

Imaging Polarimetry of the Dust Coma of the Deep Impact Target: Comet 9P/Tempel 1

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We have carried out at Observatoire de Haute-Provence (France), intensity and polarization imaging observations of the dust coma of comet 9P/Tempel 1, before (July 2 and 3, 2005) and after (July 5 and 6, 2005) the Deep Impact encounter. Results will be presented with emphasize on the variations in intensity and polarization in the coma which characterize the expansion of the dust and the differences between the dust properties before and after impact. A comparison with previous cometary results helps to interpret such variations.