

MESO-SCOPE

KM1709

EVENT LOG (ALL TIMES: HST)

Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth (m)	Comments
1	6/26/2017	10:45	11:20	21°11.384 N	157°44.498 W	CTD	1	100	
2	6/26/2017	16:47	17:01	22°04.592 N	157°42.327 W	uCTD	1	~300	Probe 297
3	6/26/2017	18:06	18:18	22°15.0 N	157°43.500 W	uCTD	2	~300	Probe 294
4	6/26/2017	18:26	18:41	22°17.580 N	157°43.665 W	uCTD	3	~300	Probe 294
5	6/26/2017	18:53	19:01	22°17.580 N	157° 43.948 W	uCTD	4	~300	Probe 294
6	6/26/2017	19:09	19:20	22°17.580 N	157° 44.152 W	uCTD	5	~300	Probe 294
7	6/26/2017	19:27	19:38	22°17.580 N	157° 44.336 W	uCTD	6	~300	Probe 294
8	6/26/2017	19:48	20:00	22°17.580 N	157° 44.622 W	uCTD	7	~300	Probe 294
9	6/26/2017	20:05	20:14	22°17.580 N	157° 44.863 W	uCTD	8	~300	Probe 294
10	6/26/2017	20:21	20:30	22°17.580 N	157° 45.027 W	uCTD	9	~300	Probe 294
11	6/26/2017	20:35	20:46	22°17.580 N	157° 45.148 W	uCTD	10	~300	Probe 294
12	6/26/2017	20:51	21:00	22°17.580 N	157° 45.380 W	uCTD	11	~300	Probe 294
13	6/26/2017	21:06	21:16	22°17.580 N	157° 45.579 W	uCTD	12	~300	Probe 294
14	6/26/2017	21:21	21:30	22°17.580 N	157° 45.749 W	uCTD	13	~300	Probe 294
15	6/26/2017	21:36	21:44	22°17.580 N	157° 45.949 W	uCTD	14	~300	Probe 294
16	6/26/2017	21:50	21:57	22°17.580 N	157° 46.161 W	uCTD	15	~300	Probe 294
17	6/26/2017	22:06	22:13	22°17.580 N	157° 46.363 W	uCTD	16	~300	Probe 294 Deployed on reload 30s late
18	6/26/2017	22:17	22:25	22°17.580 N	157° 46.508 W	uCTD	17	~300	Probe 294
19	6/26/2017	22:35	22:43	22°17.580 N	157° 46.696 W	uCTD	18	~300	Probe 294
20	6/26/2017	22:49	22:57	22° 52.463 N	157° 46.903 W	uCTD	19	~300	Probe 294

TYPE CODE: ST=Sediment Traps (1-12), Fe-L=Fe Array 3 day, Fe-S= Fe Array 12 hour, WW= Wirewalkers, G= Glider, SVP= SVP drifters, DGR= Diazotrophy Growth Rate Array, GA=Gas Array, TM CTD= Trace Metal CTD, CTD =CTD, uCTD= Underway CTD, HP =Hyperpro, TF=Tow fish, OP= optics package, PC=Plankton Camera, PP/MP= Primary Production and Mesopelagic Array

Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
21	6/26/2017	23:04	23:11	22° 54.430 N	157 ° 47.403 W	uCTD	20	~300	
22	6/26/2016	23:19	23:26	22° 56.411 N	157 ° 47.271 W	uCTD	21	~300	
23	6/27/2017	00:22		22° 55.681 N	157 ° 45.168 W	SVP	1		Anticyclonic eddy
24	6/27/2017	00:55	01:35	22° 55.560 N	157 ° 44.854 W	CTD	S2C1	200	Sampling cancelled - bottles misfired, true depths unknown
25	6/27/2017	03:07	03:45	22° 55.520 N	157 ° 44.857 W	TMCTD	S2C1	200	Target of 150 db; damage to C and T probe during tagging. Delayed b/c line jammed in sheave. 1 hour crane ops.
26	6/27/2017	04:31	04:43	22° 58.128 N	157 ° 45.684 W	uCTD	22	~300	Probe #297
27	6/27/2017	04:49	05:00	23° 00.366 N	157 ° 46.548 W	uCTD	23	~300	7:45 time from launch to slow #297
28	6/27/2017	05:07	05:18	23° 02.604 N	157 ° 47.351 W	uCTD	24	~300	8:05 TT slow; 12:40 TT spool #297
29	6/27/2017	05:24	05:34	23° 04.811 N	157 ° 48.137 W	uCTD	25	~300	7:58 TT slow; 11:38 TT spool #297
30	6/27/2017	05:40	05:53	23° 06.800 N	157 ° 48.858 W	uCTD	26	~300	1:53 fall time; TT slow 10:33; TT spool 14:30
31	6/27/2017	06:00	06:10	23° 09.337 N	157 ° 49.783 W	uCTD	27	~300	7:35 TT slow; TT spool; 11:00 #297
32	6/27/2017	06:15	06:25	23° 11.194 N	157 ° 50.460 W	uCTD	28	~300	7:44 TT slow; 10:35 TTSP forgot to insert plug until 06:30
33	6/27/2017	06:31	06:41	23° 13.167 N	157 ° 51.137 W	uCTD	29	~300	11:30 TT spool x bad data #297
34	6/27/2017	06:47	06:57	23° 15.167 N	157 ° 51.800 W	uCTD	30	~300	7:45 TT slow; 11:16 TT spool #297
35	6/27/2017	07:03	07:12	23° 17.127 N	157 ° 52.495 W	uCTD	31	~300	7:40 TT slow; 10:25 TT spool x bad data #297
36	6/27/2017	07:17	07:28	23° 18.969 N	157 ° 53.175 W	uCTD	32	~300	6:41 TT slow; #297
37	6/27/2017	07:33	07:41	23° 20.962 N	157 ° 53.885 W	uCTD	33	~300	Probe 297
38	6/27/2017	08:00	09:45			TF	1		deployment
39	6/27/2017	10:52	11:01	23° 21.934 N	157 ° 59.270 W	uCTD	34	~300	Probe 297
40	6/27/2017	11:06	11:15	23° 22.862 N	157 ° 49.521 W	uCTD	35	~300	Probe 297 Time end was not entered, best estimate entered

