MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
Entered By				N/S	Deg	Min.	W/E	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
Hudson	2005	AL18	045	N	67	18.15	W	54	02.21	05	09	05	21	41	249	36 m			
JA, M.O.																			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	(D) Pressure	Temp	Sal.
SC 10L		286601	Bottom	29		5.25	✓	✓				36.12	5.14	32.67
"		286602	10	10		5.24	✓	✓				10.55	5.12	32.65
"		286603	1	1		5.24	✓	✓				2.20	5.12	32.65

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
				N/S	Deg.	Min.	E/W	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
CSS Hudson	2005	ML 7																	
Entered By JAMO	045	005		N	67	15.[redacted]	W	54	28.46	05	09	05	23	05	248	58 m			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments: When entering header info, the event number was mistakenly entered in the station field. The station name was entered in the comments field.

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	TC/TALK	delta O^{18}	Temp °C
SC10L		286604	BTM	52	32.82	5.04	✓	✓				✓	✓	5.038
"		286605	~~BTM~~ 35	35	32.61	5.23	✓	✓					✓	5.155
"		286606	20	20	32.61	5.25	✓	✓				✓	✓	5.158
"		286607	10	10	32.59	5.29	✓	✓					✓	5.190
"		286608	1	2	32.55	5.31	✓	✓				✓	✓	5.190

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
Entered By				N/S	Deg.	Min.	E/W	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
CSS HUDSON MGL	2005	045	086	N	67	13.82	W	54	51.67	06	09	05	07	08	249	58 m			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	Temp						
		286509	BOTTOM	52	32.97							5.05						

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S	Deg.	Min.	Longitude E/W	Deg.	Min	Messenger Down G.M.T. Day	Mo.	Yr.	Hour	Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CSS HUDSON	2005	ML15		N	67	11.55	W	55	19.05	06	09	05	01	19	249	717 m			
Entered By M.O.		0450 07																	

Cloud Amount	Sea Conditions	Precipitation	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	CFC	O^{18}	Tic/TALK	Pres.	Temp	Sal	129 Iodine
		286610	BTM	71			✓						✓	✓	70.87	4.401	33.387	
		286611	50	51			✓					✓	✓	✓	50.107	4.483	33.305	✓
		286612	30	29			✓						✓		29.093	5.168	32.926	
		286613	20	19			✓						✓	✓	19.770	5.112	32.913	
		286614	10	10			✓						✓		10.584	5.119	32.886	
		286615	SFC	2	✓		✓					✓	✓	✓	2.960	5.177	32.873	✓

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S	Deg.	Min.	Longitude E/W	Deg.	Min.	Messenger Down G.M.T. Day	Mo.	Yr.	Hour	Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CSS HUDSON	2005	MU5		N	67	11.97	W	55	18.71	06	09	05	03	00	249	77 m			
Entered By MO		045008																	

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients	Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	Trace Metals
		286616	65								X
		286617	50								X
		286618	20								X
		286619	10								X

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S Deg. Min.	Longitude E/W Deg. Min.	Messenger Down G.M.T. Day Mo. Yr. Hour Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCS HUDSON	2005	ML14		N 67 09.73	W 55 49.88	06 09 05 04 09	249	111 m			
Entered By MO		045009									

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	TKN/NH4	Oxy/Oxy	Pressure	Temp	Sal	Oxy	
		286620	100	107	✓		✓	✓				✓	✓	107.1	3.775	33.58		
		286621	50	50			✓	✓				✓	✓	50.498	4.002	33.438	5.118	
		286622	30	30			✓	✓					✓	30.074	5.014	32.995	5.325	
		286623	20	20			✓	✓				✓	✓	19.887	5.013	32.994	5.337	
		286624	10	10			✓	✓					✓	9.790	5.010	32.986	5.350	
		286625	SFC	1			✓	✓				✓	✓	1.549	5.005	32.977	5.344	

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
				N/S	Deg.	Min.	E/W	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
CSS HUDSON	2005	MLB		N	67	13.0	W	54	51.0	06	09	05			249				
Entered By MO	045															m			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	O^{18}/O^{16}	TIC/TOC				
		286626	Bottom				✓	✓				✓	X				
			100				✓	✓				✓	X				
			50				✓	✓				✓	X				
			30				✓	✓				✓					
			20				✓	✓				✓	X				
			10				✓	✓				✓					
			SFC				✓	✓				✓	X				

