DAILY LOG BOOK

MISSION NUMBER

2006 -~~21~~ 27

DATE:

From: 1 May 2006 to: 5 May 2006

VESSEL: BUCKSHOT

PROJECT: Drifter Studies

INSTITUTE OF OCEAN SCIENCES
OCEAN SCIENCES AND PRODUCTIVITY DIVISION
SIDNEY, BC, CANADA

Captain: Ross Johnstone First Officer: _____
Second Officer: _____ Third Officer: _____

Mission Participants / Agencies: IOS/Marine Harvest

Scientific Personnel: Party Chief: Dario Stucchi

Name	Watch	Cabin	Name	Watch	Cabin

Second leg of Mission: Party Chief: _____

Name	Watch	Cabin	Name	Watch	Cabin

Data logging computer: _____
Data acquisition program: _____
CTD deck unit make: _____ model: _____ serial number: _____

Primary CTD
Make: SeaBird model: SBE-25 serial number: 0334
Primary temperature serial number: 2464?
Primary conductivity serial number: _____
Secondary temperature serial number: _____
Secondary conductivity serial number: _____
✓Transmissometer: ✓ Model: _____ s/n: 498
✓Fluorometer: Model SeaPoint(?) Cable gain: 3X1 s/n: 2228 **P, S** or **NO** pump?
✓Oxygen sensor: _____ Model: _____ s/n: _____ **P, S** or **NO** pump?
PAR sensor: _____ Model: _____ s/n: _____
Other sensors: _____ s/n: _____ **P, S** or **NO** pump?
Other sensors: _____ s/n: _____ **P, S** or **NO** pump?
Other sensors: _____ s/n: _____ **P, S** or **NO** pump?
Other sensors: _____ s/n: _____ **P, S** or **NO** pump?

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: _____ **P, S** or **NO** pump?
Oxygen sensor: _____ Model: _____ s/n: _____ **P, S** or **NO** pump?
PAR sensor: _____ Model: _____ s/n: _____
Other sensors: _____ s/n: _____ **P, S** or **NO** pump?
Other sensors: _____ s/n: _____ **P, S** or **NO** pump?
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CTD calibration bottle location (height above CTD in metres): _____

DAILY LOG (local +7 = UTC)

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month May local **Year** 2006 **Ship** BUCKSHOT **Cruise ID** 2006 ~~47~~ 27

Day	Station Name	Time ~~(UTC)~~	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
2	HR	1250 (local)		DRF			Attached	drifter SCOTT	to SE	corner of	Humphrey	Rics	net pens		
		1312		DRF			After powering down &	reattached	SCOTT to SE	corner of	HR	net pens	system		→
2	SP	1518		DRF			50° 40.257	126° 11.465		Lucius		deployed			
	SP	1756		DRF						Lucius		recovered	up against	pen	
		1819		DRF	Lucius		powered down								
2	SP-01	1803		CTD*		01	50° 40.587	126° 11.529	71m						cast #14 in SBE25 syringe dry - no water
3	DI-01	0758	BE	DRF	Lucius (#1)		50° 39.18	126° 17.489	101m						Deployed Lucius clear & calm.
		0957	EN				50° 39.163	126 17.823	65						Recovered but not grounded
3	DI-01	0844		DRF	DAR10		50° 39.182	126° 17.488	102m						Deployed DAR10 clear & calm (light S)
		1859					50° 38.508	126 17.691	140						recovered
3	Kn 1	0909	BE	CTD		02	50° 39.067	126° 25.427	250m						cast #15 in SBE25 2006-21-02.hex
		0924	EN												
3	DI-01	1002	BE	DRF	Lucius (#2)		50° 39.195	126° 17.484	99m						Deployed Lucius SE riptide
		1106	EN				39.226	17.651	8m						Recovered but not grounded

