

CRUISE
NUMBER

9930

DAILY LOG
INSTITUTE OF OCEAN SCIENCES
OCEAN PHYSICS

DATE

June 21-28

VESSEL

Vector

PROJECT

uVic
Juan de Fuca/SN

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR 1999			MONTH June			SHIP Vector			CRUISE 99-30					PAGE 1 OF 1	
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	
22	H501	CTD	0346	GPS	001				100(90)	90					
	H501	CTD	0357		002				112/95	112 95					
	C02	CTD	09:46		003				155	140					
	C03	CTD	10:08		004				172	155					
	C04	CTD	10:43		005				202	187				1 Spike in T, 2 Spikes in C	
	C05	CTD	11:15		006				196	185					
	C06	CTD	11:41		007				191	180					
	C07	CTD	12:12		008				147	138					
	C08	CTD	12:32		009				164	154				Hyst.	
	C09	CTD	13:45		010				145	134					
	C10	CTD	14:13		011				102	98					
	C11	CTD	14:38		012				19	15					
	ADGPS	CTD	2333		013				112	105					
23	SN14	CTD	16:13	GMT	014	48°51.01N	123°34.94W		184	175					
	SN14	CTD	18:40	"	015	"	"		184	174					
	SN14	CTD	22:51	"	016	"	"		185	175					
	SN14	CTD	01:56	"	017	"	"		185	175				2 jellyfish	
	SN15	CTD	02:25	"	018	48°51.69N	123°35.31W		206	195					

CAST TYPE -
 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

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR			MONTH			SHIP			CRUISE			PAGE		OF	
1999			June			Vector			99-30			2			
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	
	SN16	CTD	02:50	GMT	019	48°52.39N	123°35.59		213	205			TR		
	SN16	CTD	05:41	GMT	020	"	"		214	205			TR		
	SN15	CTD	06:10	"	021	48°51.67N	123°35.30W		206	195			TR		
	SN14	CTD	06:36	"	022	48°51.00N	123°34.93W		185	174			TR		
	SN13	CTD	07:03	"	023	48°50.39N	123°34.74W		261 ⁽²¹³⁾	238			TR		
	SN12	CTD	07:31	"	024	48°49.99N	123°34.78W		160 ⁽¹⁵⁶⁾	145			TR		
	SN11	CTD	07:58	"	025	48°49.00N	123°34.71W		260 ⁽²⁰⁵⁾	197			TR		
	SN10	CTD	08:26	"	026	48°48.66N	123°33.82W		222 ⁽²¹⁵⁾	207			TR		
	SN09	CTD	08:56	"	027	48°47.98N	123°32.97W		160	148			TR		
	SN08	CTD	09:18	"	028	48 47.62N	123 33.33W		143 ⁽¹²⁸⁾	118			KS		
	SN05	CTD	09:47	"	029	48 46.52N	123 33.72W		59	50			KS	offset between	
	SN04	CTD	10:05	"	030	48 45.93N	123 34.37W		71	63			KS	plotted stations and bridge	
	SN03	CTD	10:23	"	031	48 45.35N	123 33.98W		90 ⁽⁹⁴⁾	84			KS	"on-station" position.	
	SN02	CTD	10:46	"	032	48 44.45N	123 33.51W		115 ⁽¹¹⁰⁾	102			KS		
	SN01	CTD	11:22	"	033	48 43.41N	123 31.52W		69	62			KS		
	SN02	CTD	12:09	"	034	48 44.42N	123 33.44W		127	114			KS		
	SN03	CTD	12:39	"	035	48 45.32N	123 33.97W		92 ⁽⁹⁵⁾	90			KS		
	SN04	CTD	13:02	"	036	48 45.93 N	123 34.51 W		77 ⁽⁶⁶⁾	61			KS		

