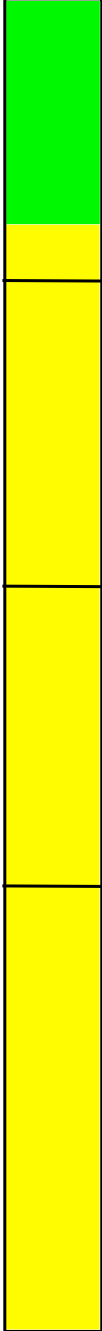
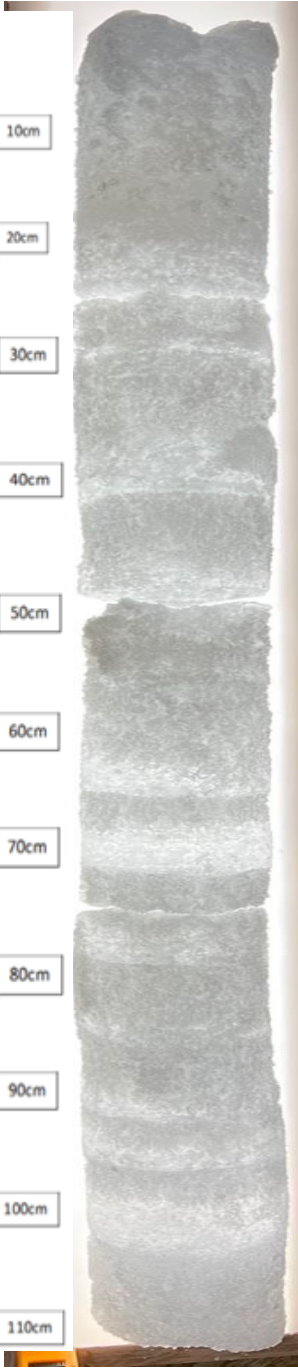
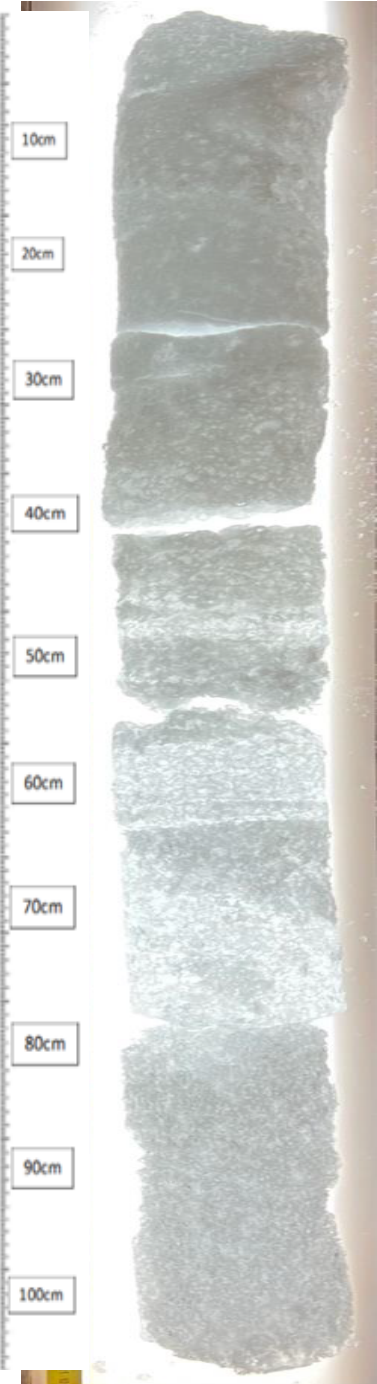
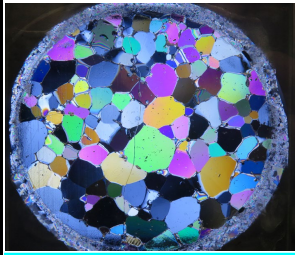
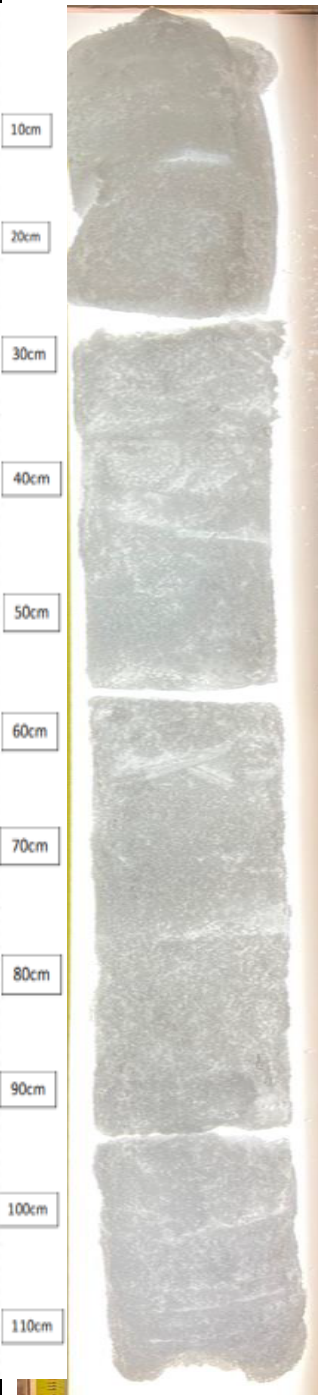


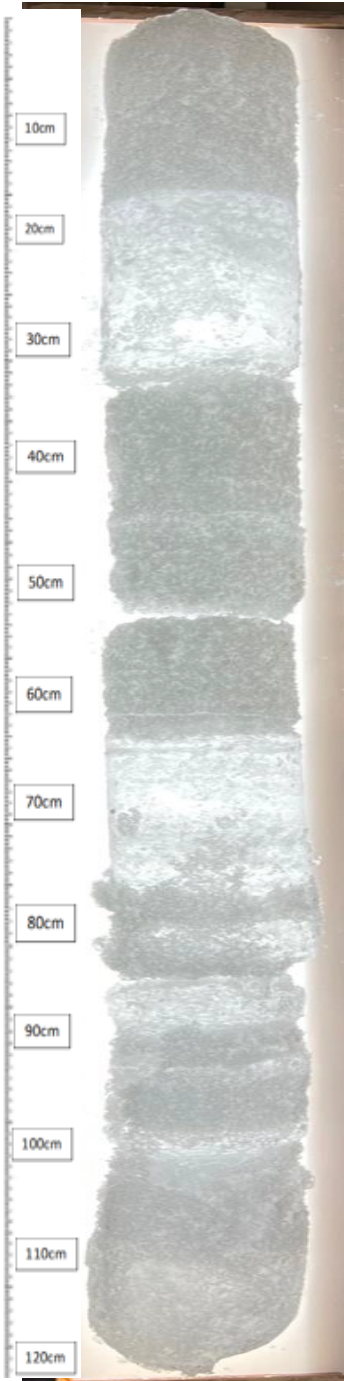
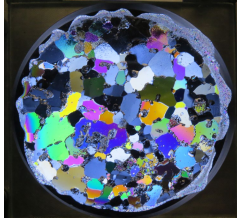
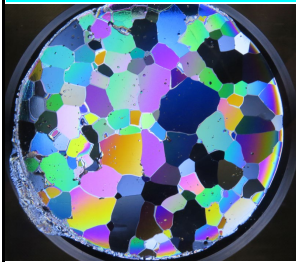
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,258S	-2,702W
			Shelf Region	E1	
		1	Length	≈111cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
				Ice core mostly comprised of medium grained ice with scattered ice lenses	

KEY

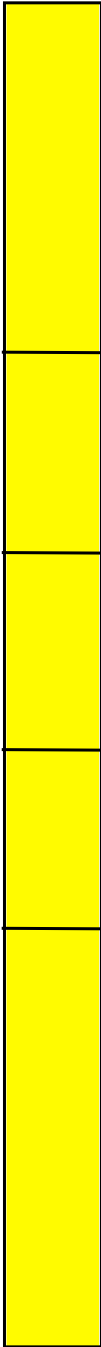
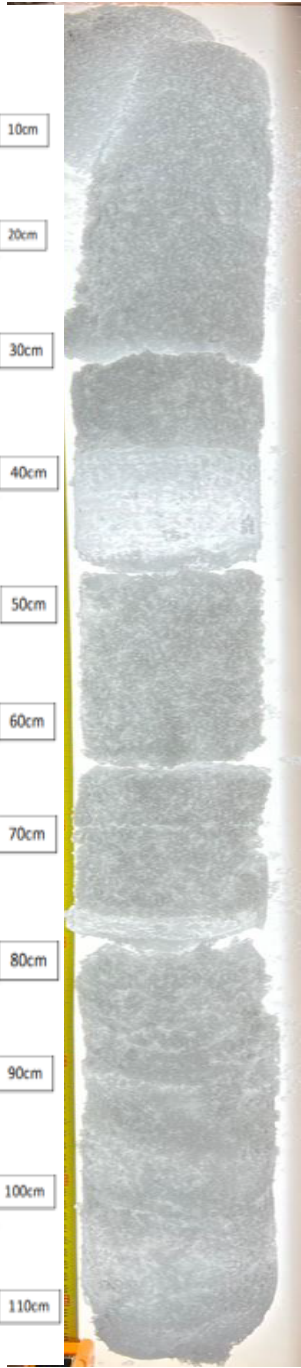
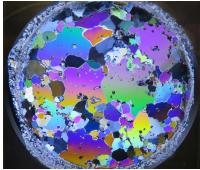
-  Fine grained
-  Medium grained
-  Large grained

