

1999-33

CRUISE
NUMBER

9933

DAILY LOG
INSTITUTE OF OCEAN SCIENCES
OCEAN PHYSICS

DATE

16 - 30 Aug 99

VESSEL

CCGS W.E. Ricker

PROJECT

Mark Saunders - Hake

NOTES

DS2 → problem turning pump off.
Stopped logging before pump turned off.
started new file 9933000.DAT as
if doing second CTD at same station.
when through procedure then
turned pump off then quit logging.

Erased all associated files for 9933000.

- DS5 → problem with NEMA connection — light would not go on.
- tried rerouting cables, rebooting program, rebooting computer
 - went back to old configuration.
 - went into CTD506.con file and turned NEMA = OFF
 - saved as CTD506X.con file
 - went back to Acquire data
 - NEMA string came up
 - Appeared to log GPS throughout cruise

Need to check co-efficients in sensors in cal file
as I think this is where Steve ran into problems.

Changed (Updated Co-efficients)

- ENTERED NEW CO-EFFICIENTS AND CALLED FILE 99AUG33.CON
- ADDED TO 'D:/DATA/9933' (OLD ONE WAS CON506.CON → 99330001.CON)
- ON ACQUIRE + DISPLAY AT Data Setup screen changed CON FILE TO NEW FILE
- WILL SAVE NEW PARAMETER AS 9933B.DSP

DS #8 → NUTRIENT # 6, Salinity # 6 from loop.
Salinity # 7 from bottle

Bottle was on wire in above CTD.

CTD CONSEC #12 → WRONG STATION in Header
should be DS 11 as per log sheet

CTD CONSEC #14 → MISTAKENLY LABELED "0033014" should be

"9933014"

CTD CONSEC #15 → MISTAKENLY LABELED "0033015" should be

"9933015"

Nutrient #1 31.004 ‰ 11.258°C @ 48°33.38'N 124°56.00'W

0726 PDT 30 Aug
1426 UT DAY 232

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YEAR		MONTH		SHIP		CRUISE		PAGE						
1999		AUG		CCGS W.E. RICKER		9933		1 OF						
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
AUG 21	DS1	CTD	1340	UT	1	48°23.28' N	125°46.093' W	BE	151.7	125.00	2	SAL NUT	G	0642 PDT (1340 UT)
233			1401					EN			99330001.DAT			CDAR 12.65 T 32.016 Sal
														TRANSMISSOMETER NOT
														CLEARED.
233	DS2	CTD	1447		2	48°21.46' N	125°52.42' W	BE	196.6	170	—		G	TRANS cleared!
			1452			48°21.51' N	125°52.40' W	EN	184.1	165	99330002.DAT			See note DS2.
233	DS3	CTD	2055		3	48°18.47' N	125°59.04' W	BE	608	575	99330003.DAT			
			2106			48°18.37' N	125°59.02' W	BO	617.5	577	← ACTUAL DEPTH			SAMPLED.
			2116			48°18.37' N	125°58.87' W	EN	605.7					
234	DS4	CTD	1556	PDT	4	47°41.701	127°09.425' W	BE	2585	700	99330004.DAT	2256	UT	Trans. cleared.
(UTC)			1606	PDT		47°41.707	127°09.528' W	BO	2583	701		2306	UT	CDAR 16.998 °C 32.310 PSU
			1616	PDT		47°41.708	127°09.651' W	EN	2583			2316	UT	Franks salinity/nutrs 9933-03
														take at #3
3 AUG	DS5	CTD	0452		5	47°26.06' N	127°45.59' W	BE	2691.1	700	99330005.DAT			See note DS5
35			0507			47°26.11' N	127°45.70' W	BO	2690.7	701				
			~ 0520					EN	2690.5					

CAST TYPE -	BOT - CTD - MOR -	bottle cast ctd mooring	ROS - NET - DRF -	rosette net haul drifter	USW -	sea water loop	TIME CODE -	BE - BO - EN -	beginning time of cast bottom time of cast end of cast	DE - MR - RE -	deployment time messenger release recover mooring	POSITION CODE -	RAD - GPS - LOR -	RADAR GLOBAL LORAN
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CAST TYPE -

BOT -
CTD -
MOR -bottle cast
ctd
mooringROS -
NET -
DRF -rosette
net haul
drifter

USW - sea water loop

TIME CODE -

BE -
BO -
EN -beginning time of cast
bottom time of cast
end of castDE -
MR -
RE -deployment time
messenger release
recover mooring

