

# Cometary Cell C2128

## Images

**Aerogel Cell:** [C2128\\_01.jpg](#)  
[C2128\\_T1\\_20x.jpg](#)

**Cell History:** Cell C2128 was removed from the cometary grid on May 18, 2006 and the tile 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 do not relate to the “Official” track number that is assigned when a given feature is extracted (e.g., Keystoned) from a tile. Abbreviations: EH – Entrance Hole, TP – Terminal Particle, MTW – Maximum Track / Bulb Width, TL – Track Length.

#### 06-09-06 – T.H. See

Removed cell **C128** from cabinet, determined Level 2 orientation and mount cell in Level 3 fixture in the Level 2 orientation.

There is a small piece from the exposed surface area that is missing from this tile and was already missing when the Level 2 photo documentation was acquired. Must have been one of the loose fragments that were retrieved when the sample canister was opened on January 17, 2006.

Began Depth Profile imaging at ~8:50 am.

Completed Depth Profiles @ ~ 9:15.

Tilted sample to document tracks.

#### Tracks

C128-T1 – Long carrot-shaped track with large visible terminal particle. Other particles visible up and down the track. Terminal particle is on the order of 10  $\mu\text{m}$  in size. Angular track length is 1678  $\mu\text{m}$ . Entrance hole is ~ 53  $\mu\text{m}$  in size and max track width is ~ 135  $\mu\text{m}$ .

C128-T2 – Bulbous bifurcated track. Max depth is ~ 828  $\mu\text{m}$  with second stylus measuring ~ 664  $\mu\text{m}$  and the third ~ 468  $\mu\text{m}$ . Entrance hole is ~ 50  $\mu\text{m}$  with max bulb width ~ 187  $\mu\text{m}$ . Small terminal particles are visible, all on the order of 7  $\mu\text{m}$  in size or smaller.

Imaged tile from Top View in yellow light at 7x & 20x magnifications.

No fiducial marks visible in this tile.

Completed tile @ ~1:10 pm. Returned to container and cabinet.