**Lab log**

**Date:** 8/15/2013

**Info:** --

**Conditions:** BSE, 17 kV, PC 70, 100 Pa

**Goal:**

1. Taking pictures at 100 Pa, looking for equilibrium temperature. Trying to find a good prismatic facet and take pictures of it.
2. Try to find a good temperature method to grow something else than chunks.

**What I did:**

1. Go to -28 °C, no crystals growing.
2. Go to -29 °C, ugly chunks on the sides.
3. Go to -19 °C, melt everything, then -27 °C, right under growing temp.
4. -27 °C, seeing two nice (small :( ) crystals, no roughness. Slightly growing. When -26.5 °C, ablating and cracking.
5. Go to -15 °C, melt everything, go to -35 °C, grow massively, jump to -27 °C, -> the only good facet ablate/cracks :-/
6. -40 °C, growth, there IS roughness, -38 °C, roughness stays, going slowly towards -27 °C, taking pictures.

**Products:**

Some pictures were made. Snapshots are of pretty bad quality, it would be smart to have the aperture aligned again to get less grains.

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| Snp1 -38°C terribad quality |
| snp2 -29 °C bad quality |
| 1280\_3 -29 °C |
| snp4 -28 °C |
| 1280\_5 -28 °C |
| 1280\_6 -27 °C |
| snp7/8/9… -27 °C few minutes apart |
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