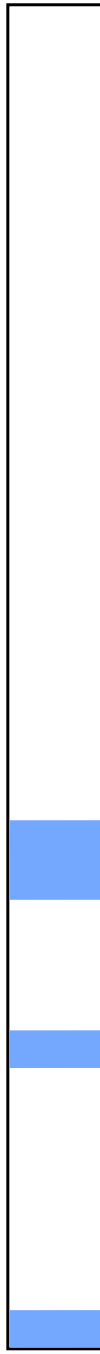
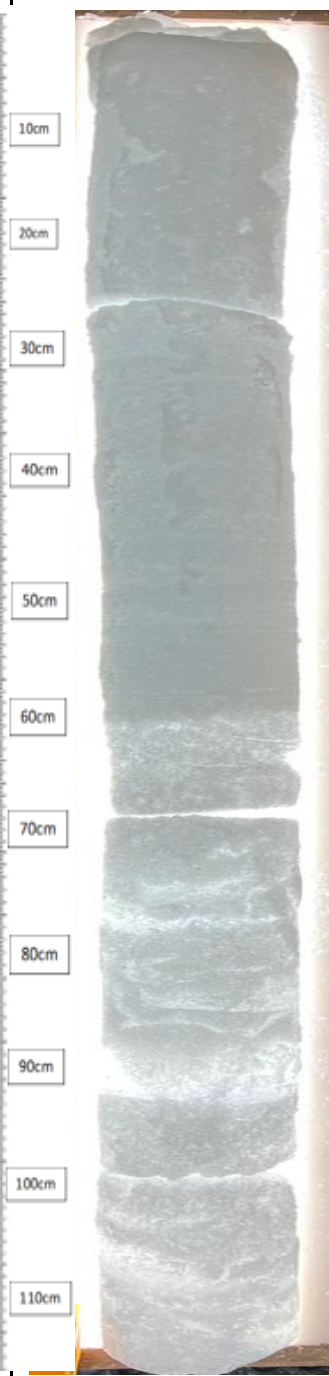
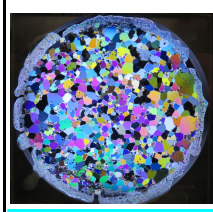
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2578S	-2,7023W
		2	Shelf Region	E2	
			Length	≈105cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
			 2/01/E1 C2-1	Top part of the core is an ice lens with a high granular particles 	

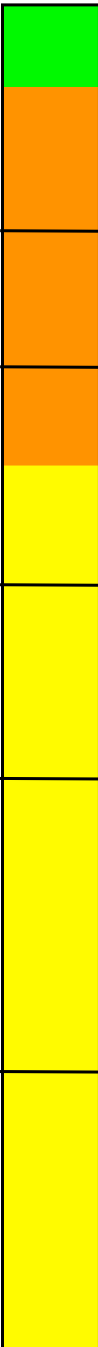
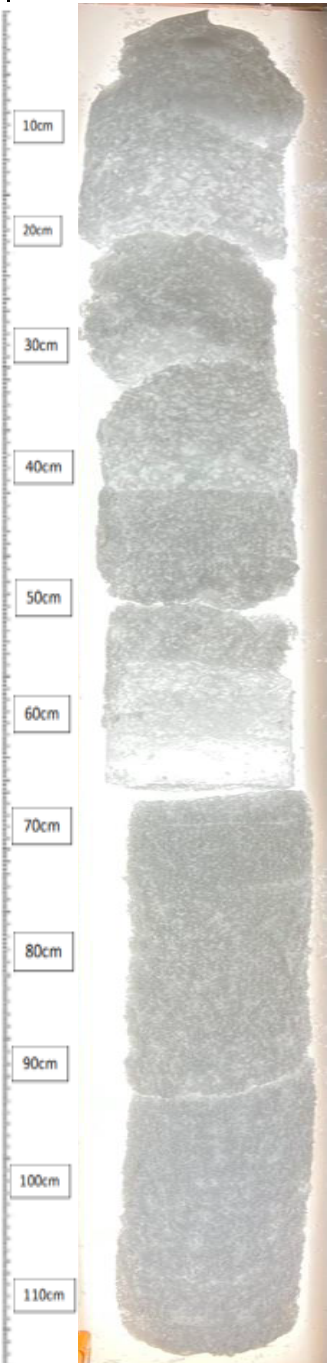
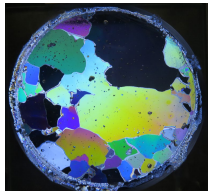
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2571S	-2,7019W
		3	Shelf Region	D2	
			Length	≈115cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +/- 2 degrees	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
				Top of the core has a large ice lens with high bubble concentrations. Lower ice lens contains the same lens characteristics	

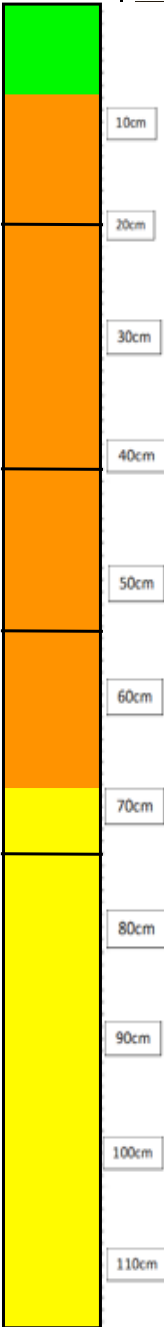
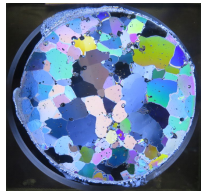
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2581S	-2,7016W	
			Shelf Region	F2		
			4	Length	≈120cm	
				Set temp.	- 20 degrees C	
				Actual temp.	-20 +/- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description		
				Large ice lens allowed ideal location to perform both a thin section analysis along with a density test, will hopefully allow for test cross reference.		
			4/01/F2			
			D4-1			
			C4-1			
				Compression test chosen for large uniform section of grain size		
			4/02/F2	Thick ice lens ideal for thin section refinement		
						

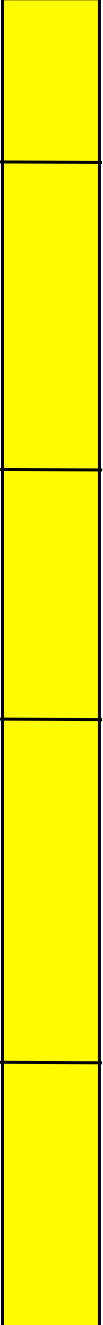
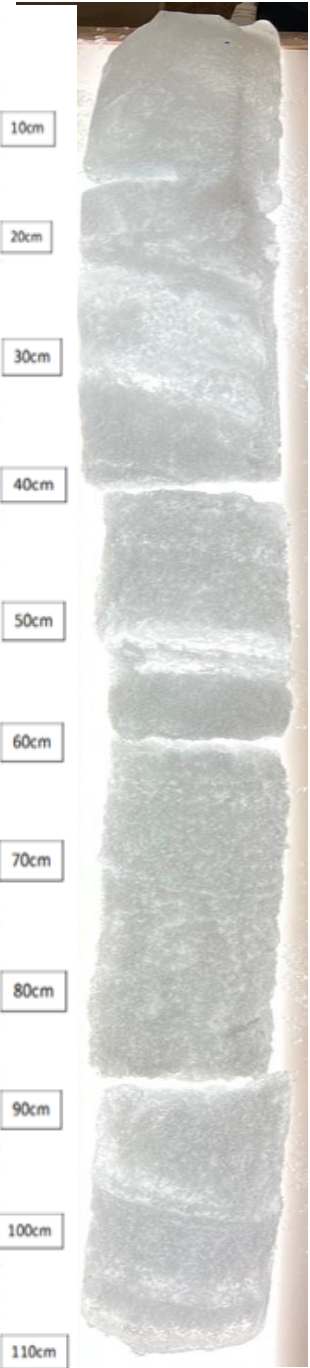
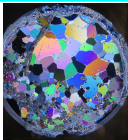
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2569S	-2,7013W
			Shelf Region	C2	
			Length	≈110cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
			D5-A	2 sections with similar, yet slightly differing grain distributions identified as ideal targets for density comparison.	
		D5-B			
			5/01/C2	A clustering of ice lenses and density tests done in a nearby region to allow for 4 similar sets of cross reference.	
			D5-C		
			5/02/C2		
			D5-D		
			D5-E		
			Density test performed on the bottom of the sample of likely uniform density.		

