

Run 1 (Pure ice)									
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									
Additional Comments									
Kinetic Data									
Time	Action/observation	Temperature (actual)	Crystal Size						
1:48	started pressurization	26.2	none						
1:52	pressure reached 90Pa	23	none						
1:52	raised stage								
1:54	stage raised and HV turned on (pressure 60Pa	22.3							
1:55	set temp to -34								
1:57	unidentified object found on stage (picture)	-29							
1:59	image	-34.7							
2:26	the unidentifeid objects I belive to be carbon from the themal paste (I ran an elemental anlaysis of this and it came up as mostly carbon) I will attempt to clean the Copper again to hopefully do away with this								
I checked without anything growing and I belive it is almost all gone after cleaning (so all good)									
Run 2(Pure ice)									
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		waiting for pressure to hit 70 Pa to turn on temp							
Additional Comments		I am not sure if this run is of "pure" ice crystals because I see some white ridge roughening							
Kinetic Data									
Time	Action/observation	Temperature (actual)	Crystal Size						
2:54	pressurizing								
2:57	temp set to -34								
took multiple pictures									
3:08	set temp to -30	-34.6							
3:10	set temp to -33	-30.8							
3:13	set temp to -30	-33.7							
3:29	set temp ot -33	-30							
3:26	set temp to -30	-33.7							
3:34	set temp to -33								
3:36	set temp to -30	-33.7							
3:43	set temp to -33								
3:35	set temp to -35								
3:51	set temp to -33								
3:51	set to -30								
	set temp to -33								
3:59	set temp to -30								
4:07	set temp to -33	-30.8							
4:15	ended experient								