

CRN

DAILY LOG

INSTITUTE OF OCEAN SCIENCES
OCEAN PHYSICS

DATE

VESSEL

PROJECT

Captain: Thomas/mellis

First Officer: Bill Noon / Cindy

Second Officer: Victor / Steve

Third Officer: Mike / Bob

Cruise Participants/Agencies: Hyd. / Physics

Scientific Personnel: Party Chief:

Doug Cartwright

HIC

Name

Watch Cabin

Name

Watch Cabin

Darren Tuele

HICF

Second leg of cruise: Party Chief:

Doug Cartwright

HIC

Darren Tuele

HICF

Third leg of cruise: Party Chief:

Data logging system: Unit number:

Program version:

CTD deck unit make:

model:

serial no.:

Computer make:

model:

serial no.:

Monitor make:

model:

serial no.:

Printer make:

model:

serial no.:

1st CTD make: SEABIRD

model: 1030

serial no.:

Temperature sensor

model:

serial no.:

coefficients: slope:

offset:

Conductivity sensor

model:

serial no.:

coefficients: slope:

offset:

Pressure sensor range:

psi

serial no.:

coefficients: FSP:

dB

offset:

Transmissometer

model:

serial no.:

coefficients: slope:

offset:

Comments:

CTD set to PDT & ships logs, CTD logs
etc. on MDT. CTD 1 hr. behind

Sat
July 22 95
1600 - flew out to IUIK
1900 - went over school with Cap'n Norm Thomas
2330 - fire up CTD/TEST

SUN
July 23 - IUIK @ anchor 25 NW of IUIK

Mon PM
July 24 1042 First CTD AG 1 d Hydro

Tues 0140 - AG 2 CTD
July 25

29 July BERNARD HARBOR tide gauge installation
LTPG 3
1400

Convert HEX
From ~~Work~~ to Work hex
Send file .hex

Cal Prog.

Data ext. CNU,

File name (w ext) ccf CNU con

input path work
output path | work |

C 2 3 4 5 6 36 samples

DEU #1
pinger 27 kHz SN 687 Reg.
RCM4 6924
C3

IC

40 0 5 10 20 35 40
50 0 5 10 20 45 50
60 0 5 10 20 55 60

30 0 5 10 15 20 25 30
20 0 3 5 10 15 20
15 0 3 5 10 12 15

STN

15m 0 3 5 10 12 15 actual depth
Wire 15 12 10 5 3 0 Line

20m 0 3 5 10 15 20 actual depth
Wire 20 17 15 10 5 0 Line

30m 0 5 10 15 20 30 actual depth
Wire 30 25 20 15 10 0 Line

40m 0 5 10 20 30 40 actual depth
Wire 40 35 30 20 10 0 Line

50m 0 5 10 20 30 50 actual depth
Wire 50 45 40 30 20 0 Line

60m 0 5 10 20 30 60 actual depth
Wire 60 55 50 40 30 0 Line

80m 0 10 20 30 40 80 actual depth
Wire 80 70 60 50 40 0 Line

STN IC

01 - CTD, Surf. Sal. 018
02 - CTD, Hydro Nutrients
03 - CTD, Surf. Sal. 018
04 - CTD, Hydro. Nut.
05 - CTD, Surf. Sal. 018
06 CTD, Hydro. Nut.