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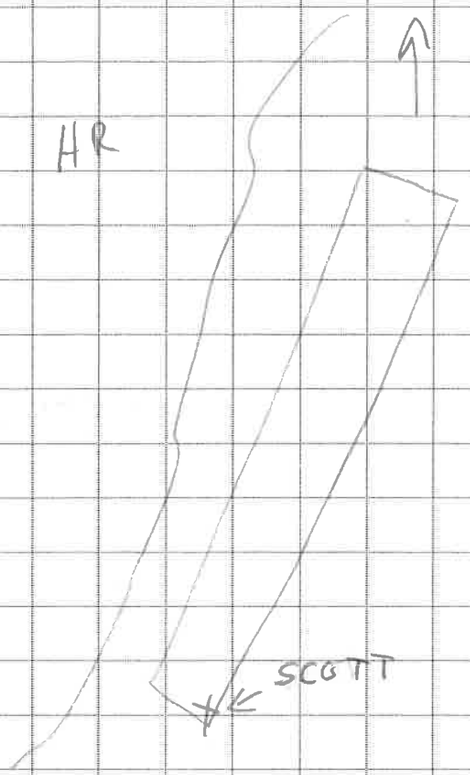
RE = recover mooring time

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



SBE – check before first cast

Wake up SBE-25 4800 baud

DS S/N 334 05/03/06 16:25:20 (wrong date)

pres sensor range 1450 psia

nscans = 14, samples 75004 free 569964

number of scans avg = 1 data stored @ 8 scans/second

minimum cond freq for pump turn on = 3000.

* In order to create the CNV file I had to create a new CON file 2006-21 in which the T+C sensors were given S/N of -9 in order to match what was recorded in the header of the hex file.

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month May (local) **Year** 2006 **Ship** Buckshot **Cruise ID** 2006-~~21~~ 27

Day	Station Name	Time (~~UTC~~)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
3	Kn 2	1027	BE	CTD		03	50°	126°							cast# 16 in SBE25 2006-21-03.hex
		1038	EN			03	50° 39.301	126° 11.140	180						
3	DI-02	1111	BE	DRF	Lucius #3		50° 39.145	126° 17.517	95						deployed light breeze SE
		1350	EN				50° 39.191	126° 17.389							recovered but snagged on mooring line next to pms. calm
3	TrC 0.5	1205	BE	CTD		04	50° 41.247	126° 14.863	138						Cast #17 in SBE25 2006-21-04.HEX
		1213	EN				50° 41.254	126° 14.908	136						
3	TrC 1.5	1241	BE	CTD		05	50° 45.563	126° 09.093	225						Cast# 18 in SBE25 2006-21-05.hex
		1257	EN				50° 45.580	126° 09.108	224						
3	DI-03	1343	BE	DRF	WENDY #1		50° 39.194	126 17.305	72m						deployed drifter WENDY flat calm + sunny
		1556	EN				50° 39.354	126° 17.290	30.5					+	picked up next to logging camp.
3	DI-04	1354	BE	DRF	LUCIUS #4		50°39.115	126°17.432	80m						deployed Lucius flat calm.
		1721	EN				50° 39.030	126° 17.156	7m						recovered very nearshore

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3rd May 1330 (10.30) Flat calm - no wind

DAILY LOG

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Day	Station Name	Time (~~UTC~~)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
3	PE-7km	1435	BE	CTD		06	50° 39.319	126° 25.284	125						Cast#19 in SBE25 2006-21-06.hex
		1444	EN				50° 39.367	126° 25.202	123						
3	PE-5km	1451	BE	CTD		07	50° 39.896	126° 26.710	125						Cast#20 in SBE25 2006-21_07.hex
		1459	EN				50° 39.898	126° 26.728	125						Visibility 10m
3	PE-3km	1506	BE	CTD		08	50° 40.323	126° 28.220	64						Cast#21 in SBE25 2006-21-08.hex
		1511	EN				50° 40.331	126° 28.237	63						
3	PE-11km	1518	BE	CTD		09	50° 40.101	126° 29.826	30						Cast#22 in SBE25 2006-21-09.hex
		1521	EN				40.124	29.825	30						
3	DI-03	1600	BE	DRF	WENDY (#2)		50° 39.190	126° 17.318	75.4						deployed WENDY breeze Westerly 5-10kt
		1632	EN				50° 39.225	126° 17.327							recovered, up against 1 pen
3	DI-05	1634	BE	DRF	WENDY (#3)		50° 39.173	126° 17.257	23						deployed
		1713	EN				50° 39.223	126° 17.335	78						up against pen again
	DI-06	1718	BE	DRF	WENDY (#4)		50 39.118	126° 17.218	65						deployed westerly breeze
		1910	EN				50° 38.823	126 17.808	177						WENDY temporarily hung up on buoys bridle cable free on her own.

