

Cruise name	Event Number	Event Grouping	Cast Number	Activity	Event Name	Datetime	GMT offset to ST	DatetimelocalST (zalc)	Datetime PDT (zalc)	Latitude	Longitude	Line	Station	Operator	Notes	Upload column	
PBL01W	0.5	Departure		DEPARTURE	EVENT NAME BEGIN	2008-09-30 14:00:00	-	2008-09-30 14:00:00	2008-09-30 14:00:00	-117.23070	121.23070			KB	0.5 ship post cruise; J.C.		
PBL01W	1	Transit		ANALOGY	START MISS EVENT	2008-09-30 21:07:15	-7	2008-09-30 21:07:15	2008-09-30 21:07:15	-118.54421	92.1	42.8	EW	CS	Before; Day; Moderate		
PBL01W	2	Transit		END MISS EVENT	STOPPED TRACKING	2008-09-30 22:04:38	-7	2008-09-30 22:04:38	2008-09-30 22:04:38	-118.54421	92.1	42.8	MJ	CS	Before; Moderate; Day		
PBL01W	3	Transit		CTD	CTD DEPLOYED	2008-09-30 22:02:44	-7	2008-09-30 22:02:44	2008-09-30 22:02:44	-118.54422	92.1	42.8	MJ	CS	Before; Moderate; Day		
PBL01W	4	Transit		CTD	CTD DEPLOYED	2008-09-30 22:13:51	-7	2008-09-30 22:13:51	2008-09-30 22:13:51	-118.54422	92.1	42.8	MJ	CS	Before; Moderate; Day		
PBL01W	5	Transit		CTD	CTD DEPLOYED	2008-09-30 22:02:57	-7	2008-09-30 22:02:57	2008-09-30 22:02:57	-118.54420	92.1	42.8	EW	CS	Before; Moderate; Day		
PBL01W	6	Transit		TRUNCATED	TNC GOBLG BOTTLECAST	2008-09-30 21:14:35	-7	2008-09-30 21:14:35	2008-09-30 21:14:35	-118.54423	92.1	42.8	EW	CS	Event 6 returned		
PBL01W	7	Transit		DRIFTARRAR	DRIFTARRAR DEPLOYED	2008-09-30 21:32:48	-7	2008-09-30 21:32:48	2008-09-30 21:32:48	-118.54422	92.1	42.8	MJ	CS	Before; Moderate; Day (16:41 deploy time in MVP log)		
PBL01W	9	Transit		TMCCAST	TNC GOBLG BOTTLECAST	2008-09-30 21:39:31	-7	2008-09-30 21:39:31	2008-09-30 21:39:31	-118.54421	92.1	42.8	EW	CS	(18:41 recover time in MVP log)		
PBL01W	10	Transit		MVP	MVP DEPLOYED	2008-09-30 21:41:59	-7	2008-09-30 21:41:59	2008-09-30 21:41:59	-118.88989	91.1	46.1	CS	CS	Calm; Night		
PBL01W	11	Transit		MVP	MVP RECOVERED	2008-10-01 02:08:02	-7	2008-10-01 02:08:02	2008-10-01 02:08:02	-118.83880	91.4	45.9	EW	CS	Calm; Night		
PBL01W	12	Transit		GOZEKI	GOZEKI TRAWL DEPLOYED	2008-10-01 03:13:23	-7	2008-10-01 03:13:23	2008-10-01 03:13:23	-118.84899	91.1	46.1	CS	CS	Calm; Night		
PBL01W	13	Transit		GOZEKI	GOZEKI TRAWL DEPLOYED	2008-10-01 03:24:46	-7	2008-10-01 03:24:46	2008-10-01 03:24:46	-118.85277	91.1	46.1	CS	CS	Calm; Night; Trawl @ 350M		
PBL01W	14	Transit		GOZEKI	GOZEKI TRAWL RECOVERED	2008-10-01 04:03:15	-7	2008-10-01 04:03:15	2008-10-01 04:03:15	-118.88989	91.1	46.1	CS	CS	Calm; Night		
PBL01W	15	Transit		MOC	MOONSNSS DEPLOYED	2008-10-01 04:08:00	-7	2008-10-01 04:08:00	2008-10-01 04:08:00	-118.81900	91.2	46.7	CS	CS	Calm; Night		