YEAR	95	MONTH	July	TIME ZONE	MDT	SHIP	IVIK	CRUISE	Arctic 95	PAGE	1	OF	
DAY	STATION IDENTIFICATION	DEPTH SOUNDING (m)	SHIP STOP/START TIME	LATITUDE/ LONGITUDE	STD CONSEC. #	HEX. FILE SEABIRD #	HYDRO CONSEC. #	MESSAGE TIME	HYDRO SALINITY #	OXYGEN #	SURFACE TEMPERATURE/ SALINITY	LOOP SALINITY #	NOTES
24	AG01	50	2243	70°45.1 128°00.05	1	0	2305 388m		95330001.CAL AR950400.HEX			80	Nutrients, 0 ¹⁸ Sal CTD 40m 30am
24/5	AG02	174	0142	71°02.2 127°23.13	2	1	158m		95330002.CAL AR950301.HEX				CTD 160m Shit Swells
25	AG03	370	0445	71°18.95 126°48.6	3	2	173m		95330003.CAL AR950302.HEX				CTD only Too Rough Cancel A/C Line
26	Paulatuk	15m		69°21.76 124°09.35	4	3	1820	8	9533.0004.CAL AR950503.HEX				Cal. for CTD Sal. & 0 ¹⁸ @ 14m
30	IC01	25m	0955 010	68°49.44 113°42.8	5	4	1001	9	95330005.CAL AR950604.HEX			16	CTD 25m 9507 04 Surf. Sal & 0 ¹⁸
30	IC02	45m		68°47.96 113°50.15	6	5			95330006.CAL AR950705.HEX				CTD 49m 05 Full HYDRO 45m
30	IC3	54	1117 1124	68°46.4 113°57.33	7	6			95330007.CAL AR950706.HEX				CTD 51m 06 Surf. Sal & 0 ¹⁸
30	IC4	42	1155 1216	68°44.06 113°07.53	8	7			95330008.CAL AR950707.HEX				CTD 0.5, 10, 20, 40 07 Full Hydro
30	IC5	26m	1240 1245	68°42.67 114°14.87	9	8		20	95330009.CAL AR950708.HEX				CTD 08 Surf. Sal & 0 ¹⁸
30	IC6	23	105 121	68°41.2 114°22.18	10	9			95330010.CAL AR950709.HEX				CTD 0.2, 4, 6, 14, 19 09 Full HYDRO
AUG 2	DP1	146		68°29.163 114°03.458	11	10	1346	27	0011 AR951010.HEX			16.3	CTD Surf. Sal. & 0 ¹⁸
2	DP2	21	1410 1413	68°30.452 113°55.886	12	11	1411	28	95331012.CAL 1011				CTD Surf. Sal & 0 ¹⁸

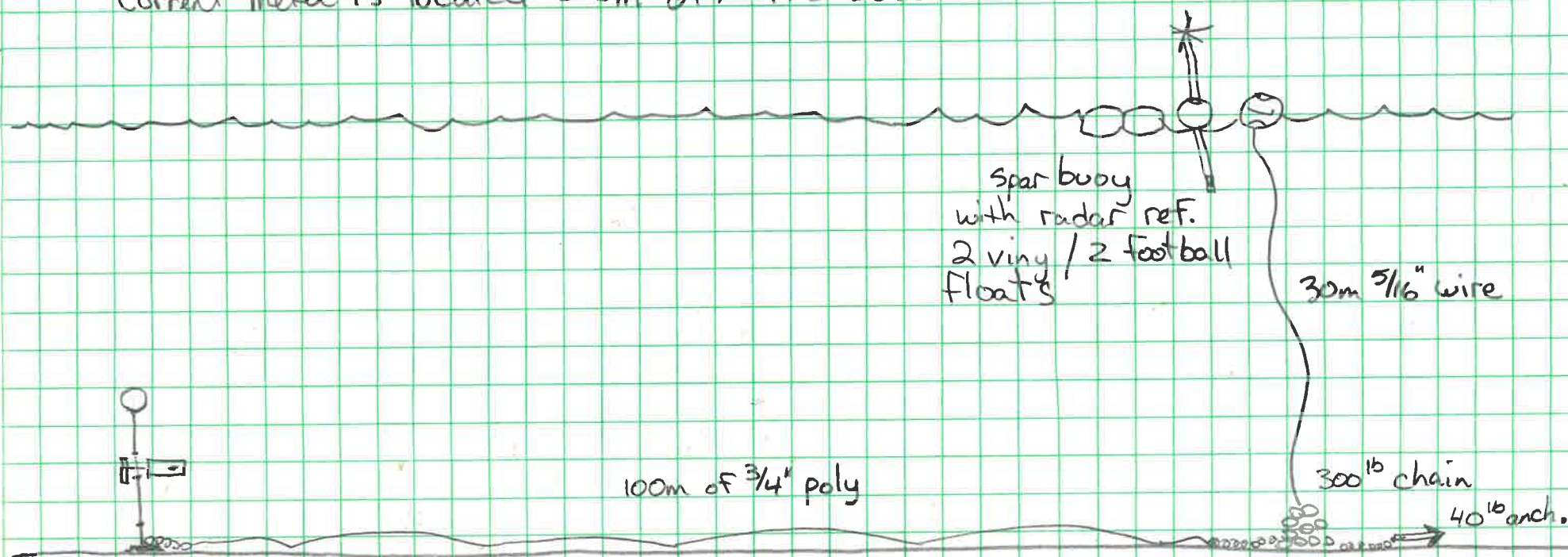
Dolphin & Union

July 30 95

1542 MDT
30 07 95
23.5 m

Dolphin & Union Current Meter Mooring

current meter is located 3.5m off the bottom



Plot files = CNOJ04	= IC1	25m
05	= IC2	45m
06	= IC3	54m
07	= IC4	42m
08	= IC5	26m
09	= IC6	23m

