

POBORNH	192 53	52	MANTA	MANTA START	2013-08-11 18:57:00	-8	2013-08-11 10:57:00	2013-08-11 11:57:00	32.63187	-140.31015
POBORNH	193 53	53	MANTA	MANTA END	2013-08-11 21:04:00	-8	2013-08-11 11:44:00	2013-08-11 12:14:00	32.63150	-140.31150
POBORNH	194 53	53	MANTA	MANTA START	2013-08-11 21:05:00	-8	2013-08-11 11:05:00	2013-08-11 14:05:00	32.89810	-140.30995
POBORNH	195 53	54	MANTA	MANTA END	2013-08-11 21:20:00	-8	2013-08-11 11:00:00	2013-08-11 14:20:00	32.96312	-140.31200
POBORNH	196 53	1	BOAT	SMALL BOAT LAUNCH	2013-08-11 21:45:00	-8	2013-08-11 11:45:00	2013-08-11 14:45:00	32.91078	-140.31998
POBORNH	197 53	14	CTD	CTD START	2013-08-11 21:55:00	-8	2013-08-11 11:55:00	2013-08-11 14:55:00	32.91112	-140.31913
POBORNH	198 53	14	CTD	CTD END	2013-08-11 22:31:00	-8	2013-08-11 11:51:00	2013-08-11 15:11:00	32.91110	-140.31910
POBORNH	199 53	13	BONGO	BONGO START	2013-08-11 22:42:00	-8	2013-08-11 11:42:00	2013-08-11 15:42:00	32.91452	-140.31673
POBORNH	200 53	13	BONGO	BONGO END	2013-08-11 23:03:00	-8	2013-08-11 11:03:00	2013-08-11 15:03:00	32.91450	-140.31670
POBORNH	201 53	1	BOAT	SMALL BOAT RECOVER	2013-08-11 23:47:00	-8	2013-08-11 11:47:00	2013-08-11 16:47:00	32.91998	-140.31882
POBORNH	202 53	13	BONGO	BONGO START	2013-08-11 23:59:00	-8	2013-08-11 11:59:00	2013-08-11 17:59:00	32.91925	-140.31925
POBORNH	203 53	9	MIDTRAWL	MIDWATER TRAWL END	2013-08-12 02:15:00	-8	2013-08-11 18:15:00	2013-08-11 19:15:00	32.86763	-140.32905
POBORNH	204 53	54	MANTA	MANTA START	2013-08-12 02:53:00	-8	2013-08-11 18:53:00	2013-08-11 19:53:00	32.90913	-140.29350
POBORNH	205 53	54	MANTA	MANTA END	2013-08-12 03:00:00	-8	2013-08-11 19:00:00	2013-08-11 20:00:00	32.91013	-140.29825
POBORNH	206 53	55	MANTA	MANTA START	2013-08-12 03:13:00	-8	2013-08-11 19:13:00	2013-08-11 20:13:00	32.91175	-140.30000
POBORNH	207 53	54	MANTA	MANTA END	2013-08-12 03:28:00	-8	2013-08-11 19:28:00	2013-08-11 20:28:00	32.91072	-140.30560
POBORNH	208 53	14	BONGO	BONGO START	2013-08-12 03:38:00	-8	2013-08-11 19:38:00	2013-08-11 20:38:00	32.91892	-140.30998
POBORNH	209 53	14	BONGO	BONGO END	2013-08-12 04:59:00	-8	2013-08-11 20:59:00	2013-08-11 20:59:00	32.92025	-140.31055
POBORNH	210 53	10	MIDTRAWL	MIDWATER TRAWL START	2013-08-12 04:22:00	-8	2013-08-11 20:22:00	2013-08-11 21:22:00	32.92487	-140.30190
POBORNH	211 53	10	MIDTRAWL	MIDWATER TRAWL END	2013-08-12 06:40:00	-8	2013-08-11 22:40:00	2013-08-11 23:40:00	32.85380	-140.29882