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
41	6/27/2017	11:20	11:29	23° 24.299 N	157 ° 50.022 W	uCTD	36	~300	Probe 297
42	6/27/2017	12:05	12:14	23° 27.197 N	157 ° 51.439 W	uCTD	37	~300	Probe 297
43	6/27/2017	12:22	12:31	23° 29.830 N	157 ° 52.305 W	uCTD	38	~300	Probe 297
44	6/27/2017	12:39	12:49	23° 31.979 N	157 ° 53.290 W	uCTD	39	~300	Probe 297
45	6/27/2017	12:55	13:05	23° 33.963 N	157 ° 54.203 W	uCTD	40	~300	Probe 297
46	6/27/2017	13:11	13:20	23° 35.916 N	157 ° 55.138 W	uCTD	41	~300	Probe 297
47	6/27/2017	13:25	13:35	23° 37.690 N	157 ° 56.015 W	uCTD	42	~300	Probe 297
48	6/27/2017	13:42	13:51	23° 39.742 N	157 ° 57.087 W	uCTD	43	~300	Probe 297
49	6/27/2017	13:56	14:05	23° 41.355 N	157 ° 57.951 W	uCTD	44	~300	Probe 297
50	6/27/2017	14:10	14:19	23° 43.031 N	157 ° 58.839 W	uCTD	45	~300	Probe 297
51	6/27/2017	14:26	14:33	23° 44.689 N	157 ° 59.713 W	uCTD	46	~300	Probe 297
52	6/27/2017	14:39	14:50	23° 46.555 N	158 ° 00.776 W	uCTD	47	~300	Probe 297
53	6/27/2017	14:59	15:10	23° 48.795 N	158 ° 02.055 W	uCTD	48	~300	Probe 297
54	6/27/2017	15:20	15:35	23° 56.860 N	158 ° 03.795 W	uCTD	49	~300	Probe 297
55	6/27/2017	15:43	15:53	23° 54.079 N	157 ° 05.018 W	uCTD	50	~300	Probe 297
56	6/27/2017	16:40		23° 56.725 N	157 ° 05.783 W	G			Deployment
57	6/27/2017		19:45			TF			Recovery due to pump/tube failure
58	6/27/2017	20:17	20:28	24 ° 0.702 N	158 ° 00.622 W	uCTD	51	~300	Probe 297
59	6/27/2017	20:35	20:47	24 ° 03.910 N	158 ° 07.374 W	uCTD	52	~300	Probe 297
60	6/27/2017	20:54	21:05	24 ° 06.360 N	158 ° 08.426 W	uCTD	53	~300	Probe 297

TYPE CODE: ST=Sediment Traps (1-12), Fe-L=Fe Array 3 day, Fe-S= Fe Array 12 hour, WW= Wirewalkers, G= Glider, SVP= SVP drifters, DGR= Diazotrophy Growth Rate Array, GA=Gas Array, TM CTD= Trace Metal CTD, CTD =CTD, uCTD= Underway CTD, HP =Hyperpro, TF=Tow fish, OP= optics package, PC=Plankton Camera, PP/MP= Primary Production and Mesopelagic Array

Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
61	6/27/2017	21:13	21:23	24 ° 09.146 N	158 ° 09.550 W	uCTD	54	~300	
62	6/27/2017	21:32	21:42	24 ° 11.818 N	158 ° 10.511 W	uCTD	55	~300	Probe #294
63	6/27/2017	21:55	21:52			uCTD	56	~300	Probe #297
64	6/27/2017	22:14	22:05	24 ° 15.257 N	158 ° 11.645 W	uCTD	57	~300	Probe #294
65	6/27/2017	22:33	22:24	24 ° 17.948 N	158 ° 12.473 W	uCTD	58	~300	Probe #294
66	6/27/2017	22:51	22:43	24 ° 20.760 N	158 ° 13.439 W	uCTD	59	~300	Level wind failed. Paid CTD back out, not recovered until line smoothed, began second recovery at 23:03. Manual level.
67	6/28/2017	00:29	23:16	24 ° 23.586 N	158 ° 14.346 W	uCTD	60	~300	Probe #294
68	6/28/2017	00:45	00:37	24 ° 38.026 N	158 ° 18.771 W	uCTD	61	~300	Probe #294
69	6/28/2017	01:01	00:55	24 ° 40.363 N	158 ° 19.504 W	uCTD	62	~300	Probe #297
70	6/28/2017	01:16	01:11	24 ° 42.627 N	158 ° 20.316 W	uCTD	63	~300	Probe #297
71	6/28/2017	01:32	01:26	24 ° 44.355 N	158 ° 21.705 W	uCTD	64	~300	Probe #297
72	6/28/2017	01:49	01:45	24 ° 45.585 N	158 ° 23.630 W	uCTD	65	~300	Probe #297
73	6/28/2017	01:49	01:57	24 ° 47.055 N	158 ° 25.670 W	uCTD	66	~300	Probe #297
74	6/28/2017	02:03	02:11	24 ° 48.862 N	158 ° 27.283 W	uCTD	67	~300	Probe #297
75	6/28/2017	02:17	02:26	24 ° 50.986 N	158 ° 28.185 W	uCTD	68	~300	Probe #297
76	6/28/2017	02:32	02:42	24 ° 52.856 N	158 ° 29.490 W	uCTD	69	~300	Probe #297
77	6/28/2017	02:47		24 ° 54.619 N	158 ° 29.965 W	SVP			Serial #: UOH-SVT-0002

