

## FK180310 – Leg One EVENT LOG (ALL TIMES: HST)

**TYPE CODE:** ST=Sediment Trap, Array SW = N2 fixation (Sam W, Rosie G) and N (Tristy), CTD =CTD, SVP drifter, HYP=Hyperpro, OPT=Optics, TM Niskin =Trace metal Niskin (Nick H), Niskin = Starboard 5 L Niskin (Ana C), WW = WireWalker

Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
1	3/10/18	1704	1720	21°21.000	158°19.800	AUV#1	Ahi		Launch & Recover Ahi
2	3/10/18	1842	1841	21°21.000	158°19.800	AUV#2	Opah		Deploy
3	3/10/18	1852	1853	21°21.000	158°19.800	AUV#3	Aku		Deploy
4	3/11/18	0846	0848	21°21.000	158°19.800	WG	Mola		Deploy
5	3/11/18	1513	1638	21°21.153	158°17.498	CTD	#1	1000	
6	3/11/18	1815	1822	21°21.981	158°20.182	WG	Mola		Recover
7	3/12/18	0850	0909	21°19.927	158°18.009	LARS			Testing launch/recovery system
8	3/12/18	1035	1053	21°20.700	158°20.400	AUV	Aku		Recover
9	3/12/18	1358	1357	21°20.580	158°19.920	AUV	Opah		Recover
10	3/13/18	0600	0715	21°01.942	156°02.156	U'wayCTD			Testing
11	3/13/18	0714	1926	21°01.431	156°20.335	U'wayCTD			Transect Profiles
12	3/13/18	2010	2011	21°50.155	156°08.606	SVP drifter	#1		Shallow drifter deploy
13	3/13/18	2032	2103	22°49.824	156°08.004	CTD	#2	400	
14	3/13-3/14	2143	0512	21°01.431	156°20.335	U'wayCTD			Transect Profiles
15	3/14/18	0537	0633	22°43.199	156°14.411	CTD	#3	400	
16	3/14/18	0647	0655	22°43.068	156°16.447	AUV	Opah		Deploy
17	3/14/18	1835	1843	21°57.172	155°06.096	AUV	Aku		Deploy
18	3/14/18	1925	1936	21°56.970	155°05.649	SG148	148		Deploy
19	3/14/18	1945	2025	21°56.787	155°05.457	CTD	#4	400	
20	3/15/18	0118	0123	22°28.822	155°23.988	SG626	626		Deploy

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
21	3/15/18	0145	0226	21°51.561	156°01.653	CTD	#5	400	
22	3/15/18	1103	1115	21°52.199	156°52.199	WW	#3		Deploy
23	3/15/18	1136	1136	21°52.59	156°02.750	SVP Drifter	#2		Deep drifter deploy
24	3/15/18	1247	1356	21°51.489	156°02.216	Float	#1		Apex float launch
25	3/15/18	1306	1350	21°51.346	156°01.779	CTD	#6	400	
26	3/15/18	1930	1932	21°52.884	156°05.306	WG	Mola		Deploy
27	3/16/18	0620	1653	21°51.596	156°02.228	CTD	#7	400	
28	3/16/18	0620	1653	21°51.596	156°02.228	CTD	#8	400	
29	3/16/18	1326	1359	21°53.363	156°00.372	HYPERP	#1		
30	3/16/18	1503	1541	21°54.739	155°59.665	CTD	#9	400	
31	3/16/18	1822	1850	21°54.739	155°59.665	CTD	#10	400	
32	3/16/18	0603	0635	21°54.739	155°59.665	CTD	#11	400	
33	3/17/18	1159	1244	21°54.739	155°59.665	CTD	#12	400	
34	3/17/18	1314	1349	21°56.172	156°00.608	HYPERP	#2		
35	3/17/18	1503	1541	21°54.739	155°59.665	CTD	#13	400	
36	3/18/18	1503	1541	21°54.739	155°59.665	CTD	#14	400	Recovered
37	3/18/18	1503	1541	21°54.739	155°59.665	SED TRAP	#1		
38	3/18/18	1503	1541	21°54.739	155°59.665	CTD	#15	400	
39	3/18/18	1303	1339	22°22.123	156°45.857	HYPERP	#3		
40	3/18/18	1458	1618	22°21.633	156°45.278	CTD	#16	400	

