

DAILY SCIENCE LOG BOOK

MISSION
NUMBER

2013-35

+ 2013-36

DATE:

From: April 29

to:

VESSEL:

JP Tully

PROJECT(S):

Date for -36
on stick ^{traps}
9 May - 8 May
Don't know
30 July? ^{various} about -35
28 Apr - 8 May
Rick T involved
c -36 Dave
Spears

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

WaterProperties.ca

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

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Month <u>APRIL</u>				Year <u>2013</u>				Ship <u>JP TULLY</u>				Cruise ID <u>2013-35/36</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							
30	SI-VIP-1	1645		ROS	US	1	48° 38.939'	123° 29.203'	105	100			MS, SM, KB	✓	SUNNY, FLAT CALM
01	SOG-East	2118		CTD	—	2	49° 2.3914'	123° 18.8904'	170	150	—	—	MS	✓	soundprobe only.
06	DDL-01	0357		ROS	US	3	49° 49.54'N	123° 19.519'W	125	115		10	MS	✓	2013-003 PGC
09	POD2	15	UTC	ROS	US	4	48 25.577	126 10.476	396	395				✓	INCREDIBLY FLAT OFF SHORE
10	POD2	0532		ROS		4	48 25.572	126 10.511W							
10	POD2			ROS		4									
10	POD1	0733	BE	ROS	US	5	48 18.968	126 3.011	—					✓	STILL CALM NO GOOD DEPTH
10	POD1		BO	ROS		5	48 18.976	126 3.050		992	4.5 mch				992, 400, 100, 20
10	POD1	0821	EN	ROS		5	48 18.967	126 3.049	—						
14	HYD	0639	BE	ROS	US	6	48° 18.676	126 3.900						✓	bot. 920, 200, 50, 20
14	HYD	0700	BO	ROS		6	48 18.596	126 3.878							small sea way
14	HYD	0727	EN	ROS		6	48 18.554	126 3.807							
14	POD3/4	0905	BE	ROS	US	7	48 18.908	126 3.491	884*	900	4 mch			✓	* sounder does not account for wave current.
14	POD3/4	0922	BO	ROS		7	48 18.893	126 3.494							sounder only
14	POD3/4	0944	EN	ROS		7	48 18.933	126 3.503							900, 420, 200, 50, 20
15	BCH 10	1519	BE	ROS		8	48 18.586	126 2.941	* possibly did not archive, can't find					✓	7 missing file
15	BCH 10		BO	ROS		8	48		1004	1001	5 mch				100, 600, 200, 100, 40
15	BCH 10		EN	ROS		8	48° 18.583	126° 2.975' W							easy sea
15	BCH 11		BE	ROS	US	9	48° 16.679	126° 4.589' W						✓	

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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							
15	BCH11		BO	ROS	US	9	?	?	1154				FLG/SEM	✓	training
15	BCH11	1421	EN	ROS	US	9	48 16.654	126 5.806	1154						?/1050/450/200/30
15	BCH12	1925	BE	ROS	US	10	48 16.654	126 5.806	1172	1155	~ 5mab		FG/SEM	✓	easy swell
15	BCH12	1948	BO	ROS	US	10	48 16.660	126 5.759							175
15	BCH12	2017	EN	ROS	US	10	48 16.691	126 5.720							1155, 900, 400, 200/30
16	BCH10	1025	BE	CTD	US	11	48 18.601	126 2.965	1004	1005	~ 5mab		SEM	✓	Repeat cast, no bottles
16	BCH10	1045	BO	CTD	US	11	48 18.623	126 2.943							
16	BCH10	1107	EN	CTD	US	11	48 18.616	126 2.944							
16	BCH13		BE	ROS	US	12			1304	1306	~ 5mab				Working on w/
16	BCH13	1220	BO	ROS		12	48 16.422	126 6.536							1306, 950, 550, 200
16	BCH13	1251	EN	ROS		12	48 16.420	126 6.544							
17	BCH5	0832	BE	ROS	US	13	48 23.826	125 55.420	497	500	~ 5mab	* small approx			30, 100, 350, 500
17	BCH5	~0840	BO	ROS		13	48 23.938	125 55.454				vis 18/6 in T+S			Flat Calms
17	BCH5	0851	EN	ROS		13						record, 1 th			over 'long' swell
17	BCH4	0912	BO	ROS		14	48 24.002	125 54.544	393	392					
17	BCH4		BE	ROS		14									
18	BCH4	0934	EN	ROS		14	48 23.953	125 54.596	235						