CAST TYPE -

BOT -

bottle cast
ctd
mooring

ROS -

rosette
net haul
drifter

USW -

sea water loop

TIME CODE -

BE -

beginning time of cast
BO - bottom time of cast
EN - end of cast

DE -

deployment time
MR - messenger release
RE - recover mooring

POSITION CODE -

RAD -

GPS -
LOR -
RADAR
GLOBAL
LORAN

DAILY LOG

OCEAN PHYSICS

INSTITUTE OF OCEAN SCIENCES

YEAR 1999		MONTH JUNE				SHIP VECTOR				CRUISE 99-30				PAGE 3 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	
	SN05	CTD	13:29	GMT	037	48 46.54 N	123 33.63 W		59	51			KS		
	SN06	CTD	13:56	GMT	038	48 46.72 N	123 33.20 W		70 ⁽⁶⁶⁾	65			KS		
	SN07	CTD	14:12	GMT	039	48 47.09 N	123 33.39 W		85 ⁽⁸¹⁾	79			KS		
	SN08	CTD	14:32	GMT	040	48 47.62 N	123 33.33 W		142	134			KS		
	SN09	CTD	14:50	GMT	041	48 48.00 N	123 32.97 W		159 ⁽¹⁵⁴⁾	150			KS		
24	SN10	CTD	15:18	GMT	042	48 48.67 N	123 33.83 W		221 ⁽²¹³⁾	210			KS		
	SN11	CTD	15:46	GMT	043	48 49.04 N	123 34.71 W		263 ⁽²⁴⁵⁾	233			KS		
	SN12	CTD	16:19	GMT	044	48 50.00 N	123 34.80 W		159 ⁽¹⁶⁶⁾	160			KS		
	SN13	CTD	16:40	GMT	045	48 50.44	123 34.74		260/220	208			RD	Joe jams winch in panic to get coffee cup!!!	
	SN14	CTD	17:18	"	046	48 50.98 N	123 34.93		183	178			TR	Spooling by hand	
	SN15	CTD	18:04	"	047	48 51.73 N	123 35.25 W		205	200			TR	"	
	SN16	CTD	18:28	"	048	48 52.37	123 35.61		218	205			RD	Fixed chain drive, auto winch winched	
	SN13.5	CTD	20:05	"	049	48 50.36	123 34.78		270	265			TR	Deep Water. 1 ^{hr} /5	
	SN2	CTD	21:34	"	050	48 44.52 N	123 33.53 W		115	103			TR		
	SN1.5	CTD	01:07	"	051	48 43.96 N	123 32.81 W		139	128			TR		
	SN09 - TOW YAW		03:43	"	052	ST: 48 48.11 N ED: 48 48.46 N	123 33.29 W 123 33.91 W		20 To	60/70					
25	A1	CTD	10:00	GMT	053	48 13.92 N	123 30.17 W		172	160			KS	← Wader is odd (can date file)	
	A2	CTD	11:00	GMT	054	48 14.14 N	123 40.13 W		165	158			KS		

CAST TYPE - BOT - bottle 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

DE - deployment time
MR - messenger release
RE - recover mooring

POSITION CODE - RAD - RADAR
GPS - GLOBAL
LOR - LORAN

DAILY LOG

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YEAR			MONTH			SHIP			CRUISE			PAGE		OF	
1999			June			VECTOR			99-30			4			
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	
25	A03	CTD	11:55	GMT	055	48 15.94N	123 50.13 W	GPS	167	162			KS		
	A04	CTD	12:51	GMT	056	48 17.68N	124 0.04W	GPS	190	176			KS		
	A05	CTD	13:47	GMT	057	48 20.43N	124 10.12 W	GPS	190	180			KS		
	ADCP5	CTD	16:27	GMT	058	48 24.99N	124 11.52W	GPS	111	94			KS		
	ADCPW	CTD	16:58	GMT	059	48 25.52N	124 11.97W	GPS	99	90			KS		
	C11	CTD	19:13	GMT	060	48° 24.46N	124 4.63W	GPS	21	16			TR		
	C10	CTD	19:28	GMT	061	48° 23.53N	124° 5.15W	GPS	101	92			TR		
	C09	CTD	19:45	GMT	062	48° 22.51N	124° 5.92W	GPS	147	141			TR		
	C08	CTD	20:01	GMT	063	48° 21.80N	124° 6.47W	GPS	162	153			TR		
	C07	CTD	20:18	GMT	064	48° 21.16N	124° 6.90W	GPS	145	134			TR		
	C06	CTD	20:38	GMT	065	48° 19.58N	124° 8.07W	GPS	194	184			TR		
	C05	CTD	20:56	GMT	066	48° 18.60N	124° 8.66W	GPS	199	187			TR		
	C04	CTD	21:17	GMT	067	48° 17.60N	124° 9.30W	GPS	204	190			TR		
	C03	CTD	21:36	GMT	068	48° 16.29N	124° 10.43W	GPS	173	163			TR		
	C02	CTD	21:51	GMT	069	48° 15.57N	124° 10.97W	GPS	152	140			TR		
	C01	CTD	22:08	GMT	070	48° 14.90N	124° 11.43W	GPS	72 ⁽⁵⁸⁾	50			TR		
	A02	CTD	00:30	GMT	071	48° 14.18N	123° 40.20W	GPS	165	150				Bottle at bottom (4)	

