

Run 1			
Static Data		Start Time (peltier on):	12:34 PM
Size of cold stage:	51 mm	End Time (peltier off):	13:29
Height of cold stage:	8 mm		
vacuum pressure (set)	50 Pa		
Z/TILT (distance of detector from stage)	5um		
vacuum current	12kv		
probe current	90		
Additional Comments		For this run I waited until the vaccum pressure was 60Pa to start	
Additional Comments		It pretty quickly turned to 50 Pa	
Kinetic Data			
Time	Action/observation	Temperature (actual)	Crystal Size
12:34	set temp to -35	25	
12:38	crystaks observed	-35	
12:41	set temp to -32 to take the pics		
12:48	took pics		
12:48	set to -25 to ablate	-26	
12:50	ablated to fast (set to -32)	-32.8	
12:54	set to -30 to see slower ablation		
12:56	slow ablation (pockmarks occu	-30.8	
12:56	set -32 to take pics	-32.6	
1:00	finished pics	-32.8	
1:02	set to -30 to see ablation	-30.8	
1:05	set to -31		
1:06	seems to be holding shape rela	-31.8	
1:08	set to -33	-33.7	
1:10	good steady re-growth	-33.7	
1:11	set -34	-34.6	
1:14	perfect re-growth	-34.7	
1:20	growth roughening is appearing	-34.6	
1:23	set to -33 to slow for pic		
1:23	set to -32 to slow even more		
1:24	capturing immages of growth r	-32.7	
1:27	set to -34	-34.6	
1:29	ended experiment	-34.6	
Run 2			
Static Data		Start Time (peltier on):	2:12 AM
Size of cold stage:	51 mm	End Time (peltier off):	2:34
Height of cold stage:	8 mm		
vacuum pressure (set)	50 Pa		
Z/TILT (distance of detector from stage)	5um		
vacuum current	12kv		
probe current	90		
Additional Comments		vial was not compleaty frozen when I started	
Additional Comments			
Kinetic Data			
Time	Action/observation	Temperature (actual)	Crystal Size
2:12	set temp to -35	pressure is 140	
2:14	temp is -27 and pressure is 80 (it is taking a lot longer to reach)		
2:14	crystals observed (pressure 60	-28	start
2:18	crystal has good morphology	-35	300x150um
2:19	set to -33 to hold shape	-33.6	
2:21	set -32	-32.8	
2:25	set -35 to try and grow new cry	-34.7	
2:30	nothing is occuring		
2:32	nothing is occuring (besides slow growth of blobular ice crystals)		
2:34	ending experiment	-34.9	