POBORNH	212 53	15	BONGO	BONGO START	2013-08-12 08:05:00	-8	2013-08-12 08:05:00	2013-08-12 08:05:00	32.91053	-140.30437
POBORNH	213 53	15	BONGO	BONGO END	2013-08-12 08:27:00	-8	2013-08-12 08:27:00	2013-08-12 08:27:00	32.90507	-140.29575
POBORNH	214 53	16	BONGO	BONGO START	2013-08-12 08:34:00	-8	2013-08-12 08:34:00	2013-08-12 08:34:00	32.90845	-140.29787
POBORNH	215 53	16	BONGO	BONGO END	2013-08-12 08:56:00	-8	2013-08-12 08:56:00	2013-08-12 08:56:00	32.89790	-140.28373
POBORNH	216 53	11	MIDTRAWL	MIDWATER TRAWL START	2013-08-12 09:28:00	-8	2013-08-12 09:28:00	2013-08-12 09:28:00	32.88848	-140.28424
POBORNH	217 53	11	MIDTRAWL	MIDWATER TRAWL END	2013-08-12 10:26:00	-8	2013-08-12 02:26:00	2013-08-12 03:26:00	32.85157	-140.22880
POBORNH	218 53	15	CTD	CTD START	2013-08-12 11:24:00	-8	2013-08-12 03:24:00	2013-08-12 04:24:00	32.91494	-140.32005
POBORNH	219 53	15	CTD	CTD END	2013-08-12 12:02:00	-8	2013-08-12 04:02:00	2013-08-12 05:02:00	32.91080	-140.30995
POBORNH	220 53	15	CTD	CTD END	2013-08-12 12:13:00	-8	2013-08-12 04:13:00	2013-08-12 05:13:00	32.90813	-140.30703
POBORNH	221 53	56	MANTA	MANTA END	2013-08-12 12:28:00	-8	2013-08-12 04:28:00	2013-08-12 05:28:00	32.90217	-140.30343
POBORNH	222 53	57	MANTA	MANTA START	2013-08-12 12:35:00	-8	2013-08-12 04:35:00	2013-08-12 05:35:00	32.89943	-140.29758
POBORNH	223 53	57	MANTA	MANTA END	2013-08-12 12:50:00	-8	2013-08-12 04:50:00	2013-08-12 05:50:00	32.89920	-140.29147
POBORNH	224 53	12	MIDTRAWL	MIDWATER TRAWL START	2013-08-12 13:09:00	-8	2013-08-12 05:09:00	2013-08-12 06:09:00	32.89833	-140.29150
POBORNH	225 53	12	MIDTRAWL	MIDWATER TRAWL END	2013-08-12 15:35:00	-8	2013-08-12 07:35:00	2013-08-12 08:35:00	32.89838	-140.27953
POBORNH	226 53	58	MANTA	MANTA START	2013-08-12 16:21:00	-8	2013-08-12 08:21:00	2013-08-12 09:21:00	32.89895	-140.30568
POBORNH	227 53	58	MANTA	MANTA END	2013-08-12 16:36:00	-8	2013-08-12 08:36:00	2013-08-12 09:36:00	32.89895	-140.30568
POBORNH	228 53	59	MANTA	MANTA START	2013-08-12 16:41:00	-8	2013-08-12 08:41:00	2013-08-12 09:41:00	32.89913	-140.31138
POBORNH	229 53	59	MANTA	MANTA END	2013-08-12 16:57:00	-8	2013-08-12 08:57:00	2013-08-12 09:57:00	32.89972	-140.31732
POBORNH	230 53	60	MANTA	MANTA START	2013-08-12 17:02:00	-8	2013-08-12 09:02:00	2013-08-12 10:02:00	32.89967	-140.31892
POBORNH	231 53	60	MANTA	MANTA END	2013-08-12 17:18:00	-8	2013-08-12 09:18:00	2013-08-12 10:18:00	32.90028	-140.32445
