

Water Properties Group

DAILY SCIENCE LOG

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Month		July		Year		2007		Ship		LSSL		Cruise ID				2007-19	
Day (UTC)	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Cast Number	Latitude	Position Longitude	Bottom Depth*	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. cleaned	Comments	
	CAA4			NET		0165		74 25.785	93 28.768	170	150						
	CAA4			NET		0166		74 25.785	93 28.768	170	150						
	CAA4			NET		0167		74 25.785	93 28.768	170	150						
	CAA4			NET		0168		74 25.785	93 28.768	170	150						
C 1		14:05		Canine		0169		74° 25.725	93° 28.943	172m							
		15:09						76° 25.063	93° 28.911								
RESOLUT * Start new event #s at 0200																	
0178																	

Cast Type:
BOT = Bottle Cast (no CTD)
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ROS = CTD *plus* Rosette

MOR = Mooring
NET = Plankton Haul
DRF = Drifter

SET = Fish Set
ADC = ADCP

Bottle Firing Method:
US = Up / Stop
UN = Up / No Stop
DN = Down / No Stop

Time Code:
BE = Beginning Time of Cast
BO = Bottom Time of Cast
EN = End Time of Cast

DE = Deployment Time
MR = Messenger Release Time
RE = Recover Mooring Time

Transmissometer to be cleaned for each cast -- do not use
Echosounder Sound Speed Used: _____ m/s
* Depth: From Surface [] From Transducer [] with an offset of: _____ m

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Month					Year			Ship			Cruise ID					
July					2007			LSSL			2007-19					
Day (UTC)	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Cast Number	Position		Bottom Depth*	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. cleaned	Comments
								Latitude	Longitude							
20	-	1959	DE	XBT		0200	20	73 59.6	89 30.5		1800			82		
							75/11									
20	CAAS	2207	BE	ADC		0201										
-			EN													
	CAAS	2217	BE	ROS	US	0202	43	73 31.639	89 30.052	434	100	703	24	82		30m Curtis - all / water 1 bottle
		2230	BO					73 31.612	89 30.136							
		2235	EN					73 31.608	89 30.151							P=0.3 0.4
20	CAAS	2303	BE	ROS	US	0203	44	73 31.550	89 30.514	434	430	704-727	24	82		Picky 2nd 02 is P=0.6 wrong!
		2317	BO					73 31.523	89 30.680							
		2335	EN					73 31.425	89 30.980							P=0.3
21	CAAS	0023	BE	ROS	US	0204	45	73 31.379	89 31.835	440	435	728-749	22	82		600chen / 705
		0035	BO					73 31.357	89 32.120							P=0.4 P=0.2
		0059	EN					73 31.316	89 32.653							
	CAAS		BO	GRB		0205	1	73° 31.29'N	89° 33.08'W	452						
			EN													

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3 GAB

4 Nets

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Day (UTC)	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Cast Number	Position		Bottom Depth*	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. cleaned	Comments
								Latitude	Longitude							
	CAD S		BO	GRB		0206	2	73° 31.28' N	89° 33.65' W	456						
			EN													
	CAD S		BO	GRB		0207	3	73° 31.24' N	89° 34.38' W	456						
			EN													
	CAD S		BO	NET		0208										
			EN													
	CAD S		BO	NET		0209										
			EN													
	CAD S		BO	NET		0210										
			EN													
	CAD S		BO	NET		0211										
			EN													

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Echosounder Sound Speed Used: _____ m/s
 * Depth: From Surface [] From Transducer [] with an offset of: _____ m

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Echosounder Sound Speed Used: _____ m/s
* Depth: From Surface [] From Transducer [] with an offset of: _____ m

