12.91	d k		16.3	LB	14.5L	8	a	800					C 0.30m	K40	GAI	5*		ST7	SRB

Comet C/2006 L2 (McNaught)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 08 14.45	axC		14.6	HV	35.0C	10	a	360	0.4	5			S 1.32m	KAIa	SI4	5		ST2	TSU02
2006 09 01.44	axC		14.6	HV	35.0C	10	a	90					S 0.88m	KAIa	SI4	5		ST2	TSU02

Comet C/2006 M1 (LINEAR)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 07 12.87	d k		17.9	LB	14.5L	8	a	800					C 0.30m	K40	GAI	5*		ST7	SRB
2006 07 16.93	d k		17.8	LB	14.5L	8	a	800					C 0.30m	K40	GAI	5*		ST7	SRB
2006 07 18.98	d k		17.0	LB	14.5L	8	a	800					C 0.30m	K40	GAI	5*		ST7	SRB
2006 07 19.96	d k		17.3	LB	14.5L	8	a	800					C 0.30m	K40	GAI	5*		ST7	SRB

Comet C/2006 M4 (SWAN)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 09 18.81	C		7.9	TJ	25.0L	5	a	40	3.5		4	m335	S 3.5 m	K26	SI4	5*U		ST9	KAD02
2006 09 19.83	x C		8.1	TJ	15.0L	6	a	180	3.6		14	m335	C 3.6 m	K26	SI5	5		ST9	YOS02
2006 10 31.41	x C		7.0	TJ	5.4A	6	a	60	5.6				S11.9 m	K16	SI3	5		MCV	NAG08

Comet C/2006 P1 (McNaught)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 09 23.44	axC		14.6	HV	35.0C	10	a	360	0.4	5			S 0.81m	KAIa	SI4	5		ST2	TSU02
2006 10 10.42	x C		13.8	GA	15.0L	6	a	240	1.3				C 1.3 m	K26	SI5	5		ST9	YOS02

Comet P/2006 R2 (Christensen)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 09 23.57	axC		17.9	HV	35.0C	10	a	960	0.2	3			S 0.60m	KAIa	SI4	5		ST2	TSU02

Comet P/2006 S1 (Christensen)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 09 23.58	axC		17.2	HV	35.0C	10	a	360	0.2	5	1.0m	240	S 0.85m	KAIa	SI4	5		ST2	TSU02

Comet P/2006 T1 (Levy)

DATE (UT)	n	M	MAG.	RF	AP.	T	f/	EXP.	COMA	DC	TAIL	PA	APERTUR	Chp	Sfw	C	P	Cam	OBS.
2006 10 16.82	x C		10.9	TJ	5.4A	6	a	60	1.2				S 4.5 m	K16	SI3	5		MCV	NAG08

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DESIGNATIONS OF RECENT COMETS

Listed below, for handy reference, are the last 20 comets (non-spacecraft) to have been given designations. The name, preceded by a star (*) if the comet was a new discovery (compared to a recovery from predictions of a previously-known short-period comet) or a # if a re-discovery of a 'lost' comet. Also tabulated below are such values as the orbital period (in years) for periodic comets, date of perihelion, T (month/date/year), and the perihelion distance (q , in AU). Four-digit numbers in the last column indicate the *IAU Circular* (4-digit number) containing the discovery/recovery or permanent-number announcement. (Additional explanatory information is given for the list in the Apr. 2005 issue, p. 137.) [Update of list in the Jly 2006 issue, p. 128].

	<i>New-Style Designation</i>	<i>P</i>	<i>T</i>	<i>q</i>	<i>IAUC</i>
*	P/2006 HR ₃₀ (Siding Spring)	21.9	1/2/07	1.23	8735
*	P/2006 S1 (Christensen)	6.54	8/30/06	1.36	8749
*	C/2006 S2 (LINEAR)		5/7/07	3.16	8750
*	C/2006 S3 (LONEOS)		4/17/12	5.15	8752
*	P/2006 S4 (Christensen)	15.6	6/1/06	3.07	8753
*	C/2006 S5 (Hill)		12/9/07	2.63	8755
*	P/2006 S6 (Hill)	8.51	10/18/06	2.40	8755
*	C/2006 OF ₂ (Broughton)		9/15/08	2.43	8756
*	P/2006 T1 (Levy)	5.24	10/7/06	0.99	8757
*	C/2005 YW (LINEAR)		12/7/06	1.99	8760