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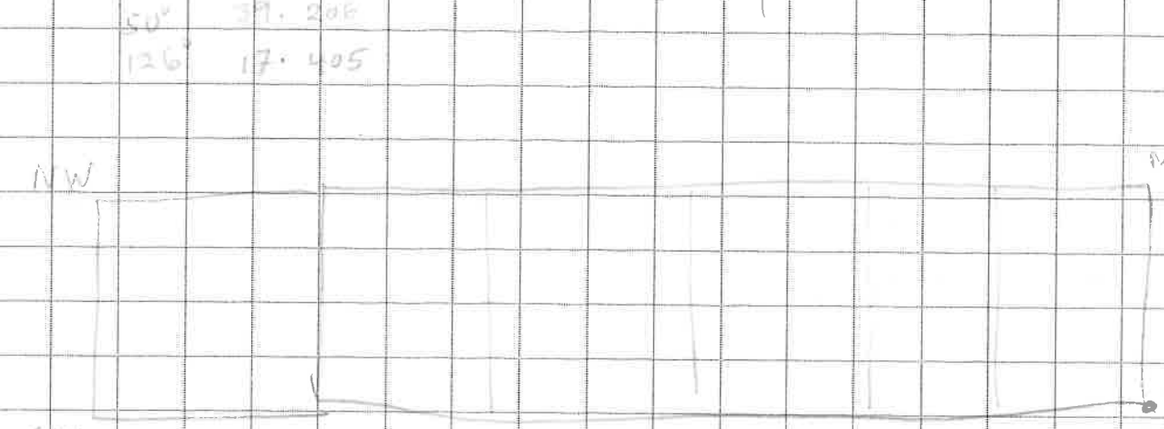
Doctor Is. Farm Pens (empty)



50° 39.206
126° 17.405

50° 39.283
126° 17.385

50° 39.268' N
126° 17.262' W

50° 39.189
126° 17.382

* 3-May at Doctor 1830 Winds 10-15 knots westerly.

Battery Voltages + Downloads.

		V	Download File name	
1).	Dario	10.4	DARIO_May3.txt	✓
2)	Lycius	10.06	Lycius - May3.txt	✓
3)	WENDY	10.85	WENDY - May3.txt	✓

2200. Downloaded SBE25 casts for today

May 3rd Vmain = 11.7, meas = 23, samples = 118012, free = 526961

DAILY LOG

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Month May **Year** 2006 **Ship** Bucksho **Cruise ID** 2006-~~21~~ 27

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
3	DI-06	1724	BE	DRF	LUCIUS		50° 39.118	126° 17.224	65						Deployed at same location as WENDY
		1905	EN				50° 38.905	126° 17.737	160						
4	GF-01	0634	BE	DRF	RON		50° 50.537	126° 19.234	138						Deployed Ron Wind NE - light 5kts up against rock wall.
		1410	EN				50° 50.875	126° 19.728	63						
		Met	Alex Morley	on	the	boat	Blackfish	(ch 10).							
4	TrC2.0	0955	BE	CTD		010	50° 49.242	126° 12.824	214						Cast #3 in SBE-25 2006-21-10.hex
		1008	EN				.305	.825							
4	GF-01	1029	BE	DRF	WENDY		50° 50.835	126° 19.232	175						display
		1040	EN												Hang up on wooden cleat port pen.
4	GF-02	1044	BE	DRF	WENDY		50° 50.840	126° 19.043	134						Upgoing stop rock cliff
		1114	EN				50° 50.867	126° 19.810	7						
	TrC2.5	1057	BE	CTD		011	50° 50.452	126 19.675	270						Cast #24 in SBE25 2006-21-11.hex
		1109					50.458	19.851	260						

