

Run 1 (cold stage no temp elemental analysis)			
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 untill 80 Pa to turn on temp		
Additional Comments			
Kinetic Data			
Time	Action/observation	Temperature (actual)	Crystal Size
3:52	truned on pressure	26.6	
3:56	set temp to -34		
4:00	crystals observed (pressure is at 50 Pa)	-34.5	
4:03	set temp to 33 (by accident)	-34.7	
4:03	set temp to -34 to regrow		
4:06	crystals observed again (pressure is 50)	-34.6	
4:11	set temp to -33		
4:11	taking 3D image (case 1.0)	-33.7	
4:14	set temp to -30		
4:15	set temp to -31 (to slow ablation)		
4:15	taking 3D image (case 1.1)	-31.7	
4:18	taking 3D image (case 1.2)	-31.7	
4:20	taking 3D image (case 1.3)	-31.7	
4:22	set temp to -32		
4:23	taking 3D image (case 1.4)	-32.7	
4:26	taking 3D image (case 1.5) using 16 frames (test)	-32.7	
4:27	set temp to -31		
4:28	takind 3D image (case 1.6)	-31.7	
4:30	taking 3D image (case 1.7)	-31.7	
4:33	taking 3D image (case 1.8)	-31.7	
4:38	set temp to -32 and then -31 and took elemental analysis (20200724IceK2SO4R1T01)	-31.7	
4:45	elemental analysis (20200724IceK2SO4R1T02)	-31.7	
4:51	elemental analysis (20200724IceK2SO4R1T03)	-31.7	
4:57	elemental analysis (20200724IceK2SO4R1T04)	-31.7	
5:01	elemental analysis (20200724IceK2SO4R1T05)	-31.7	
5:07	ended experiment		