

Cometary Cell C2038

Images

Aerogel Cell: [C2038-01.jpg](#)
[C2038_T1_20x.jpg](#)

Cell History: Cell C2005 was removed from the cometary grid on 9-14-06.

Track Information: The tile has several visible, medium-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.

03-20-06 T.H. See & J Warren – First day of Spring.

J. Warren mounted C038 in to the Level 3 examination jig or device without incident.

System configured as outlined at the top of this document.

7x & 20x rear illumination completed.

Begin slices at ~ 10:30. Completed slices at ~11:15.

Began track documentation. Two known tracks prior to angular scan.

C038-T1 – Small track located ~1.9 cm from left end of tile and ~0.6 mm from the front surface of the tile. Bifurcated track is on the order of 650 & 450 μm in length. Particles on the order of 5 μm in diameter. EH ~ 28 and MTW of ~ 84 μm .

C038-T2 – Large track located ~1.6 mm from the left end and ~5 mm from the front surface. Track length ~ 2.8 to 3 mm. EH ~ 97 with MTW of 540 μm .

All track below were located and/or measured with the tile at an angle to the scope of ~ 15 degrees.

C038-T3 – Located 5.1 mm from the left edge of the tile and 2-plus mm into the tile from the front surface. Track is on the order of 800 μm in length and terminal particle was ~ 8 μm in diameter. Track length is ~ 850 μm in length. Eh of ~ 38 μm with MTW of 115 μm .

C038-T4 – Located ~ 10 mm from the left edge and 1 mm in from the front surface. Terminal particle is on the order of 5 μm in diameter. Image very blurry, but track appears to be on the order of 425 μm deep with and EH of ~ 60 and a MTW of ~ 132 μm .

C038-T5 – Two terminal particles. One at ~5 μm and one at ~8 μm in diameter. Bifurcated with stylus lengths of ~ 260 & 340 μm . Eh of ~ 15 with MTW of ~ 35 μm .

C038-T6 – Located 2.3 cm from the left end and toward the middle of the tile. Four terminal particles with the largest on the order of 3 μm in diameter. Track length is on the order of $\sim 500 \mu\text{m}$ or greater. EH of ~ 16 with MTW of $\sim 40 \mu\text{m}$.

C038-T7 – Located 3.6 cm from the left end of the tile and > 1.6 cm from the front surface. Track length is slightly > 1 mm. EH is $\sim 38 \mu\text{m}$ with MTW of $\sim 77 \mu\text{m}$.

C038-T8 – Located ~ 2.9 cm from left end of tile and toward the back of the tile. Track length is on the order of $550 \mu\text{m}$, yet image is blurry due to having to traverse most of the tile. EH $\sim 30 \mu\text{m}$ with MTW of $\sim 60 \mu\text{m}$.

Completed Level 3 of this tile.