

Event Log: RV Alpha Helix HX271 GLOBEC CGOA Process Cruise #4 April/May 2003												
* replicate event numbers are correct and corresponding CTD # and station information is correct												
Event	Activity	CTD #	Region	Station	Local Date		Time	Latitude	Longitude	Depth (m)		comments
					day	month				Local	bottom	
1	CTD	1	IS	GAK1	24	April	13:40	59.845	-149.467	270		
2	200 um net		IS	GAK1	24	April	14:10	59.845	-149.467	270		ring net
3	Quad		IS	GAK1	24	April	14:24	59.845	-149.467	270		calvet
4	CTD	2	IS	GAK3	24	April	16:21	59.553	-149.188	214		
5	200 um net		IS	GAK3	24	April	16:46	59.553	-149.188	214		ring net
6	Quad		IS	GAK3	24	April	16:55	59.553	-149.188	214		
7	CTD	3	MS	GAK5	24	April	19:00	59.262	-148.908	170		
8	Ring Net		MS	GAK5	24	April	19:23	59.262	-148.908	170		ring net
9	Quad		MS	GAK5	24	April	19:30	59.262	-148.908	170		calvet
10	CTD	4	MS	GAK7	24	April	21:35	58.972	-148.630	244		
11	Ring Net		MS	GAK7	24	April	22:00	58.972	-148.630	244		ring net
12	Quad		MS	GAK7	24	April	22:10	58.972	-148.630	244		calvet
13	CTD	5	OS	GAK10	25	April	6:45	58.542	-148.212	1465	250	
14	Ring Net		OS	GAK10	25	April	7:00	58.542	-148.212	1465		large cod end
15	Ring Net		OS	GAK10	25	April	7:11	58.542	-148.212	1465		
16	Ring Net		OS	GAK10	25	April	7:22	58.542	-148.212	1465		
17	CTD	6	OS	GAK10	25	April	8:03	58.542	-148.212	1465	25	13m water for fsw
18	CTD	7	OS	GAK10	25	April	9:01	58.542	-148.212	1465	25	13m water for exp1
19	CTD	8	OS	GAK10	25	April	11:56	58.542	-148.212	1465	200	noon profile
20	Quad		OS	GAK10	25	April	12:30	58.542	-148.212	1465		
21	Ring Net		OS	GAK10	25	April	12:41	58.542	-148.212	1465	50	for lipids
22	CTD	9	OS	GAK11	25	April	13:47	58.388	-148.072	1432		
23	Ring Net		OS	GAK11	25	April	14:25	58.388	-148.072	1432		
24	Quad		OS	GAK11	25	April	14:30	58.388	-148.072	1432		
25	CTD	10	OS	GAK12	25	April	15:40	58.243	-147.933	2160		
26	Quad		OS	GAK12	25	April	16:35	58.243	-147.933	2160		did a recast
27	CTD	11	OS	GAK13	25	April	17:40	58.098	-147.793	2089		
28	Ring Net		OS	GAK13	25	April	18:15	58.098	-147.793	2089	50	for lipids
29	Quad		OS	GAK13	25	April	18:24	58.098	-147.793	2089		
30	Ring Net		OS	GAK10	25	April	23:07	58.542	-148.212	1465	50	
31	Ring Net		OS	GAK10	25	April	23:19	58.542	-148.212	1465	75	
32	CTD	12	OS	GAK10	25	April	23:30	58.542	-148.212	1465	500	
33	Quad		OS	GAK10	26	April	0:04	58.542	-148.212	1465	100	
34	MOCNESS		OS	GAK10	26	April	0:26	58.542	-148.212	1465	100	
35	Ring Net (x2)		OS	GAK10	26	April	7:01	58.542	-148.212	1465		
36	CTD	13	OS	GAK10	26	April	12:00	58.542	-148.212	1465		
37	Ring Net		OS	GAK10	26	April	12:30	58.542	-148.212	1465		
38	Ring Net		OS	GAK10	26	April	12:45	58.542	-148.212	1465		
39	CTD	14	OS	GAK10	26	April	14:00	58.542	-148.212	1465	50	9m water for DE2 fsw
40	CTD	15	OS	GAK10	26	April	14:55	58.542	-148.212	1465		for Dagg grazing
41	CTD	16	OS	GAK10	26	April	15:41	58.542	-148.212	1465		for DE2 wsw
