

DAILY SCIENCE LOG BOOK

MISSION
NUMBER

2008-07

DATE:

From: 24-Mar-08

to: 31-Mar-08

VESSEL:

CCGS VECTOR

PROJECT(S):

Water Properties Group
Fisheries and Oceans Canada
Institute of Ocean Sciences
Ocean Sciences Division
Sidney, BC, Canada

WaterProperties.ca

Captain: Andrew Quayle
 Second Officer: Math
 Fishing Master: _____
 First Officer: Nick
 Third Officer: _____

Mission Participants / Agencies: 705

Scientific Personnel:		Chief Scientist:	Watch	Cabin	Watch	Cabin
Name						
Dario Stucchi		Dario Stucchi				
Mike Foreman						
Lucius Perreault						
Dave Spear						
Edmond Fok						
Doug Anderson						
Shelia Sloman						
Melissa Galbraith						

[illegible]

Data logging computer: HP Compaq - II

Data acquisition program: Seasave V7.16

CTD deck unit make: Seabird model: 11plus serial number: G4241

Primary CTD

Make: Seabird model: 9plus serial number: 0443

Primary temperature serial number: 4054

Primary conductivity serial number:	2399
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Secondary temperature serial number: 4700

Secondary conductivity serial number: 3184

Transmissometer: Wetlab Model: CSTAR s/n: 1305 DR

Fluorometer: Model Seapoint Cable gain: 10 s/n: 3228

Oxygen sensor: Seabird Model: SBE43 s/n: 1171 ☒ YES or ☐ NO pump? 1171 ☒ YES or ☐ NO pump?

PAR sensor: _____ s/n: _____
 Model: _____ s/n: _____

Other sensors: Benthos Altimeter S/n: 1252 P. S or NO pump?

Other sensors:

S/n: _____

P S or NO num? _____

I, S or NO pump! _____

S/n: _____

P S or NO num? _____

Other sensors: _____
 I, S or NO pump? s/n: _____
 P S or NO pump? s/n: _____

Other sensors:

R, S or NO pump! s/n: _____

P S or NO numm? s/n: _____

Secondary CTD

Make: _____ model: _____ serial number: _____

Primary temperature serial number: _____

Primary conductivity serial number:

Secondary temperature serial number:

Secondary conductivity serial number:

Transmissometer: _____
Model: _____
s/n: _____

Fluorometer: Model _____ Cable gain: _____
s/n: _____ s/n: _____

Oxygen sensor: _____
 Model: _____
 s/n: _____

PAR sensor: _____ Model: _____ s/n: _____

Other sensors: _____
s/n: _____

Other sensors: _____ s/n: _____

Other sensors: _____
s/n: _____

CTD calibration bottle location (height above CTD in metres):

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month March Year 2008 Ship VECTOR Cruise ID 2008-07

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
26	KIW06-N	00:00		MOR			50° 40.210	126° 6.848	167						
25	OPP SGT	2316	BE	NET			50 40.36	126 11.78		0-1					OPPOSITE SGT PASS FARM
		2326	EN				50 40.10	126 11.6							
	N. SGT	2335	BE	NET			50 41.18	126 11.85		0-1					NORTH OF SGT PASS
		2345	EN				50 41.2	126 11.51							
	SGT	2353	BE	NET			50 41.18	126 11.41		0-1					SGT PASS FARM
26		0003	EN				50 41.17	126 11.2							
26	L2b	0350	BE	ROS		001	50° 40.12	126° 06.84	193						
		0357	BO				50 40.12	126 06.87		187			M	✓	
		04:01	EN				50° 40.111	126° 6.889							
26	L2c	04:13	BE	ROS		002	50° 39.916	126° 6.755	124	158			DJS,S.S.	✓	
		04:19	BO				50° 39.922	126° 6.756							
		04:23	EN				50° 39.937	126° 6.772				0			
26	L2d	04:40	BE	ROS		003	50° 39.411	126° 6.59	166					✓	
		04:45	BO				39.612	6.582				10			
		04:59	EN				39.575	6.566							

Cast Type:
BOT = Bottle cast, no CTD
CTD = CTD without Rosette
ROS = Rosette plus CTD
SET = Fish Set

USW = Sea Water Loop
MOR = Mooring
NET = Plankton Net Haul
DRF = Drifter

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

Notes:

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 before each cast, do not use Ammonia products

