

Cometary Cell C2086

Images

Aerogel Cell: [C2086-01.jpg](#)
[C2086_T1_20x.jpg](#)

Cell History: Cell C2086 was removed from the cometary grid in April 2006 and was transferred to the University of California at Berkeley for processing.

Track Information: The tile has several small- to medium-sized tracks. One feature has been keystoneed resulting in to Track 65.

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., Keystoneed) from a tile. Abbreviations: EH – Entrance Hole, TP – Terminal Particle, MTW – Maximum Track / Bulb Width, TL – Track Length.

03-22-06 – THSee

Mounted tile **C086** without incident.

Began Slice documentation of C086.

Completed the seven (7) slice documentation without incident.

Completed the 7x and 20x tile top views with the yellow backlighting.

C086-T1 – Ejecta / ricochet impact that hit the foil first on the end of this tile and the ejecta or ricochet of particles or target materials into the aerogel at a ~45 degree angle. Track entrance hole located on the left end of this tile at X=0, and ~9.5 mm in from the front surface. Deepest visible penetration at the 45 degree angle is ~ 2777 μm in length. MTW is on the order of ~ 1020 μm .

C086-T2 – Extremely long track 10.5 mm in length with numerous terminal particles. Other stylus measure ~ 6880 & 8430 μm in length. MTW is on the order of 1000 μm . Largest particle at the end of the longest track is ~35 to 40 μm across. Second longest track particle is ~ 20 μm across. Track is located near the front edge of the tile, ~ 0.5 mm from the front surface and 1.3 cm from the left end. Terminal Particle 3 measures on the order of ~10 x 20 μm in size.

C086-T3 – Track located on the far end of the tile ~ 3.4 cm from the left end and 8.3 mm in from the front surface. No terminal particles visible with yellow lighting. Track length is on the order of 6.5 to 7.5 mm. Terminal particle is ~ 20 μm across. EH of ~ 370 with MTW of ~2300 μm .

C086-T4 – Located ~1.6 cm from the left edge of the tile and ~ 2 mm from the front surface. Three terminal particles, 1 @ ~ 8, 1 @ ~ 6-8, & 1 @ 8-10 μm in size. Track is on the order of 500 to 550 μm in length. EH of ~ 105 μm with MTW of ~ 265 μm .

C086-T5 – Track located at 1.8 cm from the left end of the tile and on the order of 6 to 8 mm in from the front surface. Track length is ~ 460 μm in length. Terminal particles associated with this track are small; varying between 4 to 6 μm is size. Eh of 32 with MTW of ~ 84 μm .

Completed Level 3 of this tile @ ~2:30 pm.