
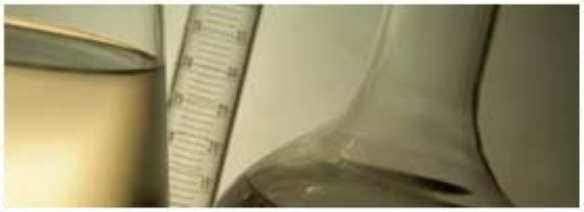

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Research Details :

Research Title	:	*Broad band filter colours and optical depth of the G and L impact sites of comet Shoemaker-Levy 9* *Broad band filter colours and optical depth of the G and L impact sites of comet Shoemaker-Levy 9*
Descriptipn	:	The crash of comet Shoemaker-Levy 9 fragments with Jupiter was observed at Aziziah Observatory, Hail, in Saudi Arabia. Three different observational methods (CCD photometric, spectroscopic, and photoelectric photometric) were used. The observations began on the 13th of July and ended on the 23 of July 1994. The CCD photometric results of the impact of fragments G and L are presented here, showing clearly the dark clouds resulted from those impacts. The measurements of the Titanium Oxide (TiO) absorption depth of impacts G and L showed an increase compared to the absorption depth of undisturbed regions, which indicates an increase in the TiO abundance. The increase in the colour reddening towards shorter wavelength found in G and L impacts indicate a composition of small size dust particles.
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