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
				N/S	Deg.	Min.	E/W	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
CSS HUDSON	2005	ML13	12	N	67	06.994	W	56	18.990	07	09	05	01	01	250	159 m			
Entered By MO																			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	O_{18}/O_{16}	TK/TOC	Pres	Temp	Sal	Oxy	
		286626	BOT	159			✓	✓				✓	X	157.7	3.34	34.13	5.05	
		286627	100	100			✓	✓				✓	X	100.472	3.266	33.961	5.131	
		286628	50	51			✓	✓				✓	X	50.902	5.160	33.493	5.3	
		286629	30	30			✓	✓				✓		30.24	5.286	33.297	5.364	
		286630	20	20			✓	✓				✓	X	20.285	5.296	33.035	5.507	
		286631	10	10			✓	✓				✓		10.149	5.308	32.960	5.470	
		286632	SFC	2			✓	✓				✓	X	2.213	5.3	32.895	5.414	

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
				N/S	Deg.	Min.	E/W	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
CS HUDSON	2005	045013		N	67	04.88	W	56	40.840	09	05	02	15	25	250	385 m			
Entered By MO																			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments TM were actually taken at event 014

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2 (Oxy)	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	TCO/TALK	O^{16}/O^{18}	TM	CFCS/I	Temp	Pres	Sal
		286633	BOT	381		4.87	✓	✓				X	X		X	4.34	379.9	34.6
		4	300	299		4.93	✓	✓				X			X	4.33	300.1	34.6
		5	250	248		5.09									X	3.286	250.3	34.44
		6	200	199		4.98	✓	✓				X	X	X	X	4.222	200.35	34.9
		7	150	149		4.94									X	2.61	150.69	34.15
		8	100	100		5.03	✓	✓				X	X	X	X	0.78	[redacted]	33.75
		9	50	50		5.24	✓	✓				X	X	X	X	4.199	50.319	33.80
		10	30	29		5.27	✓	✓					X			5.097	30.102	33.53
		11	20	20		5.36	✓	✓				[redacted]	X	VOID		5.151	20.271	33.28
		12	10	10		5.37	✓	✓					X	X		5.15	10.27	33.28
		286643	SFC	2		5.37	✓	✓				X	X		X	5.15	2.25	33.28

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
				N/S	Deg.	Min.	E/W	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
CCS HUDSON	2005	MC12	045	N	67	04.88	W	64	40.84	07	09	05	04	00	250	385 m			
Entered By: MO																			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments: Bottle pre-labeled 286645 broke. Depth 20 was supposed.

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	TM	SAL	NUT				
		286644	200									✓	✓	✓				
		286646	100									✓	✓	✓				
		286647	50									✓	✓	✓				
		286648	10									✓	✓	✓				

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S Deg. Min.	Longitude E/W Deg. Min.	Messenger Down G.M.T. Day Mo. Yr. Hour Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCG HUDSON Entered By MO	2005	MC11	045	N 67 02.74	W 57 02.11	07 09 05 05 14	02 50	680 m			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	Tritium	^{129}I	CFCs	Pres	Temp	Sal	σ_{θ}
		286649	Bottom	665			✓	✓				X	X	X	669.4	2.37	34.97	3.95
		286650	600	600			✓	✓				X		X	604.5	2.29	34.95	3.97
		286651	500	500			✓	✓				X		X	503.96	1.68	34.3	3.91
		286652	400	400			✓	✓				X	X	X	401.89	2.79	34.9	4.27
		286653	300	300			✓	✓				X		X	301.4	1.9	34.28	4.13
		286654	250	250										X	251.03	1.27	34.17	3.97
		286655	200	200			✓	✓				X		X	201.56	1.72	34.12	4.45
		286656	150	150										X	150.68	3.40	34.20	5.15
		286657	100	100			✓	✓				X	X	X	100.50	3.85	34.04	5.14
		286658	50	50			✓	✓				X	X	X	50.26	5.02	33.58	5.25
		286659	30	30			✓	✓					X		30.4	4.92	33.36	5.30
		286660	20	20			✓	✓				X	X		20.1	4.9	33.18	5.37
		286661	10	10			✓	✓					X		10.07	4.8	33.25	5.38
		286662	SFC	3			✓	✓				X	X	X	2.79	5.0	33.25	5.37

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S Deg. Min.	Longitude E/W Deg. Min.	Messenger Down G.M.T. Day Mo. Yr. Hour Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGS HUDSON	2005	ML08		N 66 56.19	W 58 22.71	07 09 05 21 33	250	1037m			
Entered By MO		0021									

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	Pres	Temp	Sal	Oxy			
		286663	Bottom	1011	✓							1019.460	0.777	34.335	3.098			

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S	Deg.	Min.	Longitude E/W	Deg.	Min.	Messenger Down G.M.T. Day	Mo.	Yr.	Hour	Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGS HUDSON	2005	M107		N	66	11.29	W	59	03.16	07	09	05	23	57	250	1061 m			
Entered By MO		045	022																

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments 66°51.0995' N
59°03.3360' W

CTD was put in the water, then, due to condition, retrieved. After, just ~10 minutes wait, it was put in water again and then the probe began. In the meanwhile, 1st Rosette changed to what they are written in this book.