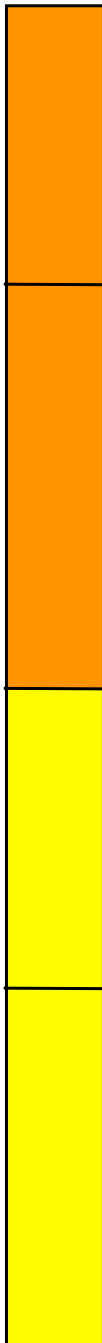
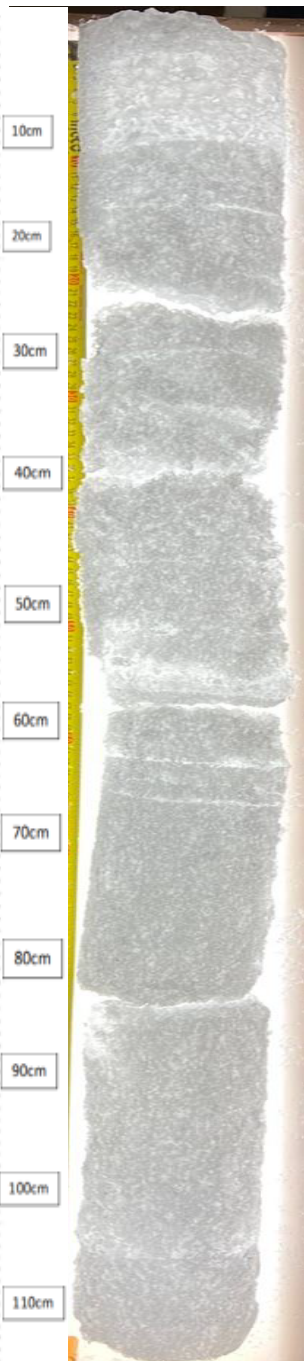
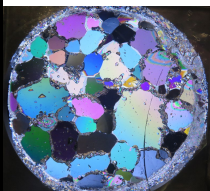
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2573S	-2,7012W
			Shelf Region	D2	
			Length	≈115cm	
			Set temp.	- 20 degrees C	
		6	Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
			 06/01/D2 D6-1 D6-2	Ice lens and density reading done on large ice section. Density reading performed on nearby uniform grain location to compare immediate difference in density.	

2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2572S	-2,7009W	
			Shelf Region	D3		
			7	Length	≈116cm	
				Set temp.	- 20 degrees C	
				Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description		
			C7-1	Compression test performed on dense snow pile, likely surface snow.		
			C7-2	Depth of surface snow allowed for a 10cm gap between 2 uniformly sized snow volumes, will be a good indication on immediate difference between surface snow compressive nature.		
			D7-1	Density test performed on immediate ice lens beneath snow pile.		
				Thin section analysis performed on large ice lens.		
			07/01/D3			

2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2568S	-2,7005W
			Shelf Region	C3	
		8a	Length	≈115cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
			 8a/01/C3 D8a-2 C8a-1 D8a-1	Large uniform ice lens allows for both density test and thin section analysis to be performed on one section. Compression test done on large uniform granular section. Density test performed on 1m deep zone of the surface level firn.	

2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2568S	-2,7005W
		8b	Shelf Region	C3	
			Length	≈115cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +/- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
			 8b/01/C3 D8b-1 C8b-1	Large ice lens allows for both thin section analysis to be performed along side a density test for same ice section sample. Compression test done on large sample of uniform density.	

2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2576S	-2,7006W
			Shelf Region	E3	
			Length	≈110cm	
			Set temp.	- 20 degrees C	
		9	Actual temp.	-20 +/- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
			D9-1 D9-2 09/01/E3  C9-1	Density test performed on 20cm long ice lens sample. density test done immediately above ice lens sample to see if any characteristics are directly comparable to crystallography of ice samples in same ice lens. Compression test performed on large sample of uniform grain size and distribution.	

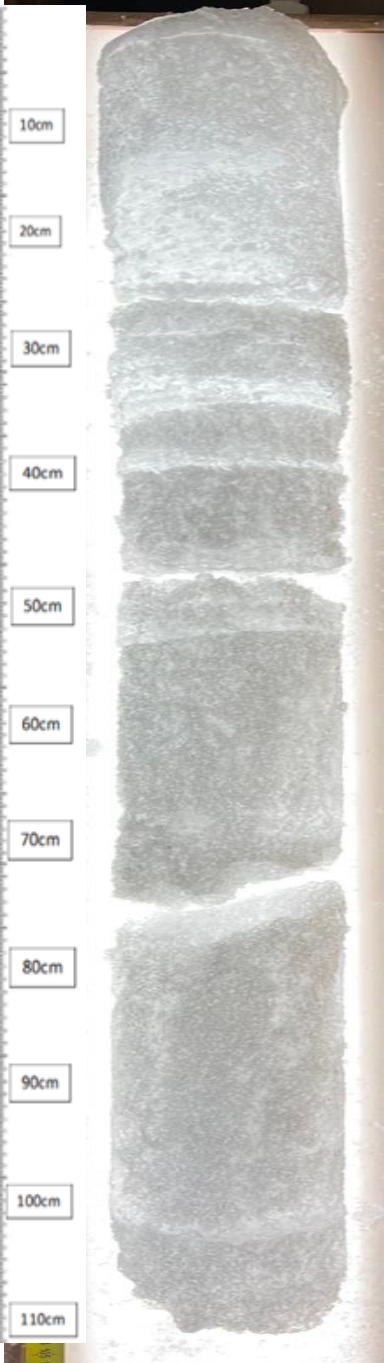
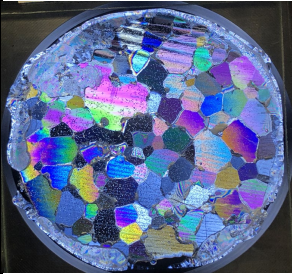
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2565S	-2,7001W
		10	Shelf Region	B3	
			Length	≈115cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
			10/01/B3  D10-1 D10-2	ice lens almost immediately at the surface, ideal for thin section analysis. 2 density readings done on samples directly above each other to see if the break caused any difference in density.	

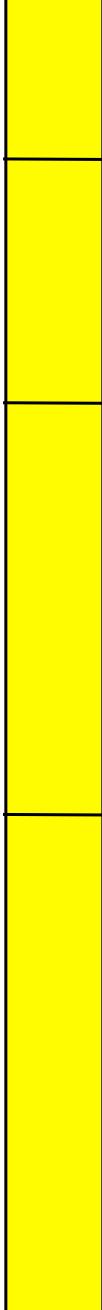
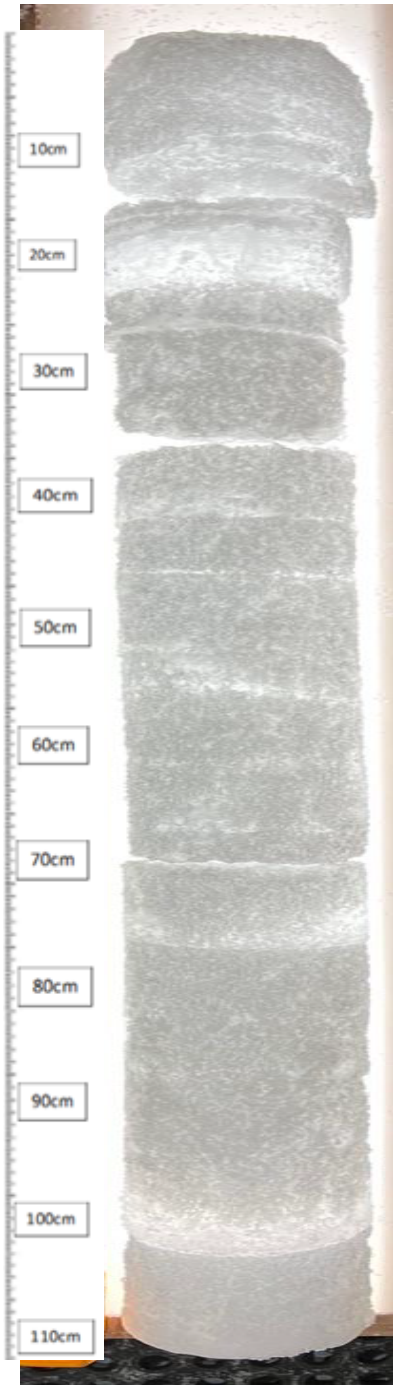
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2565S	-2,7000W
		11	Shelf Region	B4	
			Length	≈112cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	