42	Ring Net (x2)		OS	GAK10	26	April	23:05	58.542	-148.212	1465		
43	CTD	17	OS	GAK10	26	April	23:30	58.542	-148.212	1465		

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44	Quad		OS	GAK10	27	April	0:04	58.542	-148.212	1465		
45	MOCNESS		OS	GAK10	27	April	0:20	58.542	-148.212	1465		
46	Ring Net		OS	GAK10	27	April	7:00	58.542	-148.212	1465		
47	Ring Net		OS	GAK10	27	April	7:17	58.542	-148.212	1465		
48	Ring Net		OS	GAK10	27	April	7:33	58.542	-148.212	1465		
49	CTD	18	OS	GAK10	27	April	8:00	58.542	-148.212	1465	100	10m water for DE3
50	CTD	19	OS	GAK10	27	April	9:00	58.542	-148.212	1465	100	10m water for grazing 3
51	CTD	20	OS	GAK10	27	April	12:03	58.542	-148.212	1465		
52	egg transfer		OS	GAK10	27	April	17:40	58.542	-148.212	1465		
53	CTD	21	OS	GAK10	27	April	23:00	58.542	-148.212	1465		
54	Quad		OS	GAK10	27	April	23:40	58.542	-148.212	1465	100	
55	MOCNESS		OS	GAK10	28	April	0:00	58.542	-148.212	1465	100	
56	Ring Net		MS	GAK7	28	April	6:30	58.972	-148.630	244		
57	Ring Net (x2)		MS	GAK7	28	April	6:31	58.972	-148.630	244		
58	CTD	22	MS	GAK7	28	April	6:59	58.972	-148.630	244		
59	Ring Net		OS	GAK8	28	April	8:39	58.792	-148.490	390	50	
60	Quad		OS	GAK8	28	April	8:56	58.792	-148.490	390		
61	CTD	23	OS	GAK8	28	April	9:15	58.792	-148.490	390		
62	Quad		OS	GAK9	28	April	10:40	58.680	-148.350	279		
63	CTD	24	OS	GAK9	28	April	10:50	58.680	-148.350	279		
64	CTD	25	OS	GAK10	28	April	12:30	58.542	-148.212	1465	1443	
65	Ring Net		OS	GAK10	28	April	13:55	58.542	-148.212	1465		
66	CTD	26	OS	GAK10	28	April	14:40	58.542	-148.212	1465		9 m water for fsw
67	CTD	27	OS	GAK10	28	April	15:54	58.542	-148.212	1465		10L bottles failed
68	CTD	28	OS	GAK10	28	April	16:30	58.542	-148.212	1465		9m water for grazing 4
69	Ring Net (x2)		OS	GAK10	28	April	23:00	58.542	-148.212	1465	100	
70	CTD		OS	GAK10	28	April	23:20	58.542	-148.212	1465		aborted short circuit
71	Quad		OS	GAK10	28	April	23:40	58.542	-148.212	1465	100	
72	MOCNESS		OS	GAK10	29	April	0:10	58.542	-148.212	1465	100	
73	Ring Net (x3)		PWS	PWS2	30	April	7:00	60.535	-147.803	734	100	
74	CTD	29	PWS	PWS2	30	April	8:00	60.535	-147.803	734	100	
75	CTD	30	PWS	PWS2	30	April	9:00	60.535	-147.803	734		fluor on CTD set to 3x
76	CTD	31	PWS	PWS2	30	April	10:00	60.535	-147.803	734	50	
77	CTD	32	PWS	PWS2	30	April	12:05	60.535	-147.803	734		aborted
78	CTD	33	PWS	PWS2	30	April	13:23	60.535	-147.803	734		aborted
79	Ring Net (x2)		PWS	PWS2	30	April	14:30	60.535	-147.803	734	100	
80	CTD	34	PWS	PWS2	30	April	15:00	60.535	-147.803	734		noon cast, samples labled CTD33
80.5a	CTD	35	PWS	biolum1	30	April	18:30	60.304	-147.980	523		
80.5b	Ring Net		PWS	biolum1	30	April	18:45	60.304	-147.980	523	100	
81	CTD	36	PWS	PWS2	30	April	23:30	60.535	-147.803	734	100	
82	Quad		PWS	PWS2	30	April	23:45	60.535	-147.803	734	100	
83	MOCNESS		PWS	PWS2	1	May	0:02	60.535	-147.803	734		