POBORNH	232 53	16	CTD	CTD END	2013-08-12 17:44:00	-8	2013-08-12 09:44:00	2013-08-12 10:44:00	32.90110	-140.32910
POBORNH	233 53	15	CTD	CTD END	2013-08-12 18:30:00	-8	2013-08-12 11:30:00	2013-08-12 11:30:00	32.89918	-140.31218
POBORNH	234 53	2	BOAT	SMALL BOAT LAUNCH	2013-08-12 19:00:00	-8	2013-08-12 11:00:00	2013-08-12 12:00:00	32.90000	-140.31440
POBORNH	235 53	17	BONGO	BONGO START	2013-08-12 19:14:00	-8	2013-08-12 11:14:00	2013-08-12 12:14:00	32.90075	-140.31658
POBORNH	236 53	17	BONGO	BONGO END	2013-08-12 19:36:00	-8	2013-08-12 11:36:00	2013-08-12 12:36:00	32.90100	-140.31658
POBORNH	237 53	18	BONGO	BONGO START	2013-08-12 19:43:00	-8	2013-08-12 11:43:00	2013-08-12 12:43:00	32.91825	-140.33688
POBORNH	238 53	18	BONGO	BONGO END	2013-08-12 20:05:00	-8	2013-08-12 12:05:00	2013-08-12 13:05:00	32.92683	-140.34482
POBORNH	239 53	229	MANTA	MANTA START	2013-08-12 20:17:00	-8	2013-08-12 12:17:00	2013-08-12 13:17:00	32.92678	-140.34337
POBORNH	240 53	61	MANTA	MANTA END	2013-08-12 20:32:00	-8	2013-08-12 12:32:00	2013-08-12 13:32:00	32.92678	-140.34337
POBORNH	241 53	61	MANTA	MANTA START	2013-08-12 20:36:00	-8	2013-08-12 12:36:00	2013-08-12 13:36:00	32.92678	-140.34337
POBORNH	242 53	62	MANTA	MANTA END	2013-08-12 20:52:00	-8	2013-08-12 12:52:00	2013-08-12 13:52:00	32.92790	-140.34068
POBORNH	243 53	63	MANTA	MANTA START	2013-08-12 20:57:00	-8	2013-08-12 12:57:00	2013-08-12 13:57:00	32.92790	-140.34068
POBORNH	244 53	63	MANTA	MANTA END	2013-08-12 21:13:00	-8	2013-08-12 13:13:00	2013-08-12 14:13:00	32.92022	-140.31740
POBORNH	245 53	17	CTD	CTD START	2013-08-12 21:30:00	-8	2013-08-12 13:30:00	2013-08-12 14:30:00	32.91933	-140.31424
POBORNH	246 53	17	CTD	CTD END	2013-08-12 22:30:00	-8	2013-08-12 14:30:00	2013-08-12 15:30:00	32.91648	-140.30998
POBORNH	248 53	11	ACQUSTIC	ACQUSTIC ARRAY DEPLOY	2013-08-12 23:26:00	-8	2013-08-12 15:26:00	2013-08-12 16:26:00	32.99358	-140.27993
POBORNH	249 53	11	ACQUSTIC	ACQUSTIC ARRAY RECOVER	2013-08-12 03:57:00	-8	2013-08-12 19:57:00	2013-08-12 20:57:00	32.61615	-140.68788
POBORNH	250	Kaisei	ANCILLARY	Kaisei Retrieval	2013-08-13 04:30:00	-8	2013-08-12 20:30:00	2013-08-12 21:30:00	33.62128	-139.79700
POBORNH	251 130	64	MANTA	MANTA START	2013-08-13 05:58:00	-8	2013-08-12 21:58:00	2013-08-12 22:58:00	33.62128	-139.79700
POBORNH	252 130	64	MANTA	MANTA END	2013-08-13 06:13:00	-8	2013-08-12 22:13:00	2013-08-12 23:13:00	33.63248	-139.79700
POBORNH	253 130	65	MANTA	MANTA START	2013-08-13 07:07:00	-8	2013-08-12 23:07:00	2013-08-13 00:07:00	33.71440	-139.85770
