

DAILY LOG BOOK

MISSION
NUMBER

27
2005-~~17~~B

DATE:

From:

July 09 2005

to:

VESSEL:

FROST 1

PROJECT:

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

Guide to cable terminations:

Date of cable termination: _____

Please read and complete this form before reterminating cable. We have two standard CTD cables in use, nominal .316" and .322". This form specifically addresses these two cables, however the same considerations apply to using other cables. The specifications for non-standard cables and associated terminations are available at Tom Juhasz's office (room 1221).

Please identify nominal cable diameter:

Actual diameter measurements, two locations in triplicate at termination and approximately 5 metres back from termination. **Winch:** _____

At cable end: at 5 metres:

1. _____ 1. _____
2. _____ 2. _____
3. _____ 3. _____

For comparison, the outer armour measurements of new cable:

Nominal .316" should be .3155 to .3165"

Nominal .322" should be .318 to .326"

Record specifications for other cables: _____ within: _____

The tolerance of the PMI Evergrip termination is tighter and only cables within these limits should be used.

For nominal .316" cable the lowest possible diameter is .309"

For nominal .322" cable the lowest possible diameter is .321"

Describe cable:

Kinks: _____

Birdcage _____

Rust flaking off cable _____

Cable round or oval _____

Does cable have loose outer armour? _____

(Raised wires or space between wires.)

Are outer armour wires flattened? _____

(flaking, not just looks rusty)

Remove cable that exhibits these signs of deterioration. To be authorised by Chief Scientist of the cruise, or the winch shop (Tom Juhasz at 250-363-6598).

Megger results by conductor (should be greater than 10,000. meg ohms)

Inner armour to conductor 1 _____

Inner armour to conductor 2 _____

Inner armour to conductor 3 _____

Please identify PMI sleeve used by checking the appropriate blank:

For .316" cable, diameter of inner dimension of sleeve should be .3265" _____

part number 9004897-13, cable diameter range .309" to .320". _____

For .322" cable, diameter of inner dimension of sleeve should be .3400" _____

part number 9004897-14, cable range .321" to .333". _____

Sliding the sleeve onto the cable should be difficult.

Evergrip helical Rods:

The part number is 9005-9002 and covers left hand lay cables of diameter range .309" to .333".

Presence of grit on inner surface (yes / no) _____

Condition of wires (damaged ends?) _____

Are the wires rusted? _____

Comments:

0334CTD.CON

Thurs
July 7 to Courtenay

FRIDAY

July 8 - Arrive Port McNeill 330 Haida Inn

Sat July 9 - Frost Arrive Pt. McN 8pm - head for Knight Inlet for a.m. trawl

Sun July 10 - trawl Knight Inlet 0600 Glendale / Hoya / Protection Pt / Nicol's pass / TC

605 - Finished Burdwood trawl - head to TC3 & will work South to Knight Inlet STUS

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <u>July</u>			Year <u>2005</u>				Ship <u>FROST</u>				Cruise ID <u>2005-17B 27</u>				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keepers	Trans. cleaned	Comments
							Latitude	Longitude							
<u>SUN</u>	10 TrC 3	1830		CTD		3	50 48.96	126 25 38	245						15.19 T 20.85 S Surface
10	TrC 2.5	1919		CTD		4	50 50.43	126 19 81	308		13.44 S Surface			✓	Messenger caught
10	TrC 2	2020		CTD/R		5	50 49 28	126 12 75	266			1		✗	Sal Cal / 1m above CTD
10	TrC 1.5	2117		CTD		6	50 45 60	126 09.10	240						
10	TS1	2200		CTD		7	50 47.18	126 02.28	160	(150)				✓	Thompson Sound
<u>MON</u>	11 TrC 1	2305		CTD/R		8	50 43.6	126 10.83	320			1		✗	Sal. Cal
11	TrC 0.5	0000		CTD		9	50 40 81	126 14 63	164						82 fathoms
11	KNZ	0033		CTD		10	50 39 30	126 10 91	180					✓	
11	Kin 3	0700		CTD		11	50 49 92	126 47 68	210					✓	
11	Kin 2	0740		CTD		12	50 55.51	126 23.21	?					✓	
11	Kin 1.5	0932		CTD/R		13	50 56.23	126 28.87	440			1		✗	Sal. Cal
<u>TUES</u>	11 Kin 1	1115		CTD		14	50 36.61	126 34.48	280						
12	WP	1747		CTD/R		15	50 50.84	126 56.40	187			1		✗	Sal Cal
12	SC	1856		CTD		16	50 53.42	126 45.71	220						Touched bottom
12	Kin 0	1958		CTD/R		17	50 51.69	126 37.23	280					✗	Sal Cal
12	PP1	2053		CTD		18	50 48 81	126 31 49	130						179 fathoms
12	F1 S	2140		CTD		19	50 47.03	126 37 68	280						

Cast type:

BOT = bottle cast, no CTD
 CTD = CTD without Rosette
 ROS = Rosette plus CTD

USW = sea water loop

MOR = mooring
 NET = net haul
 DRF = drifter

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 Ammonia products

Daily_log_book.doc

5-32

83 14

SUNDAY July 10 2005 Tribune Channel

July 10 2005

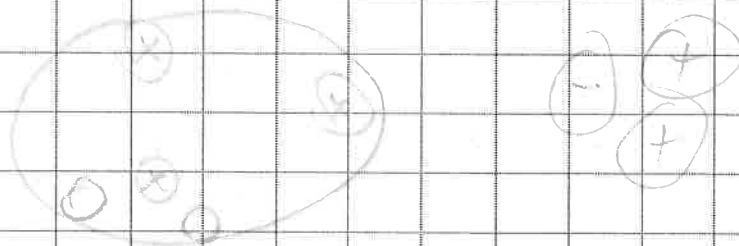
- Cast 3 to bottom, touched weight TC3
- Cast 4 to ~280 m ran out of wire / Sal bottle on / Messenger caught on marks
- 745 pm look & download files. New folder 2005-17B cast 003, 004
- Download shows transfer errors 1 on both downloads
- Thompson Sund 87 fathoms / cast to 150 m mark on wire 10 pm - all done 10 12 local time

MONDAY

July 11 2005

- Upload data cast TC2 @ 0630
- ✓ TC1.5 then stopped & did kin 3 CTD 0700
- Kin 2 download errored out as did a few casts before

July 11 0815 Vmain 10.7 / V lith 5.2
change main batteries



0830 - New Batteries 13.6 Vmain

converted data files for KIN3, KIN2 suspicious sal & T90 - con file doesn't have transmission
1245 CTDs done for today - download time Trawls around Stackhouse Island - 330 run to Port Hardy
Change a few crew & science people. Fuel for Tuesday morning.

Tuesday July 12

0600 - trawl sets off Hardy/Malcolm Is. / Airport / Telegraph Cove / Wells Pass / QCS

- 1700 jet for Wells Passage CTD run
- 1745 Wells Passage
- 2200 download casts from tonite