84	Ring Net (x2)		PWS	PWS2	1	May	7:15	60.535	-147.803	734		
85	CTD	37	PWS	PWS2	1	May	12:00	60.535	-147.803	734	50	
86	Ring Net		PWS	PWS2	1	May	13:21	60.535	-147.803	734	170	

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87	Ring Net		PWS	PWS2	1	May	13:30	60.535	-147.803	734	170	failed
88	Ring Net		PWS	PWS2	1	May	13:58	60.535	-147.803	734	100	exp6 fsw
89	Ring Net		PWS	PWS2	1	May	14:21	60.535	-147.803	734	3	exp6 wsw
90	CTD	38	PWS	PWS2	1	May	14:39	60.535	-147.803	734	3	
91	CTD	39	PWS	PWS2	1	May	15:37	60.535	-147.803	734		
92	CTD	40	PWS	PWS2	1	May	23:30	60.535	-147.803	734	100	
93	Quad		PWS	PWS2	2	May	23:40	60.535	-147.803	734	100	
94	MOCNESS		PWS	PWS2	2	May	0:15	60.535	-147.803	734	100	
95	Ring Net		PWS	PWS2	2	May	7:00	60.535	-147.803	734	100	
96	Ring Net		PWS	PWS2	2	May	7:15	60.535	-147.803	734	100	
97	Ring Net		PWS	PWS2	2	May	7:36	60.535	-147.803	734	100	
98	Ring Net		PWS	PWS2	2	May	7:45	60.535	-147.803	734	100	
99	CTD	41	PWS	PWS2	2	May	8:00	60.535	-147.803	734		
100	CTD	42	PWS	PWS2	2	May	9:00	60.535	-147.803	734		
101	CTD	43	PWS	PWS2	2	May	12:00	60.535	-147.803	734	250	
102	Ring Net		PWS	PWS2	2	May	13:00	60.535	-147.803	734		
103	Ring Net		PWS	PWS2	2	May	13:20	60.535	-147.803	734	150	
104	Ring Net		PWS	PWS2	2	May	13:50	60.535	-147.803	734	150	
105	Ring Net		PWS	PWS2	2	May	23:25	60.535	-147.803	734	50	
106	CTD	44	PWS	PWS2	2	May	23:34	60.535	-147.803	734	100	
107	Quad		PWS	PWS2	2	May	23:44	60.535	-147.803	734		
108	MOCNESS		PWS	PWS2	3	May	12:18	60.535	-147.803	734	100	
109	Ring Net(x2)		PWS	PWS2	3	May	7:15	60.535	-147.803	734	175	
110	CTD	45	PWS	PWS2	3	May	12:00	60.535	-147.803	734		
111	Ring Net		PWS	PWS2	3	May	13:00	60.535	-147.803	734	50	
112	Ring Net		PWS	PWS2	3	May	13:15	60.535	-147.803	734	100	
113	CTD	46	PWS	PWS2	3	May	14:00	60.535	-147.803	734		fsw
114	CTD	47	PWS	PWS2	3	May	14:58	60.535	-147.803	734		exp8
115	Ring Net (x2)		PWS	PWS2	3	May	20:00	60.535	-147.803	734	175	
116	CTD	48	PWS	PWS2	3	May	23:00	60.535	-147.803	734	100	
117	Quad		PWS	PWS2	3	May	23:25	60.535	-147.803	734	100	
118	MOCNESS		PWS	PWS2	3	May	23:45	60.535	-147.803	734	100	
119	CTD	49	PWS	HB1	4	May	3:57	60.193	-147.699	250	245	
120	CTD	50	PWS	HB2	4	May	4:08	60.180	-147.640	128	169	
121	CTD	51	PWS	HB3	4	May	4:34	60.164	-147.575	88	87	
122	CTD	52	PWS	HB2	4	May	5:20	60.180	-147.640	128	75	GA7
123	Ring Net		PWS	HB2	4	May	6:12	60.180	-147.640	128	75	
124	Quad		PWS	HB2	4	May	6:27	60.180	-147.640	128	169	
125	MOCNESS		PWS	HB2	4	May	8:26	60.180	-147.640	128	166	
126	CTD	53	PWS	MS1	4	May	9:18	59.954	-147.927	164	160	
127	CTD	54	PWS	MS2	4	May	9:40	59.943	-147.895	192		
128	CTD	55	PWS	MS3	4	May	10:06	59.932	-147.857	161	157	
129	CTD	56	PWS	MS	4	May	10:31	59.943	-147.895	192	75	
130	Ring Net		PWS	MS	4	May	10:45	59.943	-147.895	192	75	
131	Quad		PWS	MS	4	May	11:00	59.943	-147.895	192	175	