POBORNH	254 130	65	MANTA	MANTA END	2013-08-13 07:22:00	-8	2013-08-12 23:22:00	2013-08-13 00:22:00	33.71212	-139.85632
POBORNH	255 130	66	MANTA	MANTA START	2013-08-13 10:03:00	-8	2013-08-13 02:03:00	2013-08-13 03:03:00	34.09700	-139.82990
POBORNH	256 130	66	MANTA	MANTA END	2013-08-13 10:10:00	-8	2013-08-13 02:10:00	2013-08-13 03:10:00	34.10040	-139.82917
POBORNH	257 130	18	CTD	CTD START	2013-08-13 10:30:00	-8	2013-08-13 02:30:00	2013-08-13 03:30:00	34.10225	-139.83620
POBORNH	258 130	18	CTD	CTD END	2013-08-13 11:05:00	-8	2013-08-13 03:05:00	2013-08-13 04:05:00	34.10225	-139.83620
POBORNH	259 130	67	MANTA	MANTA START	2013-08-13 11:03:00	-8	2013-08-13 03:03:00	2013-08-13 04:03:00	34.38537	-139.85425
POBORNH	260 130	67	MANTA	MANTA END	2013-08-13 11:13:00	-8	2013-08-13 03:13:00	2013-08-13 04:13:00	34.38565	-139.85605
POBORNH	261 130	68	MANTA	MANTA START	2013-08-13 16:03:00	-8	2013-08-13 08:03:00	2013-08-13 09:03:00	34.81363	-139.97943
POBORNH	262 130	68	MANTA	MANTA END	2013-08-13 16:16:00	-8	2013-08-13 08:16:00	2013-08-13 09:16:00	34.81363	-139.97943
POBORNH	263 130	69	MANTA	MANTA START	2013-08-13 19:04:00	-8	2013-08-13 11:04:00	2013-08-13 12:04:00	35.28250	-139.95260
POBORNH	264 130	69	MANTA	MANTA END	2013-08-13 19:19:00	-8	2013-08-13 11:19:00	2013-08-13 12:19:00	35.23348	-139.92433
POBORNH	265 130	12	ACQUSTIC	ACQUSTIC ARRAY DEPLOY	2013-08-13 21:50:00	-8	2013-08-13 13:50:00	2013-08-13 14:50:00	35.60133	-139.97350
POBORNH	266 130	12	ACQUSTIC	ACQUSTIC ARRAY RECOVER	2013-08-13 22:02:00	-8	2013-08-13 14:02:00	2013-08-13 15:02:00	35.61638	-139.97350
POBORNH	268 130	70	MANTA	MANTA START	2013-08-13 22:17:00	-8	2013-08-13 14:17:00	2013-08-13 15:17:00	35.62255	-139.97818
POBORNH	269 130	70	MANTA	MANTA END	2013-08-13 22:02:00	-8	2013-08-13 14:02:00	2013-08-13 15:02:00	35.71408	-139.97818
POBORNH	270 61.1	71	MANTA	MANTA END	2013-08-13 23:17:00	-8	2013-08-13 15:17:00	2013-08-13 16:17:00	35.71900	-139.98708
POBORNH	271 61.1	17	CTD	CTD START	2013-08-13 23:31:00	-8	2013-08-13 15:31:00	2013-08-13 16:31:00	35.68810	-139.98708
POBORNH	272 61.1	17	CTD	CTD END	2013-08-14 00:15:00	-8	2013-08-13 16:15:00	2013-08-13 17:15:00	35.72710	-139.99592
POBORNH	273 61.1	72	MANTA	MANTA START	2013-08-14 01:01:00	-8	2013-08-13 17:01:00	2013-08-13 18:01:00	35.80552	-139.98633
POBORNH	274 61.1	72	MANTA	MANTA END	2013-08-14 01:16:00	-8	2013-08-13 17:16:00	2013-08-13 18:16:00	35.82081	-139.98445
