DAILY LOG

CRUISE NUMBER	2002-37-

INSTITUTE OF OCEAN SCIENCES

OCEAN SCIENCES AND PRODUCTIVITY DIVISION

DATE	Aug 8 – Aug 22 , 2002
VESSEL	F.V. BELINA
PROJECT	Late Run Salmon Juan de Fuca

Captain: _____ **First Officer:** _____

Second Officer: _____ **Third Officer:** _____

Mission Participants / Agencies: IOS / PSC / UBC / SFU

Scientific Personnel: **Party Chief:** RICK THOMSON (I.O.S) SHEILA TOENS (I.O.S) - TECH

Name	Watch	Cabin	Name	Watch	Cabin

Second leg of Mission: Party Chief: _____

Name	Watch	Cabin	Name	Watch	Cabin

Data logging computer: DELL LAPTOP SER# 0152016 / WLR38

Data acquisition program: SmartTalk

CTD deck unit make: — model: — serial number: _____

Primary CTD

Make: Seabird model: 12 Plus serial number: 612

Primary temperature sensor serial number: _____ Calibration date: _____

Primary conductivity sensor serial number: _____ Calibration date: _____

Secondary temperature sensor serial number: _____ Calibration date: _____

Secondary conductivity sensor serial number: _____ Calibration date: _____

Other sensors: _____ s/n: _____

Other sensors: _____ s/n: _____

Other sensors: _____ s/n: _____

Other sensors: _____ s/n: _____

Secondary CTD

Make: _____ model: _____ serial number: _____

Primary temperature sensor serial number: _____ Calibration date: _____

Primary conductivity sensor serial number: _____ Calibration date: _____

Secondary temperature sensor serial number: _____ Calibration date: _____

Secondary conductivity sensor serial number: _____ Calibration date: _____

Other sensors: _____ s/n: _____

Other sensors: _____ s/n: _____

Other sensors: _____ s/n: _____

Comments: _____

	Date
P	F 8.2
long	F 8.3
Lond	F 8.3
batt.	F 8.2
SA	F 8.3
Dens.	F 8.3
Sound	F 8.2

Time is recorded in PST

last Yellow bottom ~115m
Red
Red/green ~20m

TAKE P

lrs07.csv X

11:18:51 csv_3.csv

09:14 lrs063.csv
09:14 lrs06_6.csv

08:00 06:23 lrs11.csv 0011
09:11 lrs11_3.csv 9011

DAILY LOG

PST

upload time

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2002 | Month AUGUST | Ship BELINA | Cruise I.D. 2002-37

Day	Station I.D.	Cast Type	Time ~~(UTC)~~	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth (m)	Consec Sample #	# of Bottles	initials	Comments
08	LRS 1	CTD	10:54	BE	1	124 39.078	48 30.213	11:16	N/A	114			ST	
08	LRS2	CTD	~13:21	BO	2	124 38.106	48 32.642	13:30		106			ST	
08	LRS3	CTD			3	124 36.679	48 32.609	15:16		126			ST	bad time
08	LRS4		16:02		4	124 36.605	48 31.703	16:37		135			MH	
09	LRS 5		08:03		5 SEP1	124 36.111	48 31.001	08:28		130			MH	
09	LRS6		09:14		6 SEP2	124 37.035	4830.850	09:25		132.			MH	09:14
09	LRS7		10:32		7 SEP3	124 38.527	48 31.843	10:46		117			MH	
09	LRS8		11:36		8 SEP4	124 39.922	48 32.616	12:47		107			MH	
09	LRS 9				9 SEP5	124 37.078	48 33.138	13:52			no data		MH	
09	LRS 10				10 SEP6	124 40.083	48 32.865	15:53			no data		MH	RECONFIGURED FOR A.M. TEST

Cast type: BOT = ottle cast; CTD = CTD; MOR = mooring; ROS = Rosette; NET = net haul; DRF = drifter; USW = sea water loop

Time Code: BE = beginning time of cast; BO = bottom time of cast; EN = end of cast time; DE = deployment time; MR = messenger release time; RE = recover mooring time

INSTRUCTIONS FOR CTD - PLUS (SMART TALK) SOFTWARE

(can shut computer off at end of day - login + password will come up when u turn it on; cancel or esc)

SHORTCUT ON DESK TOP — minkley

1. Configure Instrument → Configure ~~Select 612~~ → enter new file # ⇒ Program Instrument → Exit

(*must have CTD connected for these steps ↓)

* - put dummy plugs on *

2. Do the cast (make sure to keep cells rinsed with fresh H_2O to prevent rust + corrosion etc.)

3. Hook up CTD to computer

4. Download Data → Select Std Plus → Highlight new file # → Highlight Last Run Salmon Folder → Transfer File → once 100% complete → Exit