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	Tit TALK	$\delta^{18}O/O_2$	CFC	I^{129}	Pres	Temp.	Sal.
		286664	1300+m	1033	✓	3.24	✓	✓				✓	✓	✓	✓	1043.7	0.898	34.34
		286665	900	891		3.37	✓	✓				✓				900.85	1.00	34.83
		286666	800	792		3.54	✓	✓				✓				799.5	1.096	34.32
		286667	700	694		3.68	✓	✓				✓				700.2	1.34	34.33
		286668	600	594			✓	✓				✓		✓	✓	599.65	1.58	34.33
		286669	500	497		3.86	✓	✓				✓	✓	✓	✓	500.69	1.41	34.3
		286670	400	396		4.09	✓	✓				✓		✓	✓	399.4	1.95	34.27
		286671	300	298		4.48	✓	✓				✓		✓	✓	300.97	2.31	34.2
		286672	250	248		4.23								✓	✓	250.67	0.71	33.92
		286673	200	198			✓	✓				✓		✓	✓	200.44	-0.58	33.65
		286674	150	149		4.97								✓	✓	150.59	-1.38	33.46
		286675	100	98		5.27	✓	✓				✓	✓	✓	✓	99.70	-1.62	33.2
		286676	50	50		5.44	✓	✓				✓	✓	✓	✓	50.78	-1.67	32.95
		286677	30	30		5.33	✓	✓					✓			30.50	-1.55	32.71
		286678	20	20			✓	✓				✓	✓			21.18	-0.18	32.2
		286679	10	10		5.79	✓	✓					✓			11.14	2.44	31.88
		286680	SFC	2		5.76	✓	✓				✓	✓	✓	✓	2.49	2.52	31.39

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
				N/S	Deg.	Min.	E/W	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
CCG HUDSON	2005	MU07		N	66	50.80	W	59	03.65	08	09	05	02	47	251	1061 m			
Entered By MO		045023																	

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients	Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	TM	Nut	Sal
		856681	200								✓	✓ ✓	✓
		2	100								✓	✓ ✓	✓
		3	50								✓	✓ ✓	✓
		4	10								✓	✓ ✓	✓

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGS Hudson	2005	ML06		N/S	Deg.	Min.	E/W	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
Entered By MO	6450	24		N	66	49.5	W	59	33.1	08	09	05	04	55	251	941 m			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients	Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	Pres	Temp	Sal	Oxy			
		286685	Bottom	916	✓						921.19	1.08	34.33	7.43			

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S	Deg.	Min.	Longitude E/W	Deg.	Min.	Messenger Down G.M.T. Day	Mo.	Yr.	Hour	Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGS HUDSON	2005	MC05		N	66	45.51	W	60	04.09	08	09	05	06	49	251	677 m			
Entered By MO		0950 25																	

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments 66°45.48'N
60°04.21'W Ship was drifting to ~~southwest~~ south, slowly during cast.

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	TC/TALK	O_2/O_{18}	CFCs	I^{129}	Pres	Temp	Sal
		286686	Bottom	653	✓	✓	✓	✓				✓	✓	✓	✓	652.8	1.11	34.74
		286687	500	500			✓	✓				✓		✓	✓	504.3	1.02	34.20
		286688	400	400		✓	✓	✓				✓	✓	✓	✓	401.6	0.89	34.12
		286689	300	300			✓	✓				✓		✓	✓	301.120	0.35	33.88
		286690	250	250										✓	✓	251.13	-0.51	33.69
		286691	200	200			✓	✓				✓		✓	✓	201.2	-1.5	33.5
		286692	150	150										✓	✓	151.97	-1.54	33.4
		286693	100	100		✓	✓	✓				✓	✓	✓	✓	101.157	-1.6	33.16
		286694	50	50		✓	✓	✓				✓	✓	✓	✓	50.096	-1.4	32.8
		286695	30	30		✓	✓	✓					✓			30.86	-1.46	32.65
		286696	20	20		✓	✓	✓				✓	✓			20.610	-0.516	32.47
		286697	10	10		✓	✓	✓					✓			10.726	1.56	30.65
		286698	SFC	2		✓	✓	✓				✓	✓	✓	✓	2.54	1.58	30.63

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGS Hudson	2005	ML03		N/S	Deg.	Min.	E/W	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
Entered By: MO	0950 30			N	66	41.59	W	60	48.46	08	09	05	21	34	251	433 m			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments: CTD only no bottles
Depth changed significantly from the time we got a sounding value and by the time we got off the bottom.