POBORNH	275 61.1	73	MANTA	MANTA START	2013-08-14 02:01:00	-8	2013-08-13 18:01:00	2013-08-13 19:01:00		

POSOBNH	385 L2.3	107 MANTA	MANTA END	2013-08-16 20:24:00	-8	2013-08-16 12:24:00	2013-08-16 13:24:00	34.06715	-141.62072	1
POSOBNH	386 L2.4	108 MANTA	MANTA START	2013-08-16 20:28:00	-8	2013-08-16 12:28:00	2013-08-16 13:28:00	34.06737	-141.62123	1
POSOBNH	387 L2.4	108 MANTA	MANTA END	2013-08-16 20:43:00	-8	2013-08-16 12:43:00	2013-08-16 13:43:00	34.06652	-141.62968	1
POSOBNH	388 L2.5	109 MANTA	MANTA START	2013-08-16 20:47:00	-8	2013-08-16 12:47:00	2013-08-16 13:47:00	34.06677	-141.63188	1
POSOBNH	389 L2.5	109 MANTA	MANTA END	2013-08-16 21:02:00	-8	2013-08-16 13:02:00	2013-08-16 14:02:00	34.06985	-141.63852	1
POSOBNH	390 L3.1	4 BOAT	SMALL BOAT LAUNCH	2013-08-16 22:22:00	-8	2013-08-16 14:22:00	2013-08-16 15:22:00	34.06460	-141.80952	1
POSOBNH	391 L3.1	110 MANTA	MANTA START	2013-08-16 22:36:00	-8	2013-08-16 14:36:00	2013-08-16 15:36:00	34.06484	-141.81255	1
POSOBNH	392 L3.1	110 MANTA	MANTA END	2013-08-16 22:51:00	-8	2013-08-16 14:51:00	2013-08-16 15:51:00	34.06493	-141.81193	1
POSOBNH	393 L3.2	111 MANTA	MANTA START	2013-08-16 22:54:00	-8	2013-08-16 14:54:00	2013-08-16 15:54:00	34.06503	-141.81243	1
POSOBNH	394 L3.2	111 MANTA	MANTA END	2013-08-16 23:09:00	-8	2013-08-16 15:09:00	2013-08-16 16:09:00	34.06517	-141.82870	1
POSOBNH	395 L3.3	112 MANTA	MANTA START	2013-08-16 23:12:00	-8	2013-08-16 15:12:00	2013-08-16 16:12:00	34.06515	-141.83020	1
POSOBNH	396 L3.3	112 MANTA	MANTA END	2013-08-16 23:27:00	-8	2013-08-16 15:27:00	2013-08-16 16:27:00	34.06508	-141.83722	1
POSOBNH	397 L3.4	113 MANTA	MANTA START	2013-08-16 23:30:00	-8	2013-08-16 15:30:00	2013-08-16 16:30:00	34.06510	-141.83887	1
POSOBNH	398 L3.4	113 MANTA	MANTA END	2013-08-16 23:45:00	-8	2013-08-16 15:45:00	2013-08-16 16:45:00	34.06503	-141.84663	1
POSOBNH	399 L3.5	114 MANTA	MANTA START	2013-08-16 23:48:00	-8	2013-08-16 15:48:00	2013-08-16 16:48:00	34.06502	-141.84663	1
POSOBNH	400 L3.5	114 MANTA	MANTA END	2013-08-17 00:03:00	-8	2013-08-16 16:03:00	2013-08-16 17:03:00	34.06497	-141.85405	1
POSOBNH	401 L3.5	4 BOAT	SMALL BOAT RECOVER	2013-08-17 00:08:00	-8	2013-08-16 16:08:00	2013-08-16 17:08:00	34.06495	-141.85625	1
POSOBNH	402 L4.1	115 MANTA	MANTA START	2013-08-17 01:23:00	-8	2013-08-16 17:23:00	2013-08-16 18:23:00	34.05505	-142.03520	1