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
78	6/28/2017	02:59	03:10	24 ° 55.972 N	158 ° 28.903 W	uCTD	70	~300	Probe #297
79	6/28/2017	03:14	03:23	24 ° 57.797 N	158 ° 27.848 W	uCTD	71	~300	Probe #297
80	6/28/2017	03:28	03:39	24 ° 59.777 N	158 ° 26.757 W	uCTD	72	~300	Probe #297
81	6/28/2017	03:44	03:54	25 ° 018.16 N	158 ° 25.695 W	uCTD	73	~300	Probe #297
82	6/28/2017	04:00	04:10	25 ° 07.356 N	158 ° 24.671 W	uCTD	74	~300	Probe #294
83	6/28/2017	04:15	04:25	25 ° 05.800 N	158 ° 23.652 W	uCTD	75	~300	Probe #294
84	6/28/2017	04:29	04:38	25 ° 07.777 N	158 ° 22.695 W	uCTD	76	~300	Probe #294
85	6/28/2017	04:55	05:05	25 ° 11.450 N	158 ° 20.932 W	uCTD	77	~300	Probe #294
86	6/28/2017	05:14	05:24	25 ° 17.072 N	158 ° 19.640 W	uCTD	78	~300	Probe #294
87	6/28/2017	05:27	05:37	25 ° 16.000 N	158 ° 18.777 W	uCTD	79	~300	Probe #294
88	6/28/2017	05:40	05:49	25 ° 17.790 N	158 ° 18.110 W	uCTD	80	~300	Probe #294
89	6/28/2017	05:52	06:01	25 ° 19.590 N	158 ° 17.536 W	uCTD	81	~300	Probe #294
90	6/28/2017	06:05	06:15	25 ° 21.606 N	158 ° 16.923 W	uCTD	82	~300	Probe #294
91	6/28/2017	06:19	06:30	25 ° 23.688 N	158 ° 16.293 W	uCTD	83	~300	Probe #294
92	6/28/2017	06:35	06:44	25 ° 25.671 N	158 ° 15.714 W	uCTD	84	~300	Probe #294
93	6/28/2017	06:48	06:57	25 ° 27.765 N	158 ° 15.104 W	uCTD	85	~300	Probe #297
94	6/28/2017	07:01	07:11	25 ° 29.725 N	158 ° 14.586 W	uCTD	86	~300	Probe #297
95	6/28/2017	07:16	07:26	25 ° 32.000 N	158 ° 13.318 W	uCTD	87	~300	Probe #297
96	6/28/2017	07:30	07:41	25 ° 33.970 N	158 ° 13.436 W	uCTD	88	~300	Probe #297
97	6/28/2017	07:50	08:05	25 ° 36.917 N	158 ° 12.728 W	uCTD	89	~300	Probe #297

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
98	6/28/2017	08:08	08:16	25 ° 39.399 N	158 ° 12.081 W	uCTD	90	~300	Probe #297
99	6/28/2017	08:22	08:33	25 ° 41.669 N	158 ° 11.533 W	uCTD	91	~300	Probe #294
100	6/28/2017	08:41	08:53	25 ° 44.479 N	158 ° 10.873 W	uCTD	92	~300	Probe #294
101	6/28/2017	09:01	9:10	25 ° 47.189 N	158 ° 10.089 W	uCTD	93	~300	Probe #294
102	6/28/2017	09:38	9:47	25 ° 52.430 N	158 ° 08.592 W	uCTD	94	~300	Probe #297
103	6/28/2017	09:54	10:03	25 ° 54.378 N	158 ° 08.012 W	uCTD	95	~300	
104	6/28/2017	10:09	10:19	25 ° 56.739 N	158 ° 07.483 W	uCTD	96	~300	
105	6/28/2017	10:27	10:37	25 ° 58.992 N	158 ° 06.929 W	uCTD	97	~300	Probe #294
106	6/28/2017	10:41	10:51	26 ° 01.107 N	158 ° 06.347 W	uCTD	98	~300	Probe #294
107	6/28/2017	10:58	11:08	26 ° 03.522 N	158 ° 05.704 W	uCTD	99	~300	Probe #294
108	6/28/2017	11:11	11:21	26 ° 05.752 N	158 ° 05.072 W	uCTD	100	~300	Probe #294
109	6/28/2017	11:28	11:38	26 ° 08.340 N	158 ° 04.412 W	uCTD	101	~300	Probe #294
110	6/28/2017	11:46	11:56	26 ° 11.082 N	158 ° 03.725 W	uCTD	102	~300	Probe #294
111	6/28/2017	12:02	12:11	26 ° 13.479 N	158 ° 03.102 W	uCTD	103	~300	Probe #294
112	6/28/2017	12:17	12:27	26 ° 15.635 N	158 ° 02.530 W	uCTD	104	~300	Probe #294
113	6/28/2017	12:36	12:46	26 ° 18.483 N	158 ° 02.553 W	uCTD	105	~300	Probe #294
114	6/28/2017	12:57	13:07	26 ° 21.751 N	158 ° 01.874 W	uCTD	106	~300	Probe #294
115	6/28/2017	13:13	13:22	26 ° 23.498 N	158 ° 00.165 W	uCTD	107	~300	Probe #294
116	6/28/2017	13:27	13:36	26 ° 24.674 N	157 ° 58.008 W	uCTD	108	~300	Probe #294
117	6/28/2017	13:44		26 ° 24.963 N	157 ° 55.171W	SVP	003	~300	Probe #294