Produced by the Water Properties Group, IOS

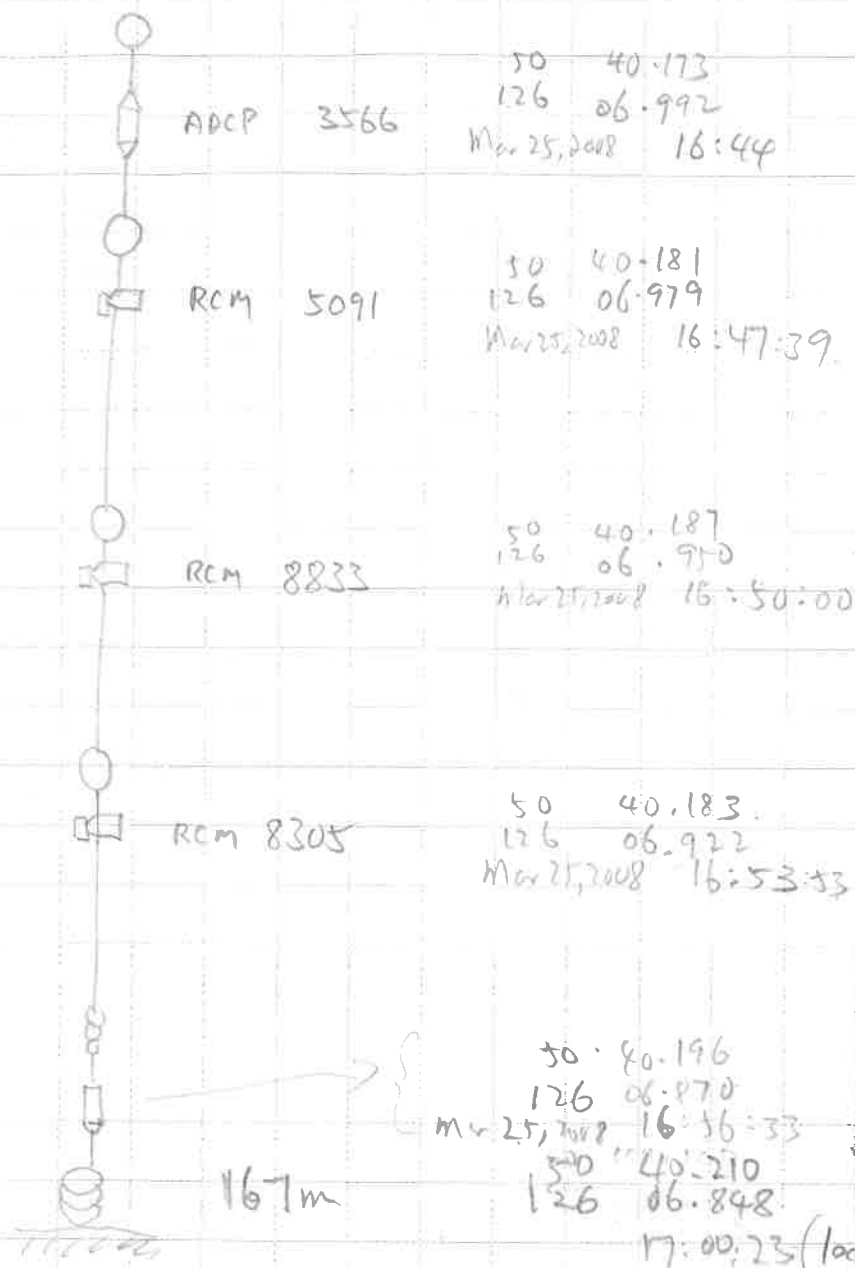
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This page is for any notes or observations