POSOBNH	403 L4.1	115 MANTA	MANTA END	2013-08-17 01:38:00	-8	2013-08-16 17:38:00	2013-08-16 18:38:00	34.05537	-142.03197	1
POSOBNH	404 L4.2	116 MANTA	MANTA START	2013-08-17 01:43:00	-8	2013-08-16 17:43:00	2013-08-16 18:43:00	34.05495	-142.03405	1
POSOBNH	405 L4.2	116 MANTA	MANTA END	2013-08-17 01:58:00	-8	2013-08-16 17:58:00	2013-08-16 18:58:00	34.05523	-142.04082	1
POSOBNH	406 L4.3	117 MANTA	MANTA START	2013-08-17 02:01:00	-8	2013-08-16 18:01:00	2013-08-16 19:01:00	34.05293	-142.04217	1
POSOBNH	407 L4.3	117 MANTA	MANTA END	2013-08-17 02:16:00	-8	2013-08-16 18:16:00	2013-08-16 19:16:00	34.05315	-142.04883	1
POSOBNH	408 L4.4	118 MANTA	MANTA START	2013-08-17 02:20:00	-8	2013-08-16 18:20:00	2013-08-16 19:20:00	34.05088	-142.05022	1
POSOBNH	409 L4.4	118 MANTA	MANTA END	2013-08-17 02:35:00	-8	2013-08-16 18:35:00	2013-08-16 19:35:00	34.04882	-142.05692	1
POSOBNH	410 L4.5	119 MANTA	MANTA START	2013-08-17 02:38:00	-8	2013-08-16 18:38:00	2013-08-16 19:38:00	34.04817	-142.05883	1
POSOBNH	411 L4.5	119 MANTA	MANTA END	2013-08-17 02:53:00	-8	2013-08-16 18:53:00	2013-08-16 19:53:00	34.04600	-142.06593	1
POSOBNH	412 L4.5	120 MANTA	MANTA START	2013-08-17 03:00:00	-8	2013-08-16 19:00:00	2013-08-16 20:00:00	34.04440	-142.06713	1
POSOBNH	413 L4.5	120 MANTA	MANTA END	2013-08-17 03:15:00	-8	2013-08-16 19:15:00	2013-08-16 20:15:00	34.04395	-142.06665	1
POSOBNH	414 L4.6	121 MANTA	MANTA START	2013-08-17 03:20:00	-8	2013-08-16 19:20:00	2013-08-17 23:00:00	35.01603	-141.73810	1
POSOBNH	415 L4.6	121 MANTA	MANTA END	2013-08-17 10:15:00	-8	2013-08-17 02:15:00	2013-08-17 03:15:00	35.00458	-141.73228	1
POSOBNH	416 L4.6	28 CTD	CTD START	2013-08-17 10:25:00	-8	2013-08-17 02:25:00	2013-08-17 03:25:00	35.02205	-141.73078	1
POSOBNH	417 L4.6	28 CTD	CTD END	2013-08-17 11:10:00	-8	2013-08-17 03:10:00	2013-08-17 04:10:00	35.02842	-141.73320	1
POSOBNH	418 L4.6	112 MANTA	MANTA START	2013-08-17 16:04:00	-8	2013-08-17 08:04:00	2013-08-17 09:04:00	35.76357	-141.48825	1
POSOBNH	419 L4.1	112 MANTA	MANTA END	2013-08-17 16:19:00	-8	2013-08-17 08:19:00	2013-08-17 09:19:00	35.77015	-141.48873	1
POSOBNH	420 L4.1	15 ACQUSTIC	ACQUSTIC ARRAY DEPLOY	2013-08-17 16:25:00	-8	2013-08-17 08:25:00	2013-08-17 09:25:00	35.77200	-141.48700	1
POSOBNH	421 L4.2	15 ACQUSTIC	ACQUSTIC ARRAY RECOVER	2013-08-17 21:53:00	-8	2013-08-17 13:53:00	2013-08-17 14:53:00	36.60423	-141.20112	1
POSOBNH	422 L4.2	123 MANTA	MANTA START	2013-08-17 22:01:00	-8	2013-08-17 14:01:00	2013-08-17 15:01:00	36.61228	-141.19700	1