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
118	6/28/2017	13:49	13:58	26 ° 25.353 N	157 ° 54.686 W	uCTD	109	~300	Probe #297
119	6/28/2017	14:02	14:12	26 ° 26.956 N	157 ° 53.654 W	uCTD	110	~300	Probe #297
120	6/28/2017	14:42	14:52	26 ° 32.661 N	157 ° 51.004 W	uCTD	111	~300	Probe #297
121	6/28/2017	14:56	15:05	26 ° 34.568 N	157 ° 50.397 W	uCTD	112	~300	Probe #297
122	6/28/2017	15:09	15:20	26 ° 36.388 N	157 ° 49.849 W	uCTD	113	~300	Probe #297
123	6/28/2017	15:23	15:34	26 ° 38.384 N	157 ° 49.228 W	uCTD	114	~300	Probe #297
124	6/28/2017	15:37	15:49	26 ° 40.475 N	157 ° 48.536 W	uCTD	115	~300	Probe #297
125	6/28/2017	15:53	16:00	26 ° 42.464 N	157 ° 47.957 W	uCTD	116	~300	Probe #297
126	6/28/2017	16:31	16:39	26 ° 48.112 N	157 ° 46.105 W	uCTD	117	~300	Probe #297
127	6/28/2017	16:43	16:52	26 ° 49.965 N	157 ° 45.517 W	uCTD	118	~300	Probe #297
128	6/28/2017	16:55	17:04	26 ° 51.727 N	157 ° 44.940 W	uCTD	119	~300	Probe #297
129	6/28/2017	17:10	17:19	26 ° 53.513 N	157 ° 44.346 W	uCTD	120	~300	Probe #294 - Forgot to replace magnet, waited 30s
130	6/28/2017	17:23	17:32	26 ° 55.337 N	157 ° 43.735 W	uCTD	121	~300	Not recorded
131	6/28/2017	17:37	17:47	26 ° 57.436 N	157 ° 43.004 W	uCTD	122	~300	Probe #294
132	6/28/2017	17:55	18:06	27 ° 00.051 N	157 ° 42.080 W	uCTD	123	~300	Probe #294
133	6/28/2017	18:12	18:21	27 ° 02.266 N	157 ° 41.287 W	uCTD	124	~300	Probe #294
134	6/28/2017	18:25	18:33	27 ° 04.361 N	157 ° 40.577 W	uCTD	125	~300	Probe #294
135	6/28/2017	18:38	18:48	27 ° 06.250 N	157 ° 39.938 W	uCTD	126	~300	Probe #294
136	6/28/2017	18:51	19:00	27 ° 08.128 N	157 ° 39.308 W	uCTD	127	~300	Probe #294
137	6/28/2017	19:05	19:14	27 ° 10.144 N	157 ° 38.644 W	uCTD	128	~300	Probe #294

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
138	6/28/2017	19:24	19:31	27 ° 12.617 N	157 ° 37.911 W	uCTD	129	~300	Probe #297
139	6/28/2017	19:37	19:47	27 ° 14.777 N	157 ° 37.154 W	uCTD	130	~300	Probe #297
140	6/28/2017	19:51	20:01	27 ° 16.812 N	157 ° 36.301 W	uCTD	131	~300	Probe #297
141	6/28/2017	20:05	20:14	27 ° 18.840 N	157 ° 35.405 W	uCTD	132	~300	Probe #297
142	6/28/2017	20:18	20:28	27 ° 20.638 N	157 ° 34.576 W	uCTD	133	~300	Probe #297
143	6/28/2017	20:32	20:41	27 ° 22.559 N	157 ° 33.694 W	uCTD	134	~300	Probe #297
144	6/28/2017	20:44	20:53	27 ° 24.275 N	157 ° 32.869 W	uCTD	135	~300	Probe #297
145	6/28/2017	20:57	21:06	27 ° 26.047 N	157 ° 32.019 W	uCTD	136	~300	Probe #297
146	6/28/2017	21:10	20:20	27 ° 27.886 N	157 ° 31.158 W	uCTD	137	~300	Probe #297
147	6/28/2017	21:24	21:36	27 ° 29.784 N	157 ° 30.285 W	uCTD	138	~300	Probe #297
148	6/28/2017	21:40	21:49	27 ° 31.851 N	157 ° 29.296 W	uCTD	139	~300	Probe #297
149	6/28/2017	21:53	22:01	27 ° 33.776 N	157 ° 28.368 W	uCTD	140	~300	Probe #297
150	6/28/2017	22:05	22:14	27 ° 35.476 N	157 ° 27.546 W	uCTD	141	~300	Probe #297
151	6/28/2017	22:18	22:27	27 ° 37.191 N	157 ° 26.706 W	uCTD	142	~300	Probe #297
152	6/28/2017	22:31	22:41	27 ° 39.131 N	157 ° 25.744 W	uCTD	143	~300	Probe #297
153	6/28/2017	22:46	22:56	27 ° 41.157 N	157 ° 24.750 W	uCTD	144	~300	Probe #297
154	6/28/2017	23:02	23:11	27 ° 43.360 N	157 ° 23.696 W	uCTD	145	~300	Probe #297
155	6/28/2017	23:16	23:26	27 ° 45.466 N	157 ° 22.750 W	uCTD	146	~300	Probe #297
156	6/28/2017	23:30	23:39	27 ° 47.426 N	157 ° 21.836 W	uCTD	147	~300	Probe #297
157	6/28/2017	23:43	23:53	27 ° 49.293 N	157 ° 20.932 W	uCTD	148	~300	Probe #297

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
158	6/29/2017	11:51		27 ° 57.087 N	157 ° 16.996 W	uCTD	149	~300	Probe #294
159	6/29/2017	0:47	1:44	27 ° 57.902 N	157 ° 17.027 W	CTD	S04C01	200	
160	6/29/2017	03:12		27 ° 57.040 N	157 ° 17.048 W	TmCTD	S04C02	500	TmCTD
161	6/29/2017	05:13	5:51	27 ° 57.012 N	157 ° 17.162 W	CTD	S04C03	200	
162	6/29/2017	10:20	10:30	27 ° 10.986 N	157 ° 36.340 W	WW	-	-	Test Deployment
163	6/29/2017	11:30	12:00	27 ° 10.792 N	157 ° 36.455 W	WW	-	400	Test Recovery
164	6/29/2017	12:15	13:00	27 ° 10.795 N	157 ° 36.457 W	CTD	S05C01	200	
165	6/29/2017	13:17	13:55	27 ° 10.801 N	157 ° 36.465 W	TmCTD	-	400	
166	6/29/2017	14:01	15:18	27 ° 10.778 N	157 ° 36.450 W	CTD	S05C02	500	
167	6/29/2017	20:00	20:18	26 ° 22.173 N	158 ° 00.809 W	WW1	-		Deployment of first wirewalker - Rockblock 13 "Leia"
168	6/29/2017	20:33	21:21	26 ° 22.213 N	158 ° 00.649 W	CTD	S06C01	500	
169	6/29/2017	21:35	22:06	26 ° 22.222 N	158 ° 00.653 W	TmCTD	-	400	
170	6/29/2017	22:23	22:53	26 ° 22.225 N	158 ° 00.656 W	CTD	S06C02	200	
171	6/29/2017	23:34	00:10	26 ° 22.198 N	158 ° 00.645 W	CTD	S06C03	200	
172	6/30/2017	01:36	02:25	26 ° 10.208 N	158 ° 01.346 W	CTD	S07C01	200	
173	6/30/2017	03:25	04:09	26 ° 10.225 N	158 ° 01.352 W	CTD	S07C02	200	
174	6/30/2017	04:24		26 ° 10.260 N	158 ° 01.314 W	TmCTD	-	400	
175	6/30/2017	05:32	06:34	26 ° 10.213 N	158 ° 01.313 W	CTD	S07C03	500	
176	6/30/2017	08:29	~09:10	25 ° 55.499 N	158 ° 07.415 W	CTD	S08C01	200	
177	6/30/2017	09:18		25 ° 55.450 N	158 ° 07.416 W	TmCTD	-	400	

