## Central Bureau for Astronomical Telegrams INTERNATIONAL ASTRONOMICAL UNION

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## COMET C/2009 F2 (McNAUGHT)

R. H. McNaught reports his discovery of another comet on CCD images taken with the 0.5-m Uppsala Schmidt telescope at Siding Spring (discovery observation tabulated below), the object appearing well condensed with a 12" coma and a possible very weak 15" tail in p.a. 260° (involved with stars). Follow-up observations by McNaught on Mar. 20.49 UT show a 9" coma and no tail. Following posting on the Minor Planet Center's 'NEOCP' webpage, R. Ligustri (Udine, Italy) reports that seven co-added 180-s CCD exposures (taken remotely with a 0.35-m f/7 telescope at Grove Creek Observatory, Trunkey, N.S.W., Australia on Mar. 20.6) show a coma diameter of  $\sim 18$ ".

| 2009   | UT      | $\alpha_{2000}$                   | $\delta_{2000}$                       | Mag. | Observer |
|--------|---------|-----------------------------------|---------------------------------------|------|----------|
| Mar. 1 | 9.57501 | $10^{^{ m h}} 57^{^{ m m}} 44.69$ | $-43^{\circ}26^{'}24\overset{''}{.7}$ | 17.7 | McNaught |

The available astrometry, the following preliminary parabolic orbital elements, and an ephemeris appear on MPEC~2009-F47.

## COMETS C/2008 W11, C/2009 W12, C/2008 X5, C/2008 X6 (SOHO)

Further to IAUC 9028, additional presumed comets have been found on SOHO website images. C/2008 W11 and C/2008 W12 were slightly diffuse Kreutz sungrazers (peak magnitudes  $\sim$  8 and 8.5, respectively). C/2008 X5 (Meyer group) and C/2008 X6 (Marsden group) were both small and stellar in appearance (mag  $\sim$  7.5).

| Comet      | 2008 UT      | $\alpha_{2000}$ | $\delta_{2000}$ | Inst. | F  | MPEC     |
|------------|--------------|-----------------|-----------------|-------|----|----------|
| C/2008 W11 | Nov. 29.921  |                 |                 |       | EB | 2009-C57 |
| C/2008 W12 | 29.963       | $16\ 24.4$      | $-23\ 23$       | C2    | RM | 2009-E60 |
| C/2008 X5  | Dec. $7.022$ | 1656.8          | $-23\ 57$       | C2    | RK | 2008-Y06 |
| C'/2008 X6 | 7.504        | 1653.5          | $-22\ 17$       | C2    | RK | 2008-Y06 |

## COMET 216P/LINEAR

Further to IAUCs 9005, 9010, and 9020, comet P/2009 D1 = P/2001 CV<sub>8</sub> (cf. IAUC 9021) has been given the permanent number 216P. (See also MPC 65277.)