POSOBNH	423 L4.3	123 MANTA	MANTA END	2013-08-17 22:16:00	-8	2013-08-17 14:16:00	2013-08-17 15:16:00	36.61605	-141.19355	1
POSOBNH	424 L4.3	124 MANTA	MANTA START	2013-08-17 22:31:00	-8	2013-08-17 14:31:00	2013-08-17 15:31:00	36.61713	-141.19247	1
POSOBNH	425 L4.3	124 MANTA	MANTA END	2013-08-17 22:36:00	-8	2013-08-17 14:36:00	2013-08-17 15:36:00	36.62078	-141.18873	1
POSOBNH	426 L4.3	16 ACQUSTIC	ACQUSTIC ARRAY DEPLOY	2013-08-17 22:45:00	-8	2013-08-17 14:45:00	2013-08-17 15:45:00	36.63652	-141.18250	1
POSOBNH	427 L4.4	16 ACQUSTIC	ACQUSTIC ARRAY RECOVER	2013-08-18 01:30:00	-8	2013-08-17 17:30:00	2013-08-17 18:30:00	37.29713	-140.71255	1
POSOBNH	428 L4.4	125 MANTA	MANTA START	2013-08-18 04:03:00	-8	2013-08-17 20:03:00	2013-08-17 21:03:00	37.29713	-140.71255	1
POSOBNH	429 L4.4	125 MANTA	MANTA END	2013-08-18 04:19:00	-8	2013-08-17 20:19:00	2013-08-17 21:19:00	37.29368	-140.70555	1
POSOBNH	430 L4.5	126 MANTA	MANTA START	2013-08-18 09:59:00	-8	2013-08-18 01:59:00	2013-08-18 02:59:00	37.73585	-139.76740	1
POSOBNH	431 L4.5	126 MANTA	MANTA END	2013-08-18 10:14:00	-8	2013-08-18 02:14:00	2013-08-18 03:14:00	37.73828	-139.76313	1
POSOBNH	432 L4.5	29 CTD	CTD START	2013-08-18 10:30:00	-8	2013-08-18 02:30:00	2013-08-18 03:30:00	37.73975	-139.76153	1
POSOBNH	433 L4.5	29 CTD	CTD END	2013-08-18 11:05:00	-8	2013-08-18 03:05:00	2013-08-18 04:05:00	37.74577	-139.75305	1
POSOBNH	434 L4.6	127 MANTA	MANTA START	2013-08-18 16:04:00	-8	2013-08-18 08:04:00	2013-08-18 09:04:00	38.11003	-138.93300	1
POSOBNH	435 L4.6	127 MANTA	MANTA END	2013-08-18 16:19:00	-8	2013-08-18 08:19:00	2013-08-18 09:19:00	38.12092	-138.92558	1
POSOBNH	436 L4.6	17 ACQUSTIC	ACQUSTIC ARRAY DEPLOY	2013-08-18 16:32:00	-8	2013-08-18 08:32:00	2013-08-18 09:32:00	38.12368	-138.90443	1
POSOBNH	437 L4.6	17 ACQUSTIC	ACQUSTIC ARRAY RECOVER	2013-08-18 21:59:00	-8	2013-08-18 13:59:00	2013-08-18 14:59:00	38.57053	-137.95792	1
POSOBNH	438 L4.7	128 MANTA	MANTA START	2013-08-18 22:04:00	-8	2013-08-18 14:04:00	2013-08-18 15:04:00	38.57272	-137.95695	1
POSOBNH	439 L4.7	128 MANTA	MANTA END	2013-08-18 22:19:00	-8	2013-08-18 14:19:00	2013-08-18 15:19:00	38.57896	-137.95717	1
POSOBNH	440 L4.7	18 ACQUSTIC	ACQUSTIC ARRAY DEPLOY	2013-08-18 22:30:00	-8	2013-08-18 14:30:00	2013-08-18 15:30:00	38.59347	-137.95682	1
POSOBNH	441 L4.7	18 ACQUSTIC	ACQUSTIC ARRAY RECOVER	2013-08-19 02:40:00	-8	2013-08-18 18:40:00	2013-08-18 19:40:00	38.89632	-137.21663	1