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
178	6/30/2017	10:07	10:52	25 ° 55.471 N	158 ° 7.422 W	CTD	S08C02	500	
179	6/30/2017	12:53	13:03	25 ° 40.731 N	158 ° 13.503 W	CTD	S09C01	200	
180	6/30/2017	13:31	14:10	25 ° 40.743 N	158 ° 13.503 W	CTD	S09C02	200	
181	6/30/2017	14:29	15:05	25 ° 40.767 N	158 ° 13.503 W	TmCTD		400	
182	6/30/2017	15:11	16:04	25 ° 40.813 N	158 ° 13.513 W	CTD	S09C03	500	
183	6/30/2017	17:46	18:52	25 ° 25.941 N	158 ° 19.621 W	CTD	S10C01	500	
184	6/30/2017	19:05		25 ° 25.922 N	158 ° 19.621 W	TmCTD		400	
185	6/30/2017	20:35	21:14	25 ° 25.914 N	158 ° 19.623 W	CTD	S10C02	200	
186	6/30/2017	23:39		25 ° 11.147 N	158 ° 25.700 W	CTD	S11C01	500	
187	7/1/2017	01:29	02:14	25 ° 11.257 N	158 ° 25.708 W	CTD	S11C02	200	
188	7/1/2017	03:02	03:35	25 ° 11.189 N	158 ° 25.766 W	CTD	S11C03	200	
189	7/1/2017	05:40		24 ° 51.6 N	158 ° 34.2 W	SVP 4			
190	7/1/2017	05:49	06:28	24 ° 51.567 N	158 ° 34.108 W	CTD	S12C01	200	
191	7/1/2017	6:43	7:21	24 ° 51.604 N	158 ° 34.126 W	TmCTD		400	
192	7/1/2017	7:30	8:18	24 ° 51.635 N	158 ° 34.135 W	CTD	S12C02	500	
193	7/1/2017	8:30	8:56	24 ° 51.618 N	158 ° 33.971 W	WW	2	400	"LUKE" ROCKBLOCK 14
194	7/1/2017	12:02	13:04	24 ° 28.248 N	158 ° 43.393 W	CTD	S13C01	500	
195	7/1/2017	13:15	13:58	24 ° 28.301 N	158 ° 43.215 W	TmCTD		400	
196	7/1/2017	14:05		24 ° 28.329 N	158 ° 43.163 W	CTD	S13C02	200	
197	7/1/2017	06:34	07:31	23 ° 59.991 N	158 ° 55.040 W	CTD	S14C01	500	

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
198	7/1/2017	19:45	20:27	24 ° 0.033 N	158 ° 55.097 W	TmCT D		400	
199	7/1/2017	20:33	21:12	24 ° 0.032 N	158 ° 55.099 W	CTD	S14C02	200	
200	7/2/2017	02:05	02:22	24 ° 50.387 N	158 ° 35.950 W	ST #1	1	150	Lightly wuzzled floats
201	7/2/2017	03:33	03:54	25 ° 0.148 N	158 ° 33.514 W	ST #2	2	150	
202	7/2/2017	05:00	05:19	25 ° 9.895 N	158 ° 31.158 W	ST #3	3	150	
203	7/2/2017	06:19	06:37	25 ° 19.623 N	158 ° 28.769 W	ST #4	4	150	
204	7/2/2017	07:37	07:55	25 ° 29.298 N	158 ° 26.401 W	ST #5	5	150	
205	7/2/2017	09:00	09:16	25 ° 39.029 N	158 ° 23.988 W	ST #6	6	150	
206	7/2/2017	10:19	10:37	25 ° 48.728 N	158 ° 21.587 W	ST #7	7	150	
207	7/2/2017	11:40	11:55	25 ° 58.444 N	158 ° 19.169 W	ST #8	8	150	Slides at surface
208	7/2/2017	13:00	13:15	26 ° 8.176 N	158 ° 16.738 W	ST #9	9	150	Slides at surface
209	7/2/2017	14:15	14:35	26 ° 17.894 N	158 ° 14.368 W	ST #10	10	150	Slides at surface
210	7/2/2017	15:37	15:54	26 ° 27.615 N	158 ° 11.944 W	ST #11	11	150	Slides at surface
211	7/2/2017	14:38	17:00	26 ° 36.946 N	158 ° 09.570 W	ST #12	12	150	
212	7/3/2017	16:30	17:13	25 ° 5.403 N	158 ° 04.795 W	CTD	S15C1	200	
213	7/3/2017	19:30	20:15	25 ° 5.465 N	158 ° 4.793 W	CTD	S15C2	200	
214	7/3/2017	20:50	21:45	25 ° 5.453 N	158 ° 4.795 W	CTD	S15C3	500	
215	7/3/2017	15:31	16:19	25 ° 43.658 N	158 ° 33.662 W	CTD	L1C01	400	
216	7/3/2017	18:02	18:36	24 ° 43.583 N	158 ° 33.635 W	TmCT D		400	
217	7/3/2017	22:58	23:38	24 ° 43.293 N	158 ° 30.572 W	CTD	L1C02	400	SigTheta: 25.23 kg/m3
218	7/3/2017	23:55		24 ° 43.271 N	158 ° 30.566 W	TmCT D		400	