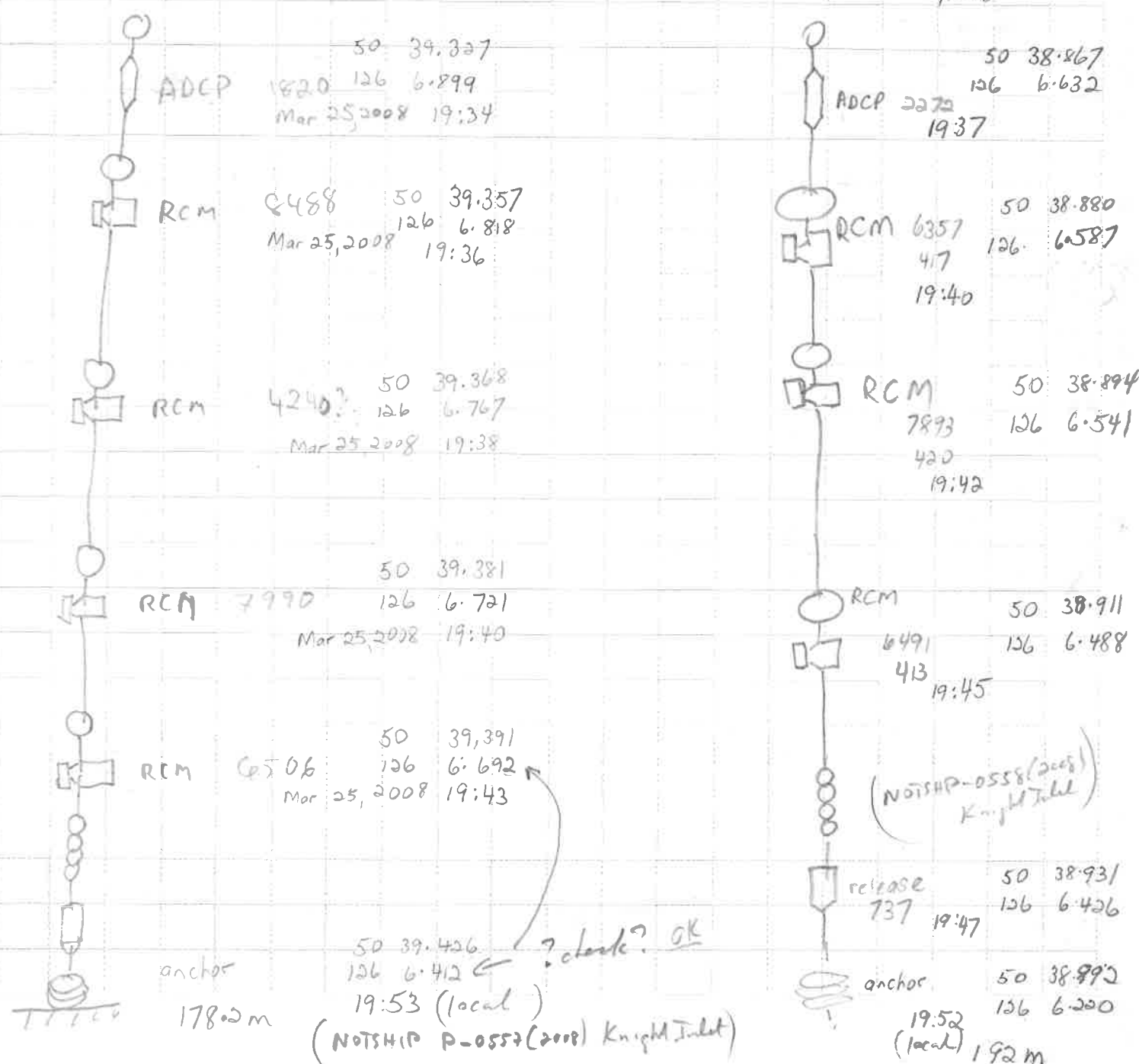
March 26, 2008

KIW06-N

KIW06-Mid



NOTSHIP P-0557(2008) Knight Inlet



DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month March				Year 2008			Ship VECTOR				Cruise ID 2008-07				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
26	L20	0527	BE	ROS		004	50° 37.242	126° 06.318	183	175			DJ MF	✓	
		0533	BO				50° 39.328	126° 06.329							
		0537	EN				50° 39.194	126° 06.304							
26	L28	0547	BE	ROS		005	50° 39.060	126° 06.209	192				MF ROS		
		0552	BO				50° 39.065	126° 06.202							
		0556	EN				50 39.066	126 06.214							
26	Prot 1	0655	DE	DRF			50° 39.013	126° 10.021			PIP#1		PIP		Pip 23:07
	Prot 2	07:00	DE	DRF			50 39.76	126 10.003			WENDY#1		WENDY		Wendy 24:00:00
	Prot 3	07:03	DE	DRF			50 39.398	126 10.005			DARIO#1		DARIO		Dario 00:03
	Prot 4	07:10	DE	DRF			50 39.703	126 10.006			JILL#1		JILL		Jill 00:10:22
	Prot 5	07:14	DE	DRF			50 39.908	126 10.004			RON#1		RON		Ron 00:14:50
26	L1F	0849	BE	ROS		006	50 41.03	125 50.67	296						
		0858	BO				50 41.08	125 50.66		300			DR EF	✓	
		0903	EN				50 41.04	125 50.67							
26	L1E	0919	BE	ROSS		007	50 41.17	125 50.70	348						
		0928	BO				50 41.19	125 50.68		342			DR EF	✓	
		0933	EN				50 41.18	125 50.67							

KIW-05 Recovery March 26, 2008

POT

0730 On Station
Clear Rosette & Cable out of the way

0749 Sent CALL - Enable / Range 198 196 194 192
178 175 176 176 177 moving away

0753 Sent CAIS - Release 178 m On surface ~ 50 m away

TCS-05 Recovery March 27, 2008

0735 Sent 6422 Enable 384 382 381 383

0736 Sent 6421 Arm + 6484 Release 388 392 received & executed

0737 On Surface

0749 AOC P on board

0752 RCM 8839 out of water rotor spinning freely

0757 RCM 8830 " "

0801 RCM 7897 " "

0804 RCM 7498 " "

0809 acoustic release "

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month March				Year 2008			Ship VECTOR				Cruise ID 2000-07				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
26	LID	0948	DE	ROS		008	50 41 50	125 50 67	326				DA EF		
		0938	BO				50 41 49	125 50 66		320	11-23	13		✓	
		1014	EN				50 41 50	125 50 66							
26	LIC	1039	DE	ROS		009	50 41 80	125 50 68	316						
		1046	BO				50 41 80	125 50 65		310		-	DA EF	✓	
			EN												
26	LID	1104	DE	ROS		010	50 41 95	125 50 63	232						
		1111	BO				50 41 95	125 50 63		225			DA EF	✓	
			EN				50 41	125 50							
26	KIW05	1453	RE	MOR			56° 39.345	126° 9.925							Release code sent
26		1605	RE	DRF	RON				on the rocks, south shore		She wall Is				
26	Prot5	1625	DE	DRF	RON		50° 39.911	126° 10.045							

KIWO5

Time Out
of water

This page is for any notes or observations

ADCP

1505

RCM

1508

ROTOR SPINNING FREELY

RCM

1513

"

"

"

RCM

1517

"

"

"

RCM

1522

"

"

"

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month March				Year 2008			Ship VECTOR				Cruise ID 2008-07				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
26	L3a	17:50	BE	ROS		011	50 38.718	126 21.272	76					✓	
		17:53	BO				50 38.717	126 21.254							
		17:55	EN				50 38.718	126 21.234							
	L3b	18:10	BE	ROS		012	50 38.491	126 21.284	193					✓	
		18:13	BO				50 38.496	126 21.275							
		18:17	EN				50 38.490	126 21.278							
26	L3c	18:27	BE	ROS		013	50 38.488	126 21.269	211		24-34	11		✓	
		18:31	BO				50 38.278	126 21.277							
		18:50	EN				50 38.288	126 21.292							
26	L3d	20:37	BE	ROS		014	50 38.083	126 21.258	213				EE/DA		
		20:46	BO				50 38.063	126 21.212						✓	
		20:51	EN				50 38.065	126 21.191							
26	L3e	21:09	BE	ROS		015	50 37.826	126 21.263	44				EE/DA		
		21:12	BO				50 37.819	126 21.233		34					
		21:14	EN				50 37.823	126 21.247							
26	CC2	22:15	BE	ROS		016	50 34.186	126 29.306	70				EE/DA		
		22:20	BO				50 34.193	126 29.299		58					
		22:22	EN				50 34.195	126 29.293							