POSOBNH	442 L4.8	129 MANTA	MANTA START	2013-08-19 04:03:00	-8	2013-08-18 20:03:00	2013-08-18 21:03:00	38.99820	-137.00955	1
POSOBNH	443 L4.8	129 MANTA	MANTA END	2013-08-19 04:19:00	-8	2013-08-18 20:19:00	2013-08-18 21:19:00	39.00280	-137.00572	1
POSOBNH	444 L4.9	130 MANTA	MANTA START	2013-08-19 10:04:00	-8	2013-08-19 02:04:00	2013-08-19 03:04:00	39.38895	-136.12127	1
POSOBNH	445 L4.9	130 MANTA	MANTA END	2013-08-19 10:19:00	-8	2013-08-19 02:19:00	2013-08-19 03:19:00	39.39397	-136.12172	1
POSOBNH	446 L4.9	30 CTD	CTD START	2013-08-19 10:27:00	-8	2013-08-19 02:27:00	2013-08-19 03:27:00	39.39527	-136.12213	1
POSOBNH	447 L4.9	30 CTD	CTD END	2013-08-19 11:10:00	-8	2013-08-19 03:10:00	2013-08-19 04:10:00	39.40218	-136.04342	1
POSOBNH	448 A.7	19 ACQUSTIC	ACQUSTIC ARRAY DEPLOY	2013-08-19 21:39:00	-8	2013-08-19 13:39:00	2013-08-19 14:39:00	40.12253	-134.48480	1
POSOBNH	449 A.7	19 ACQUSTIC	ACQUSTIC ARRAY RECOVER	2013-08-21 03:06:00	-8	2013-08-20 19:06:00	2013-08-20 20:06:00	42.27623	-129.59240	1
POSOBNH	450 L5.0	131 MANTA	MANTA START	2013-08-21 04:03:00	-8	2013-08-20 20:03:00	2013-08-20 21:03:00	42.35038	-129.42092	1
POSOBNH	451 L5.0	131 MANTA	MANTA END	2013-08-21 04:18:00	-8	2013-08-20 20:18:00	2013-08-20 21:18:00	42.35155	-129.42005	1
POSOBNH	452 L5.1	132 MANTA	MANTA START	2013-08-21 10:06:00	-8	2013-08-21 02:06:00	2013-08-21 03:06:00	42.79687	-128.38583	1
POSOBNH	453 L5.1	132 MANTA	MANTA END	2013-08-21 10:21:00	-8	2013-08-21 02:21:00	2013-08-21 03:21:00	42.79675	-128.39007	1
POSOBNH	454 L5.1	31 CTD	CTD START	2013-08-21 10:29:00	-8	2013-08-21 02:29:00	2013-08-21 03:29:00	42.79633	-128.39508	1
POSOBNH	455 L5.1	31 CTD	CTD END	2013-08-21 11:11:00	-8	2013-08-21 03:11:00	2013-08-21 04:11:00	42.79177	-128.40797	1
POSOBNH	456 DR	2 DRIFTER	DRIFTER DEPLOY	2013-08-21 15:40:00	-8	2013-08-21 07:40:00	2013-08-21 08:40:00	43.12608	-127.61798	1
POSOBNH	457 DR	1 DRIFTER	DRIFTER DEPLOY	2013-08-21 15:42:00	-8	2013-08-21 07:42:00	2013-08-21 08:42:00	43.13152	-127.60508	1
POSOBNH	458	ACQUSTIC	ACQUSTIC ARRAY RECOVER	2013-08-22 02:35:00	-8	2013-08-21 18:35:00	2013-08-21 19:35:00	43.96198	-125.65417	1
POSOBNH	459 Newport_OR	AREVAL	Docking Newport_OR	2013-08-22 15:03:00	-8	2013-08-22 07:03:00	2013-08-22 08:03:00	44.62058	-124.94448	1

outreach

outreach

time interpolated post-cruise

arbitrarily calling last 'Gyre' manta for quick plot purposes

blue-eyed amphipods abundant

drifter marked #2

drifter marked #1