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
41	3/19/18	0604	0638	22°05.319	156°09.908	CTD	#17	400	
42	3/19/18	1200	1254	22°04.477	156°10.605	CTD	#18	400	
43	3/19/18	1307	1357	22°04.536	156°10.653	HYPERP	#4		
44	3/19/18	1503	1630	22°03.749	156°09.762	CTD	#19	1000	
45	3/19/18	1820	1905	22°07.092	156°05.124	FLOAT	#1		Recovery
46	3/19/18	1905	1940	22°04.222	156°09.982	CTD	#20	400	
47	3/20/18	0607	0640	22°05.811	156°12.194	CTD	#21	400	
48	3/20/18	1200	1243	22°04.556	156°13.961	CTD	#22	400	
49	3/20/18	1312	1348	22°03.860	156°13.560	HYPERP	#5		
50	3/20/18	1759	1849	22°04.970	156°12.103	CTD	#23	400	
51	3/21/18	2346	0105	22°04.079	156°34.568	SED TRAP	#2		Deploy
52	3/21/18	0601	0646	22°06.969	156°12.810	CTD	#24	400	
53	3/21/18	1157	1244	22°10.468	156°15.830	CTD	#25	400	
54	3/21/18	1302	1338	22°11.751	156°16.001	HYPERP	#6		
55	3/21/18	1510	1601	22°11.032	156°17.069	CTD	#26	400	
56	3/21/18	1800	1843	22°09.729	156°18.949	CTD	#27	400	
57	3/22/18	1252	1340	22°42.931	156°36.719	OPAH			Recovery
58	3/22/18	1422	1440	22°43.073	156°36.137	AKU			Recovery

Leg One returns to Honolulu Port. The event Log for Leg Two follows consecutively on from LegOne

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
59	3/27/18	1834	1853	22°05.192	156°21.336	AUV Opah			Deploy
60	3/27/18	1854	1901	22°05.142	156°21.288	AUV Ahi			Deploy
61	3/27/18	1926	2026	22°05.494	156°20.182	CTD	#28	400	
62	3/27/18	2052	2110	22°05.434	156°19.929	TM Niskin	#1		
63	3/27/18	2130	2230	22°05.452	156°19.339	OPTICS	#1		
64	3/28/18	0259	0346	22°06.341	156°21.336	CTD	#29	400	
65	3/28/18	0548	0603	22°08.487	156°20.215	ARRAY	#KB1		Deploy
66	3/28/18	0614	0659	22°08.315	156°19.975	CTD	#30	400	
67	3/28/18	0808	0908	22°05.676	156°18.451	WW	#1		
68	3/28/18	1202	1242	22°09.413	156°20.815	CTD	#31	400	
69	3/28/18	1302	1343	22°09.431	156°20.335	HYPERP	#7		
70	3/28/18	1502	1550	22°10.871	156°21.534	WW	#2		
71	3/28/18	1802	1843	22°12.560	156°21.128	CTD	#32	400	
72	3/28/18	1900	1912	22°12.451	156°21.078	ARRAY	#KB1		Recover
73	3/28/18	1912	1930	22°12.376	156°20.983	ARRAY	#KB2		Deploy
74	3/28/18	2209	2350	22°12.587	156°23.613	OPTICS	#2		
75	3/29/18	0022	0301	22°12.654	156°23.166	CTD	#33	400	
76	3/29/18	0418	0440	22°12.452	156°23.631	ARRAY	#KB2		Recover
77	3/29/18	0543	0611	22°12.422	156°23.110	ARRAY	#SW1		Deploy
78	3/29/18	0621	0705	22°12.445	156°22.855	CTD	#34	400	