Aug 01 95 - Coppermine - Crew change
02 0800 - run to Dickens Pt line for CTD
1320 - Fine drill
1340 - CTD Line - Southern Lambert Ch. - Dickens Pt
Surf 018 - Sal. - DP1, DP2, DP3, DP4, DP5, DP6, DP7, DP8, DP9
anchored up 1800 in Lady Franklin Dew Line Site

Aug 3 0700 - anchor up
0900 - at CY1 site
- chopper off
DY1 0900 - commence cast 86m CTD
DY2 0950 - 130m CTD Hydro Sal. 018 Nut.
0,5 10 20 50

DY3

DY4

DY5

DY6 - 1430 all done - Surf 018 CTD
V main 7.3 Lth 5.7
casts 26
Sample - 25903
Free - 60842

AUG 3

1800 - Compass swing while at anchor
West of Johannes Bay on Victoria Island
Bearing from ship to two poles on beach &
compass while was $4.5^{\circ}T$ We shifted until
the orientation locked on CM with the
bearing - CM SW 6582 Turned on 1840 MDT
readings - 920 pm = $4.5^{\circ}T$ - then 60° clockwise

YEAR	95	MONTH	AUG.	TIME ZONE	MDT	SHIP	IVIK	CRUISE	ARC 95	PAGE	2	OF		
DAY		STATION IDENTIFICATION	DEPTH SOUNDING (m)	SHIP STOP/START TIME	LATITUDE/ LONGITUDE	95330013.CAL STD CONSEC #	HEX FILE SEABIRD #	HYDRO CONSEC #	MESSAGE TIME	HYDRO SALINITY #	OXYGEN #	SURFACE TEMPERATURE/ SALINITY	LOOP SALINITY #	NOTES
Aug														
2	DP3	17.4	1433 68°31.858 1437 113°48.858	13				1435	29	95330013.CAL AR951012.HEX		Surf. Sal +0.8 CTD		AR951011
2	DP4	24.6	1502 68°33.14 1506 113°41.08	14	?			1505	30	NO Record		CTD		AR951012
2	DP5	18.7	1519 68°33.783 1525 113°37.297	14				1522	31	95330014.CAL AR951013.HEX		CTD Surf. Sal +0.8		
2	DP6	24	1536 68°34.460 1542 113°33.467	15				1540	32	AR951014.HEX		CTD Surf. Sal +0.8		
2	DP7	16	1554 68°35.148 1600 113°29.701	16				1558	33	AR951015.HEX		CTD Surf. Sal +0.8		
2	DP8	26	1610 68°35.74 1616 113°25.888	17				1613	34	AR951016.HEX		CTD 19m Surf. Sal +0.8		
2	DP9	10	1625 68°36.251 1630 113°23.120	18	/			1628		AR951017.HEX		CTD Surf. Sal +0.8		AR951017
3	DY1	86	0855 68°27.94 0920 112°44.67	19		18				AR951118.HEX	19.8	CTD Surf. Sal +0.8		AR1118
3	DY2	130	0940 68°24.91 1020 112°44.58	20		19				AR951719.HEX		CTD Hydro 115m		AR1719
3	DY2	39	1130 1135			20				AR951220.HEX		NO Pump 39m		AR951220
3	DY2 Bucket		1203			21 22				AR951321		Bucket test		AR951321
3	DY3	96	1122 68°22.10 1137 112°45.28	21	23					AR951422 AR951523.HEX		Bucket		AR951523

SPIDN4
Aug 4 / 95

Sisters Island

0600 - Anchor 5 miles W Johansen Bay
0730 - SI1 CTD 018 Station while anchored 25m
0755 - SI2 CTD 018 69m
0815 - SI3 CTD 018 120m
0858 - DIVE, back on chopper
SI4 CTD 018 127m
0930 - SI5 CTD 018 275m
1015 - SI6 CTD 018 80m

ALL SI STNS. 018 are Surface.