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cast Type:	USW = Sea Water Loop	GRB = Benthic Grab	Bottle Firing Method:	Time Code:	IA = In Air	Transmissometer to be cleaned for each cast -- do not use Ammonia products
BOT = Bottle Cast (no CTD)	MOR = Mooring	SET = Fish Set	US = Up / Stop	BE = Beginning Time of Cast	DE = Deployment Time	Echosounder Sound Speed Used: _____ m/s
CTD = CTD (no Rosette)	NET = Plankton Haul	ADC = ADCP	UN = Up / No Stop	BO = Bottom Time of Cast	MR = Messenger Release Time	* Depth: From Surface [] From Transducer [] with an offset of: _____ m
ROS = CTD <i>plus</i> Rosette	DRF = Drifter		DN = Down / No Stop	EN = End Time of Cast	RE = Recover Mooring Time	

35-93 37

Water Properties Group DAILY SCIENCE LOG

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Month				Year				Ship				Cruise ID					
July				2007				LSSL				2007-19					
Day (UTC)	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Cast Number	Position		Bottom Depth*	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. cleaned	Comments	
								Latitude	Longitude								
	22	2004 ⁷	DE	XBT		0221?	75/18	71 53.680	95 38.940	307	307						
	22	CAA9	2156	BE	ROS	US	0222	50	71 50.882	95 48.350	291	286	806-821	16	SN	Y	P=0.3 0.1
		2202	BO						71 50.883	95 48.357							
		2222	EN						71 50.878	95 48.357							
	23	0150	DE	XBT		0223	75/19	71 25.403	97 00.869	254	254						
	23	0524	DE	XBT			75/20	70 59.920	98 00.257	148	148						
	CAA10	1102	BE	ADC		0224		70 39.071	98 34.910								
	CAA10	1122	BE	ROS	US	0225	51	70 39.071	98 34.910	199		822	24	SN	Y	Curtis - 32m	
		1128	BO					70 39.064	98 34.927								P=0.1 P=0.2
		1133	EN					70 39.062	98 34.945								1002 not working

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Echosounder Sound Speed Used: _____ m/s
* Depth: From Surface ☒ From Transducer [] with an offset of: _____ m

Water Properties Group

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Month JULY					Year 2007			Ship LSSL					Cruise ID 2007-19			
Day (UTC)	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Cast Number	Position		Bottom Depth*	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. cleaned	Comments
								Latitude	Longitude							
23	CAA10	1228	BC	ROS	US	0226	52	70 39.044	98 35.100	195	192	823-838	17	SN	Y	Geochem
		1236	BO					70 39.045	98 35.119							
		1251	EN					70 39.043	98 35.152							
23	CAA10	1338	BC	ROS	US	0227	53	70 39.050	98 35.297	197	190	839-860	22	SN	Y	Prody
		1346	BO					70 39.043	98 35.311							
		1359	EN					70 39.034	98 35.345							
	CAA10			NET		0228	54									
	CAA10			NET		0229	55									
	CAA10			NET		0230										
	CAA10			NET		0231										

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Echosounder Sound Speed Used: _____ m/s

* Depth: From Surface ☒ From Transducer [] with an offset of: _____ m

C A A 10

1723 X13 TP. # 48

2210 23 CAA11

0103 XBT # 48

0335 48

0555 49

0730 50

1300 24 CAA12

Water Properties Group

DAILY SCIENCE LOG

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Month <u>July</u>					Year <u>2002</u>			Ship <u>LSSL</u>					Cruise ID <u>2007-19</u>			
Day (UTC)	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Cast Number	Position		Bottom Depth*	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. cleaned	Comments
	CAA10			GB		0232	1	70° 39.029' N	98° 35.382' W	206						
	CAA10			GB		0233	2	70° 39.017' N	98° 35.425' W	209						
	CAA10			GB		0234	3	70° 39.007' N	98° 35.445' W	209						
23		1723	DE	XBT		0235	T5/21-24	70 16.311	99 00.169	200	Probes	21-23 failed, 24 was good				
	CAA11	2210	BE	ROS		236	34	69 53.700	99 31.575			861-868				
			EN					69 53.165	99 31.585							
					Time Zone Change of -1 hr. UTC is now local + 4hr											
24		0103	DE	XBT		248*	T5/25	69 31.08	100 02.73	61	61					} event numbers assigned later, out of order sz
24		0335	DE	XBT		249*	T5/26	69 11.519	100 46.490	72	72					
24		0556	DE	XBT		250*	T5/27	68 36.290	101 41.550	45	45					
24		0750	DE	XBT		251*	T5/28	68 43.489	102 42.546	108	108					
24	CAA12		BE	ADC		232										