DAILY SCIENCE LOG

Month				Year			Ship			Cruise ID					
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
26	CC1	23:17	BE	ROS		017	50 36.280	126 21.373	118		35-41	7			
		23:23	BO				50 36.292	126 21.391		108					
		23:32	EN				50 36.289	126 21.445							
26		23:30	RE	DRF											
		00:41	RE	DRF											
27		00:55	RE	DRF											
27	Prot 5	01:40	DE	DRF			50° 39.909	126° 9.991							
27	Prot 3	01:12	DE	DRF			50° 39.398	126° 10.005							
27	Prot 1	01:17	DE	DRF			50° 39.013	126° 10.021							
27	KIW06-S	02:52	DE	MOR			50° 38.992	126° 6.220	192 (lab)						
27	Kn 5	04:38	BE	ROS		018	50 41.597	125 47.003	403		42-55	14	NF + OJS	✓	2nd set of oxy
		4:48	BO				50 41.614	125 46.999		390					samples taken to
		5:08	EN				50 41.659	125 47.075							test new
															Bruhlmann system

Transmissometer to be cleaned before each cast. do not use Ammonia products

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

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[illegible]

Cast Type:

BOT = Bottle cast, no CTD
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Bottle Firing Method:

US = Up / Stop
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Notes:

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Transmissometer to be cleaned before each cast, do not use Ammonia products

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Month <u>03</u>				Year <u>2008</u>			Ship <u>UZC70K</u>			Cruise ID <u>2008-07</u>					
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
27	Kn 4	5:58	BE	ROS		019	50 40.882	125 56.219	447	435				✓	
		6:10	BO				50 40.868	125 56.216							
		6:19	EN				50 40.848	125 56.203							
27	Kn 3	07:06	BE	ROS		020	50 40.207	126 04.000	193				ZF/DA		
		07:13	BO				50 40.210	126 04.009		183					
		07:16	EN				50 40.206	126 04.013							
27	KN2	08:00	BE	ROS		021	50 39.275	126 10.996	191						
		08:07	BO				50 39.293	126 10.999		180			GF/DA		
		08:10	EN				50 39.302	126 11.003							
27	KN1.5	08:53	BE	ROS		022	50 38.312	126 18.085	208				ZF/DA		
		09:00	BO				50 38.326	126 18.083		198					
		09:03	EN				50 38.335	126 18.080							
27	KN 1	09:45	BE	ROS		023	50 38.090	126 25.297	261		56-67	12			
		09:54	BO				50 38.099	126 25.286		251					
		10:09	EN				50 38.134	126 25.286							
27	KN0	11:00	BE	ROS		024	50 38.296	126 34.976	65						
		11:04	BO				50 38.312	126 34.979		55					
		11:06	EN				50 38.316	126 34.984							

Cast Type:

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Bottle Firing Method:

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 UN = Up / No stop
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Notes:

Time Code:

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

DE = Deployment Time
 MR = Messenger Release Time
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Transmissometer to be cleaned before each cast, do not use Ammonia products

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Month <u>March</u>				Year <u>2008</u>			Ship <u>VECTOR</u>				Cruise ID <u>2008-07</u>					Page <u>8</u> of <u> </u>	
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments		
							Latitude	Longitude									
27	TCS05	1436	RE	MOR											Tribune Channel mooring recovered		
27			RE	DRF													
27			RE	DRF											DARIO picked up near east end of Lady Is		
27		~1602	RE	DRF											RON picked up in Knight Inlet		
27		~1601	RE	DRF											WENONA picked up in entrance to		
27		1728	RE	DRF			50° 38.310	126° 18.314							JILL } Chatham Channel		
															PIP picked by VECTOR in Knight Inlet		
27	TCS06		DE	MOR			50° 43.699	126° 10.476									
27	HOEYA	1930	BE	NET			50 41.30	125 58.63		0-1					HOEYA HEAD		
		1942	EN				50 41.36	125 58.91							DARIO AT WEATHER STN		
	PROM PT	2011	BE	NET			50 40.06	126 00.12		0-1					PROMINENT POINT		
		2021	EN				50 40.01	125 59.81									
	OPP SHEL	2035	BE	NET			50 39.32	126 04.59		0-1					OPPOSITE SHELTERLESS		
		2045	EN				50 39.43	126 04.31									
	SHEL	2054	BE	NET			50 40.57	126 05.49		0-1					SHELTERLESS POINT		
		2104	EN				50 40.46	126 05.87									
Cast Type: <u> </u> USW = Sea Water Loop Bottle Firing Method: <u> </u> Time Code: <u> </u>																	

Cast Type:

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 CTD = CTD without Rosette
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USW = Sea Water Loop
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Bottle Firing Method:

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Notes:

Time Code:

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 EN = End Time of Cast
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Transmissometer to be cleaned before each cast, do not use Ammonia products

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26 March - 2008 Shewall Weather Station

- downloaded data
- changed batteries (3 calls)
- restarted 3 beeps
- could not check time nor tighten guy wires

(TX = 3 from downloaded data)

