

DAILY LOG

CRUISE
NUMBER

IOS 2002
- 40

INSTITUTE OF OCEAN SCIENCES

OCEAN SCIENCES AND PRODUCTIVITY DIVISION

DATE

13 - 25 Nov 2002

VESSEL

VECTOR

PROJECT

Knight Inlet - zoopl
aggreg. at sills

Captain: GLEN ORMISTON **First Officer:** KENT REED

Second Officer: AL CLEMENS **Third Officer:** _____

Mission Participants / Agencies:

Scientific Personnel:

Party Chief: D. Mackas

[illegible]

Second leg of Mission: Party Chief:

[illegible]

Data logging computer: AC PAC-O SAP - FS03

88-8 computer: one SAP = 1303

Data acquisition program:

CTD deck unit make: SRV model: 11 serial number: 0619

Primary CTD

Make: Scabour model: 911 serial number: 09P72654 0585

Primary temperature sensor serial number: 2023 serial number: 01122634 0383
Calibration date: _____

Primary conductivity sensor serial number: 223 Calibration date: 4/74

Secondary temperature sensor serial number: 2106 Calibration date: 2006

Secondary conductivity sensor serial number: 1764 Calibration date:

Other sensors: wet/cb/s X mass on meter s/n: 333PR calibration date:

Other sensors: Fluorometer s/n: 2281
Fluorometer s/n: 2281

Other sensors: _____
 s/n: _____
 Other sensors: _____
 s/n: _____

Other sensors: _____

 s/n: _____
 s/n: _____

Secondary CTD - Bioness

Make: Seabird model: 25 serial number: 252690

Primary temperature sensor serial number: serial number, Calibration date:

Primary conductivity sensor serial number: _____

Calibration date: _____

Secondary temperature sensor serial number: _____ Calibration date: _____
 _____ Calibration date: _____

Secondary conductivity sensor serial number: _____ Calibration date: _____
C-1 _____

Other sensors: _____ s/n: _____
 Other sensors: _____ s/n: _____

Other sensors: _____
s/n: _____

Other sensors: _____
s/n: _____

ents: _____

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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Year	2002				Month	November				Ship	Vector				Cruise I.D. 2002-40		
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			
14	Soanich	BION	0000	UTC	001	48 39.1	123 30.6			20				Test			
		OPC	0020	UTC	002												
14	Soanich	CTD	0048	BE	003	48 39.20	123 30.54		188					Test OPC tow			
			0053	BO	003	48 39.21	123 30.49			175				CTD only			
			0057	EN	003	48 39.23	123 30.45										
14	GEO1	OPC	0537	BE	004	49 14.59	123 44.47		401	255				OPC tow			
			0614	EN	004				401								
14	GEO1	NET	0637	BE	005	49°15.16	123 45.02		401	400?				Rob's Net (unzipped)			
			0700	EN										400 → 20 m didn't trip.			
14	GEO1	NET	0709	BE	006	49°15.08	123° 44.88		401	300?				(wireangle ~ 45)			
			0740	EN										300-200m 387 mess. or			
15	ADCP	MOR	1625	MR	007	50°40.315	126° 01.898		169m					(wireangle ~ 50+) Didn't trip			
	WASP	MOR	(defer)	MR	WASP won't power up. Do CTDs bongs KN09 back to s 11)												
15	KN09	CTD	1702	BE	008	50 42.97	125 41.95		517								
			1714	BO		50 42.84	125 42.00			495				Year in file may be 1999			
			1720	EN		50 42.76	125 41.01										
		NET	1838		009	50°43.12	125° 41.76		520	100				0-100 Bongo - preserve both sides			

Cast type:

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15	K8	NET	1:55		010				335	100				0-100m bongo	
15	K8	CTD	1958	BE	011	50 41.485N	125 50.021 W		337					preserve both sides	
	1	1	2010	BO	011	50 41.640N	125 50.138 W			320					
	1	1	2017	EN	011	50 41.751	125 50.188 W								
15	K1	CTD	2054	BE	012	50 40.73	125 55.58		454		Salcal 1	1		calibr bottle @ 429m	
1	1	1	2105	BO	1	50 40.71	125 55.49			430					
1	1	1	2120	EN	1	50 40.68	125 55.45							spout open @ surface	
	1	NET	2136		013	50 40.72	125 55.57		454	100				0-100m bongo	
	KN05	NET			014									both sides preserved	
15	KN05	CTD	2220	BE	015	50 40.75	125 58.14		175					0-100 Bongo	
	KN05	1	2226	BO	1	50 40.73	125 58.12			166				both sides preserved	
	KN05	1	2230			50 40.725	125 58.100								
15	WASP	MOR	2330		016	50 40.362	126 01.712			162.3					
15	KN04	CTD	2348	BE	017	50 40.71	126 01.27		145						
1	1	1	2353	BO	1	50 40.72	126 1.30			130					
			2355	EN	1	50 40.72	126 1.28								
16	KN04	NET	00:06		018	50 40.68	126 01.21		145	100				0-100m bongo	
														both sides preserved	