SI - SISTERS ISLAND

1100 - Changed batteries in CTD - Cast 29 + 31
had bat-tail flag on Data Upload
- heading for Edinburgh Channel for
current meter mooring

1130 - Chopper on way back to ship

EDINBURGH CHANNEL MOORING

145pm Start mooring 68°28.62 111°04.51

CM on water 152

On bottom 156 68°28.51 111°04.12

YEAR	95	MONTH	AUG	TIME ZONE	MBT	SHIP	IUIK	CRUISE	AR95	PAGE	3 OF		
DAY	STATION IDENTIFICATION	DEPTH SOUNDING (m)	SHIP STOP/START TIME	LATITUDE N LONGITUDE W	STD CONSEC. #	HEX. FILE STD TIME SEABIRD #	HYDRO CONSEC. #	MESSANGER TIME	HYDRO SALINITY #	OXYGEN #	SURFACE TEMPERATURE SALINITY	LOOP SALINITY #	NOTES
AUG													
3	DY4	219	1200	68°18.92									CTD Hydro
			1230	12°44.65		24		No File					198m AR951624.H
3	DY5	224	1325	68°15.77									CTD
			1352	12°44.59	22				AR951624.Hex				018 Surf.
3	DY6	71m	1410	68°13.15									CTD AR951625
			1423	12°44.59	23								018 Surf.
4	SI1	25	0728	68°32.6									CTD - Surf. 018
			0738	111°35.2	24				AR951826.Hex		8.0		
4	SI2	69	0757	68°30.9									CTD - Surf. 018
			0802	111°35.4	25				AR951827.Hex				
4	SI3	120	0817	68°29.35									CTD - Surf. 018
			0830	111°35.45	26								
4	SI4	177	0900	68°27.79									CTD - Surf. 018
			0917	111°35.38	27								AR951829.Hex
4	SI5	275	0930	68°26.17									CTD - Surf. 018
			0950	111°35.45	28								
4	SI6	80	1008	68°24.54									CTD - Surf. 018
			1015	111°35.49	29								
4	EC	50	1415	68°28.62									MOORING SITE
			1420	111°04.51	30				AR951932.Hex				Surf. 018 - CTD

Sat
Aug 5.

- Pull anchor & run to Baychimo
- Flew to Brown Sound to find settlement there, but no settlement to be found.
- Anchor baychimo 7pm.

Sun
Aug 6

- 0700 at anchor Baychimo
- 1300 Doug (HIC) & I went to ~~the~~ Village to Nancy & Jacks to talk about updating sailing directions

MON
Aug 7

- 0730 pull anchor
- underway to Byron Bay Dew Line Site to check on fuel cache.
- 1630 - anchor 5 miles East of Byron Bay.

TUES. 0700 - at anchor. TPO1 CTD, surf. 018
Aug 8 0730 - CTD TPO1 Victoria Island

0745 - anchor up

0820 - TP2 surf. 018 flat calm, cloud

0850 - TP3 ✓

08930 - TP4 ✓

1000 - TP5 ✓

1030 - All done TP6 ✓ off to CP line @ 1033

Seabird dump - total 39 casts Vmain 8.2

Samples 41757 Free 44988

209 - Station CPl

535 - Finish CPC heading to Wellington Bay to anchor

YEAR	95	MONTH	AUG	TIME ZONE	MDT	SHIP	ARCTIC IULIK	CRUISE	AR95	PAGE	4 OF		
DAY	STATION IDENTIFICATION	DEPTH SOUNDING (m)	SHIP STOP/START TIME	LATITUDE/ LONGITUDE	STD CONSEC. #	HEX. FILE SEABIRD #	HYDRO CONSEC. #	MESSENGER TIME	HYDRO SALINITY #	OXYGEN #	SURFACE TEMPERATURE/ SALINITY	LOOP SALINITY #	NOTES
Tues													
8	TP1	23	0732	68°48.9 108°40.7	31 33				AR952033.hex			14.5	CTD, Surf. 018 Victoria Island
8	TP2	103	0818 0830	68°46.9 108°36.1	32								CTD, Surf. 018
8	TP3	120	0850 0905	68°44.7 108°31.0	33 35								CTD, Surf. 018
8	TP4	122	0923 0939	68°42.5 108°25.7	34 36								CTD, Surf. 018
8	TP5	60	0959 1008	68°40.2 108°20.3	35 37								CTD, Surf. 018
8	TP6	10	1022 1030	68°38.3 108°15.8	36 38				AR952038.hex				CTD, Surf. 018 Turnagain Pt.
8	CP1	6	210 217	68°49.2 106°48.8	37 39							16.6	CTD, Surf. 018 Kent Peninsula
8	CP2	60	319 328	68°51.8 106°54.0	38 40								CTD, Surf. 018
8	CP3	88	350 401	68°54.5 106°59.6	39 41								CTD, Surf. 018
8	CP4	68	421 435	68°57.1 107°05.0	40 42		430						CTD 018 @ 20m Surf. 018
8	CP5	65	455 505	68°59.9 107°10.8	41 43								CTD, Surf. 018
8	CP6	14	523 531	69°02.1 07°15.4	42 44								CTD, Surf. 018

WED
AUG 9

- 0730 - at anchor CA1 first CTD, surf O₂
- 0750 - under way

1010 - CAS complete - run to CC line
- Download data while running
between CA & CC line

1130 - CC1

210 - done CC5 - off to Cambridge Bay

Thur 10

- Put in channel marker buoys all day.