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
219	7/4/2017	01:47	02:37	24 ° 43.417 N	158 ° 30.160 W	CTD	L1C03	400	SigTheta: 25.25 kg/m3
220	7/4/2017	03:08	03:55	24 ° 43.372 N	158 ° 27.910 W	Fe-L			Argos RF CH 156.675 MHz
221	7/4/2017	04:19	04:46	24 ° 41.397 N	158 ° 27.835 W	DGR			Argos RF CH 156.425 MHz
222	7/4/2017	05:20	05:47	24 ° 45.518 N	158 ° 27.868 W	PP/MP			Argos RF CH 165.625 MHz
223	7/4/2017	06:30	07:08	24 ° 43.233 N	158 ° 29.209 W	CTD	L1C04	400	
224	7/4/2017	07:55	08:42	24 ° 43.449 N	158 ° 29.020 W	CTD	L1C05	700	
225	7/4/2017	10:02	10:46	24 ° 43.832 N	158 ° 29.362 W	CTD	L1C06	400	
226	7/4/2017	12:38	12:48	24 ° 44.713 N	158 ° 28.933 W	CTD	L1C07	15	
227	7/4/2017	13:11	13:20	24 ° 44.713 N	158 ° 28.933 W	CTD	L1C08	15	
228	7/4/2017	14:01		24 ° 44.662 N	158 ° 28.895 W	CTD	L1C09	400	
229	7/4/2017	15:00				HP		180	
230	7/4/2017	18:03		24 ° 45.530 N	158 ° 28.713 W	CTD	L1C10	400	
231	7/4/2017	19:23	19:48	24 ° 48.368 N	158 ° 32.623 W	PP #1	#1	125	Recovery
232	7/4/2017	20:00	21:50			OP			Optics Profile
233	7/4/2017	22:02		24 ° 45.550 N	158 ° 29.949 W	CTD	L1C11	400	
234	7/4/2017	23:57	00:28	24 ° 45.499 N	158 ° 29.955 W	TmCTD			
235	7/5/2017	00:59	01:20	24 ° 46.917 N	158 ° 30.488 W	CTD	L1C12	45	
236	7/5/2017	02:08	02:59	24 ° 46.999 N	158 ° 30.552 W	CTD	L1C13	400	
237	7/5/2017	03:03		24 ° 47.435 N	158 ° 30.139 W	CTD	L1C14	400	
238	7/5/2017	05:04	05:36	24 ° 47.629 N	158 ° 27.843 W	PP #2	#2	300	Argos RF CH 156.625 MHz / Deployment
239	7/5/2017	06:16	06:58	24 ° 47.215 N	158 ° 30.936 W	CTD	L1C15	400	

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
240	7/5/2017	09:58	10:34	24 ° 47.460 N	158 ° 33.427 W	CTD	L1C16	400	
241	7/5/2017	10:40	11:00	24 ° 47.353 N	158 ° 33.344 W	NT			Net Tow (Dyhrman)
242	7/5/2017	12:47	13:40	24 ° 47.884 N	158 ° 33.940 W	HP			HyperPro
243	7/5/2017	13:56	14:41	24 ° 47.959 N	158 ° 34.190 W	CTD	L1C17	400	
244	7/5/2017	15:00	15:35	24 ° 47.991 N	158 ° 34.389 W	PC			
245	7/5/2017	16:20	16:30	24 ° 48.001 N	158 ° 34.373 W	NT			Net Tow (Caron)
246	7/5/2017	17:57	18:56	24 ° 48.536 N	158 ° 35.866 W	CTD	L1C18	700	
247	7/5/2017	19:10	19:50	24 ° 49.712 N	158 ° 35.143 W	PP/MP			Array Recovered w/o incident
248	7/5/2017	20:25	21:05	24 ° 48.556 N	158 ° 37.196 W	Optics	2a	110	10 min@15 & 10min@DCM
249	7/5/2017	21:07	21:46	24 ° 48.556 N	158 ° 37.196 W	Optics	2b	110	10 min@15 & 10min@DCM
250	7/5/2017	21:54	22:42	24 ° 48.625 N	158 ° 37.218 W	Optics	L1C19	400	
251	7/5/2017	22:23	23:15	24 ° 48.685 N	158 ° 37.239 W	CTD	L1C20	400	
252	7/6/2017	00:31	01:18	24 ° 48.725 N	158 ° 37.258 W	CTD	L1C21	400	
253	7/6/2017	01:35	02:00	24 ° 48.721 N	158 ° 37.259 W	TmCTD		200	
254	7/6/2017	02:10	02:47	24 ° 48.741 N	158 ° 37.279 W	CTD	L1C22	400	
255	7/6/2017	03:46	04:26	24 ° 49.018 N	158 ° 35.117 W	DGR			Array recovered - slight delay due to prop shaft
256	7/6/2017	04:26	04:47	24 ° 49.018 N	158 ° 35.117 W	GA			Array deployed w/o incident
257	7/6/2017	05:15	05:31	24 ° 49.833 N	158 ° 33.112 W	PP			ARGOS RF CH 6048184859
258	7/6/2017	06:33	07:42	24 ° 48.538 N	158 ° 40.375 W	CTD	L1C23	700	
259	7/6/2017					NT			Net Tow (Caron)
260	7/6/2017	08:12	08:43	24 ° 48.665 N	158 ° 40.329 W	CTD	L1C24	200	