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients	Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	Pres
		—	Bottom	433							432.97

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S	Deg.	Min.	Longitude E/W	Deg.	Min.	Messenger Down G.M.T. Day	Mo.	Yr.	Hour	Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CC65 HUDSON	2005	M105																	
Entered By MO	0450	32		N	66	11.60	W	60	11.160	09	09	05	02	18	252	735 m			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	TM	Hg					
		286699	100		✓		✓	✓				✓	✓					
		286700	50		✓		✓	✓				✓	✓					
		286701	20		✓		✓	✓				✓	✓					
		286702	10		✓		✓	✓				✓	✓					

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGS HUDSON				N/S	Deg.	Min.	E/W	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
Entered By MO/BR	2005	MLO5																	
	045033			N	66	47.55	W	60	00.17	09	09	05	02	55	252	741 m			

Cloud Amount	Sea Conditions	Precipitation	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.							
		286703	BOTTOM	718	✓							Press 724.51	Temp 1.187	SAL 34.286				

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
				N/S	Deg	Min	E/W	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
CCGS HUDSON	2005	MLO5	34	N	66	47.39	W	59	59.69	09	09	05	03	26	252	741 m			
Entered By MO																			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	TM	Hg					
		286704	200		✓		✓	✓				✓	✓					
		286705	100		✓		✓	✓				✓	✓					
		286706	150		✓		✓	✓				✓	✓					

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S	Deg.	Min.	Longitude E/W	Deg.	Min.	Messenger Down G.M.T. Day	Mo.	Yr.	Hour	Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGS HUDSON	TM05	ML05																	
Entered By MO			045	035	N	66	44.55	W	60	00.06	09	09	05	14	44	252	741 m		

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	TM	Hg				
		286707	600		✓		✓	✓				✓	✓				
		286708	500		✓		✓	✓				✓	✓				
		286709	400		✓		✓	✓				✓	✓				

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
				N/S	Deg.	Min.	E/W	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
CCGS HUDSON	2085	ML04		N	66	43.77	W	60	28.36	09	09	05	06	49	252	550 m			
Entered By MO		045036																	

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients	Trace Elements Filt.	Trace Elements Unfilt	SPM Vol. Filt.	Pres	Temp	Sal	Oxy			
		286710	BOTTOM	535							534.04	1.06 ~~534.04~~	34.21	3.86			

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude	Longitude	Messenger Down G.M.T.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGS HUDSON	2005	M2-09		N/S Deg. Min.	E/W Deg. Min.	Day Mo. Yr. Hour Min.					
Entered By MO	045	198		N 66 39.17	W 61 15.16	10 09 05 21 36	253	65 m			

Cloud Amount	Sea Conditions	Precipition	Ice Cover 37

Comments sounding 63 m as ship got closer to station

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	Cp	Nutrients	Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	Pres	Temp	Sal	Oxy			
		286711	BOTTOM	56	X						56.50	-1.37	32.76	5.47			

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S	Deg.	Min.	Longitude E/W	Deg.	Min.	Messenger Down G.M.T. Day	Mo.	Yr.	Hour	Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCG HUDSON	2005	ML02	045	N	66	40.49	W	60	58.34	00	09	05	22		253	387 m			
Entered By MO																			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	CFC	I129	TIC/TALK	O16/O18	Pres	Temp	Sal
		286 712	Bottom	370			✓	✓				✓	✓			374.1	0.20	33.57
		286 713	300	298			✓	✓				✓	✓	✓	✓	300.71	-0.66	33.66
		286 714	250	250								✓	✓			250.82	-1.13	33.53
		286 715	200	200			✓	✓				✓	✓	✓		200.12	-1.51	33.36
		286 716	150	153								✓	✓			152.91	-1.403	33.23
		286 717	100	99			✓	✓				✓	✓	✓	✓	100.57	-1.43	33.06
		286 718	50	49			✓	✓				✓	✓	✓	✓	49.46	-1.42	32.70
		286 719	30	29			✓	✓							✓	29.98	-0.551	32.231
		286 720	20	18			✓	✓						✓	✓	19.59	0.80	31.69
		286 721	10	9			✓	✓							✓	10.27	2.66	30.78
		286 722	IFC	2			✓	✓				✓	✓	✓	✓	2.95	2.77	30.76