Doug & I went in & GPS Loran tower
& found both reference stations

Fri 11

- Day mark & range painting day

YEAR	95	MONTH	AUG	TIME ZONE	MDT	SHIP	IVIK	CRUISE	AR 95	PAGE	5 OF		
DAY	STATION IDENTIFICATION	DEPTH SOUNDING (m)	SHIP STOP/START TIME	LATITUDE/ LONGITUDE N W	STD CONSEC. #	SEABIRD Hex. File	HYDRO CONSEC. #	MESSENGER TIME	HYDRO SALINITY #	OXYGEN #	SURFACE TEMPERATURE/ SALINITY	LOOP SALINITY #	NOTES
Wed													
9	CA1	20	0730	69°07.3	43								CTD, Surf. 018
			0750	106°08.9	45								10.3 Sunny, glass
9	CA2	32	0818	69°04.8	44								CTD, Surf. 018
			0824	106°09.6	46								
9	CA3	65	0850	69°02.2	45		0859						CTD cal @ 30m - salt
			0910	106°10.2	47								018. Surf. 018
9	CA4	32	0925	68°59.6	46								CTD. Surf. 018
				106°10.9	48				AR952348.hex				
9	CA4b	32	0940	68°59.6									CTD cast to 30m
			0948	106°10.9	49				AR952349.hex				no weight - cond. cell ck
9	CA5	46	1003	68°57.03	47								CTD. Surf. 018
			1011	106°11.3	50								
9	CC1	20	1130	68°53.5	48								CTD. Surf. 018
				105°43.9	51				AR952451			11.6	No weight
9	CC2	56	1206	68°54.5	49								4m line on weight
				105°36.9	52								CTD. Surf. 018
9	CC3	74	1252	68°55.5	50								
			1313	105°29.9	53								
9	CC4	70	1333	68°56.5	51								CTD. Surf. 018
			1400	105°23.0	54								
9	CC5	40	1508	68°57.5	52								CTD. Surf. 018
			205	105.16.0	55								

Aug 12
Saturday

- 0830 - left Cambridge Bay. Gnarote to
Melbourne CTD line

1230 - MI 1 stn

1400 - chopper away to CB to p/u Tom light tech.
- MI 4 CTD cal at $\approx 95-96m$

1530 - Chopper back with Tom & Doug.
- MI 5 STN complete.

YEAR	95	MONTH	AUG	TIME ZONE	MDT	SHIP	IUIK	CRUISE	AR 95	PAGE	6	OF	
DAY	STATION IDENTIFICATION	DEPTH SOUNDING (m)	SHIP STOP/START TIME	LATITUDE/ LONGITUDE ^N _W	STD CONSEC. #	STD TIME	HYDRO CONSEC. #	MESSENGER TIME	HYDRO SALINITY #	OXYGEN #	SURFACE TEMPERATURE/ SALINITY	LOOP SALINITY #	NOTES
Aug					52								
12	MI 1	30	1235	68°34.3	53							20.2	CTD 30m
			1238	104°34.8	56								
12	MI 2	76	1310	68°38.5	54								CTD 76m
			1319	104°26.8	57								
12	MI 3	86	1400	68°42.6	55								CTD. Surf. 018
			1403	104°18.9	58								
12	MI 4	99	1433	68°46.78	56								CTD cal. Sal. @ 95m
			1447	104°11.11	59								5° wine >
12	MI 5	58	1520	68°50.8	57								CTD 58m
			1530	104°02.9	60								
13	J11	18	0700	68-42.3	58							7.1	CTD 18m
			0705	102-20.3	61			AR952661.hex					
13	J12	43	7:38	68-44.2	59								CTD 43m
			7:43	102-24.5	62			AR952662.hex					
13	J13	73	8:05	68-46.0	60								CTD 73m
			8:16	102-28.6	63								018 surf
13	J14	13	8:30	68-47.8	61								CTD 13m
			8:39	102-37.8	64								
15	A101	36.8	1345	69-11.7	62							19.0	CTD 018
				160-16.9	65								surf
15	A102	59.7	14:28	69-15.6	63								CTD 018
			14:38	100-29.4	66								surf
15	A103	50.2	15:11	69-14.4	64								CTD 018
			15:20	100-41.8	67								SURF

