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COMET C/2006 S5 (HILL)

R. E. Hill reports his discovery of a comet on images taken in the course of the Catalina Sky Survey with the 0.68-m Schmidt telescope (discovery observation tabulated below), the object described as having a tail $\sim 10''$ long to the southwest.

2006 UT	α_{2000}	δ_{2000}	Mag.
Sept.28.28000	$0^h50^m22^s.81$	$+19^\circ01'40''.8$	18.6

Additional astrometry reported following posting on the 'NEO Confirmation Page', the following preliminary parabolic orbital elements, and an ephemeris appear on *MPEC* 2006-S84.

$$T = 2007 \text{ Dec. } 24.713 \text{ TT} \qquad \omega = 183^\circ.411$$
$$\Omega = 283.471 \quad 2000.0$$
$$q = 2.54479 \text{ AU} \qquad i = 10.189$$

COMET P/2006 S6 (HILL)

Hill reports his discovery of another comet on images taken with the Catalina 0.68-m Schmidt telescope, this one having a tail $\sim 10''$–$15''$ long to the west-southwest.

2006 UT	α_{2000}	δ_{2000}	Mag.
Sept.28.40022	$3^h04^m27^s.33$	$+25^\circ59'37''.4$	18.7

Additional astrometry reported following posting on the 'NEO Confirmation Page' [including prediscovery observations from Catalina (Aug. 29, Sept. 18) and from LINEAR (Sept. 18)], the following elliptical orbital elements, and an ephemeris appear on *MPEC* 2006-S85.

$$T = 2006 \text{ Oct. } 18.054 \text{ TT} \qquad \omega = 31^\circ.181$$
$$e = 0.42491 \qquad \Omega = 9.070 \quad 2000.0$$
$$q = 2.39862 \text{ AU} \qquad i = 13.178$$
$$a = 4.17087 \text{ AU} \qquad n^\circ = 0.115708 \qquad P = 8.52 \text{ years}$$

SUPERNOVAE 2006gi IN NGC 3147

G. Duszanowicz, Akersberga, Sweden, provides the following prediscovery unfiltered CCD red magnitudes of 2006gi (cf. *IAUC* 8751): Aug. 31.89 UT, 18.1; Sept. 12.88, 16.1; 14.97, 16.0.

  Daniel W. E. Green