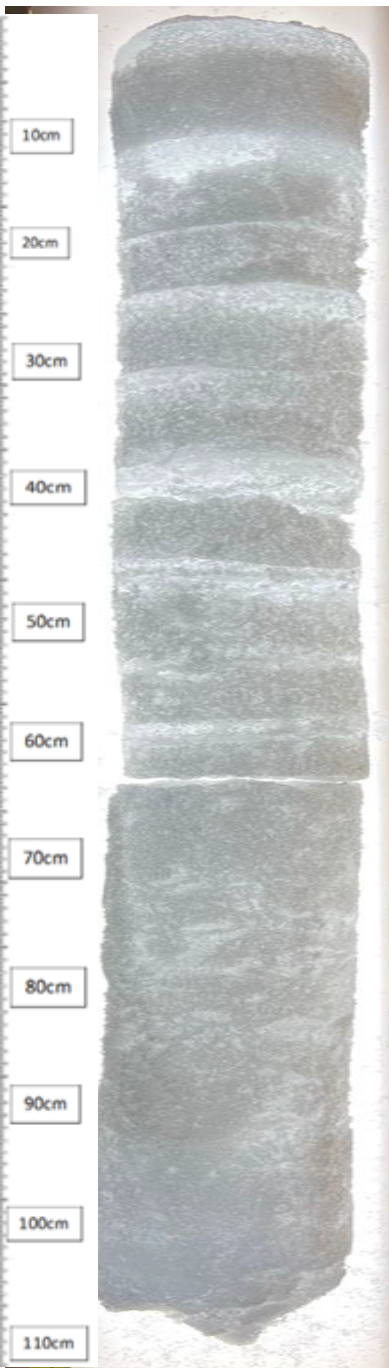
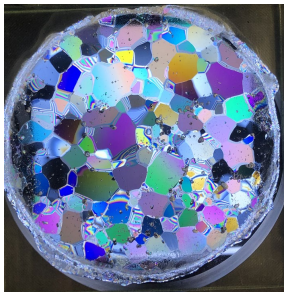
Lens location	Stratigra phy	Core Image	Test Sections	Description
			 11/01/C3 C11-1 C11-2	Section ideal for thin sample analysis Same size of samples used for compression test just above 2 thin ice lenses, will the lenses affect the snow packing above and below.

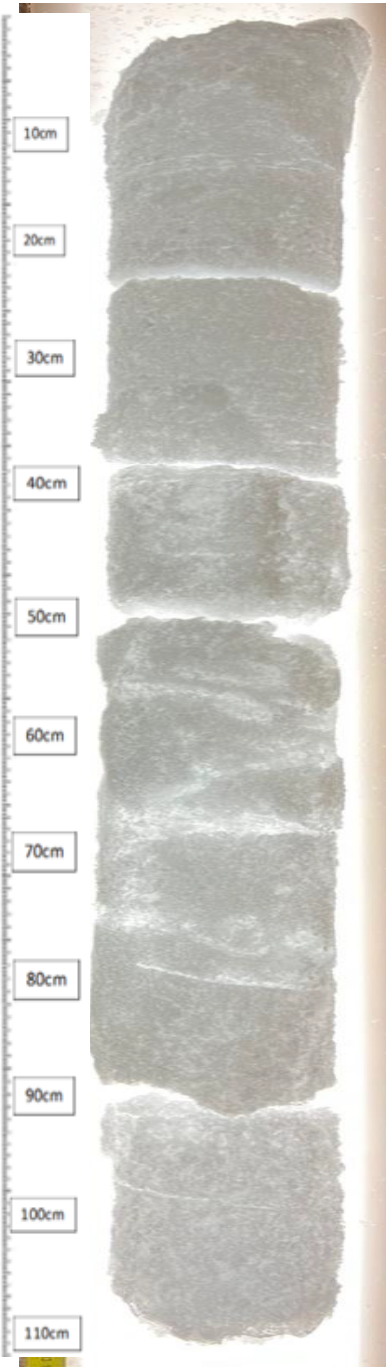
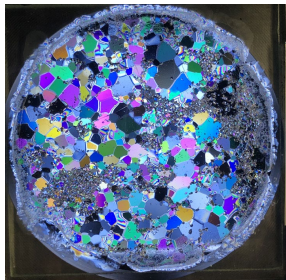
2021/2022 Antarctic Ice Core logging	Core Number	Coordinates	-70,2566S	-2,6999W
		Shelf Region	C4	
		12	Length	≈113cm
			Set temp.	- 20 degrees C
			Actual temp.	-20 +/- 2 degrees C

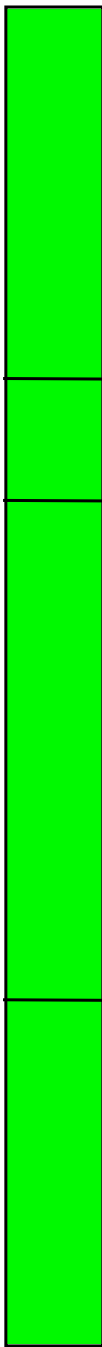
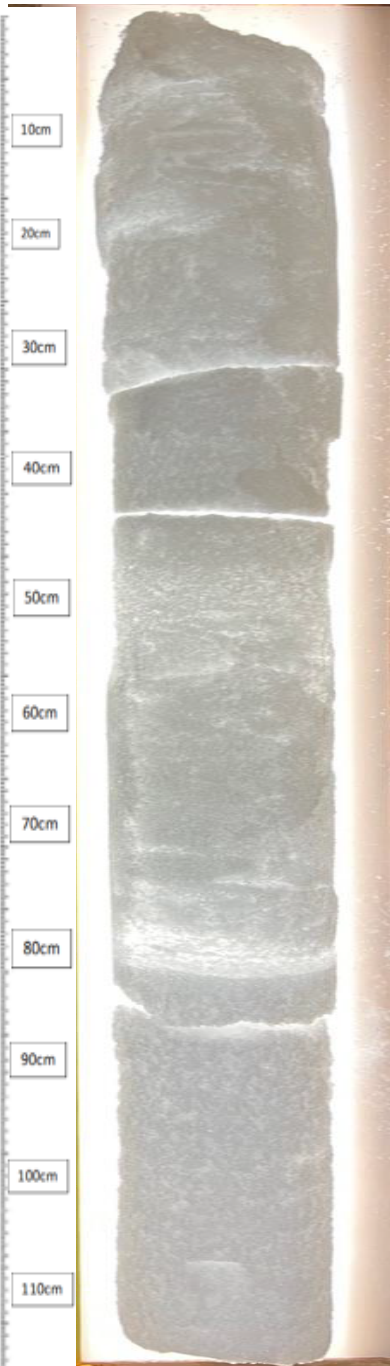
Lens location	Stratigraphy	Core Image	Test Sections	Description
			D12-1	Density test performed on thick snow layer.
			C12-1	Compression test performed on snow layer of similar visible thickness as density test above.
			12/01/C4	eye observation of a very dense ice lens sample indicates ideal location for thin sample analysis.

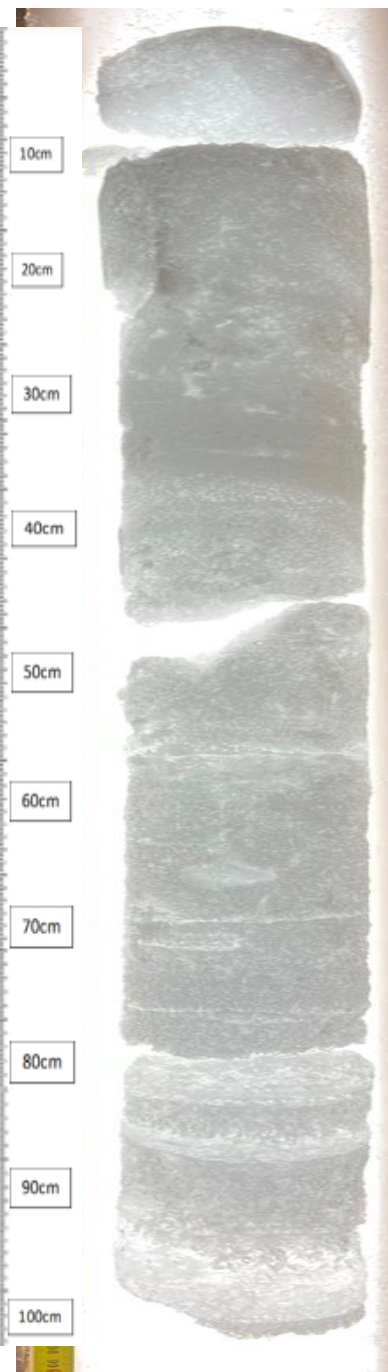
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2572S	-2,7002W
		13a	Shelf Region	D3	
			Length	≈108cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +/- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
			D13-1	Density and thin section analysis performed on large ice lens.	
			13/01/D3		
					
			D13-2	Density test performed on highly granular layer.	
			C13-1	Compression test performed on highly granular layer. visible tickness as density test above.	

