Circular No. 8922

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URL `http://www.cfa.harvard.edu/iau/cbat.html` ISSN 0081-0304
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2006 SF$_{369}$

K. S. Noll and S. D. Kern, Space Telescope Science Institute (STScI); W. M. Grundy, Lowell Observatory; H. F. Levison, Southwest Research Institute; and E. A. Barker, STScI, report that the 1:3 Neptune-librating transneptunian object 2006 SF$_{369}$ (cf. *MPEC* 2006-U61) is a binary. One 260-s exposure was made at each of four dithered positions on the detector during 2007 Nov. 13.3563–13.3868 UT with the Planetary Camera of the Wide Field Planetary Camera 2 on the Hubble Space Telescope (HST), using the F606W filter (wide V); these exposures show two components for 2006 SF$_{369}$ that were separated by an angular distance of $0''.109 \pm 0''.003$ and were nearly equal in brightness (differing by < 0.1 mag). The fainter component was located at $-0''.019 \pm 0''.002$ in α and $-0''.107 \pm 0''.002$ in δ from the brighter component. One of three objects known or suspected to be in 1:3 resonance with Neptune [the others being (136120) 2003 LG$_7$ (*MPEC* 2005-L33) and 2005 EO$_{297}$ (Deep Ecliptic Survey integration)] and which have been observed with HST, 2006 SF$_{369}$ is the only detected binary.

(119067) 2001 KP$_{76}$ AND (160091) 2000 OL$_{67}$

F. Marchis and M. Baek, Carl Sagan Center, SETI Institute; and J. Berthier, P. Descamps, and F. Vachier, Institut de Mécanique Céleste et de Calcul des Éphémérides, Paris; jointly with K. S. Noll and S. D. Kern, Space Telescope Science Institute; and W. M. Grundy, Lowell Observatory, report on companions to the cubewanos (119067) 2001 KP$_{76}$ [cf. *MPEC* 2001-M60, *MPO* 88168] and (160091) 2000 OL$_{67}$ [cf. *MPEC* 2000-T41, *MPO* 121405]. Observations of (119067) were made during 2007 May 8.576–8.597 UT with the HST as noted above; the processed image (the result of four dithered positions on the detector, as described above) shows two components separated by $0''.29$ in p.a. 276° and having a brightness difference of only 0.1 magnitude. A companion was detected around (160091) in HST observations taken as above between 2007 June 26.514 and 26.487; a brightness difference of 0.6 magnitude is clearly visible for the two components in the processed image (processed as above), and its separation is $0''.26$ in p.a. 277°, corresponding to a projected distance of 7800 km.

COMET C/2007 T1 (McNAUGHT)

Total visual magnitude estimates by D. A. J. Seargent, Cowra, N.S.W. (25×100 binoculars): 2007 Nov. 10.42 UT, 9.7; 2008 Jan. 8.45, 8.7; 11.48, 8.3; Feb. 7.48, 8.7; 9.47, 8.8.

  Daniel W. E. Green