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					day	month				bottom	event max	
132	MOCNESS		PWS	MS	4	May	11:22	59.943	-147.895	192		
133	Drifter Release		PWS	----	4	May	13:25	59.943	-147.895	192	40	
134	CTD	57	PWS	PWSW1	4	May	14:26	59.926	-148.337	121	145	
135	CTD	58	PWS	PWSW2	4	May	15:00	59.876	-148.332	71	66	
136	CTD	59	PWS	PWSW3	4	May	15:30	59.825	-148.332	122	118	
137	Ring Net		PWS	PWSW3	4	May	15:50	59.825	-148.332	122	75	
138	Quad		PWS	PWSW3	4	May	16:10	59.825	-148.332	122	100	
139	MOCNESS		PWS	PWSW3	4	May	16:30	59.825	-148.332	122	114	
140	CTD	60	ACC	CF1	4	May	18:40	59.908	-148.867	40	78	
141	CTD	61	ACC	CF2	4	May	19:00	59.883	-148.867	114	112	
142	CTD	62	ACC	CF3	4	May	19:24	59.850	-148.867	161	157	
143	CTD	63	ACC	CF4	4	May	19:53	59.817	-148.867	182	173	
144	CTD	64	ACC	CF3.5	4	May	20:21	59.834	-148.869	172		
145	Ring Net		ACC	CF3i	4	May	20:47	59.834	-148.869	172	75	
146	Quad		ACC	CF3i	4	May	21:00	59.834	-148.869	172	165?	
147	MOCNESS		ACC	CF3i	4	May	21:20	59.834	-148.869	172	166	
148	MOCNESS		ACC	CF3i	4	May	22:30	59.834	-148.869	172	10	surface recast
149	CTD	65	ACC	GAK1i	5	May	0:40	59.667	-149.397	262	257	
150	CTD	66	ACC	ACC1	5	May	1:20	59.729	-149.362	242	240	
151	CTD	67	ACC	GAK1i	5	May	1:52	59.667	-149.397	262	76	
152	CTD	---	ACC	GAK1i	5	May	----	59.667	-149.397	262		cancelled
153	Ring Net		ACC	GAK1i	5	May	2:05	59.667	-149.397	262	75	
154	Quad		ACC	GAK1i	5	May	2:15	59.667	-149.397	262	175	
155	MOCNESS		ACC	GAK1i	5	May	2:35	59.667	-149.397	262	200	
156	Ring Net (x2)		ACC	GAK1i	5	May	10:30	59.667	-149.397	262	175	
157	CTD	68	ACC	GAK1i	5	May	12:00	59.667	-149.397	262		
158	Ring Net		ACC	GAK1i	5	May	13:10	59.667	-149.397	262	50	failed
159	Ring Net		ACC	GAK1i	5	May	13:20	59.667	-149.397	262	50	
160	Ring Net		ACC	GAK1i	5	May	13:30	59.667	-149.397	262	100	
161	CTD	69	ACC	GAK1i	5	May	14:07	59.667	-149.397	262	105	fsw
162	CTD	70	ACC	GAK1i	5	May	15:01	59.667	-149.397	262	51	exp9
163	CTD	71	ACC	GAK1i	5	May	15:45	59.667	-149.397	262	269	1st inner SL survey
164	CTD	72	ACC	ACC0	5	May	16:25	59.805	-149.435	280	276	1st inner SL survey
165	CTD	73	ACC	GAK1i	5	May	17:01	59.667	-149.397	262	261	1st inner SL survey
166	CTD	74	ACC	ACC1	5	May	17:36	59.729	-149.362	242	240	1st inner SL survey
167	CTD	75	ACC	GAK2	5	May	18:05	59.692	-149.327	230	228	1st inner SL survey
168	CTD	76	ACC	ACC2	5	May	18:35	59.659	-149.293	218	214	1st inner SL survey
169	CTD	77	ACC	GAK2i	5	May	19:00	59.627	-149.258	213	211	1st inner SL survey
170	CTD	78	ACC	GAK1i	5	May	23:30	59.667	-149.397	262	101	
171	Quad		ACC	GAK1i	5	May	23:45	59.667	-149.397	262	100	
172	MOCNESS		ACC	GAK1i	6	May	0:01	59.667	-149.397	262	105	
173	Ring Net		ACC	GAK1i	6	May	7:15	59.667	-149.397	262	175	
174	Ring Net		ACC	GAK1i	6	May	7:30	59.667	-149.397	262	175	
175	Ring Net		ACC	GAK1i	6	May	8:00	59.667	-149.397	262	100	
176	CTD	79	ACC	GAK1i	6	May	8:20	59.667	-149.397	262	75	3m water for fsw