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16	KN03	NET			019										
16	KN03	CTD	0043	BE	020	50 40.15	126 03.83		180					0-100 bongo both sides preserved	
1			0048	BO	1	50 40.15	126 3.84								
			0052	EN	1	50 40.18	126 3.77			173					
16	No Name	CTD	0108		21	50 40.01	126 6.01		173	173					
1			0113		1	50 39.99	126 6.08								
1			0117		1	50 40.00	126 6.14								
1		NET	0131		22	50 39.89	126 05.95		173	100					
16	KN02	NET			23										
		CTD	0226		24	50 39.42	126 12.59		251					← this is right net header!	
					1	50 39.52	126 12.69			244				calibr. bottle	
			0245		1	50 39.65	126 12.60							2° sal still w syringe	
16	KN02	CTD		BE	25	50 39.27	126 12.65		240					Dave hangs his head!	
1			0302	BO	1	50 39.30	126 12.59			180		1		no pingor on screen	
			0308	EN	1	50 39.41	126 12.50							calib + 25	
16	KN01	CTD		BE	26	50 38.27	126 21.03		201						
1			0355	BO	1	50 38.30	126 20.92			191					
			0400	EN	1	50 38.32	126 20.90								
16	KN01	NET	0404	BE	27									Bongo 0-100m	

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16	KN01	Net	0410		27	50 38.353N	126 21.039W		200	100				4.15.20°	
16	2LE	Net	0500		28	50° 38.132	126° 30.00							0-100m bongo	
16	2LE	CTD	0504	BE	29	50 38.13	126 29.83		185					both nets preserved	
1	1	1	0510	BO	1	50 38.09	126 29.77			175					
			0514	EN	1	50 38.02	126 29.73								
16	Transect Line		~1700	BE		50 38.13	126 30.0							3 ping, high-freq ADCP	
17			0042	EN		50 57.39	125 32.16							and OPC/SOUP transect	
17	KN12	CTD	0220	BE	30	51 02.58	125 33.84		235					2LE to near KN11	
1	1	1	0227	BO	1	51 02.53	125 33.76			216					
1	1	1	0232	EN	1	51 02.53	125 33.61								
17	KN12	NET	02:44		31	51° 02.52	125° 33.97		235	100				0-100m bongo	
17	KN11	NET	03:20		32	50° 58.8	125° 33.503							both nets preserved	
1	1	CTD	0328	BE	33	50 58.43	125 33.55		335					same ↑	
1	1	1	0337	BO	1	50 58.40	125 33.57			317					
1	1	1	0344	EN	1	50 58.42	125 33.49								
17	KN10	CTD	0415	BE	34	50 54.70	125 32.62		412					Calib 700 sample	
1	1	1	0427	BO	1	50 54.58	125 32.57			394	34	1		S = 31.510 @ trip	
1	1	1	0442	EN	1	50 54.48	125 32.76								

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17	KN10	NET	04:48		35	50°54.44	125°32.77		412	100				0-100m congo
17	KN08	NET	05:27		36	50°52.29	125°38.65		496	100				
1	KN08	CTD	05:37	BE	37	50 52.30	125 38.65		496					
1	1	1	0549	BO	1	50 52.27	125 38.66			489				
1	1	1	0601	EN	1	50 52.22	125 38.72							
17	KN07	CTD	0633	BE	38	50 48.21	125 37.57		523					CTD filename changed
1	1	1	0645	BO	1	50 48.19	125 37.59		1	512				from 0035 to 0038 (fine or trouble entering name?)
1	1	1	0653	EN	1	50 48.14	125 37.61							
1	1	NET	0700		39	50°48.09	125°37.69		523	100				0-100m congo
17	KN06	CTD	0728	BE	40	50 45.40	125 40.94		527					
1	1	1	0741	BO	1	50 45.41	125 40.86			516		1		Cal = 40 (‰) sample
1	1	1	0754	EN	1	50 45.38	125 40.76							31.517‰ z=515.8m
1	1	NET	0806		41	50°45.30	125°40.73		527	100				
1	1	NET	0833		42	50°45.45	125°40.64		527	500				0-500m congo for Allen's & crew
17	Repeat Lines	ACOUS	1555	BE		50°40.715	125°58.075							Repeat EW Lines KN054 → KN03, 3 pulg. ADCP (also power failure at 1552) RESON OPC