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
				N/S	Deg.	Min.	E/W	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
CCGS HUDSON	2005	MC02		N	66	40.38	W	60	58.37	09	05	23	55	25	3	m.			
Entered By MO	045040																		

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	TM	Hg	Sal
		723	200	200			✓	✓				X	X	X
			100	100			✓	✓				X	X	X
			50	50			✓	✓				X	X	X
		26	0	10			✓	✓				X	X	X

MARINE CHEMISTRY

ML03

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S Deg. Min.	Longitude E/W Deg. Min	Messenger Down G.M.T. Day Mo. Yr. Hour Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCG HUDSON	2005	41		N 66 41.61	W 60 48.59	1 09 05 01 02 25 54		451 m			
Entered By BR MO											

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments ML03

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	Pres	Temp	Sal	Tritium	O_{18}/O_{16}	~~CFC~~	~~Iron~~
		286 727	BTM	432	✓	3.91	✓	✓				434.99	0.80	34.10	✓	✓		
		286 728	400	397		4.03	✓	✓				400.07	0.43	33.95	✓			
		286 729	300	300		4.42	✓	✓				300.91	-0.50	33.69	✓			
		286 730	200	200		4.93	✓	✓				200.49	-1.24	33.40	✓			
		286 731	100	98		5.22	✓	✓				99.67	-1.47	33.02	✓	✓		
		286 732	50	50		5.51	✓	✓				50.62	-1.46	32.73	✓	✓		
		286 733	30	30		5.89	✓	✓				30.55	-0.86	32.44		✓		
		286 734	20	20		6.55	✓	✓				20.91	1.24	31.63	✓	✓		
		286 735	10	10		6.07	✓	✓				10.93	2.63	30.73		✓		
		286 736	Surface	2		5.87	✓	✓				2.85	2.69	31.63	✓	✓		

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S Deg. Min.	Longitude W/E Deg. Min.	Messenger Down G.M.T. Day	Mo.	Yr.	Hour	Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGS HUDSON	2005	NL01	045	N 67 28.12	W 63 09.07	1	09	05	0825	24		57 m			
Entered By: RRyan															

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	O_{18}	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	Press	Temp	Salinity
		286737	BTM	48		✓		✓	✓	✓			49.04	-1.438	32.615
		738	30	30		✓		✓	✓				31.01	-1.324	32.498
		739	20	20		✓		✓	✓	✓			20.74	0.373	31.432
		740	10	10		✓		✓	✓				10.69	1.774	30.560
		741	Surface	2		✓		✓	✓	✓			2.36	3.267	28.691

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S Deg. Min.	Longitude E/W Deg. Min	Messenger Down G.M.T. Day Mo. Yr. Hour Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGC Hudson	2005	NL02	045	043	N 67 32.82 W	62 37.73	11 09 05 09 58 25	40	0197 m		
Entered By											

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments No samples

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients	Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.					

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S	Deg.	Min.	Longitude E/W	Deg.	Min	Messenger Down G.M.T. Day	Mo.	Yr.	Hour	Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGC Hudson	2005	NL03	044	N	67	37.50	W	62	46.06	09	09	05	10	54	254	137 m			
Entered By																			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients			Trace Elements		SPM Vol. Fil.	P	T	S
										Filt.	Unfil.				
	1	286-742	124	124		✓	✓	✓		✓			124	-1.08	32.96
	2	-743	99.7	99.7		✓	✓	✓		✓			99.7	-1.47	32.92
	3	-744	50.2	50.2		✓	✓	✓		✓			50.2	-1.15	32.52
	4	-745	30.5	30.5		✓	✓	✓					30.5	0.49	31.86
	5	-746	20.3	20.3		✓	✓	✓		✓			20.3	2.72	31.34
	6	-747	8.9	8.9		✓	✓	✓					8.9	3.14	30.36
	7	-748	2.2	2.2		✓	✓	✓		✓			2.2	3.19	30.94

MARINE CHEMISTRY

Vessel / Entered By	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S Deg. Min.	Longitude E/W Deg. Min.	Messenger Down G.M.T. Day Mo. Yr. Hour Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGS Hudson	2005	045	045	N 67 40.65	W 62 36.47	11 09 05 12 01	254	677 m			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments: Tubing may have been left on CTD