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177	CTD	80	ACC	GAK1i	6	May	9:05	59.667	-149.397	262	50	3m water for exp10
178	CTD	81	ACC	GAK1i	6	May	12:00	59.667	-149.397	262		
179	Ring Net		ACC	GAK1i	6	May	13:00	59.667	-149.397	262		100m
180	CTD	82	ACC	GAK4	6	May	15:45	59.408	-149.048	200	196	2nd inner SL survey
181	CTD	83	ACC	GAK3i	6	May	16:30	59.482	-149.118	205	204	2nd inner SL survey
182	CTD	84	ACC	GAK3	6	May	17:15	59.553	-149.188	214	209	2nd inner SL survey
183	CTD	85	ACC	GAK2i	6	May	18:08	59.627	-149.258	213	211	2nd inner SL survey
184	CTD	86	ACC	ACC2	6	May	18:20	59.659	-149.293	218	215	2nd inner SL survey
185	CTD	87	ACC	GAK2	6	May	19:13	59.692	-149.327	230	224	2nd inner SL survey
186	CTD	88	ACC	ACC1	6	May	19:47	59.729	-149.362	242	240	2nd inner SL survey
187	CTD	89	ACC	GAK1i	6	May	20:24	59.667	-149.397	262	258	2nd inner SL survey
188	CTD	90	ACC	ACC0	6	May	21:00	59.805	-149.435	280	277	2nd inner SL survey
189	CTD	91	ACC	GAK1	6	May	21:30	59.845	-149.467	270	268	
190	Ring Net		ACC	GAK1i	6	May	23:00	59.667	-149.397	262	100	
191	CTD	92	ACC	GAK1i	6	May	23:40	59.667	-149.397	262	100	
192	Quad		ACC	GAK1i	6	May	23:50	59.667	-149.397	262	100	
193	MOCNESS		ACC	GAK1i	7	May	0:08	59.667	-149.397	262	100	
194	Ring Net		ACC	GAK1i	7	May	7:15	59.667	-149.397	262	175	
195	Ring Net		ACC	GAK1i	7	May	7:35	59.667	-149.397	262	175	
196	CTD	93	ACC	GAK1i	7	May	12:00	59.667	-149.397	262	255	
197	Ring Net		ACC	GAK1i	7	May	12:30	59.667	-149.397	262	50	
198	Ring Net		ACC	GAK1i	7	May	13:00	59.667	-149.397	262	175	
199	Ring Net		ACC	GAK1i	7	May	13:30	59.667	-149.397	262	175	
200	CTD	94	ACC	GAK1i	7	May	14:00	59.667	-149.397	262	100	fsw for exp11
201	CTD	95	ACC	GAK1i	7	May	15:00	59.667	-149.397	262	50	for exp11
202	CTD	96	ACC	GAK1i	7	May	16:50	59.667	-149.397	262	206	3rd inner SL survey
203	CTD	97	ACC	GAK3	7	May	17:54	59.553	-149.188	214	210	3rd inner SL survey
204	CTD	98	ACC	GAK1i	7	May	18:28	59.667	-149.397	262	218	3rd inner SL survey
205	CTD	99	ACC	ACC2	7	May	18:55	59.659	-149.293	218	221	3rd inner SL survey
206	CTD	100	ACC	GAK2	7	May	19:28	59.692	-149.327	230	235	3rd inner SL survey
207	CTD	101	ACC	ACC1	7	May	20:04	59.729	-149.362	242	255	3rd inner SL survey
208	CTD	102	ACC	GAK1i	7	May	20:40	59.667	-149.397	262	269	3rd inner SL survey
209	CTD	103	ACC	ACC0	7	May	21:12	59.805	-149.435	280	269	3rd inner SL survey
210	Ring Net		ACC	GAK1	7	May	22:25	59.845	-149.467	270	100	Napp sample
211	CTD	104	ACC	GAK1i	7	May	23:20	59.667	-149.397	262	105	profile only
212	Calvet		ACC	GAK1i	7	May	23:42	59.667	-149.397	262	100	
213	MOCNESS		ACC	GAK1i	7	May	23:55	59.667	-149.397	262	100	
214	Ring Net		ACC	GAK1i	8	May	7:00	59.667	-149.397	262	175	
215	Ring Net		ACC	GAK1i	8	May	7:30	59.667	-149.397	262	175	
216	Ring Net		ACC	GAK1i	8	May	7:50	59.667	-149.397	262	50	
217	CTD	105	ACC	GAK1i	8	May	8:00	59.667	-149.397	262	75	for fsw exp 12