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							Latitude	Longitude							
17	BCH3	0948		ROS	US	15	48 24.062	125 53.816	283	282			SEM FG	✓	140, 40, 282
17	BCH3	0955		ROS		15	48 24.054	125 53.842			5 mals				swell, noticeable on cast
17	BCH3	1003		ROS		15	48 24.025	125 53.889							
17	BCH2	1022		ROS	US	16	48 24.058	125 53.240	205	202					
17	BCH2			ROS		16									
17	BCH2	1033		ROS		16	48 24.882	125 53.309							202/30, 30
18	Folger Deep	0235		ROS	US	17	48 48.906	125 16.864	97	94	0, 5, 10, 20, 30, 50, 75, bot				94, 70, 10
18	FPD	0242		ROS		17	48 48.920	125 16.858			4 mals				
18	FPD	0244		ROS		17	48 48.922	125 16.853							
18	EFF15	0320		ROS	US	18	48 51.43	125 14.921	96	93			SEM FG/AD		93, 25,
18	EFF15			ROS		18									75, 93, 50, 30, 20
18	EFF15	0332		ROS		18	48 51.414	125 14.898							
18	EFF14	0601		ROS	US	19	48 54.028	125 13.034	107	103	25 mals	8			
18	EFF14	0608		ROS		19	48 54.010	125 12.978							
18	EFF14	0613		ROS		19	48 54.011	125 12.948							

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							Latitude	Longitude							
18	EFF13	0651	BE	ROS		20			104	99	5mab	8+1			FLAT
18	EFF13	0655	BO				48 56.490	125 10.638							
18	EFF13	0702	EN				48 56.492	125 10.670							
18	EFF12	0725	BE	ROS		21	48 58.001	125 10.512	95	90	5mab	8			
18	EFF12	0729	BO				48 58.016	125 10.504							
18	EFF12	0735	EN				48 58.004	125 10.537							
18	EFF11	0809	BE	ROS	US	22	48 59.125	125 11.052	84	85		8			
18	EFF11		BO												
18	EFF11	0816	EN				48 59.138	125 11.132							
18	EFF10	0840	BE	ROS	US	23	48 59.846	125 11.237	96	92		8			
18	EFF10	0843	BO				48 59.843	125 11.234							
18	EFF10	0851	EN				48 59.843	125 11.232							
18	EFF9	0916	BE			24	48 0.108	125 10.846	63	62		7			
18	EFF9		BO												
18	EFF9	0923	EN				49 0.102	125 10.838							

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							Latitude	Longitude							
18	EFF8		BE	ROS		25	49 0.683	125 10.223	87	84	345	8		✓	FLAT CALM
18	EFF8	0949	BO			44	49 0.679	125 10.223							RAIN
18	EFF8	0956	EN			25	49 0.678	125 10.217							
18	EFF7	1013	BE	ROS		26	49 1.254	125 9.408	119	116	3.6 m				HEAVY RAIN
18	EFF7	1019	BO				49 1.249	125 9.415							
18	EFF7	1023	EN				49 1.244	125 9.394							
18	EFF6		BE	ROS		27			152	146					CALM
18	EFF6		BO												RAIN
18	EFF6	1103	EN				49 1.739	125 9.220							
18	EFF5	1129	BE	ROS		28	49 2.532	125 9.168	202	199					RAIN
18	EFF5		BO				49	125							
18	EFF5	1146	EN				49 2.543	125 9.204							
18	EFF1		BE	ROS		29	49 5.519	125 11.663	34	31	3 mab				hot 20 10 5
18	EFF1	2059	BO				49 5.553	125 11.686							
18	EFF1	2103	EN				49 5.527	125 11.682							