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TIME CODE -

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EN -beginning time of cast
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end of castDE -
MR -
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messenger release
recover mooring

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26	SN01	CTD	06:11 06:11	06:14 GMT	072	48° 43.45	123° 31.66	GPS	70	66			11	check hose connecting T+C.
26	SN02	CTD	06:30	GMT	073	48° 44.48	123° 33.45	GPS	115	106.			11	
26	SN03	CTD	06:45	GMT	074	48° 45.39	123° 33.98	GPS	88/78	70			11	
26	SN04	CTD	06:57	GMT	075	48 45.95	123° 34.38	GPS	77/70	65			11	
26	SN05	CTD	07:10	GMT	076	48 46.54	123 33.60	GPS	50	55			11	
26	SN08	CTD	7:27	GMT	077	48 47.63	123 33.33	GPS	145	133			11	
26	SN09	CTD	7:40	GMT	078	48 47.98	123 33.00	GPS	160	149			11	
26	SN10	CTD	8:01	GMT	079	48 48.68	123 33.86	GPS	230	220			11	
26	SN11	CTD	8:22	GMT	080	48 49.03	123 37.75	GPS	240/220	210			11	Both 02 at 210
26	SN12	CTD	8:46	GMT	081	48 50.03	123 34.81	GPS	170	160			11	
26	SN13	CTD	8:01	GMT	082	48 50:44	123 34.73	GPS	254?	215			11	
26	SN14	CTD	9:20	GMT	083	48 51.00	123 34.93	GPS	185	175			11	
26	SN15	CTD	9:40	GMT	084	48 51.67	123 35.33	GPS	207	200				
26	SN16	CTD	10:08	GMT	085	48 52:38	123 35.60	GPS	215	200				03 (Bottle) 200
26	SN16	CTD	10:53	GMT	086	48 49.02	123 34.77	GPS	215 210	204				
26	SN02	CTD	23:05	GMT	087	48 44.49	123 33.49	GPS	125 120	115				
26	SN02	CTD	23:37	GMT	088	48 44.51	123 33.66	GPS	110	97				
27	SN09	CTD	2:55	GMT	089	48 48.09	123 33.33	GPS	175	128				with TOMI

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YEAR		MONTH		SHIP		CRUISE					PAGE		OF	
1999		June		Vector		9930								
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
27	SN01	CTD	5:10	GMT	090	48 43.48	123 31.65	GPS	70	64				
27	SN02	CTD	5:29	GMT	091	48 44.50	123 33.48	GPS	111	100				
27	SN03	CTD	5:44	GMT	092	48 45.37	123 34.02	GPS	94	90				
27	SN04	CTD	5:58	GMT	093	48 45.96	123 34.47	GPS	80	76				
27	SN05	CTD	6:12	GMT	094	48 46.51	123 33.64	GPS	60	55				
27	SN08	CTD	6:30	GMT	095	48 47.62	123 33.36	GPS	143	136				
27	SN09	CTD	6:45	GMT	096	48 47.98	123 32.97	GPS	160	143				
27	SN10	CTD	7:06	GMT	097	48 48.66	123 33.82	GPS	220	210				
27	SN11	CTD	7:30	GMT	098	48 49.03	123 34.68	GPS	275	250				Bottle
27	SN12	CTD	8:00	GMT	099	48 50.01	123 34.81	GPS	158	152				
27	SN13	CTD	8:15	GMT	100	48 50.41	123 34.74	GPS	280	247				
27	SN14	CTD	8:15	GMT	101	48 50.98	123 34.93	GPS	180	170				
27	SN15	CTD	8:55	GMT	102	48 51.69	123 35.32	GPS	206	200				
27	SN16	CTD	9:16	GMT	103	48 52.37	123 35.59	GPS	206	200				
27	SN01	CTD	23:12		104	48 43.52	123 31.70	GPS	70	65				

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