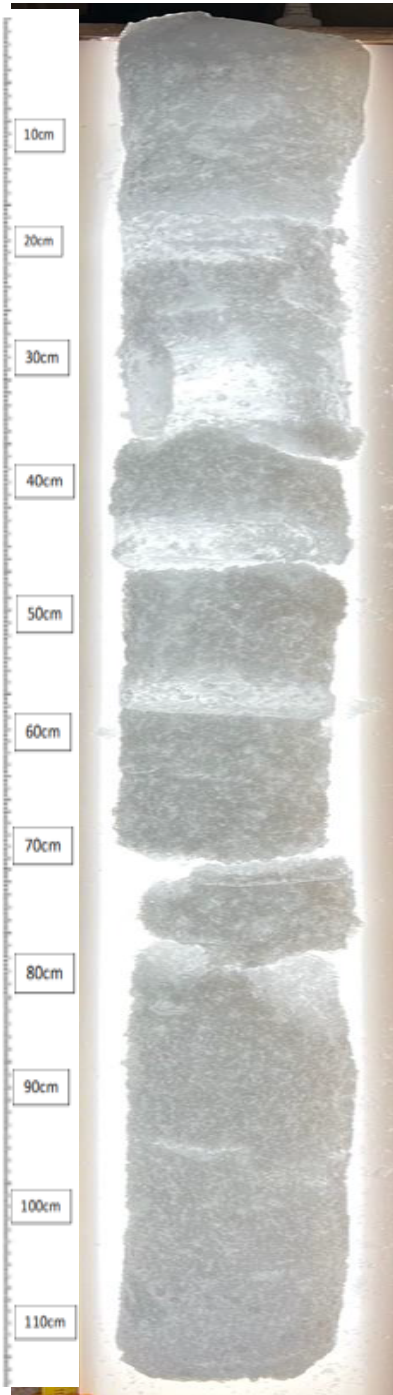
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2572S	-2,7002W
		13b	Shelf Region	D3	
			Length	≈110cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +/- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
					

2021/2022 Antarctic Ice Core logging		Core Number	Coordinates		-70,2573S	-2,6998W
			Shelf Region		D4	
			Length		≈107cm	
			Set temp.		- 20 degrees C	
			Actual temp.		-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image		Test Sections	Description	
				14/01/D4 	Multiple small ice lenses to choose from in this sample, this allowed largest room for error when preparing sample.	
				C14-1	Compression and density tests performed on large ice free bottom layers.	
				D14-1		

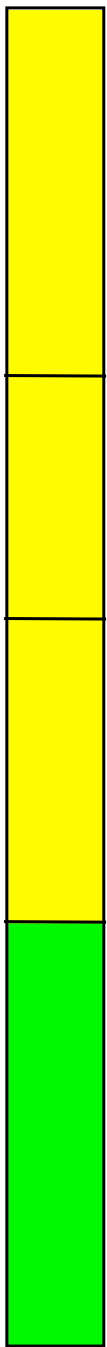
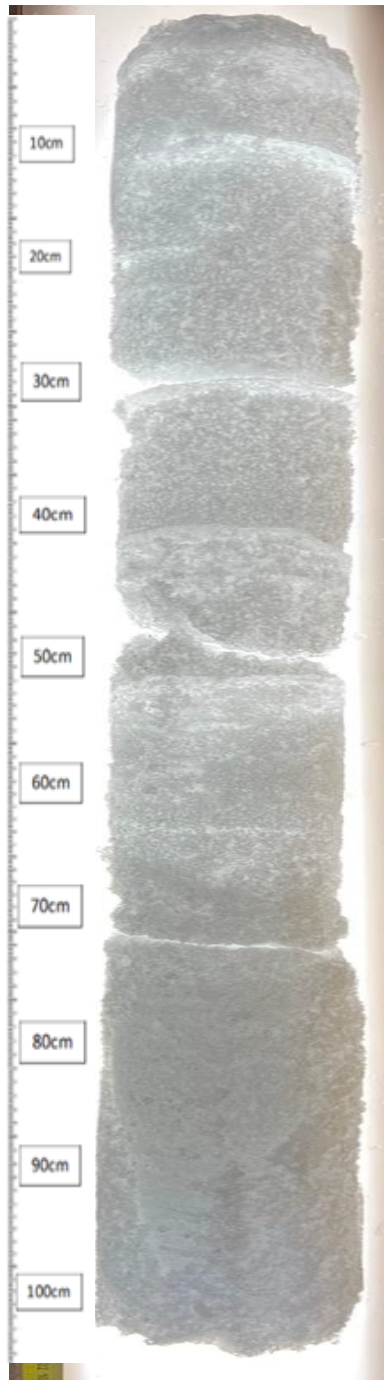
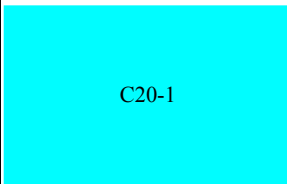
2021/2022 Antarctic Ice Core logging		Core Number 15	Coordinates	-70,2575S	-2,6999W
			Shelf Region	E4	
			Length	≈108cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
			15/01/D4 	Thin section analysis performed in center of very large ice lens, interesting to observe the size of c-axis within the sample.	

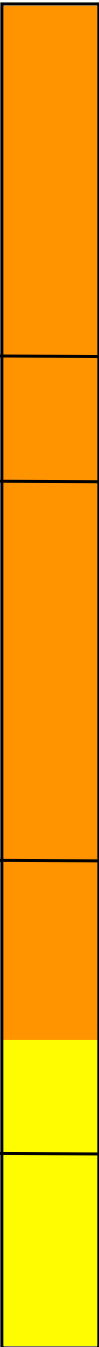
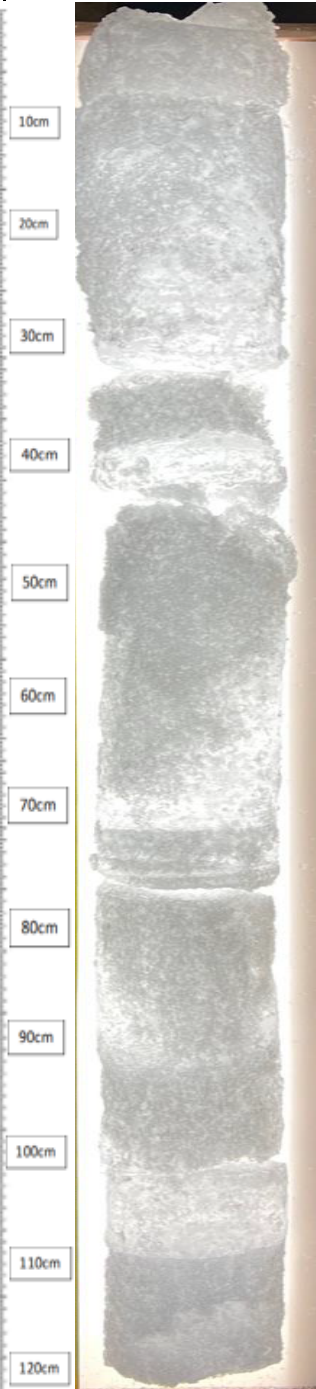
2021/2022 Antarctic Ice Core logging		Core Number 16	Coordinates	-70,2577S	-2,6999W
			Shelf Region	E4	
			Length	≈117cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
					

2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2578S	-2,6997W
		17	Shelf Region	E4	
			Length	≈101cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
					

2021/2022 Antarctic Ice Core logging		Core Number 18	Coordinates	-70,2562S	-2,6990W
			Shelf Region	B4	
			Length	≈114cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
					