218	CTD	106	ACC	GAK1i	8	May	9:00	59.667	-149.397	262	75	3m water for exp 12
219	CTD	107	ACC	GAK1i	8	May	12:00	59.667	-149.397	262	250	
220	CTD	108	inner GAK	GAK6	8	May	16:45	59.117	-148.770	160		GAK6-2 Midshelf survey
221	Ring Net			GAK6	8	May	16:55	59.117	-148.770	160		GAK6-2 Midshelf survey

Event	Activity	CTD #	Region	Station	Local Date		Time Local	Latitude	Longitude	Depth (m)		comments
					day	month				bottom	event max	
222	Calvet			GAK6	8	May	17:10	59.117	-148.770	160		GAK6-2 Midshelf survey
223	CTD	109	mid GAK	GAK5	8	May	18:50	59.262	-148.908	170	165	GAK6-2 Midshelf survey
224	Ring Net		MS	GAK5	8	May	19:09	59.262	-148.908	170	50	GAK6-2 Midshelf survey
225	Calvet		MS	GAK5	8	May	19:15	59.262	-148.908	170	100	GAK6-2 Midshelf survey
226	CTD	110	MS	GAK4	8	May	20:45	59.408	-149.048	200	196	GAK6-2 Midshelf survey
227	Calvet		MS	GAK4	8	May	21:00	59.408	-149.048	200	100	GAK6-2 Midshelf survey
228	CTD	111	MS	GAK3	8	May	22:15	59.553	-149.188	214	205	GAK6-2 Midshelf survey
229	Ring Net		MS	GAK3	8	May	22:45	59.553	-149.188	214	100	GAK6-2 Midshelf survey
230	Calvet		MS	GAK3	8	May	22:50	59.553	-149.188	214	100	GAK6-2 Midshelf survey
231	CTD	112	MS	GAK2	8	May	23:55	59.692	-149.327	230	221	End GAK6-2 Midshelf survey
232	Calvet		MS	GAK2	9	May	0:15	59.692	-149.327	230	100	
233	MOCNESS		MS	GAK2	9	May	0:32	59.692	-149.327	230	100	
234	Ring Net		MS	GAK3	9	May	7:15	59.553	-149.188	214	175	
235	Ring Net		MS	GAK3	9	May	7:40	59.553	-149.188	214	50	
236	CTD	113	MS	GAK3	9	May	12:05	59.553	-149.188	214	200	noon cast
237	Ring Net		MS	GAK3	9	May	12:20	59.553	-149.188	214	75	
238	CTD	114	MS	GAK3	9	May	13:35	59.553	-149.188	214	50	Grazing 13 fsw and Dagg lab
239	CTD	115	MS	GAK3	9	May	14:20	59.553	-149.188	214	50	Grazing 13 Strom and Napp
240	CTD	116	MS	PR1	10	May	23:35	59.250	-149.502	137	132	
241	Quad		MS	PR1	10	May	23:50	59.250	-149.502	137	100	
242	MOCNESS		MS	PR1	11	May	0:08	59.250	-149.502	137	100	
243	Ring Net		MS	PR1	11	May	7:15	59.250	-149.502	137	50	grazing 14
244	Ring Net		MS	PR1	11	May	7:30	59.250	-149.502	137		
245	CTD	117	MS	PR1	11	May	8:05	59.250	-149.502	137	50	for exp 14 fsw 2.5m
246	Ring Net		MS	PR1	11	May	8:15	59.250	-149.502	137	130	aborted
247	Ring Net		MS	PR1	11	May	8:32	59.250	-149.502	137	50	aborted
248	Ring Net		MS	PR1	11	May	8:45	59.250	-149.502	137		recast
249	CTD	118	MS	PR1	11	May	9:50	59.250	-149.502	137	50	10L for exp water
250	CTD	119	MS	PR1	11	May	12:05	59.250	-149.502	137	135	
251	Ring Net		MS	PR1	11	May	13:12	59.250	-149.502	137	130	Pr survey
252	deploy drifter		MS	PR1	11	May	13:26	59.250	-149.502	137	40	Pr survey
253	CTD	120	MS	PR2	11	May	14:45	59.206	-149.885	160	155	Pr survey
254	Ring Net		MS	PR2	11	May	15:00	59.206	-149.885	160	50	Pr survey
255	Quad (x2?)		MS	PR2	11	May	15:07	59.206	-149.885	160	158	Pr survey
256	CTD	121	MS	PR3	11	May	16:45	59.139	-150.245	165	160	Pr survey