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
79	3/29/18	1018	1038	22°20.252	156°30.534	TM Niskin	#2		
80	3/29/18	1027	1044	22°20.252	156°30.567	TM Niskin	#3		
81	3/29/18	1158	1237	22°20.990	156°31.557	CTD	#35	400	
82	3/29/18	1247	1337	22°20.986	156°31.343	HYPERP	#8		
83	3/29/18	1459	1542	22°21.189	156°32.357	CTD	#36	400	
84	3/29/18	1802	1842	22°21.974	156°34.242	CTD	#37	400	
85	3/29/18	1907	1942	22°21.818	156°35.244	TM Niskin	#4		
86	3/29/18	1913	1952	22°21.795	156°35.350	TM Niskin	#5		
87	3/29/18	2026	2028	22°20.984	156°36.625	Niskin	#1		
88	3/29/18	2102	2128	22°20.819	156°36.337	CTD	#38	100	
89	3/29/18	2259	0012	22°18.144	156°32.582	OPTICS	#3		
90	3/30/18	0050	0055	22°18.278	156°32.478	CTD	#39	400	
91	3/30/18	0216	0304	22°18.796	156°40.931	CTD	#40	400	
92	3/30/18	0340	0341	22°18.762	156°40.833	ARRAY NH	#1		Deploy
93	3/30/18	0423	0445	22°19.363	156°35.697	ARRAY PP	#1		Deploy
94	3/30/18	0524	0622	22°21.156	156°32.386	ARRAY SW	#SW1		Recovered
95	3/30/18	0631	0717	22°21.273	156°32.861	CTD	#41	400	
96	3/30/18	1200	1241	22°22.702	156°32.965	CTD	#42	400	
97	3/30/18	1303	1339	22°22.123	156°45.857	HYPERP	#9		
98	3/30/18	1458	1618	22°21.633	156°45.278	CTD	#43	1000	

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
99	3/30/18	1700	1755	22°21.612	156°45.250	TM Niskin	#6		
100	3/30/18	1856	1913	22°20.361	156°41.264	ARRAY PP	#1		Recovered
101	3/31/18	0941	0942	22°20.731	156°54.890	Niskin	#1		
102	3/31/18	1152	1240	22°20.415	156°54.374	CTD	#44	400	
103	3/31/18	1459	1531	22°20.145	156°54.133	CTD	#45	400	
104	3/31/18	1758	1843	22°19.324	156°45.245	CTD	#46	400	
105	3/31/18	2003	2006	22°19.933	156°45.110	Niskin	#2		
106	3/31/18	2103	2130	22°19.422	156°45.077	CTD	#47	400	
107	3/31/18	2158	2328	22°18.617	156°45.756	OPTICS	#4		
108	4/01/18	0002	0050	22°18.209	156°45.002	CTD	#48	400	
109	4/01/18	0203	0250	22°17.640	156°45.157	CTD	#49	400	
110	4/01/18	0439	0453	22°17.307	156°45.094	CTD	#50	400	
111	4/01/18	0538	0621	22°16.767	156°45.235	ARRAY KB	KB#3		
112	4/01/18	0638	0727	22°15.497	156°45.395	ARRAY SW	SW#2		
113	4/01/18	1010	1050	22°17.981	156°45.922	TM Niskin	#7		
114	4/01/18	1158	1241	22°17.719	156°45.600	HYPERP	#10		
115	4/01/18	1304	1334	22°17.594	156°45.520	CTD	#51	400	
116	4/01/18	1459	1536	22°16.790	157°01.335	CTD	#52	400	
117	4/01/18	1600	1641	22°16.993	157°01.432	TM Niskin	#8		
118	4/01/18	1824	1911	22°15.950	157°00.586	Small boat			Visit the LRAUV

