

Run 1			
Static Data			
Size of cold stage:	51 mm		
Height of cold stage:	8 mm		
vacuum pressure (set)	50 Pa		
Z/TILT (distance of detector from stage)	5um		
vacuum current	12kv		
probe current		85	
Additional Comments	waited for pressure to hit 70 Pa to turn on temp		
Additional Comments			
Kinetic Data			
Time	Action/observation	Temperature (actual)	Crystal Size
12:09	pressurizing chamber	27.4	
12:14	set temperature to -34 (pressure at 70 Pa)	23.9	
12:18	crystals observed		
12:20	set temp to -33	-34.7	
12:22	took 3D image (case 1.0)	-33.8	
12:23	took 3D image (case 1.1) (for redundancy and shifted the contrast)	-33.7	
12:25	set temp to -31 for ablation	-33.7	
12:26	took 3D image (case 1.2)	-31.7	
12:29	took 3D image (case 1.3)	-31.7	
12:32	took 3D image of prismatic facets (case 1.4)	-31.7	
12:34	took 3D image (case 1.5)	-31.7	
12:36	took 3D image of pyrimidal and basal facet intersection (case 1.6)	-31.7	
12:38	took 3D image (case 1.7)	-31.7	
12:40	took 3D image of prismatic facets (case 1.5)	-31.7	
12:43	took 3D image of prismatic/pyrimidal zoomed (case 1.9)	-31.7	
12:45	repeat of 1.9 (case1.10)	-31.7	
12:48	took 3D image (case 1.11)	-31.7	
12:50	took 3D image of bottom of prismatic facet (case 1.12)	-31.7	
12:53	took 3D image (case1.13)	-31.7	
12:55	took 3D image (case 1.14)	-31.7	
12:58	took a spectral imaging to test outer vs inner boarders (20200727Im1)	-31.7	
12:59	set temp to -32 while capturing (so ablation wasnt too much)	-32.6	
1:03	set to -31 to slow growth		
1:03	spectral imaging over	-31.7	
1:03	took 3D image (case 1.15)	-31.7	
1:05	ended experiment		