YEAR	MONTH		TIME		ZONE		SHIP		CRUISE		PAGE	OF	
DAY	STATION IDENTIFICATION	DEPTH SOUNDING (m)	SHIP STOP/START TIME	LATITUDE/ LONGITUDE	STD CONSEC #	STD TIME	HYDRO CONSEC #	MESSENGER TIME	HYDRO SALINITY #	OXYGEN #	SURFACE TEMPERATURE/ SALINITY	LOOP SALINITY #	NOTES
					64								
15	A104	11.5	1614 69-23.2	65	68								CTD 018 surf
16	CF01	62.1	12:21 69-54.5	66	69							51	CTD 018 surf
16	CF02	137.7	13:47 69-55.4	67	71			AR952871. HEX					CTD 018 surf
16	CF03	161.5	14:04 98-36.3	68	72								CTD 018 surf
16	CF04	144.7	15:26 69-56.4	69	73								CTD 018 surf
16	CF05	108.5	15:43 99-05.7	70	74								CTD 018 surf
16	CF06	36.5	16:56 69-57.5	71	75								CTD 018 surf
17	G101	111	20:23 100-34.3	72	76			AR952876. hex				67.5	CTD 018 surf
17	G102	204.8	10:29 70-34.0	73	77								CTD 018 surf
17	G103	220.3	10:45 99-52.9	74	78								CTD 018 surf
17	G104	158.4	13:00 70-32.2	75	79								CTD 018 surf
17	G105	54	13:22 99-12.8	76	80			AR953080. HEX					CTD 018 surf
			14:47 70-30.6										
			15:10 98-32.8										
			16:21 70-28.8										
			16:38 97-53.0										
			17:55 70-27.1										
			18:05 97-13.3										

YEAR	MONTH		TIME ZONE		SHIP		CRUISE		PAGE	OF			
DAY	STATION IDENTIFICATION	DEPTH SOUNDING (m)	SHIP STOP/START TIME	LATITUDE/ LONGITUDE	STD CONSEC. #	STD TIME	HYDRO CONSEC. #	MESSENGER TIME	HYDRO SALINITY #	OXYGEN #	SURFACE TEMPERATURE/ SALINITY	LOOP SALINITY #	NOTES
					76								
17	G106	45.7	19:36	70-25.4	77								CTD 018 surf F
			19:45	96-33.4	77	81		clock set 19			AR953081.hex		CTD 018 surf F
19	B101	200	07:56	72-33.5	78								CTD 196m 018 surf F
			08:25	96-22.0	78	3402					AR953402.hex		CTD 018 surf F
19	B102	400+	08:57	72-33.6	79								CTD 018 surf F
			09:13	96-01.6	79	03						14.8	CTD 018 surf F
19	B103	380+	09:33	72-33.7	80								CTD 018 surf F
			09:58	95-57.4	80	04							CTD 018 surf F
19	B104	300+	10:17	72-33.8	81								CTD 018 surf F
			10:43	95-45.2	81	05							CTD 018 surf F
19	B105	48	11:03	72-33.9	82								CTD 018 surf F
			11:12	95-32.8	82	06							CTD 018 surf F
19	P101	191.4	15:42	73-05.5	83								CTD 018 surf F
			16:03	96-33.9	83	07					AR4707.hex	12.3	CTD 018 surf F
19	P102	302	16:28	73-05.5	84								CTD 018 surf F
			16:50	96-19.2	84	08							CTD 018 surf F
19	P103	303.5	17:16	73-05.4	85								CTD 018 surf F
			17:25	96-05.0	85	09							CTD 018 surf F
19	P104	157.2	18:07	73-05.4	86								CTD 018 surf F
			18:24	95-31.0	86	10							CTD 018 surf F
20	G601	70	08:48	73-44.6	87								CTD 018 surf F
			09:03	95-41.8	87	11						20.0	CTD 018 surf F
20	G602	231	09:30	73-44.7	88								CTD 018 surf F
			09:52	95-39.7	88	12							CTD 018 surf F