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18	KNØ3	ZOOVIS			43									
18	WSILL	NET	1300		44									Vertical test of pressure sensor on BIONESS
18	WSILL	NET			45									BIONESS tow down w slope of sill, near slack H ₂ O
18	WSILL	NET	ZOOVIS		46									
19	Tow				47									- Acoustic/OPC tow w end of Knight I.
19	Lady Is	NET			48									BIONESS
19	Village Is	NET	2203		49									Trawl
	Lady Is	NET			50									Trawl
19	Lady Is	ZOOVIS	2330		51									Camera tow-yos
20		I	0310	EN	I	50 39.4	126 20.5							
20	ZOOVIS Calibration	NET	0323	BE	52	50° 38.41	126° 21.15							0-30m oblique bongo
I		I	0332	EN	I	50° 38.40	126° 22.04							
20	WSILL	Net	20:56		53									Bioness
20/21	"	ZOOVIS	02:30		54									
21	ESILL	CTD	0305	BE	55	50 40.74	125 59.41		85					
I	I	I	0308	BO	I	50 40.77	125 59.41			77				
I	I	I	0310	EN	I	50 40.78	125 59.04							
21	ESILL	NET	0319		56	50° 40.64	125° 59.48		88	85				0-85m bongo

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21	WSILL	TRAWL	1645	BE	57	50 41.65	126 00.34							
			1658	BOT (m)		50 41.10	126 00.81		120-160					
			1720	BOT (m)		50 40.09	126 01.37							
			1727	EN		50 39.77	126 01.8							
21	RESON	RESON + OPC	1828	BE	58	50° 40.13	126° 00.93							RESON multibeam bathymetric
			1540	EN		50° 40.44	126° 59.265							9nd over sill
22	ESILL	TRAWL	0028	BE	59	50° 40.77	126° 00.05		65-90					Other trawl, targetting
			0035	Bo		50° 40.37	125° 59.90							fish school E rim of
			0042	Bo		50° 40.11	125° 59.75							sill
			0045	EN		50 40.16	125° 59.5							
22	~KN04	ZOOVIS		BE	60	50 40.5 ±	126° 02 ±							ZOOVIS sampling of
	-KN03		0600	EN										near-surface patches
22	GLACIER BAY	ACOU + OPC	1555	BE	61	50 51.8	125 40.0							& euphausiids
			1700	EN										
22	GLACIER BAY	ZOOVIS	1728	BE	62	~50 52.9	~125 35.3							
				EN										
22	GLACIER BAY	NET	2007	BE	63	50 53.41	125 33.61							BIONESS
23	W of Sill	ZOOVIS/CTD	0308	BE	64									Running CTD on deck
			0541	EN		50° 41.21	126° 01.13							for light (dark lights) within 510 is 99

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23	S of Shewell Is	NET	1629		065	50 38.5	126 15.58		180					Blowess	
23	W Sill	ZOOVUS			66									Very successful	
24	KNO2	CTD	0050	BE	67	50 39.46	126 12.51		255					Cal 15 #67	
1	1	1	0102	BO	1	50 39.25	126 12.62			243	67	1			
			0106	EN	1	50 39 ?	126 12.71								
24	KNO1	CTD	0138	BE	68	50 38.30	126 21.10		203					01:44:30 mess time	
1	1	1	0146	BO	1	50 38.27	126 21.10			182	68	1		01:47:00 start up	
			0150	EN	1	50 38.25	126 21.08							183m @ bottle trip	
25	GEO1	NET	1800		69	49 14.9	123 44.9							Ring net 300-400m	
	1	NET	1830		70	49 14.9	123 44.8							200-300m	
	1	NET			71									200-100	
	1	NET			72									100-0	
	1	CTD	1928	BE	73	49 14.83	123 44.69		406						
	1	1	1936	BO	1	49 14.78	123 44.52			393					
	1	1	1942	EN	1	49 14.74	123 44.40								

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