

Eight months spying the comet 9P/Tempel 1, the Deep Impact target

L.M. Lara (1), H. Boehnhardt (2), P.J. Gutiérrez (1), R. Rodrigo (1), M.J. Vidal-Núñez (1)

1. Instituto de Astrofísica de Andalucía, CSIC, Camino Bajo de Huétor 50, 18008 Granada, Spain
2. Max-Planck Institute für Sonnensystemforschung, Max-Planck Str. 2, D37191 Katlenburg-Lindau, Germany

In this presentation, we will review the behaviour of the comet 9P/Tempel 1 from Jan. 2005 until mid-August 2005, including the Deep Impact event. The long-term evolution of the comet activity months before the impact will be shown. Special emphasis will be put in the results obtained from long-slit spectroscopy and broadband imaging acquired from July 01 to August 12, 2005 when a daily monitoring of the cometary activity was carried out. Information on the long and short term evolution of the gas production rates, A_{frho} , dust color and dust coma morphology will be presented. These results have been obtained from a long term monitoring (long-slit spectroscopy and CCD imaging) from the Calar Alto Observatory (CSIC-MPG, Almeria, Spain), from the Sierra Nevada Observatory (IAA-CSIC, Granada, Spain) and from the La Silla Observatory (ESO, Chile).