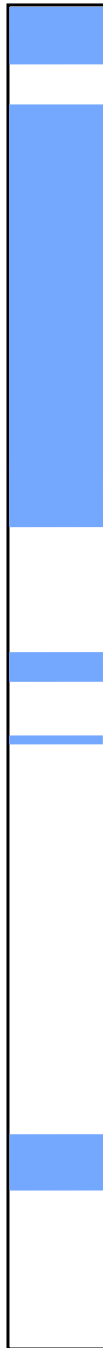
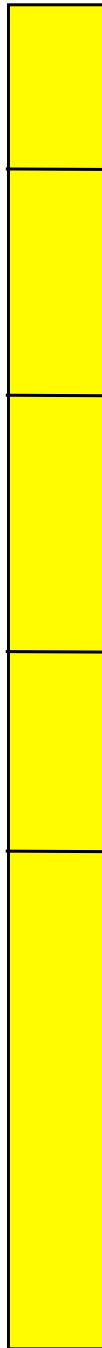
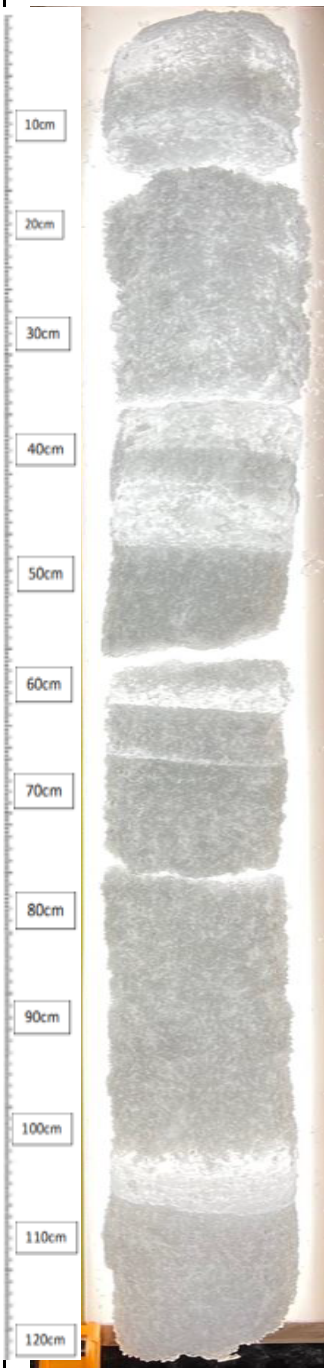
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2568S	-2,6992W
		19	Shelf Region	C4	
			Length	≈119cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +/- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
					

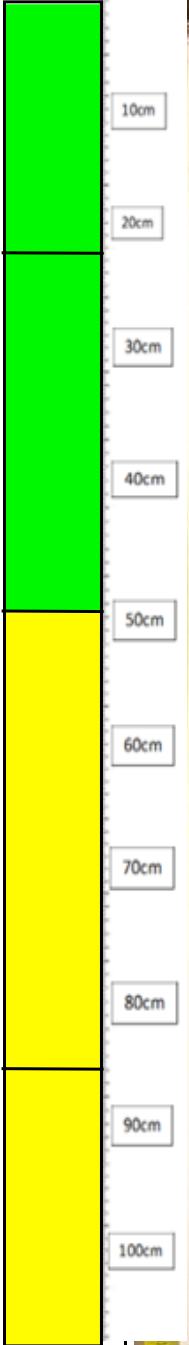
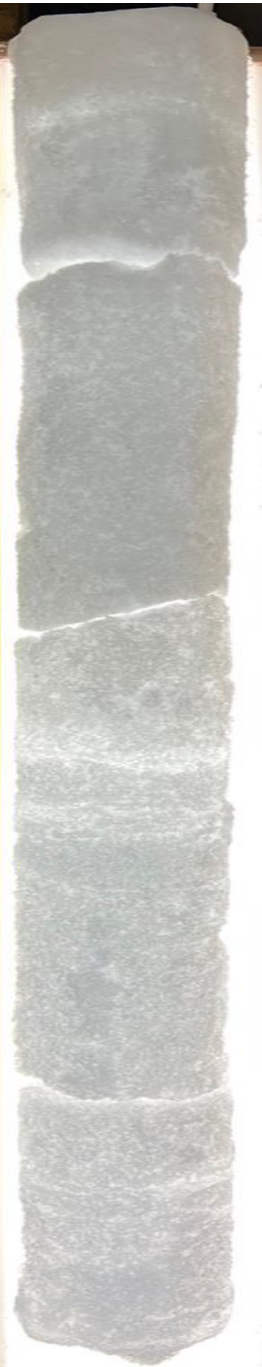
2021/2022 Antarctic Ice Core logging		Core Number 20	Coordinates	-70,2575S	-2,6993W
			Shelf Region	D4	
			Length	≈105cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
				Compression test performed on thick deep snow sample.	

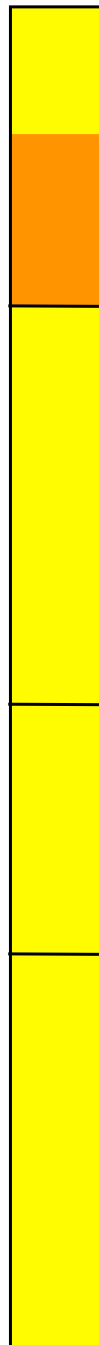
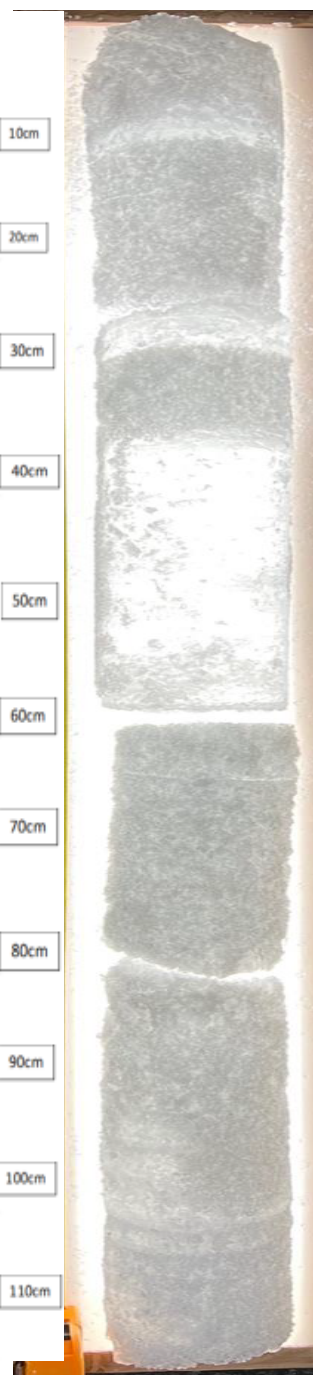
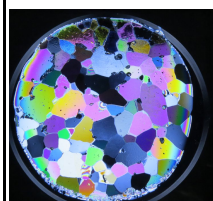
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2578S	-2,6991W
		21	Shelf Region	E4	
			Length	≈120cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +/- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
					

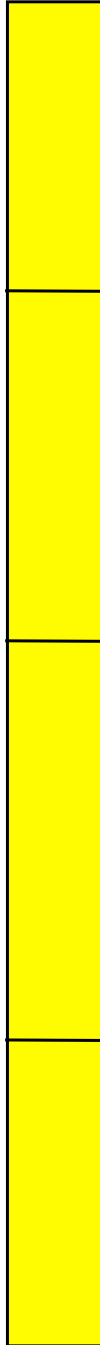
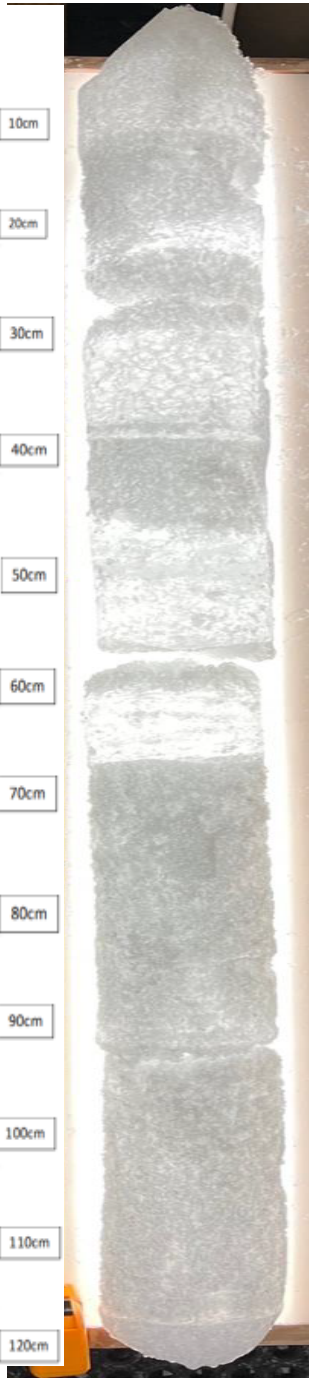
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2561S	-2,6986W
		22	Shelf Region	B5	
			Length	≈112cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	

