
We present the most remarkable changes that have occurred on the surface of comet 67P after its perihelion passage.


The multi-resolution (OSIRIS-ROLIS) analysis of the SFD boulders/pebbles located on the Agilkia landing site of Comet 67P is presented.


We present a geomorphological map of comet 67P. Our study puts into greater context previous works on this topic, and links 67P to previously visited nuclei.

9:15 a.m. Johnson K. E. * Singh S. McCord T. Study of the 2.7 Micron Absorption Band Found on Comet 67P/CG [#2954]

A study of the two types of absorption bands found on comet 67P/CG. Both appear at 2.7 microns, but one is a double peak and one is a single peak.

9:30 a.m. Ciarletti V. * Lasue J. Herique A. Lemonnier F. Kofman W. et al. Characterizing the Interior of 67P/Churyumov-Gerasimenko [#2249]

Our purpose is to use CONSERT’s data to provide constraints about the heterogeneity inside the 67P nucleus at spatial scales up to 10 meters.

9:45 a.m. Ivanovski S. L. * Della Corte V. Rotundi A. Fulle M. Fougere N. et al. The 67P/Churyumov Gerasimenko Dusty Coma Analysed with Aspherical Dust Dynamical Simulations Constrained by GIADA Measurements in February and March 2015 [#2043]

The GIADA particle speeds in February and March 2015 have been reproduced using aspherical dust model and gas solutions constrained by the ROSINA data.


O2 in coma? / ROSINA discovered it / But Alice finds more.

10:15 a.m. Paquette J. A. * Fray N. Cottin H. Bardyn A. Hilchenbach M. The 18O/16O Ratio in Cometary Dust and Other New Results from Cosima [#1445]

The oxygen isotopic ratio 18O/16O measured in cometary dust from comet 67P using the Rosetta/COSIMA instrument will be presented.


Using a self-consistent 3D full-kinetic PIC approach, we disentangle the ion and electron dynamics of the solar wind interaction with a weakly outgassing comet.
10:45 a.m. Scheeres D. J. * Hirabayashi M. Chesley S. R. McMahon J. W. Marchi S. * 
*Constraints on the Past Spin Rate of Comet 67P/C-G* [#1564]
The nucleus of 67P/C-G was likely spinning with a period less than nine hours within the last 5 K years, fast enough to have formed the cracks on its neck region.

11:00 a.m. Zambrano-Marín L. F. * Virkki A. Rivera-Valentin E. G. 
*Comparing Near-Surface and Bulk Densities of Comets Using Radar Scattering Properties* [#2835]
Comparison of near-surface and bulk-density calculations with spacecraft measurements of selected Comets.

*Compositional Study of Jupiter Family Comet 45P/Honda-Mrkos-Pajdusakova Near Perihelion Using iSHELL at the NASA-Infrared Telescope Facility* [#2899]
We obtained spectra of 45P that allow measuring its volatile composition. The favorable Doppler shift (~35 km/s) provided sensitive measures of CH₄ and CO.

11:30 a.m. Lisse C. M. * Sitko M. L. Marengo M. Vervack R. J. Jr. Fernandez Y. R. et al. 
*HR 4796A: A Nearby ExoSystem Hosting a Dense Bright Ring of Active Comets* [#2128]
Using the NASA/IRTF 3m we find that the beautiful, narrow HR 4796A circumstellar ring is a sheparded belt of comets associated with a planet-building event.