OCEAN PHYSICS														INSTITUTE OF OCEAN SCIENCES	
YEAR	MONTH		TIME ZONE		SHIP				CRUISE				PAGE	OF	
DAY	STATION IDENTIFICATION	DEPTH SOUNDING (m)	SHIP STOP/START TIME	LATITUDE/ LONGITUDE	STD CONSEC. #	STD TIME	HYDRO CONSEC. #	MESSENGER TIME	HYDRO SALINITY #	OXYGEN #	SURFACE TEMPERATURE/ SALINITY	LOOP SALINITY #	NOTES		
20	G03	255	10:20 73-44.8 10:45 96-17.9	89	13								CTD 018 surf		
20	G04	216	11:12 73-44.9 11:50 96-35.3	90	14								CTD 018 surf		
20	G05	156.6	12:37 73-45.0 12:54 96-35.4	91	15								CTD 018 surf		
21	PR01	134	08:06 71-58.4 08:30 96-27.2	92	16	47	17	- 163m					22.8 CTD 018 surf		
21	PR02	400+	08:57 71-58.4 09:18 96-08.8	93	13		196m						CTD 018 surf		
21	PR03	400+	10:10 71-58.4 10:33 95-50.9	94	14		192m						CTD 018 surf		
21	PR04	213	11:00 71-58.3 11:22 95-32.8	95	20		196m						CTD 018 surf		
21	PR05	1417	11:53 71-58.3 12:12 95-15.0	96	21		180m						CTD 018 surf		
22	CE01	169.7	18:06 71-49.9 18:27 96-31.6	97	22		170m						CTD 018 surf		
22	CE02	410+	18:52 71-47.2 19:14 96-20.2	98	23		196m						CTD 018 surf		
22	CE03	310	19:39 71-44.7 20:00 96-10.0	99	24								CTD 018 surf		
22	CE04	420+	20:24 71-42.3 20:46 95-59.9	100	25								CTD 018 surf		

AR954715.HEX

16 * 4716 - NO CAST

AR954721.HEX

AR954722.HEX

Aug 21 195

Arctic IULK

Mag Pie

Rock

71-59.8

94-28.0

18.7

Speed

12.6

Full

Away

Speed

6.1

Current

East

13:45

MDT

LW @

15:10

@ Fort

Ross

∴

1 25

before

LOW

Water

Current is

6.1 knots

East

in

contradiction

to

Tidal

Note on

7552

Sept 3

'95

Arctic

IULK

Currents

at

West

End

(Bellot)

1.5 knots

50° F

Sept 1 '95 Bellot Strait Currents

SHIP @ 71-57.18 Drift 224° @ 0.74 knots 3:43-4:13 MDT
95-16.61 Wind NE 18

ICE @ 71-57.48 Drift 193° @ 0.4 knots 3:43-4:10 MDT
95-14.69 Wind NE 18

ICE @ 71-57.13 Drift 204° @ 0.58 knots 3:43-4:13 MDT
95-13.81 Wind NE 18

SHIP @ 71-57.72 Drift 152° @ 1.11 knots A:52 GPS Fix
95-10.89 Wind NW 24

SHIP @ 71-58.09 Drift 85° @ 2.5 knots ? 15:10 GPS
95-06.97 Wind NE 17

SHIP @ 71-58.12 Drift 45° @ 1.25 knots ? 5:15 GPS
95-06.74 Wind NE 17

SHIP @ 71-58.58 Drift 240° @ 2.0 knots Estimate ~~GPS~~
95-01.0 Wind NE 20 Inshore