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
261	7/6/2017	10:00	10:55	24 ° 47.030 N	158 ° 41.631 W	CTD	L1C25	400	
262	7/6/2017	11:05	11:20	24 ° 47.087 N	158 ° 41.579 W	NT			Net Tow (Dhyrman)
263	7/6/2017	12:42		24 ° 46.736 N	158 ° 42.492 W	HP			
264	7/6/2017	13:54	14:32	24 ° 46.816 N	158 ° 42.625 W	CTD	L1C26	400	
265	7/6/2017	15:05	15:37	24 ° 46.680 N	158 ° 42.830 W	CTD	L1C27	200	Ingalls Cast
266	7/6/2017	18:02	18:43	24 ° 46.701 N	158 ° 42.734 W	CTD	L1C28	400	
267	7/6/2017	19:25	19:48	24 ° 50.016 N	158 ° 41.973 W	PP	#3	125	Recover PP Array
268	7/6/2017	20:28		24 ° 44.945 N	158 ° 42.201 W	Optics	#3a	200	no filters (DHG off, syringe on)
269	7/6/2017		21:08	24 ° 44.945 N	159 ° 42.201 W	Optics	#3b	200	filters
270	7/6/2017	22:28	23:09	24 ° 44.256 N	158 ° 41.627 W	CTD	L1C29	400	
271	7/7/2017	00:30	01:05	24 ° 46.471 N	158 ° 41.927 W	FE	#1		Recovery
272	7/7/2017	01:57	02:44	24 ° 43.393 N	158 ° 41.503 W	CTD	L1C30	400	
273	7/7/2017	03:15	03:36	24 ° 43.384 N	158 ° 41.499 W	CTD	L1C31	45	
274	7/7/2017	04:20	04:54	24 ° 45.397 N	158 ° 41.338 W	FE	#2		Deployment
275	7/7/2017	05:45	06:10	24 ° 47.079 N	158 ° 43.795 W	GA	#1		Recovery
276	7/7/2017	07:05	08:03	24 ° 41.855 N	158 ° 40.180 W	CTD	L1C32	400	
277	7/7/2017	08:36	09:23	24 ° 41.804 N	158 ° 40.057 W	CTD	L1C33	400	
278	7/7/2017	10:50	11:05	24 ° 41.804 N	158 ° 40.152 W	NT			Dhyrman
279	7/7/2017	11:11	11:21	24 ° 41.264 N	158 ° 38.152 W	NT			Caron (small)
280	7/7/2017	12:00				PC			
281	7/7/2017		16:30			SG			Seaglider recovery by TC/BB using FRB

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282	7/7/2017	19:30	20:09			FE			Array recovered successfully
283	7/8/2017	07:24		26 ° 30.1 N	158 ° 26.546 W	SVP	5		SVP UoH-0005
284	7/8/2017	07:59	08:59	26 ° 30.069 N	158 ° 26.425 W	CTD	L2C01	400	
285	7/8/2017	09:26	10:30	26 ° 29.960 N	158 ° 26.379 W	CTD	L2C02	400	
286	7/8/2017	16:06	16:59	26 ° 29.577 N	158 ° 26.522 W	PC	4	200	
287	7/8/2017	18:00		26 ° 29.598 N	158 ° 26.534 W	TmCT D			
288	7/8/2017	20:03	20:45	26 ° 28.578 N	158 ° 27.273 W	CTD	L2C03	400	No water needed
289	7/8/2017	22:50	23:32	26 ° 27.276 N	158 ° 28.122 W	CTD	L2C04	400	
290	7/8/2017	23:57	00:29	26 ° 28.313 N	158 ° 28.125 W	TmCT D		400	
291	7/9/2017	01:47	02:43	26 ° 27.994 N	159 ° 29.085 W	CTD	L2C05	400	
293	7/9/2017	03:17	04:01	26 ° 26.645 N	158 ° 30.624 W	FE#2	#2	300	ARGOS 84857 IRID 659100 RF CH 156.675 MHz
294	7/9/2017	04:21	04:47	26 ° 28.709 N	158 ° 30.492 W	DGR	#2	300	ARGOS 60482 3028 RF CH 156.425 MHz
295	7/9/2017	05:14	05:35	26 ° 30.585 N	158 ° 30.648 W	PP	#4	180	ARGOS 60481 84859 RF CH 156.625 MHz
296	7/9/2017	06:07	06:47	26 ° 29.077 N	158 ° 29.174 W	CTD	L2C06	400	
297	7/9/2017	07:55	08:36	26 ° 29.212 N	158 ° 28.886 W	CTD	L2C07	700	
298	7/9/2017	09:57	10:42	26 ° 29.807 N	158 ° 29.177 W	CTD	L2C08	400	
299	7/9/2017	12:30	12:43	26 ° 29.774 N	158 ° 29.210 W	CTD	L2C09	15	Dhyrman
300	7/9/2017	13:14	13:30	26 ° 29.746 N	158 ° 29.206 W	CTD	L2C10	15	Dhyrman
301	7/9/2017	13:51	14:34	26 ° 29.733 N	158 ° 29.204 W	CTD	L2C11	400	
302	7/9/2017	14:39	15:30	26 ° 29.324 N	158 ° 29.452 W	HP		180	HyperPro
303	7/9/2017	17:40				NT			Net Tow

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304	7/9/17	17:57	18:47	26 ° 29.380 N	158 ° 29.342 W	CTD	L2C12	400	
305	7/9/17	19:23	20:00	26 ° 32.036 N	158 ° 31.244 W	PP			Recovery
306	7/9/17	20:38	21:28	26 ° 28.613 N	158 ° 29.162 W	OP		200	No filters (15m & 125m) DH4 not blinking
307	7/9/17	21:30							Filters
308	7/9/17	23:26	00:00	26 ° 28.589 N	158 ° 29.173 W	TmCTD		400	
309	7/10/17	00:04	00:26	26 ° 28.581 N	158 ° 29.395 W	CTD	L2C14	45	White & Zehr cast
309a	7/10/17	01:00				NT			Net Tow (Dhyrman)
310	7/10/17	02:03	02:03	26 ° 28.169 N	158 ° 29.915 W	CTD	L2C15	400	
311	7/10/17	03:21	03:59	26 ° 28.076 N	158 ° 30.694 W	CTD	L2C16	200	PP Cast
312	7/10/17	04:55	05:40	26 ° 27.497 N	158 ° 32.914 W	PP			ARGOS 60481 84859 RF CH 156.625 MHz
313	7/10/17	06:05	06:49	26 ° 27.430 N	158 ° 30.865 W	CTD	L2C17	400	
314	7/10/17	09:54	10:35	26 ° 27.846 N	158 ° 32.521 W	CTD	L2C18	400	
315	7/10/17					NT			Net Tow (Dhyrman)
316	7/10/17					PC			Plankton Camera
317	7/10/17	12:56	13:30	26 ° 28.361 N	158 ° 32.712 W	HP		180	HyperPro
318	7/10/17	14:01	14:48	26 ° 28.426 N	158 ° 32.736 W	CTD	L2C19	400	
319	7/10/17	17:30				NT			Caron (small)
320	7/10/17	18:08	19:18	26 ° 29.097 N	158 ° 32.160 W	CTD	L2C20	700	
321	7/10/17	20:05	20:34	26 ° 30.103 N	158 ° 35.359 W	PP1		300	Meso & PP recovered
322	7/10/17	21:08	21:43	26 ° 29.659 N	158 ° 32.123 W	OP		125	No filters (15m & 125m)