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out Prev.	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	TIC/TALK	CFC	Iodine	T	S
		2005 749	Btm	660		✓	✓	✓				✓	✓	✓	1.122	34.265
		750	500	501		✓	✓	✓				✓	✓	✓	0.579	34.123
		751	400	401		✓	✓	✓				✓	✓	✓	0.201	33.880
		752	300	301		✓	✓	✓				✓	✓	✓	-1.044	33.554
		753	200	201			✓	✓				✓	✓	✓	-1.455	33.335
		754	100	100		✓	✓	✓				✓	✓	✓	-1.487	33.004
		755	50	51		✓	✓	✓				✓	✓	✓	-1.276	32.562
		756	30	30		✓	✓	✓							0.570	31.949
		757	20	20.5		✓	✓	✓				✓			2.566	31.458
		758	10	10		✓	✓	✓							3.168	30.925
		759	1	2		✓	✓	✓				✓	✓	✓	3.192	30.860

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
Entered By				N/S	Deg.	Min.	W/E	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
C.C.G. Hudson	2005	MD04		N	67	46.164	W	62	36.556	11	09	05	14	11	254	674 m			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments: No samples. Repeat of NL04 due to problems w/ last cast (CT hours left on sensors)

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients	Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.						

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
				N/S	Deg.	Min.	E/W	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
CCGC Hudson	2005	NL05		N	47	43.3	W	62	28.94	11	09	05	15	42	254	963 m			
Entered By																			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Note bottle pre-labelled NL06, so marked S bottle no 286759.5

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients	Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	P	T	S				
	1		946.4		✓						946.4	1.14	34.37				

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S	Deg.	Min.	Longitude E/W	Deg.	Min.	Messenger Down G.M.T. Day	Mo.	Yr.	Hour	Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CGC Hudson	2005	MOG		N	67	46.11	W	62	11.79	11	09	05	16	35	254	1019 m			
Entered By		045048																	

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients	Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	TTC/TDN	CFC + I	T	S	CFC H
		286760	1000	1008.7		✓	✓✓				✓	✓	0.945	34.34	✓
		61	900	900			✓✓				✓		1.065	34.333	
		62	800	800			✓✓				✓		1.141	34.313	
		63	700	699			✓✓				✓		1.174	34.29	
		64	600	599			✓✓				✓		1.314	34.272	✓
		65	500	499		✓	✓✓				✓	✓	1.017	34.165	✓
		66	400	399			✓✓				✓		0.971	34.103	✓
		67	300	300			✓✓				✓		0.271	33.860	✓
		68	200	199			✓✓				✓		1.474	33.542	✓
		69	100	100.5		✓	✓✓				✓	✓	1.537	33.296	✓
		70	50	48		✓	✓✓				✓	✓	-1.241	32.997	✓
		71	30	33		✓	✓✓					✓	-0.161	32.769	
		72	20	20.5		✓	✓✓				✓	✓	1.680	32.143	
		73	10	10		✓	✓✓					✓	3.224	31.008	
		74	1	2		✓	✓✓				✓	✓	3.276	31.005	✓

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude	Longitude	Messenger Down G.M.T.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGS Hudson	2005	NL07		N/S Deg. Min.	E/W Deg. Min	Day Mo. Yr. Hour Min.					
Entered By	065	04		N 67 50	76W 62 13	5 5 1 1 0 9 0 5 1 9 5 9	254	1289 m			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments bottom at ~1150 m – package hit bottom

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.					

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S	Deg.	Min.	Longitude E/W	Deg.	Min.	Messenger Down G.M.T. Day	Mo.	Yr.	Hour	Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGS HUDSON	2005	NL08	045	N	67	55.106	W	62	03.43	11	09	05	21	45	254	1346 m			
Entered By MO		050																	

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments End lat = 67°55.26'
End lon = 62°03.69'

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	Pres	Temp	Sal	Oxy
		286775	Bottom	1412			✓	✓				1425.61	0.853	34.330	2.330
		286776	1200	1188			✓	✓				1199.65	0.387	34.333	2.669
		286777	1000	993			✓	✓				1001.319	0.813	34.34	3.14
		286778	800	793			✓	✓				799.0	1.09	34.34	3.43
		286779	600	597			✓	✓				601.21	1.32	34.32	3.69
		286780	400	398			✓	✓				400.00	1.18	34.20	3.841
		286781	200	201			✓	✓				200.0	-0.654	33.67	4.44
		286782	100	101			✓	✓				101.6	-1.609	33.165	5.329
		286783	50	58			✓	✓				57.294	-1.71	32.97	5.57
		286784	30	30			✓	✓				30.901	-1.39	32.68	6.14
		286785	20	21			✓	✓				21.40	0.721	31.18	6.60
		286786	10	11			✓	✓				11.41	2.19	30.52	5.98
		286787	SFC	3			✓	✓				3.17	2.18	30.51	5.98