* SHIP @ 71-58.99 Drift 250° @ 1.5 knots GPS 5:48
95-55.8 Wind 22 NE

SHIP @ 71-59 32 Drift 250° @ 0.6 knots 06:03 GPS
94-50.14 wind NE 15

SHIP @ Drift 140° @ 0.5 knots 6:24 GPS
Wind NE 14

SHIP @ 72-00.4 Drift 119° @ 1.0 knots 6:55 GPS
94-35.7 NNE 27

~~TIDE TURNED approx 6:15~~

SHIP 72-00.2 Drift 250° @ 4.0 knots Estimated 7:09
94-31.2

SHIP @ 72-00.15 Drift 250° @ 3.0 knots Estimated 7:07
94-29.76

SHIP @ 72-00.00 Drift 250° @ 1.0 knot Estimated 7:11
94-27.45

SHIP @ 71-59.76 Drift 260° @ 1.0 knots Estimated 7:18
94-24.15

End of Currents

Aug 31 20 00 MDT 1 hr after slack 2-3 knots
Flood

YEAR	MONTH	TIME ZONE	SHIP	CRUISE	PAGE	OF							
DAY	STATION IDENTIFICATION	DEPTH SOUNDING (m)	SHIP STOP/START TIME	LATITUDE/ LONGITUDE	STD CONSEC #	STD TIME	HYDRO CONSEC #	MESSENGER TIME	HYDRO SALINITY #	OXYGEN #	SURFACE TEMPERATURE/ SALINITY	LOOP SALINITY #	NOTES
22	CE05	147.8	21:09 71-39.7 21:27 95-49.7	101	4726	158m							CTD 0.18 F
September													
3	BF01	200	17:39 71-59.67 17:55 94-46.49	102	27	90m							CTD 0.18 F
3	PR09	236	20:21 71-58.42 20:41 95-32.48	103	23	193m							CTD
3	PR03	425	21:23 71-58.54 21:43 95-52.74	104	29								CTD
3	PR02	455	22:23 71-57.90 22:44 96-02.12	105	30								CTD
4	CE04	390	03:11 71-42.71 03:32 95-58.45	106	31								CTD
5	A103	50	14:13 69-19.42 14:20 100-41.66	107	32	52m							CTD
5	A102	60	14:58 69-15.71 15:05 100-29.15	108	33								CTD
6	J104	35	10:48 68-47.39 10:51 102-31.72	109	34								CTD
6	J103	76	11:04 68-45.97 11:15 102-28.6	110	35								CTD
6	J102	49	11:37 68-44.83 11:56 102-24.39	111	36								CTD

YEAR	MONTH		TIME ZONE		SHIP		CRUISE		PAGE	OF			
DAY	STATION IDENTIFICATION	DEPTH SOUNDING (m)	SHIP STOP/START TIME	LATITUDE/ LONGITUDE	STD CONSEC. #	STD TIME	HYDRO CONSEC. #	MESSENGER TIME	HYDRO SALINITY #	OXYGEN #	SURFACE TEMPERATURE/ SALINITY	LOOP SALINITY #	NOTES
6	J101	55	11:53	68-42.6	111								
			11:58	102-21.0	112	37							CTD
10	SW1	6.4		68-38.58									
			13:50	97-44.84	113	38							CTD Simpson Strait Western
10	SW2	17.4		68-38.34									
			13:58	97-45.65	114	39							CTD
10	SW3	23.5		68-38.89									
			14:03	97-46.81	115	40							CTD
10	SW4	17.6		68-37.72									
			14:08	97-47.11	116	41							CTD
10	SW5	25.9		68-37.50									
			14:15	97-47.43	117	42							CTD
10	SW6	24.1		68-37.32									
			14:20	97-50.42	118	43							CTD
* 11	SM1	14.3		68-32.21									
			9:49	97-17.75	119	44							CTD Simpson Strait Center
11	SM2	17.7		68-32.01									
			9:56	97-18.26	120	46	23.8m	AR954746.hex					CTD
11	SM3	9.4		68-31.78									
			10:00	97-18.73	121	47	7.4m	4747.hex					CTD
11	SM4	26.5		68-31.99									
			10:06	97-19.15	122	48	23.8m	4748.hex					CTD
11	SM5	17.4		68-31.29									
			10:12	97-19.51	123	49	14.6m	AR954749.hex					CTD

YEAR		MONTH		TIME ZONE		SHIP		CRUISE		PAGE		OF	
DAY	STATION IDENTIFICATION	DEPTH SOUNDING (m)	SHIP STOP/START TIME	LATITUDE/ LONGITUDE	STD CONSEC. #	STD TIME	HYDRO CONSEC. #	MESSENGER TIME	HYDRO SALINITY #	OXYGEN #	SURFACE TEMPERATURE/ SALINITY	LOOP SALINITY #	NOTES
Sept 11	SE1238	17:10	68-28.15 96-55.48	124	50			AR954750.HEX					CTD Simpson Strait East
Aug 2	DP4	24.6	1502 683314 1506 113 41 08	125	1505			30					CTD Surf. Sal 018

HEX



Paulatuk

Cast 0

Samples 0-786
7/24 2152

0400

Cast 3

7/26 1828

0503

Paulatuk cal.

~ Samples 5610-6293

Cast 4

7/30

0900

0604

IC 1

6294 - 6912

Cast 5

7/30

0931

0705

6913 - 7514

Cast 6

7/30

1017

0706

~~0706~~

7515 - 8182

Cast 7

7/30

1058

0707

8183 - 8732

Cast 8

7/30

1140

0708

8733 - 9392

Cast 9

7/30

1208

9393 - 9767

End - 1/1 - 2011
" X Cast