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Day (UTC)	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Cast Number	Position		Bottom Depth*	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. cleaned	Comments
	CAA 12	1300	BE	ROS	US	0238	55	68 40.765	103 55.052	107	100	870-880	11	SL	Y	Goche
		1305	BO					68 40.759	103 55.062	107	90	881-890	10			Karen-Prdh
		1318	CU					68 40.650	103 55.072							
	CAA 12	1417	BE	ROS	US	0239	56	68 40.418	103 55.023	103	90	891-902	12	sn	Y	Prdh
		1425	BO					68 40.371	103 54.987							
		1436	CU					68 40.336	103 54.962							
	CAA 12			NET		0240	57									
	CAA 12			NET		0241	58									
	CAA 12			NET		0242	59									
	CAA 12			NET		0243	60									

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Echosounder Sound Speed Used: _____ m/s
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37 1/2 50

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Month					Year			Ship					Cruise ID			
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								Latitude	Longitude							
	CAA12			GRB		0244	1	68°40.353'N	103°54.830'W	109						
	CAA12			GRB		0245	2	68°40.292'N	103°54.888'W	107						
	CAA12			GRB		0246	3	68°40.246'N	103°54.814'W	108						
24	CAA12	1212	BE	MOS	US	0247	57	68 40.974	103 55.032	103	94	89 90	3 24	8r	Y	Curtds
		1219	Bo					68 40.940	103 55.043							D=0.3
		1226	EN		?			68 40.937	103 55.007							labeled as SS-54
																changed
24		1819	DE	XBT		0252	T5/29	68 49.600	105 17.803	64	64					

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								Latitude	Longitude							
24	CAA13	2020	BE	ROS	UN	0253	58	68 55.897	105 45.073	corrected 103	1041	904-910	7	sz/jc	✓	Geochem Cart
			BO					—	—							
		2035	EN					68 55.829	105 44.741							
24		2256	DE	XBT		0254	T5/30	68 57.86	106 30.18	91	91			jc		
25		0033	DE	XBT		0255	T5/31	68 47.92	107 51.99	76				jc		
	CAA14		BE	ADC		0256										
25	CAA14	0145	BE	ROS	US	0257	59	68 42.415	108 29.711	126	121	911-918	8	sz/jc	✓	Geochem Cart
		0203	EN					68 42.400	108 29.776							
		0252	DE	XBT		0258	T5/32	68 39.115	108 56.057	106	106			jc		
			DE	XBT		0259										
			DE	XBT		0260										

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								Latitude	Longitude							
25	CAA15	0740	BE	ROS	-	0261	60	68 25.336	111 59.702	233			-	S2/JE		No Bottles
		0755	EN	(CTD)												CTD only
																in air pressure = 0.3 db
																PAR cover left on for cast
																Nitrate sensor to ϕ at 30m on upcast.
																B. H. eg?
	CAA16	1313	BE	ROS	US	262	61	68 22.999	113 6.901	222	216	919-940	22			PRdy - cast
		1322	BO					68 22.920	113 6.932							Woz scans to be fine now.
		1336	EN					68 22.969	113 6.545							P=0.4
	CAA16	1435	BE	ROS	US	263	62	68 22.944	113 7.144	216	210	941-952	12			Geochem 0.4
		1444	BO					68 22.859	113 7.018							
		1459	EN					68 22.744	113 6.355							
	CAA16		BE	ADC		264										

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