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude	Longitude	Messenger Down G.M.T.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGS HUDSON Entered By MO	2005	NL09	045 05	N/S Deg. Min. N 62 02.96	E/W Deg. Min. W 61 41.25	Day Mo. Yr. Hour Min. 1 20 10 50 0 22 55		698 m			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients	Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	Pres	Temp	Sal	Oxy
		~~286788~~												
		286788	Bottom	1660	✓						1677.0	-0.21	34.33	2.03

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude	Longitude	Messenger Down G.M.T.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGS HUDSON	2005	NL10		N/S Deg. Min.	E/W Deg. Min.	Day Mo. Yr. Hour Min.					
Entered By MO		045052		N 68 10.73	W 61 28.92	20 05 05 25 7	255	1740 m			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments End longitude 61°29.97'
End latitude 68° 10.82'

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	Cp	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	TIC/TALK	O_2/Ar	CFC	I^{129}	Pot.	Temp	Sal
		286 789	BOTTOM	1703			✓	✓				X		X	X	1700.97	-0.24	34.33
		286 790	1600	1600			✓	✓				X		X	X	1600.0	-0.198	34.33
		286 791	1400	1400			✓	✓				X	X	X	X	1401.01	0.008	34.33
		286 792	1200	1200			✓	✓				X		X	X	1200.63	0.42	34.33
		286 793	1000	991			✓	✓				X		X	X	1000.18	0.81	34.34
		286 794	800	793			✓	✓				X		X	X	793.45	1.09	34.34
		286 795	600	592			✓	✓				X		X	X	598.84	1.20	34.31
		286 796	400	399			✓	✓				X		X	X	399.29	2.02	34.29
		286 797	300	309			✓	✓				X		X	X	298.46	1.335	34.07
		286 798	200	198			✓	✓				X		X	X	199.80	-0.51	33.65
		286 799	100	101			✓	✓				X	X	X	X	101.60	-1.670	33.19
		286 800	50	50			✓	✓				X	X			50.18	-1.67	32.83
		286 801	30	29			✓	✓					X			29.91	-0.21	32.005
		286 802	20	20			✓	✓				X	X			20.01	2.155	30.86
		286 803	10	10			✓	✓					X			10.60	2.31	30.67
		286 804	SFC	2			✓	✓				X	X	X	X	2.16	2.30	30.68

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
Entered By				N/S	Deg.	Min.	E/W	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
CCGS HUDSON	2005	NL10	045053	N	68	10.95	W	61	29.79	12	09	05	06	52	255	m.			
MO																			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	TM
		286805	200		✓		✓	✓				✓
		286806	100		✓		✓	✓				✓
		286807	50		✓		✓	✓				✓
		286808	10		✓		✓	✓				✓

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
				N/S	Deg	Min	W/E	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
CCGS HUDSON	2005	NL11	045054	N	68	18.6	W	61	13.7	12	09	05	09	25	255	~~1534~~ m 1734 m			

Entered By MO

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.					
		286809	BOTTOM		✓											

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
Entered By				N/S	Deg.	Min.	W	Deg	Min.	Day	Mo.	Yr.	Hour	Min.					
	2005	NL12	045055	N	65	22.76		60	29.51	12	09	05	11	48	255	1637 m			

Cloud Amount	Sea Conditions	Precipitation	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	P	T	S
		286810	1700	1601	✓		✓	✓				1612.7	-0.124	34.23
		11	1400	1384			✓	✓				1393.3	+0.026	34.33
		12	1200	1196			✓	✓				1198.4	0.448	34.34
		13	1000	1007			✓	✓				1001.4	0.869	34.34
		14	800	800			✓	✓				801	1.068	34.334
		15	600	603			✓	✓				601	1.47	34.338
		16	400	400			✓	✓				400.2	2.166	34.316
		17	300	299			✓	✓				301	2.279	34.217
		18	200	205			✓	✓				203.5	-0.201	33.751
		19	100	99			✓	✓				101.3	-1.605	33.214
		20	50	50			✓	✓				50.4	-1.688	32.917
		21	30	30			✓	✓				30.8	-1.486	32.664
		22	20	20			✓	✓				20.1	2.342	30.972
		23	10	10			✓	✓				10.4	2.341	30.959
		24	Surface	2			✓	✓				2.9	2.391	30.99

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S	Deg.	Min.	Longitude E/W	Deg.	Min.	Messenger Down G.M.T. Day	Mo.	Yr.	Hour	Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
Hudson	2005	WL13		N	68	26.29	W	60	08.71	12	09	51	44	13	255	1480 m		[redacted]	
Entered By		045056																	

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.						