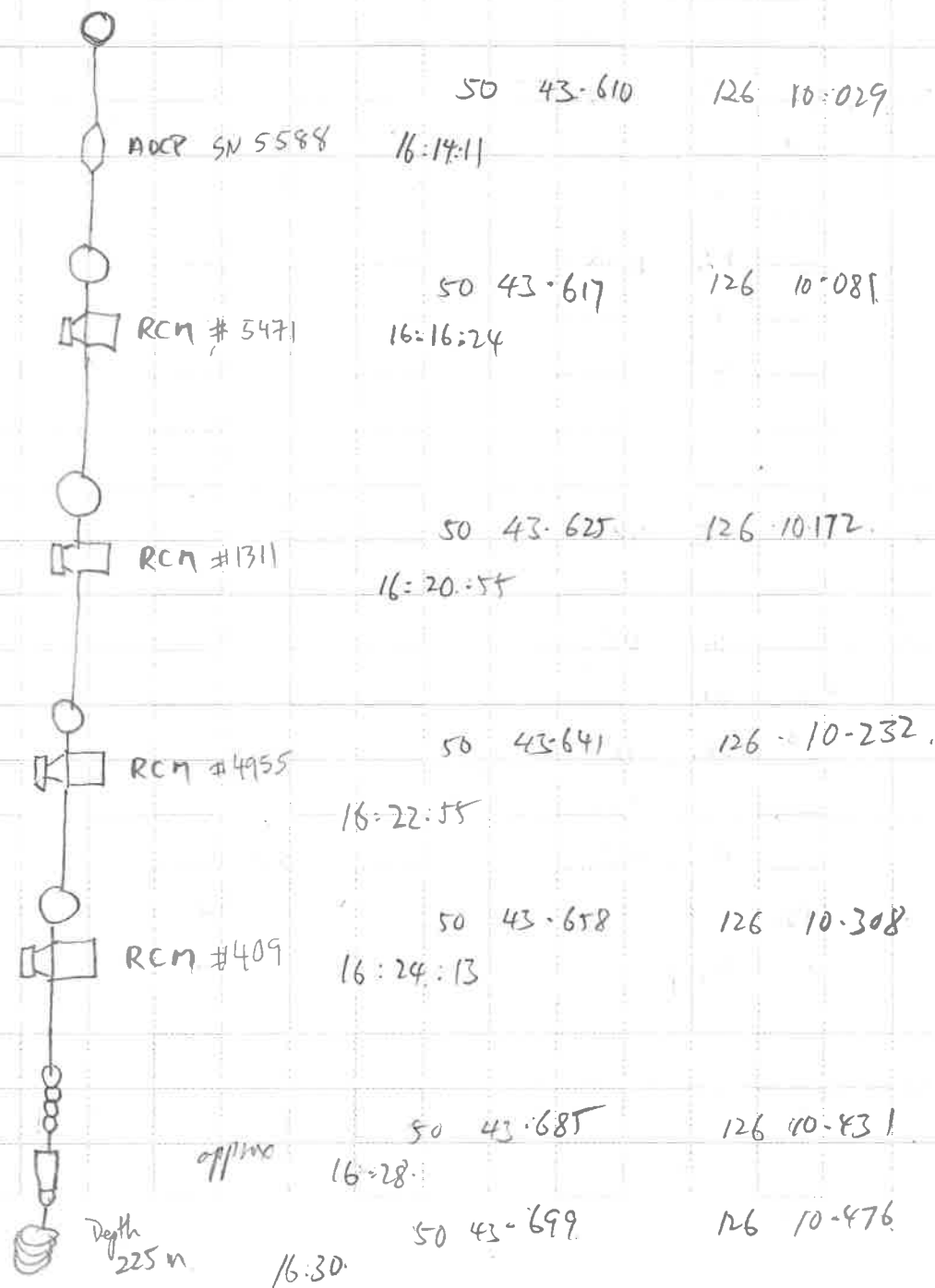
27 March - 2008 - Hooya Hd Weather Station
1939 UTC

- downloaded data
- time check: console time 3 minutes slow
- changed batteries (3 calls)
- restarted 3 beeps
- set time 1946 UTC
- data seems ok
- tightened one guy wire + zip-tied it.

(TX = 5 from downloaded data.)

TCSOG

This page is for any notes or observations



DAILY SCIENCE LOG

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Month <u>March</u>				Year <u>2008</u>			Ship				Cruise ID <u>2008007</u>				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
28	K ₂	0250	BE	ROS		25	50 39.289	126 11.018	192				DS	✓	
		0255	BO				50 39.311	126 11.009		180	68	1			
		0300	EN				50 39.317	126 11.016							
28	TrC0.5	0335	BE	ROS		26	50 40.811	126 14.644	157						
		0340	BO				50 40.844	126 14.662		147					
		0343	EN				50 40.871	126 14.665							
28	VIN-1	0406	DE	DRF			50° 42.823	126° 13.092			DARIO		DS		
28	VIN-2	0409	DE	DRF			50° 42.97	126° 13.199			RON				
28	VIN-3	0415	DE	DRF			50 43.097	126 13.240			JILL				
28	VIN-3	0415	DE	DRF			50 43.097	126 13.240			WENDY				
28	VIN-4	0419	DE	DRF			50 43.239	126 13.297			SCOTT				
28	VIN-5	0429	DE	DRF			50 43.370	126 13.320			PIP				
28	TrC1	0344	BE	ROS		27	50 43.591	126 10.898	292		69-81	13			
		458	BO				43.598	10 894		282					
		0515	EN				43.644	10.886							

Cast Type:

BOT = Bottle cast, no CTD
 CTD = CTD without Rosette
 ROS = Rosette plus CTD
 SET = Fish Set

USW = Sea Water Loop
 MOR = Mooring
 NET = Plankton Net Haul
 DRF = Drifter
 =

Bottle Firing Method:

US = Up / Stop
 UN = Up / No stop
 DN = Down / No stop

Notes:

Time Code:

BE = Beginning Time of Cast
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Transmissometer to be cleaned before each cast, do not use Ammonia products

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DAILY SCIENCE LOG

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Month <u>03</u>				Year <u>2008</u>			Ship <u>USC70R</u>			Cruise ID <u>2008-07</u>					
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
28	TrC1.5	0556	BE	ROS		28	50 45.581	126 09.058	226					✓	
		0603	BO				50 45.613	126 9.065		216					
		0608	EN				50 45.606	126 9.079							
28	TrC2	0645	BE	ROS		29	50 49.226	126 12.738	210					✓	See below
		0650	BO				50 49.220	126 12.720		200					
		0654	EN				50 49.214	126 12.707							
28	TrC2.5	07:43	BE	ROS		30	50 50.438	126 19.778	268		82-94	13	ET/DA	-	Fault. Real time data not stop from last cast
		07:52	BO				50 50.431	126 19.787		260					Stop & start for this cast
		08:09	EN				50 50.420	126 19.792							
28	TrC3	08:51	BE	ROS		31	50 48.974	126 25.409	235				ET/DA	-	
		08:59	BO				50 48.991	126 25.396		225					
		09:02	EN				50 48.995	126 25.396							
28	PP1	0937	BE	ROS		32	50 48.82	126 31.51					ET/DA	-	
		0944	BO				50 48.82	126 31.50	145	1410					
		09:47	EN				50 48.824	126 31.502							
28	KIND	10:30	BE	ROS		33	50 51.708	126 37.202	407		95-10.8	14	ET/DA		
		10:40	BO				50 51.688	126 37.200		390					
		10:59	EN				50 51.688	126 37.182							

Cast Type:

BOT = Bottle cast, no CTD
 CTD = CTD without Rosette
 ROS = Rosette plus CTD
 SET = Fish Set

USW = Sea Water Loop

MOR = Mooring

NET = Plankton Net Haul

DRF = Drifter

_____ = _____

Bottle Firing Method:

US = Up / Stop

UN = Up / No stop

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Month 03				Year 2008			Ship VECTOR		Cruise ID 2008-07						
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
28	VIN-1	1434	RE	DRP			50° 43.583	126° 13.097			WENDY recovered against shore				
28	VIN-1	1442	DE	DRP			50° 42.780	126° 13.132			WENDY - track #2 deployment				
28	TSLF	1636	BE	ROS		34	50 45.773	126 7.192	181					✓	
		1641	BO				50 45.770	126 7.200		170					
		1644	EN				50 45.766	126 7.188							
28	TSLc	1658	BE	ROS		35	50 46.278	126 5.688	199					✓	
		1703	BO				50 46.270	126 5.702		186					
		1706	EN				50 46.271	126 5.711							
28	TSLd	1720	BE	ROS		36	50 46.754	126 4.104	181					✓	
		1724	BO				50 46.760	126 4.111		169					
		1727	EN				50 46.764	126 4.108							
28	TSLc	1742	BE	ROS		37	50 47.173	126 2.468	177					✓	
		1746	BO				50 47.164	126 2.483		167					
		1749	EN				50 47.159	126 2.479							
28	TSLb	1801	BE	ROS		38	50 47.521	126 1.790	146					✓	
		1804	BO				50 47.524	126 1.783		136					
		1807	EN				50 47.525	126 1.768							

Transmissometer to be cleaned before each cast. do not use Ammonia products

Trafford Pt. Weather Station

This page is for any notes or observations

28-March:

~0830 Mike + Darin to service weather station

- Console unit not working, changed batteries
- 3 beeps heard but not receiving sensor data
- opened transceiver on ISS and changed the Li battery
- still could not pick up the ISS on the console
- returned to the VECTOR and checked console unit
- console unit detected spare ISS on board
- downloaded data (ISS stopped 19-Feb-08)

~1300 (cont.) - back at Trafford Pt.

- exchanged ISS + console
- re-aligned vane using VECTOR launch
- recal mast and tightland guy wires.

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Month <u>03</u>		Year <u>2008</u>		Ship <u>VECTOR</u>		Cruise ID <u>2008-07</u>									
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
28	TSL ₀	1819	BE	ROS		39	50 47.911	126 1.136	46					✓	
		1821	BO				50 47.917	126 1.128		36					
		1822	EN				50 47.920	126 1.126							
28	TRAF PT	1618	BE	NET			50 45.339	126 09.678		0.1					TRAFFORD POINT
		1628	EN				50 45.427	126 09.459							NET CLOGGING
	CLV PT	1641	BE	NET			50 44.006	126 07.818		0.1					CLUAVE POINT
		1651	EN				50 44.234	126 07.604							
	LN PT	1703	BE	NET			50 46.13	126 07.155		0.1					LONDON POINT
		1713	EN				50 46.202	126 07.513							
	BRN PT	1726	BE	NET			50 46.884	126 11.101		0.1					BROWN POINT
		1736	EN				50 46.784	126 11.407							
	OPP BRN	1748	BE	NET			50 46.360	126 12.852		0.1					OPPOSITE BROWN PT
		1758	EN				50 46.174	126 12.676							
28		2018		RE	DRF										
28		2025		RE	DRF										
28		2029		RE	DRF										

Cast Type:

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 NET = Plankton Net Haul
 DRF = Drifter

Bottle Firing Method:

US = Up / Stop
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Month <u>03</u>				Year <u>2008</u>			Ship <u>VECTOR</u>				Cruise ID <u>2008-07</u>				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
28	TCS1	21:07	DE	DRF	Wendy		50 43 507	126 10 262							14:07 Wendy
	TCS2	21:11	DE	DRF	Ron		50 43 705	126 10 510							14:11 Ron
	TCS3	21:13	DE	DRF	PIP		50 43 858	126 10 700							14:13 PIP
28	BSL4	22:14	DE	ROS		40	50 49.706	126 10.060	123						Interruption in TSG
		22:19	BO				50 49.715	126 11.966		113					data => , almost
		22:22	EN				50 49.717	126 11.923							
28	BSLE	22:31	BE	ROS		41	50 50.070	126 11.393	131						
		22:37	BO				50 50.071	126 11.366		121					
		22:40	EN				50 50.093	126 11.363							
28	BSLD	22:44	BE	ROS		42	50 50.546	126 10.861	133						
		22:55	BO				50 50.546	126 10.865		123					5 mab
		22:57	EN				50 50.548	126 10.866							
28	BSLC	23:09	BE	ROS		43	50° 51.088	126 10.865	137						
		23:14	BO				50° 51.083	126 10.862		128					3 mab
		23:17	EN				50° 51.074	126 10.868							pressure offset 1m
28	BSLB	23:28	BE	ROS		44	50° 51.618	126 10.915	130						
		23:33	BO				50° 51.612	126° 10.908		122					3 mab
		23:36	EN				50° 51.604	126° 10.913							

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* 28-Mar-08 TSC shut down sometime yesterday due to acquisition PC being unplugged. * Probably OK. 7%
battery left, only display shut down.

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Month <u>March</u>				Year <u>2008</u>			Ship <u>Vector</u>				Cruise ID <u>2</u>				Page <u>14</u> of <u> </u>	
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments	
							Latitude	Longitude								
<u>28</u>	<u>BSLA</u>	<u>2350</u>	<u>BE</u>	<u>ROS</u>		<u>45</u>	<u>50°52.094</u>	<u>126°10.429</u>	<u>52</u>				<u>DS LP</u>			
		<u>2354</u>	<u>BO</u>				<u>52.102</u>	<u>126°10.426</u>		<u>38</u>					<u>Hit Bottom</u>	
		<u>2355</u>	<u>EN</u>				<u>50°52.104</u>	<u>126°10.422</u>								
<u>29</u>	<u>TFC3</u>	<u>0239</u>	<u>BE</u>	<u>ROS</u>		<u>46</u>	<u>50°48.967</u>	<u>126°25.367</u>	<u>237</u>				<u>DS LP</u>			
		<u>0247</u>	<u>BO</u>				<u>50°48.952</u>	<u>126°25.376</u>		<u>230</u>					<u>3 mab</u>	
		<u>0250</u>	<u>EN</u>				<u>50°48.948</u>	<u>126°25.388</u>								
<u>29</u>	<u>PP1</u>	<u>0333</u>	<u>BE</u>	<u>ROS</u>		<u>47</u>	<u>50 48.784</u>	<u>126 31.495</u>	<u>152</u>					<u>✓</u>		
		<u>0337</u>	<u>BO</u>				<u>50 48.778</u>	<u>126 31.508</u>		<u>139</u>						
		<u>0340</u>	<u>EN</u>				<u>50 48.790</u>	<u>126 31.483</u>								
<u>29</u>	<u>RaP</u>	<u>0436</u>	<u>BE</u>	<u>ROS</u>		<u>48</u>	<u>50 46.530</u>	<u>126 30.547</u>	<u>237</u>					<u>✓</u>		
		<u>0441</u>	<u>BO</u>				<u>46.535</u>	<u>30.551</u>		<u>227</u>						
		<u>0446</u>	<u>EN</u>				<u>46.536</u>	<u>30.553</u>								
<u>28</u>	<u>OPP POM</u>	<u>2057</u>	<u>BE</u>	<u>NET</u>			<u>50 43.576</u>	<u>126 12.807</u>		<u>0-1</u>					<u>OPPOSITE POMISH POINT</u>	
		<u>2107</u>	<u>EN</u>				<u>43.589</u>	<u>13.188</u>								
	<u>POM PT</u>	<u>2117</u>	<u>BE</u>	<u>NET</u>			<u>50 42.747</u>	<u>126 11.623</u>		<u>0-1</u>					<u>POMISH POINT</u>	
		<u>2127</u>	<u>EN</u>				<u>42.911</u>	<u>11.350</u>								
	<u>IRV PT</u>	<u>2152</u>	<u>BE</u>	<u>NET</u>			<u>50 49.398</u>	<u>126 14.065</u>		<u>0-1</u>					<u>IRVINE POINT</u>	
		<u>2202</u>	<u>EN</u>				<u>49.302</u>	<u>13.716</u>								

Cast Type:

UCW = Sea Water Loss

Bottle Firing Method

Cast Type:

BOT = Bottle cast, no CTD
 CTD = CTD without Rosette
 ROS = Rosette plus CTD
 SET = Fish Set

USW = Sea Water Loop
 MOR = Mooring
 NET = Plankton Net Haul
 DRF = Drifter
 =

Bottle Firing Method:

US = Up / Stop
 UN = Up / No stop
 DN = Down / No stop

Notes:

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 before each cast, do not use Ammonia products

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28-March (local time ~ 1800) at Brown Pt. weather station