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
323	7/10/17	21:46				OP		125	Filters
324	7/10/17	22:19	23:05	26 ° 29.628 N	158 ° 32.124 W	CTD	L2C21	400	
325	7/10/17	23:47	00:14	26 ° 29.551 N	158 ° 32.142 W	CTD	L2C22	125	15N2 fixation cast
326	7/11/17	00:49	01:31	26 ° 29.569 N	158 ° 32.147 W	CTD	L2C23	400	PP cast
327	7/11/17	01:46	02:10	26 ° 29.555 N	158 ° 32.149 W	TmCT D		200	
328	7/11/17	02:23	02:59	26 ° 29.542 N	158 ° 32.150 W	CTD	L2C24	400	
329	7/11/17	03:55	04:18	26 ° 35.357 N	158 ° 32.635 W	DGR	#2	125	Recovery
330	7/11/17	04:18	04:34	26 ° 35.357 N	158 ° 32.635 W	GA	#2	125	Deployment
331	7/11/17	05:05	05:25	26 ° 31.536 N	158 ° 31.905 W	PP	#6	125	Deployment
332	7/11/17	06:06	06:54	26 ° 28.801 N	158 ° 33.894 W	CTD	L2C25	400	
333	7/11/17	07:05	07:30	26 ° 28.898 N	158 ° 33.733 W	NT			Caron (Large)
334	7/11/17	09:56	12:45	29 ° 29.551 N	158 ° 36.094 W	CTD	L2C26	400	Winch broke during cast @ 10:19. One bottle fired before breakdown. Winch fixed @ 11:59, cast resumed.
335	7/11/17	12:51	13:21	26 ° 29.812 N	158 ° 35.972 W	HP		180	
336	7/11/17	13:57	14:40	26 ° 31.334 N	158 ° 36.428 W	CTD	L2C27	400	
337	7/11/17	15:09	15:41	26 ° 31.377 N	158 ° 36.401 W	CTD	L2C28	200	
338	7/11/17	16:13		26 ° 32.455 N	158 ° 35.414 W	PC		15	
339	7/11/17	17:56		26 ° 32.292 N	158 ° 35.322 W	CTD	L2C29	400	
340	7/11/17	19:35	19:48	26 ° 33.914 N	158 ° 32.436 W	PP	#6	125	Recovery
341	7/11/17	20:24	21:07	26 ° 33.008 N	158 ° 34.102 W	OP		200	No filter (15m & 125m) DH4 not blinking
342	7/11/17	21:10	21:52	26 ° 33.008 N	158 ° 34.102 W	OP		200	Filters (15m & 125m)

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Event #	Date (HST)	Time Start	Time End	Latitude	Longitude	Type	Cast #	Cast Depth	Comments
343	7/11/17	21:59	22:39	26 ° 33.067 N	158 ° 34.105 W	CTD	L2C30	400	
344	7/11/17	22:44	23:30	26 ° 33.067 N	158 ° 34.105 W	NT			Net Tow (Dhyrman)
345	7/12/17	12:05	01:38	26 ° 37.756 N	158 ° 31.964 W	Fe Array			Recovery
346	7/12/17	02:20	03:13	26 ° 33.197 N	158 ° 33.904 W	CTD	L2C31	400	
347	7/12/17	03:41	04:05	26 ° 33.194 N	158 ° 33.904 W	CTD	L2C32	45	
348	7/12/17	04:40	05:03	26 ° 33.694 N	158 ° 32.802 W	Fe	#4	300	Deployment
349	7/12/17	05:50	06:21	26 ° 35.752 N	158 ° 27.118 W	GA	#2	125	Recovery
350	7/12/17	08:00	08:45	26 ° 34.298 N	158 ° 39.222 W	WW	#3	400	Recovery "LEIA"
351	7/12/17	09:35	10:00	26 ° 33.964 N	158 ° 43.002 W	ST	#10	150	Recovery
352	7/12/17	11:10	11:23	26 ° 27.572 N	158 ° 39.277 W	ST	#11	150	Recovery
353	7/12/17	12:44	13:06	26 ° 15.905 N	158 ° 40.462 W	ST	#9	150	Recovery
354	7/12/17	14:25	14:43	26 ° 20.070 N	158 ° 27.981 W	ST	#12	150	Recovery
355	7/12/17	17:30	17:51	26 ° 25.061 N	157 ° 59.550 W	ST	#8	150	Recovery
356	7/12/17	20:56	21:58	26 ° 33.965 N	158 ° 31.030 W	Fe		300	Recovery
357	7/13/17	02:17	02:34	26 ° 4.545 N	158 ° 11.160 W	ST	#7	150	Recovery
358	7/13/17	10:03	10:13	26 ° 52.040 N	159 ° 35.528 W	ST	#6	150	Recovery
359	7/13/17	16:35	16:53	25 ° 56.671 N	160 ° 20.179 W	ST	#5	150	Recovery
360	7/13/17	19:43	19:57	25 ° 29.381 N	160 ° 16.511 W	ST	#4	150	Recovery
361	7/13/17	22:48	23:02	25 ° 12.606 N	160 ° 2.911 W	ST	#3	150	Recovery
362	7/14/17	10:08	10:22	24 ° 14.285 N	160 ° 10.237 W	ST	#2	150	Recovery

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