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V476 SCUTI = NOVA SCUTI 2005

N. N. Samus, Russian Academy of Sciences, informs us that the designation V476 Sct has been given to this nova (cf. *IAUC* 8607).

L. Kiss, University of Sydney; M. Bessel, Australian National University (ANU); and A. Retter, Pennsylvania State University, report that a low-resolution spectrogram (0.27 nm/pixel, range 550–1050 nm), taken with the ANU 2.3-m telescope (+ Double-Beam Spectrograph) at Siding Spring Observatory on Oct. 6.36 UT, shows that V476 Sct is a classical nova. Strong emission lines of hydrogen, oxygen, calcium, magnesium, carbon, and iron can be identified. The prominent H α emission line has a symmetric profile with FWZI exceeding 4000 km/s. The strongest emission lines include H α , the O I 777.3-, 844.6-, and 926.4-nm lines, members of the hydrogen Paschen series, the infrared Ca triplet, and the C I 940.6-nm line, all with FWZI > 2000 km/s. The overall spectral appearance is similar to that of V443 Sct (N Sct 1989), two weeks after its maximum (Williams *et al.* 1991, *Ap.J.* **376**, 721).

Visual magnitude estimates: Oct. 1.208 UT, 11.8 (M. Linnolt, Woodside, CA); 1.812, 11.5 (K. Hornoch, Lelekovice, Czech Republic); 1.91, 11.9 (J. M. San Juan, Avila, Spain); 2.82, 11.5 (J. Carvajal, Madrid, Spain); 3.82, 11.6 (Carvajal).

COMET C/2005 S1 (SOHO)

Further to *IAUC* 8604, K. Battams reports that additional images of this comet show that a peak magnitude of 3.4 was reached at $\sim 10 R_{\odot}$. The peak tail length in C2 images was $\sim 1^{\circ}$; by the time that the comet disappeared behind the C2 occulter its tail was the same width as its head (so, in essence, it was headless). The final astrometry and improved orbital elements for this Kreutz sungrazer appear on *MPEC* 2005-T35.

COMET P/2005 S3 (READ)

This comet (cf. *IAUC* 8608) appears to be of short period; the following improved orbital elements are taken from *MPC* 2005-T27:

$$\left. \begin{array}{ll} T = 2005 \text{ Oct. } 9.433 \text{ TT} & \omega = 115^{\circ}.784 \\ e = 0.43617 & \Omega = 276.022 \\ q = 2.86795 \text{ AU} & i = 3.375 \end{array} \right\} 2000.0$$

$$a = 5.08659 \text{ AU} \quad n^{\circ} = 0.085914 \quad P = 11.47 \text{ years}$$