5. View Data (if you want to see it) → Load file → choose file + enter.

Before next cast 6.* Remember to configure again (Go to Step #1) after you finish, so the CTD will log under the new file name

- fill out the log book in as much detail as possible, esp. lat + long

* - Don't leave red-coloured power plug in overnight - battery will drain (put in dummy)

Contact phone #'s : JOHN LOVE - HOME - 656-5897 / CELL - 886-3411 (HE KNOWS A LOT ABOUT THE CTD + SOFTWARE)

SHEILA TOEWS - ~~HOME~~ WORK 363-6300

To view data in computer directory (File type) select all files. This will show -Le files.

DOUBLE CLICK LRUN SALMON .RAW (DOWN LOAD FILES)

SHIFT, CTRL, DOUBLE CLICK, TO HIGHLIGHT FILES, THEN LAST SALMON RUN, TRANSFER FILES

Cont 9011 tone 09.11.15

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year	2002	PST		Month	AUGUST			Ship	BELINA				Cruise I.D.	2002-37	
Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
18	LRS11	CTD	~~0647~~ 08:00	BO	11 SET2			10:55		123				GAVE NO DATA ON FILE!! PHONED JOHN
	LRS11_3		09:11:15							117				given cast # 9011.
18	LRS12	CTD	10:25		12 SET3			10:55		90.8				
19	LRS13.RAW	CTD	0759	BO	13 SET1	124 35.238	48 30.929	08:06		121.2				
19	LRS14.RAW		09:03	BO	14 SET2	124 37.842	48 30.323	09:13		122				
19	LRS15.RAW		10:23	BO	15 SET3	124 38.939	48 33.319	10:31		78				
19	LRS16.RAW		11:33	BO	16 SET4	124 38.884	48 32.975	12:22		93				
19	LRS17.RAW		13:05	BO	17 SET5	124 35.837	48 32.033	13:13		114				
19	LRS18.RAW		14:07	BO	18 SET6	124 34.434	48 31.067	14:54		122.				
20	LRS19.RAW			BO	19 SET1	124 29.680	48 30.784	07:40						no data
20	LRS20.RAW		08:33	BO	20 SET2	124 30.912	48 30.912	13:54		123.				WOULD NOT SHOW ATTLE? TO VIEW DATA

Cast type: BOT = ottle cast; CTD = CTD; MOR = mooring; ROS = Rosette; NET = net haul; DRF = drifter; USW = sea water loop

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Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 2002 **Month** August **Ship** **Cruise I.D.** 2002-37

Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	~~Latitude~~	~~Longitude~~	~~Position Code~~	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
20	LRS21.RAW	CTD	09:35	BO	21 SET 3	12432.054	4830.421	09:43		123				
20	LRS22.RAW	CTD	10:40	BO	22 SET 4	12432.871	4829.678	11:40		124.				
20	LRS23.RAW	CTD	12:23	BO	23 SET 5	12426.436	4830.929	12:33		77				
20	LRS24.RAW	CTD	13:33	BO	24 SET 6	12426.912	4830.132	13:50		123				
22	LRS25.RAW	CTD	08:02	BO	25 SET 1	12436.530	4832.332	08:35		104.				WILL NOT LET ME INTO DIRECTORY RIGHT AWAY, FUNNY?
22	LRS26.RAW	CTD	09:07	BO	26 SET 2	12438.000	4832.305	09:30		121.				
22	LRS27.RAW	CTD	10:09	BO	27 SET 3	12439.795	4832.024	10:17		125.				
22	LRS28.RAW	CTD	11:18	BO	28 SET 4	12439.727	4831.218	12:17		126				
22	LRS29.RAW	CTD	13:11	BO	29 SET 5	12437.891	4832.069	13:20		122.				
22	LRS30.RAW	CTD	14:16	BO	30 SET 6	12435.932	4832.667	15:25		82.				

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Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year 02 AUGUST | **Month** | **Ship** | **Cruise I.D.**

Day	Station I.D.	Cast Type	Time (UTC)	Time Code	Consec. Number	Latitude	Longitude	Position Code	Bottom Depth	Max Depth	Consec Sample #	# of Bottles	initials	Comments
	LRS31.RAW	CTD		BO	31									

Cast type: BOT = ottle cast; CTD = CTD; MOR = mooring; ROS = Rosette; NET = net haul; DRF = drifter; USW = sea water loop

Time Code: BE = beginning time of cast; BO = bottom time of cast; EN = end of cast time; DE = deployment time; MR = messenger release time; RE = recover mooring time