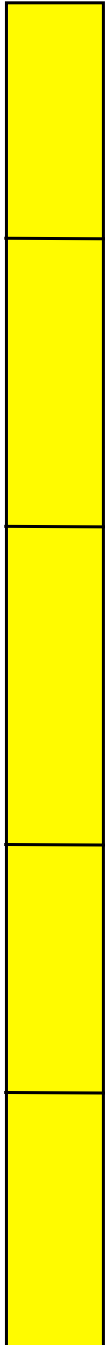
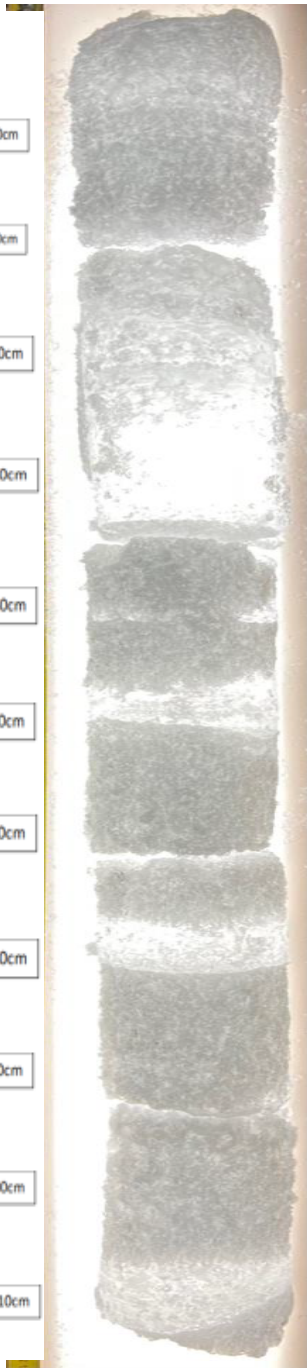
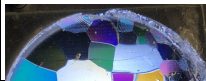
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2577S	-2,6987W
		23	Shelf Region	E5	
			Length	≈110cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
					

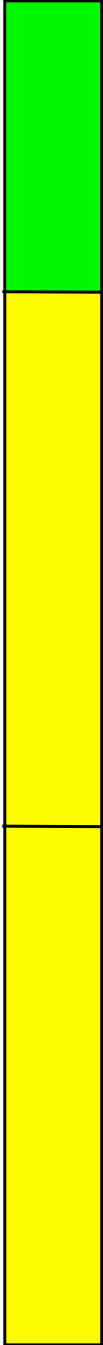
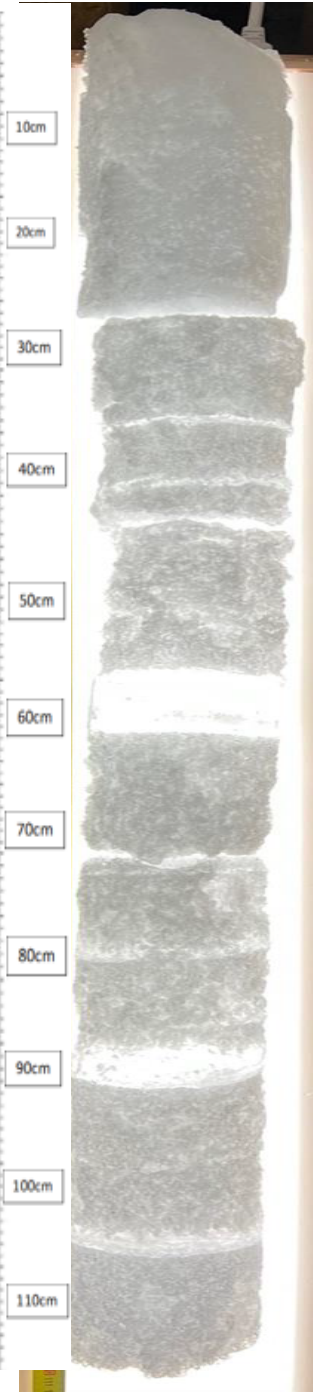
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2565S	-2,6983W	
			Shelf Region	B5		
			24	Length	≈120cm	
				Set temp.	- 20 degrees C	
				Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description		
						

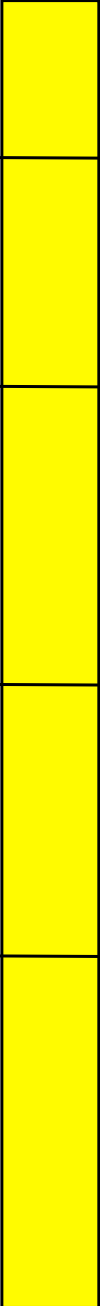
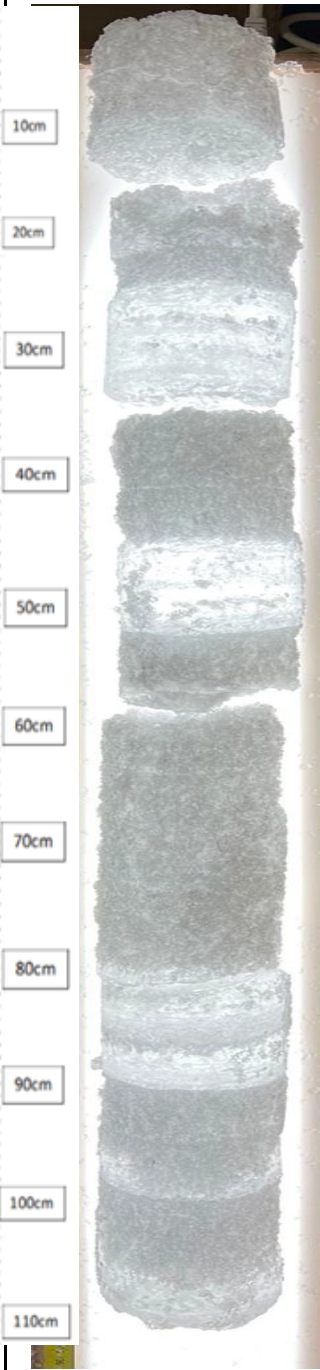
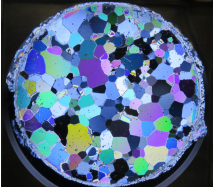
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2571S	-2,6982W
			Shelf Region	D5	
		26	Length	≈107cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
					

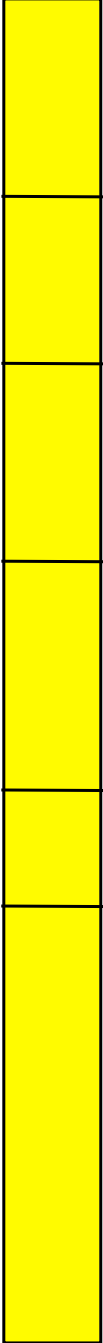
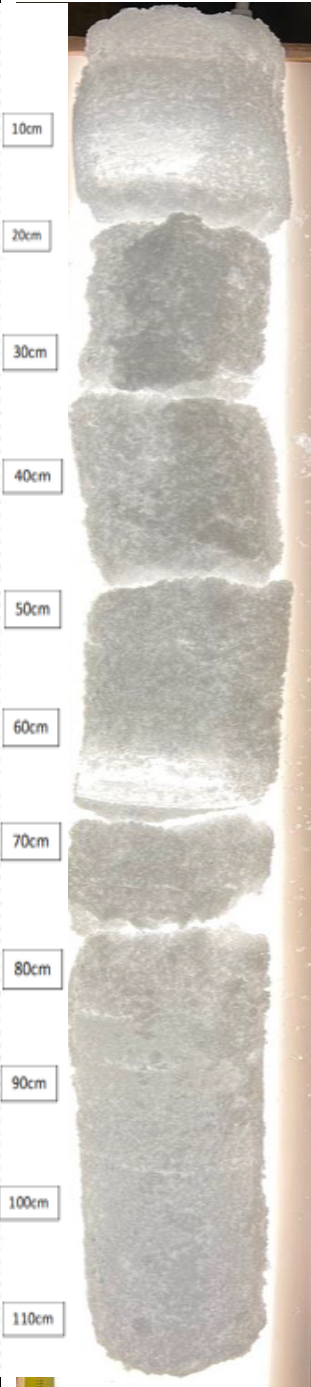
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2559S	-2,6980W		
			Shelf Region	A5			
			28	Length	≈117cm		
				Set temp.	- 20 degrees C		
				Actual temp.	-20 +- 2 degrees C		
Lens location	Stratigra phy	Core Image	Test Sections	Description			
				One of the most dense ice lenses using the initial visual test, will be very interesting to observe crystallography and if there is a large compression value.			
			28/01/A5				
			C28-1				