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							Latitude	Longitude							
18	EFF2	2134	BE	ROS		30	49 5.012	125 10.319	67	67	2mab				
18	EFF2		BO				49	125							Extreme Caten
18	EFF2	2145	EN				49 5.002	125 10.322							
18	EFF03	2206	BE	ROS		31	49 4.250	125 9.394	120	118					Thick Fresh water
18	EFF03	2211	BO				49 4.252	125 9.390							cup mixing
18	EFF03	2220	EN				49 4.244	125 9.378							in w. to nos off
19	EFF04	0024	BE			32	49° 3.142N	125° 8.573W	54	53	0, 5, 10, 26, 36, 50				lots of variability in salinities
19	EFF04	0025	BO				49° 3.142N	125° 8.573W							at the surface
19	EFF04	0032	EN				49 3.142 N	125° 8.572W							
20	BCH15	0104	BE	ROS		33	48° 15.272'N	126° 9.974'W	1495	1478					1478-891
20	BCH15	013525	BO	ROS		33	48° 15.272	126° 9.907							
20	BCH15	020920	EN	ROS		33	48° 15.232	126° 9.847							WAVES
20	BCH14	023817	BE	ROS		34	48° 15.566'N	126° 8.735'W	1416	1416					WAVES
20	BCH14	030812	BO			34	48° 15.508	126° 8.657							1400-900-400-50-30
20	BCH14	034000	EN			34	48 15 510	126° 8.674							1416

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							Latitude	Longitude							
20	BCH7	091340	BE	ROS		35	48°21.624N	125°57.279	709	712			FG		WAVES
20	BCH7		BO			35	48°21.623	125°57.307							Problems with
20	BCH7	095000	EN			35	48°21.650	125°57.293							the winch power
20	EFF16	2159	BE	ROS		36	48°47.650	125°15.974	110	105					20, 80, 105, 10
20	EFF16	2201	BO				48°47.632	125°15.958							
20	EFF16	2208	EN				48°47.629	125°15.946							
20	TCT1	235230	BE	ROS		37	48°39.726	125°35.786	234	223			FG		223 - 150 - 20
20	TCT1		BO			37	48°39.703	125°35.818							
20	TCT1	000080	EN			37	48°39.666	125°35.826							
	TCH5	061710	BE	ROS		38	48°34.864N	125°31.865W	118	110			FG		110 - 50 -
	TCH5	062308	BO			38	48°34.853	125°31.888							winch problem
	TCH5	063320	EN			38	48°34.804	125°31.864							power off very often
21	BCH9	1655	BE	ROS	VS	39	48°20.000	126°0.826	905	899		5	KD/SM		ROV WENTHER
		1717	BO				48°19.982	126°0.822W							399, 400, 110, 50
		1742					48°19.992	126°0.815W							swell

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21	BCH8	1811	BE	ROS	US	40	48°20.539	125°58.802	802	798		5	KD		798, 400, 200, 100, 40
		1830	BO				48°20.546	125°58.804							swell ~ 3m
		1857	EN				48°20.525	125°58.784							
21	BCH6	1957	BE	ROS	US	41	48°22.651	125°56.219	629	620			SM/KD		620, 400, 200, 25
	BCH6	2009	BO				48°22.648	125°56.209							
	BCH6	2026	EN				48°22.625	125°56.207							
21	BCH1	2237	BE	ROS	US	42	48°29.191	125°47.814	104	95			KD		
		2239					48°29.188	125°47.789							
		2247					48°29.197	125°47.784							
25	SAAN-1	1604	BE	CTD		43	48°35.696	123°30.048	226	223					Deep Basin
		1610	BO				48°35.711	123°30.053							In scanning to
		1621	EN				48°35.732	123°30.094							test winch

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