257	Ring Net		MS	PR3	11	May	16:59	59.139	-150.245	165		Pr survey
258	Quad		MS	PR3	11	May	17:15	59.139	-150.245	165		Pr survey
259	CTD	122	MS	PR4	11	May	18:35	59.958	-150.419	116	115	Pr survey
260	Ring Net		MS	PR4	11	May	18:50	59.958	-150.419	116		Pr survey
261	Quad		MS	PR4	11	May	17:00	59.958	-150.419	116	117	Pr survey
262	CTD	123	MS	PR5	11	May	20:30	58.760	-150.218	159	155	Pr survey
263	Ring Net		MS	PR5	11	May	20:50	58.760	-150.218	159	50	Pr survey
264	Quad		MS	PR5	11	May	21:05	58.760	-150.218	159	155	Pr survey
265	CTD	124	MS	PR6	11	May	22:50	58.598	-149.823	135	130	Pr survey
266	Quad		MS	PR6	11	May	23:35	58.598	-149.823	135	100	

Event	Activity	CTD #	Region	Station	Local Date		Time Local	Latitude	Longitude	Depth (m)		comments
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267	MOCNESS		MS	PR6	11	May	23:59	58.598	-149.823	135	100	
268	CTD	125	MS	XAT1	12	May	1:30	58.661	-149.716	146	140	XAT transect
269	CTD	126	MS	XAT2	12	May	2:10	58.726	-149.617	183	1800	XAT transect
270	CTD	127	MS	XAT3	12	May	2:58	58.791	-149.515	204	200	XAT transect
271	CTD	128	MS	XAT4	12	May	3:45	58.858	-149.410	220	218	XAT transect
272	CTD	129	MS	XAT5	12	May	4:40	58.919	-149.304	237	233	XAT transect
273	CTD	130	MS	XAT6	12	May	5:20	58.982	-149.199	220	218	XAT transect
274	CTD	131	MS	XAT7	12	May	6:05	59.047	-149.104	160	156	XAT transect
275	CTD	132	MS	XAT8	12	May	6:45	59.106	-148.993	150		End XAT transect
276	Ring Net		MS	PR6	12	May	11:10	58.598	-149.823	135	130	
277	CTD	133	MS	PR6	12	May	12:05	58.598	-149.823	135	130	
278	Ring Net		MS	PR6	12	May	13:00	58.598	-149.823	135	100	
279	Ring Net		MS	PR6	12	May	13:20	58.598	-149.823	135	125	
280	CTD	134	MS	PR6	12	May	14:00	58.598	-149.823	135	130	
281	CTD	135	MS	PR6	12	May	15:15	58.598	-149.823	135	50	
282	Ring Net		MS	PR6	12	May	18:25	58.598	-149.823	135	130	
283*	CTD	136	MS	GAK6	13	May	0:05	59.117	-148.770	160	155	GAK survey (GAK6-GAK9)
283*	CTD	137	MS	GAK6i	13	May	0:55	59.045	-148.700	192	185	GAK survey (GAK6-GAK9)
283*	CTD	138	MS	GAK7	13	May	1:40	58.972	-148.630	244	240	GAK survey (GAK6-GAK9)
284	CTD	139	OS	GAK7i	13	May	2:30	58.882	-148.560	300	298	GAK survey (GAK6-GAK9)
285	CTD	140	OS	GAK8	13	May	3:25	58.792	-148.490	390		End GAK survey (GAK6-GAK9)
286	Ring Net		OS	GAK7i	13	May	7:10	58.882	-148.560	300	170	
287	Ring Net		OS	GAK7i	13	May	7:25	58.882	-148.560	300	50	
288	CTD	141	OS	GAK7i	13	May	8:00	58.882	-148.560	300	100	
289	CTD	142	OS	GAK8	13	May	8:54	58.792	-148.490	390	80	
290	Ring Net		OS	GAK8	13	May	9:15	58.792	-148.490	390	175	
291	CTD	143	OS	GAK8	13	May	10:05	58.792	-148.490	390	50	water for exps 16
292	CTD	144	OS	GAK8	13	May	12:09	58.792	-148.490	390	290	Survey OS2/noon profile
293	CTD	145	OS	GAK8	13	May	12:20	58.792	-148.490	390	290	recast of noon profile (forgot to trigger bottle)
294	CTD	146	OS	GAK8N	13	May	13:40	58.825	-148.517	296	290	Survey OS2
