

Cometary Cell C2127

Images

Aerogel Cell: [C2127-01.jpg](#)
[C127_T1_20x.jpg](#)

Cell History: Cell C2127 was removed from the cometary grid on May 18, 2006 and transferred to the remote storage facility in White Sands, New Mexico. This sample is not available for allocation.

Track Information: The tile has several small-sized tracks.

Feature Images

Allocation History

Results

Log Entries

Note: All track / features (e.g., T1) numbers assigned during the Level 3 scanning are to be considered “**Temporary**” and in do not relate to the “Official” track number that is assigned when a given features is extracted (e.g., Keystoned) from a tile. Abbreviations: EH – Entrance Hole, TP – Terminal Particle, MTW – Maximum Track / Bulb Width, TL – Track Length.

06-06-06 – T.H. See Afternoon

Removed next tile (**C127**) from the cabinet for documentation.

Determined proper Level 2 orientation and mounted the tile in the Level 3 fixture in that orientation.

Note that this tile had the left end pretty well broken off from right up to the surface or exposed surface of the tile. This could already be seen in the Level 2 photo documentation of the tile. When mounting in the Level 3 fixture no more aerogel fell from the tile, but one piece on the bottom back side is protruding out noticeably. The unevenness of the tile caused it to lift slightly when pressure was applied to the right end via the Level 3 mounting fixture.

Began Depth Profile imaging @ ~ 1:10

Completed Depth Profiles @ ~ 1:50. Convert system for track documentation.

Tracks

Left Front Fiducial – This tile is extremely clear and one of the easier to see through. Unfortunately, at first glance I do not see one single track in the tile. Fiducial visible and at a slight angle from left to right, which is exaggerated by the left-residing camera configuration. Fiducial extends ~ 610 μm in to tile.

C127-T1 – Small bulbous track toward the rear surface of the tile. However, imaged pretty well because of the clarity of this tile. Track angular measurement is on the order of 340 μm in length. The bulb measures 150 μm . A terminal particle is visible at the end of this small track measuring ~ 5 μm across and ~ 15 vertically. At this scale, the entrance hole appears to be ~ 20 μm wide and the max bulb width is ~ 61 μm across.

No other tracks found.

Convert system to Top View Configuration for 7x & 20x views. Images at standard two resolutions.

Went back to white light for Fiducial Compressed and Relaxed images.

Completed tile @ ~3:05 pm.

Removed, place back in sample container and sample cabinet.