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N

Glacier Falls

50° 50.874
126 19.177

50° 50.879
126° 19.057

NW

NE

SE

SW

50° 50.856
126° 19.057

50° 50.853
126° 19.200

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4	GF-01	1238	BE	DRF	DAR	10 (#1)	50° 50.836	126° 19.231	139						calm
		1441	EN				50° 50.888	126° 19.698	5m						up against rock wall
4	Tr(3.0	1334	BE	CTD		012	50°	126°	232						Cast 25 in SDE25 2006-21-012.hex
		1346	EN				50° 48.938	126° 25.430	233						
4	GF-01	1419	BE	DRF	RON	(#2)	50° 50.833	126° 19.233	140						calm
		1810	EN				50° 50.634	126° 19.474	37						W 10-15 knots
4	GF-03	1423	BE	DRF	WENDY	(#3)	50° 50.793	126° 19.201	140						calm
		1504	EN				50° 50.412	126° 17.714	285						W 10-15 kts
4	GF-04	1434	BE	DRF	LUCIUS	(#1)	50° 50.693	126° 19.198	130						calm - windy westerly 10-15kts
		1559	EN				50° 50.062	126° 17.959	190						
4	GF-05	1447		DRF	DAR10	(#2)	50° 50.538	126° 19.200	265						calm.
		1856	EN				50.071	18.108	160						W 10-15 knots

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Driller Download - Feb

	Voltage	File name	
1) WENDY	10.23	WENDY - May4.txt	downloaded successfully - in my office 6-May after several attempts. missed first part of download. but upon examining file discovered that there was no useful data
2) DARIO	10.18	DARIO - May4.txt ✓	- Lucas tried to download skipped - tried again but skipped procedure??
3) LUCAS	10.02	LUCAS - May4.txt ? ✓	- could not get menu + but did eventually but then the download stopped prematurely.
4) RON	10.50	~~RON - May4.txt~~	- unreadable characters changed Hyperterm about/or program + restarted - retried + did the same thing - tried 3rd time + switch to 4800-7-E-1 + crashed Hyperterm.
		RON - May4.txt	- got the driller to download in my office. 6-May
5) SCOTT	9.8V	SCOTT.txt	- took SCOTT memory card out + put it in RON and did download.

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Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
4	BoS1	1605	BE	CTD		013	50° 51.539	126° 10.967	128						calm
		1612	EN				50° 51.557	126° 10.989	128						Cast#26 is SBE25 2006-21-013.hex
5	Kn2	0856	BE	CTD		014	50° 39.293	126° 11.046	186						
		0916	EN				50° 37.299	126° 10.971	185						Cast#27 is SBE25 2006-21-14.hex ✓
5	HR	0924	EN	DRF		SCOTT	50° 41.783	126° 15.537	60m	discontinuities	SCOTT	powered			slow
				Voltage = 9.93V (powered)											
5	TrC1	0939	BE	CTD		015	50° 43.599	126° 10.860	260						Cast# 28 is SBE25 2006-21-15.hex ✓
		0951	EN				50° 43.620	126° 10.705	244						
5	TS1	1012	BE	CTD		016	50° 47.194	126° 02.290	171						Cast# 29 is SBE25 2006-21-16.hex ✓
		1021	EN				50° 47.193	126° 02.317	169						
5	Tr(20	1052	BE	CTD		017	50° 49.196	126° 12.735	202						Cast# 30 is SBE25 2006-21-17.hex ✓
		1102	EN												

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5	Tr(3.0	1132	BE	CTD		018	50° 48.983	126°25.372	233						Cast# 31 in SBE25 2006-21-18.hex ✓
		1143	EN				50° 48.989	126° 25.340	233						
5	PP1	1157	BE	CTD		019	50° 48.833	126° 31.448	158						Cast#32 in SBE25 2006-21-19.hex ✓
		1205	EN				50° 48.792	126° 31.437	152						
5	F2 S	1222	BE	CTD		020	50° 46.992	126° 36.666							Cast#33 in SBE25 2006-21-20.hex ✓
		1234	EN				50° 47.025	126° 36.739	314						

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