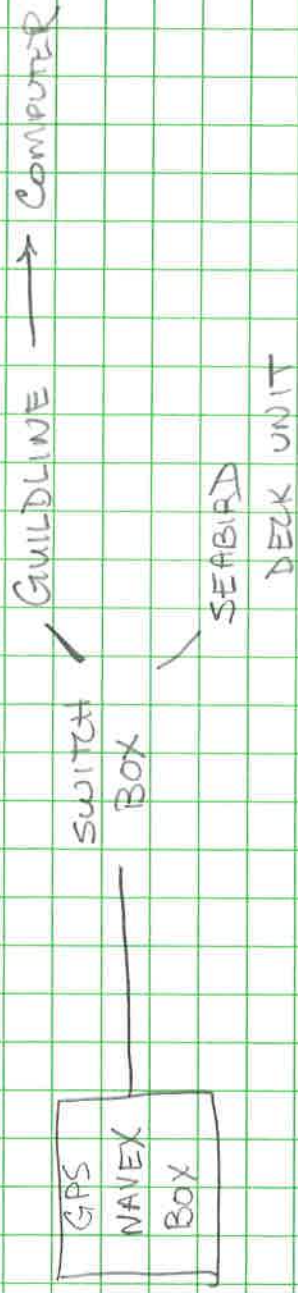
POSITION CODE -

RAD -
GPS -
LOR -RADAR
GLOBAL
LORAN

MORE NOTES

PROBLEM WITH INTERMITTENT GPS

CURRENT CONFIGURATION



BYPASSED SWITCH BOX AND SAME PROBLEM
THEREFORE SUSPECT EITHER SEABIRD DECK UNIT OR
CABLE WE USED TO BYPASS.

SEABIRD DECK UNIT SER. NO 11 P18377-0471

Send note to Robin, Frank, Doug.

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YEAR		MONTH		SHIP		CRUISE		PAGE						
1999		AUGUST		CCGS W.E. RICKER		9933		2 OF						
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
Aug 25 235	DS6	CTD	2351	UT	6	48° 16.85 N	127° 43.85 W	BE	2603.9	(700)	SAL. #4 NUTR. #4 → LOOP		G	[1656 L = PDT → for TS → CDA Q.] [32.274 ‰ 16.374 °C]
Aug 24 236			00:09			48° 16.88 N	127° 44.05	BO	2602.1	701	99330006.DAT			increased winch speed @ 300m because bumpy 1° salinity
			?			48° 16.84	127° 44.09	EN						stopped at 234 m ~ 0016 FORGOT TO TURN ON PUMPS
236	DS6	CTD	00:25	UT	7	48° 16.84 N	127° 44.17 W	BE	2596.6				G	
			00:37			48° 16.79 N	127° 44.25 W	BO	2604.2	703	99330007.DAT			
		~	00:47			48° 16.75	127° 44.28	EN	2604.5					
236	DS7	CTD	13:06		8	48° 42.85	127° 54.80	BE	2509	702	99330008.DAT		MWS	0600 Aug 24
			13:20			48° 42.85	127° 54.80	BO	2545.7		SAL #5 → LOOP NUT #5	2		Fronts sample #5 0622 31.997 15.960
			13:32			48° 42.84	127° 54.08	EN						
236	DS8	CTD	1611		9	48° 53.76	127° 32.29	BE	2275		SAL #6 - LOOP, NUTRIENT #6 SAL #7 - CTD		MWS	31.983 ‰ 15.781 °C
			1628			48° 53.77 N	127° 32.10	MR	2275.1	751.9	99330009.DAT		G	messenger away
			1641			48° 53.76	127° 32.04	BO	2275.3			1 Bottle at depth.		starting up.
			1650			48° 53.78	127° 31.99	EN						

CAST TYPE - BOT - bottle cast
CTD - ctd
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ROS - rosette
NET - net haul
DRF - drifter

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YEAR		MONTH		SHIP		CRUISE		PAGE		OF				
1999		August		CCGS W.E. RICKER		9933 (Saunders)								
DAY (UTC)	STATION ID	CAST TYPE	TIME (UTC)	TIME CODE	STD/HYDRO CONSEC #	LATITUDE	LONGITUDE	POSITION CODE	BOTTOM DEPTH (m)	MAX SAMPLING DEPTH (m)	CONSEC SAMPLE #	# OF BOTTLES	INIT	COMMENTS
23 AUG 237	DS 9	CTD	2152	BE	10	49° 16.58 N	126° 47.37 W	GPS	121.9		NUTRIENT #7 SALINITY #8	2156		15.165 °C 31.393 ‰
			2159	BO		49° 16.56 N	126° 47.41 W		121.7	109				CDAR
			2201	EN		49° 16.55 N	126° 47.42 W		121.2					
26 AUG 238	DS 10	CTD	0209	BE	11	49° 21.25	127 15.16	GPS	509	447	NUTRIENT #8 SALINITY #9			99330011. DAT
			0217	BO		49 21.27	127 15.13		503					Talvat 1927 CDAR 15.553 °C 31.753 PSV
			0223	EN		49 21.34	127 15.14		497					Spikes at bottom of cast T ₉ S ₉
			(UT)											
239	DS 11	CTD	0007	BE	12	50 49.786	129 22.117	GPS	176					1707 POT * see note
			0010	BO		50 49.582	129 22.182		176					
			0012	EN		50 49.664	129 22.244		177	156	Nutrient #9 SALT #10	1715	31.	99330012. DAT 1814 POT CDAR 15.682 °C 31.828 ‰
239	DS 12	CTD	0114	BE	13	50 47.774	129 29.978	GPS	1288	750	Nutrient #10 SALT #11			99330013. DAT Error @ 450 m
			0127	BO/MR		50 47.768	129 30.266		1356	753	SALT #12 - Bottle code 0001			1854 CDAR 31.543 13.235 °C
			0155	EN		50 47.819	129 30.392		1430					

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[illegible]

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