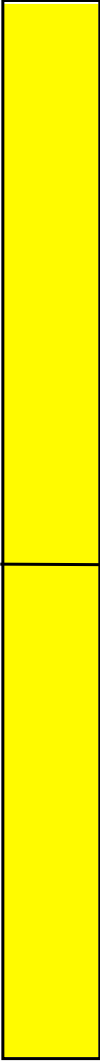
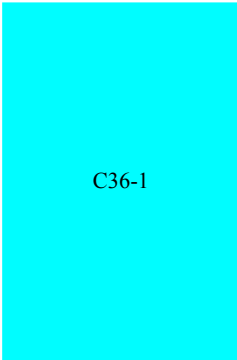
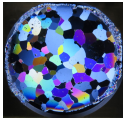
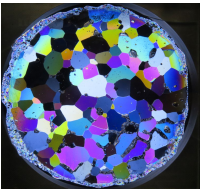
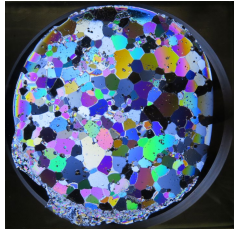
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2562S	-2,6980W	
			Shelf Region	B5		
			29	Length	≈122cm	
				Set temp.	- 20 degrees C	
				Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description		
						

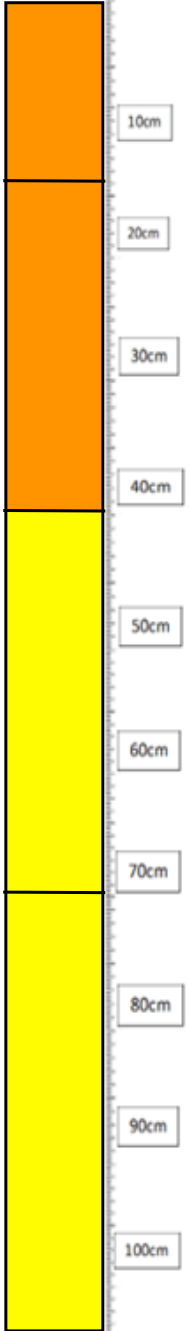
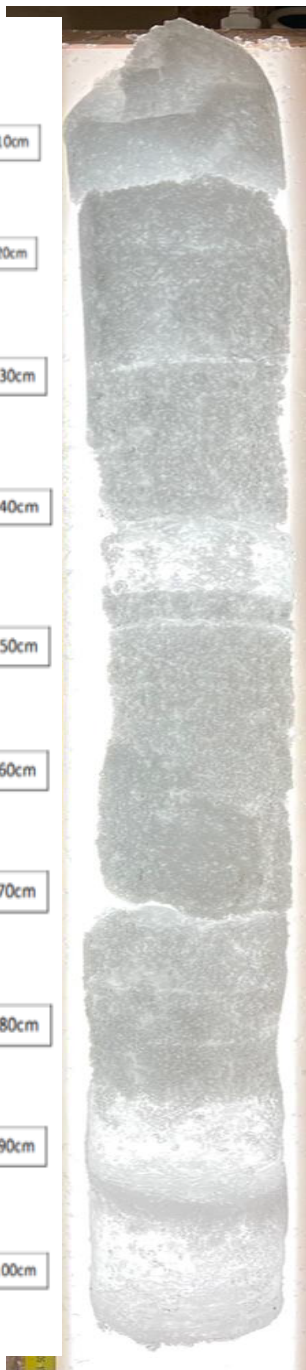
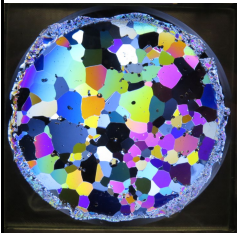
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2564S	-2,6978W	
			Shelf Region	B6		
			31	Length	≈113cm	
				Set temp.	- 20 degrees C	
				Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description		
			D31-1	Density test performed on large ice lens, should yield high result.		
			D31-2	2 density tests performed on similar samples located at the foot of the core.		
			D31-3			
			31/01/B6	Thin section analysis performed on ice lens found at the base of the core.		
						

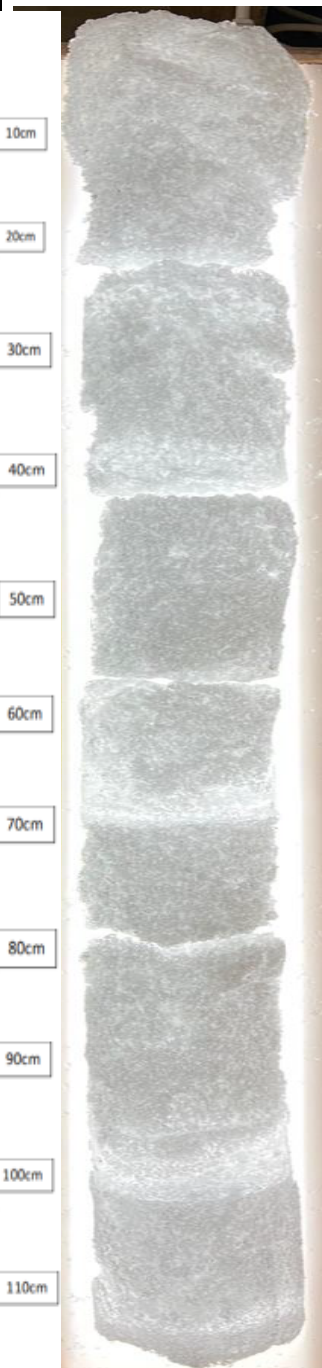
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2569S	-2,6976W
		32	Shelf Region	C6	
			Length	≈114cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image		Test Sections	Description
					

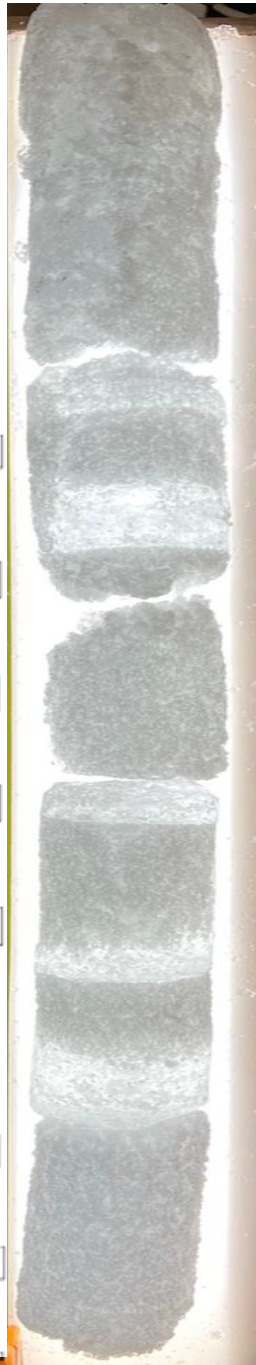
2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2567S	-2,6968W
		34	Shelf Region	C7	
			Length	≈108cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +/- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
			D34-1  34/01/C7 C34-1	Density test performed on thick ice lens section. Thin section analysis performed in the center of ice lens. Compression done on thick section of uniform grain size.	

2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2566S	-2,6962W
			Shelf Region	C7	
		35	Length	≈114cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
					

2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2562S	-2,6989W
		36	Shelf Region	B5	
			Length	≈48cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +/- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
				Compression test performed on the largest ice lens within sample set.	
			36/01/C7 	thin section analysis done on the remaining ice lens not being used for compression test.	
			36/02/C7 	Second Comparison done on ice lens located at base of ice core.	
			36/03/C7 	Third Comparison done on ice lens located at base of ice core.	

2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,5410S	-3,2176W	
			Shelf Region			
			37	Length	≈106cm	
				Set temp.	- 20 degrees C	
				Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description		
			 37-01-D7	large sample area for testing done on ice lens located at base of ice core.		

2021/2022 Antarctic Ice Core logging		Core Number	Coordinates		
			Shelf Region		
			38	Length	≈116cm
				Set temp.	- 20 degrees C
				Actual temp.	-20 +- 2 degrees C
Lens location	Stratigra phy	Core Image	Test Sections	Description	
		10cm 20cm 30cm 40cm 50cm 60cm 70cm 80cm 90cm 100cm 110cm 			

2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	-70,2578S	-2,7023W
		39	Shelf Region	E1	
			Length	≈118cm	
			Set temp.	- 20 degrees C	
			Actual temp.	-20 +- 2 degrees C	
Lens location	Stratigra phy	Core Image	Test Sections	Description	
					

2021/2022 Antarctic Ice Core logging		Core Number	Coordinates	
			Shelf Region	
			Length	≈114cm
			Set temp.	- 20 degrees C
			Actual temp.	-20 +- 2 degrees C
Lens location	Stratigra phy	Core Image	Test Sections	Description
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