This page is for any notes or observations

- downloaded data "Brown-March-08"
- viewed data with WeatherLink and looked OK
- set clock (UTC)
- changed batteries - 3 beeps
- logging OK after slight delay
- Pelican case was unlocked & unchained
- placed Pelican case on flat grassy spot slightly above sensors
(TX=3 from downloaded data)

28 March ~ 1900 local time at Wicklow Pt weather station

- downloaded data "Wicklow-March-08"
- viewed data - looked OK
- found water in Pelican case
- Pelican case (black) was unlocked and unchained at
base of tripod stand
- did not change batteries
- cleaned rain collector
(TX=1, from downloaded data)

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Month <u>MARCH</u>				Year <u>2008</u>			Ship <u>VECTOR</u>				Cruise ID <u>2008-07</u>				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
28	OPP IRV	2213	BE	NET			50 50.009	126 12.874		0.1					OPPOSITE IRVING Pt
		2223	EN				49.996	13.148							
	LOAF	2232	BE	NET			50 49.489	126 11.581		0.1					LOAF POINT
		2242	EN				49.641	11.362							
	CLAM	2256	BE	NET			50 49.779	126 16.126							CLAM POINT
		2306	EN				49.675	15.852							
	GORM	2321	BE	NET			50 50.85	126 19.055							GORMEY FARM
		2331	EN				50.50	19.21							
29	WICK	0315	BE	NET			50 47.13	126 41.50							WICKLOW FARM
		0325	EN												
29	FIS	0523	BE	ROS		49	50 46.994	126 36.706	333		109-121	13			
		0531	BO				50 46.991	126 36.696		323					
		0547	EN				50 46.978	126 36.682							
29	FISD	0629	BE	ROS		50	50 45.482	126 44.128	323		122-124	3			
		0637	BO				50 45.475	126 44.132		313					
		0646	EN				50 45.452	126 44.153							

Cast Type:

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 SET = Fish Set

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 NET = Plankton Net Haul
 DRF = Drifter
 _____ = _____

Bottle Firing Method:

US = Up / Stop
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Notes: _____

Time Code:

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Transmissometer to be cleaned before each cast, do not use Ammonia products

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Month <u>March</u>		Year <u>2008</u>		Ship <u>VECTOR</u>		Cruise ID <u>2008-07</u>									
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
29	QCS1.5		BE	ROS		51	50 42.88	126 55.559	146				ET/DA		
		07:58	BO				50 42.856	126 55.565		136					
		08:01	EN				50 42.864	126 55.571							
29	QCS1	08:53	BE	ROS		52	50 40.020	126 46.290	159		125-133	9	ET/DA		
		08:56	BO				50 40.037	126 46.288		149					
		09:06	EN				50 40.025	126 46.280							
29	SWL	09:49	BE	ROS		53	50 38.119	126 41.076	75				ET/DA	✓	
		09:50	BO				50 38.120	126 41.078		65					
		09:52	EN				50 38.120	126 41.080							
29	KnO	10:31	BE	ROS		54	50 38.274	126 34.985	65						
		10:33	BO				50 38.267	126 34.981		55					
		10:34	EN				50 38.264	126 34.978							
29		1415	RE	DRF			50°	126°			WENDY picked up by VECTOR				
29		1430	RE	DRF			50° 45.496	126° 7.295			RON picked up by VECTOR				
29		1446	RE	DRF							DARIO picked up by VECTOR				
29		1458	RE	DRF							PIP picked up by VECTOR				
29		1502	RE	DRF			50° 43.525	126° 11.259			JILL picked up by VECTOR				
29		1505	RE	DRF							SCOTT picked up by VECTOR				

Cast Type:

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Month <u>03</u>				Year <u>2008</u>			Ship <u>V7C70K</u>			Cruise ID <u>2008-07</u>					
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
29	SC	1840	BE	ROS		55	50 53.406	126 45.786	237						
		1845	BO				50 53.411	126 45.830		227					
		1849	EN				50 53.430	126 45.848							
29	WPO.5	19:54	BE	ROS		56	50 52.813	126 53.215	161				EE/DA		
		19:58	BO				50 52.793	126 53.266		151					
		20:00	EN				50 52.774	126 53.309							
29	RAINY	1602	BE	NET			50 49.999	126 20.084							RAINY POINT
		1612	EN				50.065	19.676							
	VINER	1636	BE	NET			50 47.061	126 24.33							VINER SOUND
		1646	EN				47.187	24.19							
	KING	1659	BE	NET			50 47.693	126 26.514							KING POINT
		1709	EN				47.929	26.329							
	OPP KING	1725	BE	NET			50 48.883	126 28.209							OPPOSITE KING POINT
		1736	EN				48.835	28.542							
	BIRD	1747	BE	NET			50 47.738	126 29.617							BURDWOOD FARM
		1757	EN				47.881	29.844							

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29 March ~ (1400 - 1630 local)

at White Cliffs weather station with Mike & Dave

- noted that wind vane was twisted
- dropped the mast and straightened the vane arm
- console working, downloaded data "White-Cliffs-March-08", pad lock unlocked
- view data and spd + direction looked reasonable
- changed battery in console, reset clock - 3 kbps
- had difficulty getting console to receive ISS (station 7) TX = 7
but after considerable time effort got it working
- chained and locked console + cover it with wood
- tested ISS Li battery, 3.03 Volts, appeared good
so we did not change it.

29 March ~ 1300 local at Surgeon Is weather station

- Polaron case with console unit missing, upwind lock + chain present
- tried other console units but did not receive the ISS signal
- changed Li battery in ISS but still could not receive signal
- left Surgeon with no console + datalogger in place

This page is for any notes or observations