295	CTD	147	OS	GAK7iS	13	May	14:10	58.853	-148.539	296		Survey OS2
296	CTD	148	OS	GAK7i	13	May	14:50	58.882	-148.560	300	295	Survey OS2
297	CTD	149	OS	GAK7iN	13	May	15:30	58.908	-148.582	260	249	Survey OS2
298	CTD	150	OS	GAK7S	13	May	16:05	58.943	-148.609	253	252	Survey OS2
299	CTD	151	OS	GAK7	13	May	16:34	58.972	-148.630	244	240	Survey OS2
300	Ring Net (?)		OS	GAK7	13	May	16:45	58.972	-148.630	244	50	
301	CTD	152	OS	GAK7	13	May	17:04	58.972	-148.630	244		start 30 min time series
302	CTD	153	OS	GAK7	13	May	17:34	58.972	-148.630	244	237	end time series
303	CTD	154	OS	GAK7	13	May	18:00	58.972	-148.630	244	100	Survey OS3
304	CTD	155	OS	GAK7S	13	May	18:30	58.943	-148.609	253	100	Survey OS3
305	CTD	156	OS	GAK7iN	13	May	18:55	58.908	-148.582	260	125	
306	CTD	157	OS	GAK7i	13	May	19:18	58.882	-148.560	300	120	
307	CTD	158	OS	GAK8	13	May	23:30	58.792	-148.490	390	288	
308	Quad		OS	GAK8	13	May	23:50	58.792	-148.490	390	100	
309	MOCNESS		OS	GAK8	13	May	0:11	58.792	-148.490	390	100	

Event	Activity	CTD #	Region	Station	Local Date		Time Local	Latitude	Longitude	Depth (m)		comments
					day	month				bottom	event max	
310	CTD	159	OS	GAK8N	14	May	1:00	58.825	-148.517	296	100	OS4 survey
311	CTD	160	OS	GAK7iS	14	May	1:22	58.853	-148.539	296	100	OS4 survey
312	CTD	161	OS	GAK7i	14	May	1:15	58.882	-148.560	300	100	OS4 survey
313	CTD	162	OS	GAK7iN	14	May	2:10	58.908	-148.582	260	100	OS4 survey
314	CTD	163	OS	GAK7S	14	May	2:35	58.943	-148.609	253	100	OS4 survey
315	CTD	164	OS	GAK7	14	May	2:58	58.972	-148.630	244	100	OS4 survey
316	CTD	165	OS	GAK7N	14	May	3:20	59.000	-148.657	240	100	end OS4 survey
317	CTD	166	MS	GAK6	14	May	6:05	59.117	-148.770	160	144	fsw for exp 17
318	Calvet		MS	GAK6	14	May	6:31	59.117	-148.770	160	145	
319	MOCNESS		MS	GAK6	14	May	7:00	59.117	-148.770	160	140	
320	CTD	167	MS	GAK6	14	May	8:00	59.117	-148.770	160	145	exp 17 water 2.5m
321	Ring Net		MS	GAK6	14	May	8:35	59.117	-148.770	160		
322	CTD	168	MS	GAK6	14	May	12:05	59.117	-148.770	160		
323	Calvet		MS	GAK6	14	May	12:25	59.117	-148.770	160	147	
324	MOCNESS		MS	GAK6	14	May	12:52	59.117	-148.770	160	142	
325	Ring Net		MS	GAK6	14	May	15:00	59.117	-148.770	160	75	
326	CTD	169	MS	GAK6	14	May	18:00	59.117	-148.770	160	146	
327	Calvet		MS	GAK6	14	May	18:15	59.117	-148.770	160	145	
328	MOCNESS		MS	GAK6	14	May	18:50	59.117	-148.770	160	140	
329	CTD	170	MS	GAK6	15	May	0:00	59.117	-148.770	160	147	
330	Calvet		MS	GAK6	15	May	0:16	59.117	-148.770	160	145	
331	MOCNESS		MS	GAK6	15	May	0:45	59.117	-148.770	160	150	
332	Ring Net		MS	GAK6	15	May	8:00	59.117	-148.770	160	50	
333	CTD	171	MS	GAK5	15	May	8:20	59.262	-148.908	170		
334	Ring Net		IS	GAK3	15	May	10:30	59.553	-149.188	214	50	
335	CTD	172	IS	GAK3	15	May	10:40	59.553	-149.188	214	210	
336	Ring Net		ACC	GAK1	15	May	13:00	59.845	-149.467	270	50	
337	CTD	173	ACC	GAK1	15	May	13:15	59.845	-149.467	270	269	