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
119	4/01/18	2011	2019	22°14.399	157°00.261	ARRAY KB	KB#3		Recover
120	4/01/18	2023	2024	22°14.366	157°00.306	Niskin	#3		
121	4/01/18	2036	2050	22°14.118	157°00.411	ARRAY KB	KB#4		Deploy
122	4/01/18	2139	2216	22°16.965	157°01.655	CTD	#53	400	
123	4/01/18	2225	2352	22°17.371	157°01.066	OPTICS	#5		
124	4/02/18	0002	0031	22°15.615	157°03.793	CTD	#54	400	
125	4/02/18	0206	0304	22°15.520	157°03.892	CTD	#55	400	
126	4/02/18	0436	0450	22°12.682	157°00.650	ARRAY KB	KB#4		Recover
127	4/02/18	0528	0604	22°12.767	156°59.180	ARRAY SW	SW#2		Recover
128	4/02/18	0630	0649	22°12.203	156°58.552	PP ARRAY	PP#2		Deploy
129	4/02/18	0655	0745	22°15.800	157°05.311	CTD	#56	400	
130	4/02/18	1000	1027	22°18.189	157°05.345	CTD	#57	155	
131	4/02/18	1156	1232	22°15.354	157°05.800	CTD	#58	400	
132	4/02/18	1304	1339	22°14.269	157°01.531	HYPERP	#11		
133	4/02/18	1517	1536	22°07.879	156°56.279	CTD	#59	400	
134	4/02/18	1606	1627	22°03.630	156°49.371	TM Niskin	#9		
135	4/02/18	1712	1714	22°03.377	156°49.986	Niskin	#4		
136	4/02/18	1808	1844	22°03.356	156°50.861	CTD	#60	400	
137	4/02/18	1857	1815	22°09.924	156°51.668	PP ARRAY	PP#2		Recover
138	4/02/18	2032	2049	22°03.523	156°49.471	ARRAY NH	PP#1		Recover

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139	4/02/18	2049	2101	22°03.460	156°49.527	ARRAY NH	NH#2		Deploy
140	4/02/18	2203	2332	22°02.808	156°51.728	OPTICS	#6		
141	4/02/18	0159	0241	22°10.131	157°02.039	CTD	#61	400	
142	4/03/18	0509	0524	22°11.239	157°03.375	ARRAY KB	KB#5		Deploy
143	4/03/18	0531	0625	22°11.373	157°03.987	CTD	#62	400	
144	4/03/18	0918	0933	22°11.540	156°44.836	LRAUV	Aku		Recover
145	4/03/18	1010	1031	22°11.544	156°46.496	LRAUV	Opah		Recover
146	4/03/18	1105	1113	22°12.547	156°46.339	WaveGlider			Recover
147	4/03/18	1212	1247	22°11.855	156°40.547	CTD	#63	400	
148	4/03/18	1304	1333	22°11.507	156°40.604	HYPERP	#12		
149	4/03/18	1418	1453	22°13.462	156°40.838	Sed Trap	Center		Recover
150	4/03/18	1719	1736	22°08.093	157°04.388	TM Niskin	#10		
151	4/03/18	1744	1745	22°08.000	157°04.424	Niskin	#5		
152	4/03/18	1748	1749	22°07.987	157°04.451	CTD	#64	400	
153	4/03/18	1853	1912	22°07.098	157°04.643	ARRAY KB	KB#5		Recover
154	4/03/18	1917	1942	22°07.098	157°04.643	ARRAY KB	KB#6		Deploy
155	4/04/18	2208	2348	22°07.417	157°03.884	OPTICS	#7		
156	4/04/18	0155	0249	22°05.855	157°02.065	CTD	#65	400	
157	4/04/18	0428	0441	22°05.355	157°03.104	ARRAY KB	KB#6		Recover
158	4/04/18	0507	0537	22°04.915	157°03.288	ARRAY SW	SW#3		Deploy
159	4/04/18	0602	1030	22°05.045	157°02.045	CTD	#66	1000	
160	4/04/18	0808	0907	22°09.775	156°58.161	PUMP			DIAPHRAGM PUMP