MARINE CHEMISTRY

Vessel / Entered By	Expedition No.	Consec. Station Number	No. Cast	Latitude Y/S	Deg.	Min.	Longitude E/W	Deg.	Min.	Messenger Down G.M.T. Day	Mo.	Yr.	Hour	Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
Hudson	2003	VL14		N	68	28.04	W	75	35.49	12	09	05	16	32	255	~~4802~~ 1298 m			
		045057																	

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments: No Samples.

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients	Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.						

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	Cast No.	Latitude N/S	Deg.	Min.	Longitude E/W	Deg.	Min.	Messenger Down G.M.T. Day	Mo.	Yr.	Hour	Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
Hudson	2005	N 46																	
Entered By		045	068	N	68	29.67	W	59	41.66	12	09	05	13	19	255	876 m 864			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	P	T	S
		2566525	800	857			✓	✓				353.7	1.303	34.400
		26	600	557			✓	✓				351.4	1.523	34.331
		27	400	424			✓	✓				473.2	2.171	34.376
		28	300	400			✓	✓				400.6	1.755	34.293
		29	200	303			✓	✓				300.6	2.406	34.269
		30	100	203			✓	✓				203.1	1.126	33.950
		31	50	99			✓	✓				101.5	-0.321	33.421
		32	20	48			✓	✓				49.7	-0.89	33.03
		33	1	20			✓	✓				20.5	2.237	31.899
		34	1	1			✓	✓				2.7	2.693	31.060

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
				N/S	Deg.	Min.	W/E	Deg.	Min.	Day	Mo.	Yr.	Hour	Min.					
CCGS HUDSON	2005	ML16	045061	N	63	31.48	W	59	27.871	20	09	05	22	28	255	606 m			
Entered By MO																			

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments

No bottles

End lon 59°27.41' W
End lat 63°31.46' N

589.58 bottom depth
5.03 [illegible]

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients	Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.					
		~~286535 Bottom~~													

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude			Longitude			Messenger Down G.M.T.					Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
Entered By				N/S	Deg	Min.	E/W	Deg.	Min	Day	Mo.	Yr.	Hour	Min.					
CCGS HUDSON	2005	NL17		N	68	32.08	W	59	22.40	20	09	05	23	28	255	552 m			
MO	045	062																	

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments Could not get closer to NL17 than ~7.4 c due to iceberg occupying its location.

	Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	Pres	Temp	Sal	O_2
1			286835	Bottom	534			✓	✓				539.45	3.284	34.520	4.501
2			286836	400	397			✓	✓				400.99	3.521	34.508	4.659
3			286837	300	298			✓	✓				300.98	3.38	34.422	4.728
4			286838	200	199			✓	✓				201.413	0.849	33.97	4.33
5			286839	100	99			✓	✓				99.782	-1.08	33.40	5.11
6			286840	50	50			✓	✓				50.871	-1.634	33.110	5.525
7			286841	20	20			✓	✓				20.411	2.419	32.244	5.749
8			286842	SFC	2			✓	✓				2.957	2.670	31.354	5.735

MARINE CHEMISTRY

Vessel	Expedition No.	Consec. Station Number	No. Cast	Latitude N/S Deg. Min.	Longitude E/W Deg. Min.	Messenger Down G.M.T. Day Mo. Yr. Hour Min.	Julian Day	Sounding Depth	Wire Angle	Surface Temperature	Sediment Grab
CCGS HUDSON	2005	NL18 045063		N68 34.114	W59 06.421	30 9 05 0 59	256	307m			
Entered By MO											

Cloud Amount	Sea Conditions	Precipition	Ice Cover

Comments: Positions of 2.67c from station, due to ice.

Sampler Type	Sampler No.	Sample Identifier	Desired Depth	Metres Out	S	O_2	Nutrients		Trace Elements Filt.	Trace Elements Unfilt.	SPM Vol. Filt.	Pres	Temp	Sal	Oxy
		286843	BOTTOM	294	✓		✓	✓				296.48	3.431	34.38	4.40
		286844	200	199			✓	✓				201.01	2.811	34.205	4.64
		286845	100	100			✓	✓				100.08	-0.466	33.482	5.036
		286846	50	50			✓	✓				49.69	-1.67	33.14	5.516
		286847	20	21			✓	✓				20.71	3.45	32.79	5.608
		286848	SFC	3			✓	✓				3.207	3.26	31.97	5.606