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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
161	4/04/18	0902	0907	22°09.775	156°58.161	Niskin	#6		
162	4/04/18	1120	1140	22°07.497	156°56.262	WW	WW#2		Recover
163	4/04/18	1200	1246	22°07.474	156°56.268	CTD	#67	400	
164	4/04/18	1258	1327	22°05.842	156°56.931	HYPERP	#13		
165	4/04/18	1412	1441	22°03.680	156°58.465	CTD	#68	200	
166	4/04/18	1510	1618	22°01.249	157°00.767	CTD	#69	1000	
167	4/04/18	1701	1718	21°59.012	156°59.325	Drifter	Deep		Recover
168	4/04/18	2043	2103	22°03.210	156°30.752	ARRAY NH	#2		Recover
169	4/04/18	2202	2341	22°02.517	156°34.619	OPTICS	#8		
170	4/05/18	0400	0418	21°50.940	156°56.262	CTD	#70	400	
171	4/05/18	0524	0550	21°58.916	156°55.353	ARRAY SW	SW#3		Recover
172	4/05/18	1132	1218	22°21.732	157°43.609	SED TRAP	#2		Recover
173	4/05/18	1226	1309	22°21.320	157°43.694	CTD	#71	400	
174	4/05/18	1801	1851	22°50.016	158°22.610	CTD	#72	400	
175	4/06/18	0520	0525	23°45.318	159°31.221	LRAUV	OPAH		Deploy
176	4/06/18	0556	0643	23°47.061	159°33.693	CTD	#73	400	
177	4/06/18	1334	1404	24°29.992	160°29.922	HYPERP	#14		
178	4/06/18	1500	1546	24°30.912	160°30.699	CTD	#74	400	
179	4/06/18	1610	1638	24°30.915	160°30.964	TM Niskin	#11		
180	4/06/18	1801	1847	24°30.629	160°33.102	CTD	#75	400	
181	4/06/18	2155	2304	24°35.992	160°50.179	OPTICS	#9		
182	4/07/18	0203	0255	24°37.006	160°51.708	CTD	#76	400	

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
183	4/07/18	0505	0527	24°34.394	160°51.627	ARRAY SW	#4		Deploy
184	4/07/18	0556	0645	24°35.248	160°52.597	CTD	#77	400	
185	4/07/18	0715	0737	24°35.320	160°52.887	TM Niskin	#12		
186	4/07/18	1008	1011	24°35.009	160°51.847	TM Niskin	#13		
187	4/07/18	1158	1242	24°35.395	160°52.370	CTD	#78	400	
188	4/07/18	1302	1333	24°35.598	160°52.147	HYPERP	#15		
189	4/07/18	1502	15229	24°36.614	160°52.747	TM Niskin	#14		
190	4/07/18	1602	1652	24°34.488	160°52.374	CTD	#79	400	
191	4/07/18	1813	1856	24°35.281	160°53.254	CTD	#80	400	
192	4/07/18	1908	1929	24°35.379	160°53.000	TM Niskin	#15		
193	4/07/18	2201	2349	24°35.329	160°50.128	OPTICS	#10		
194	4/08/18	0200	0252	24°32.388	160°46.453	CTD	#81	400	
195	4/08/18	0422	0445	24°31.086	160°46.121	ARRAY SW	#4		Recover
196	4/08/18	0520	0540	24°31.303	160°46.103	ARRAY PP	#3		Deploy
197	4/08/18	0603	0651	24°32.040	160°46.693	CTD	#82	400	
198	4/08/18	0757	0836	24°32.038	160°47.396	CTD	#83	400	
199	4/08/18	1036	1101	24°31.519	160°48.835	OPAH			Recover
200	4/08/18	1158	1245	24°33.817	160°50.832	CTD	#84	400	
201	4/08/18	1300	1330	24°34.035	160°50.988	HYPERP	#16		
202	4/08/18	1500	1608	24°28.369	160°47.898	CTD	#85	1000	
203	4/08/18	1800	1843	24°26.560	160°45.749	CTD	#86	400	
204	4/08/18	1910	1931	24°27.719	160°45.789	ARRAY PP	#3		Recover