PBL01W	19	Transit		MOC	MOONSNSS RECOVERED	2008-10-01 05:55:16	-7	2008-10-01 05:55:16	2008-10-01 05:55:16	-118.94629	91.1	47.1	CS	CS	Calm; Night		
PBL01W	21	Cycle 0		MVP	MVP DEPLOYED	2008-10-02 01:58:10	-7	2008-10-02 01:58:10	2008-10-02 01:58:10	-122.70141	98.8				Bowie 1		
PBL01W	21	Cycle 1		MVP	MVP RECOVERED	2008-10-02 05:55:27	-7	2008-10-02 05:55:27	2008-10-02 05:55:27	-124.09826	80.2	103.2	CS	CS	Calm; Night; Bowie 2		
PBL01W	22	Cycle 0		MVP	MVP DEPLOYED	2008-10-02 06:10:25	-7	2008-10-02 06:10:25	2008-10-02 06:10:25	-124.09753	80.3	103.4	CS	CS	Calm; Night		
PBL01W	22	Cycle 1		MVP	MVP RECOVERED	2008-10-02 07:25:42	-7	2008-10-02 07:25:42	2008-10-02 07:25:42	-124.02012	80.1	103.1	CS	CS	Calm; Night		
PBL01W	19	Cycle 0		CTD	CTD DEPLOYED	2008-10-02 08:58:11	-7	2008-10-02 08:58:11	2008-10-02 08:58:11	-124.00236	80.5	102.4	MJ	CS	During; Calm; Night		
PBL01W	26	Cycle 2		CTD	CTD AT DEPTH	2008-10-02 09:18:40	-7	2008-10-02 09:18:40	2008-10-02 09:18:40	-124.00236	80.5	102.4	MJ	CS	During; Calm; Night		
PBL01W	27	Cycle 0		CTD	CTD RECOVERED	2008-10-02 09:58:53	-7	2008-10-02 09:58:53	2008-10-02 09:58:53	-124.00237	80.5	102.4	MJ	CS	Night; Calm; Night		
PBL01W	28	Cycle 1		SEDPTRAP	SEDPTRAP TRAP DEPLOYED	2008-10-02 12:05:30	-7	2008-10-02 12:05:30	2008-10-02 12:05:30	-124.00317	80.5	102.4	MJ	CS	During; Moderate; Night		
PBL01W	33	Cycle 0		CTD	CTD DEPLOYED	2008-10-02 12:20:27	-7	2008-10-02 12:20:27	2008-10-02 12:20:27	-124.00986	80.5	102.4	CS	CS	removed events # 29		
PBL01W	38	Cycle 0		CTD	CTD AT DEPTH	2008-10-02 12:40:46	-7	2008-10-02 12:40:46	2008-10-02 12:40:46	-124.00635	80.5	102.5	CS	CS	During; Calm; Night; removed events # 34, # 36		
PBL01W	42	Cycle 3		CTD	CTD RECOVERED	2008-10-02 13:26:37	-7	2008-10-02 13:26:37	2008-10-02 13:26:37	-124.01047	80.6	102.6	CS	CS	During; Calm; Night; removed events # 39, # 41		
PBL01W	43	Cycle 0		SEDPTRAP	SEDPTRAP TRAP RECOVERED	2008-10-02 14:31:33	-7	2008-10-02 14:31:33	2008-10-02 14:31:33	-124.00976			CC	CC	After; Calm; Day		
PBL01W	46	Transit		MVP	MVP DEPLOYED	2008-10-02 18:23:49	-7	2008-10-02 18:23:49	2008-10-02 18:23:49	-123.79373	121.83115	80.3	99.4	CS	CS	During; Day; removed 44	
PBL01W	47	Transit		MVP	MVP RECOVERED	2008-10-03 02:32:42	-7	2008-10-03 02:32:42	2008-10-03 02:32:42	-121.06749	80.6	59.8	MJ	CS	Night; Moderate		
PBL01W	48	Transit		CTD	CTD DEPLOYED	2008-10-03 07:45:49	-7	2008-10-03 07:45:49	2008-10-03 07:45:49	-121.05550	80.6	59.7	MJ	CS	During; Moderate; Night		
PBL01W	49	Cycle 1		CTD	CTD AT DEPTH	2008-10-03 08:05:11	-7	2008-10-03 08:05:11	2008-10-03 08:05:11	-124.06037	80.3	103.1	CS	CS	During; Moderate; Night		
PBL01W	50	Cycle 1		CTD	CTD RECOVERED	2008-10-03 08:30:34	-7	2008-10-03 08:30:34	2008-10-03 08:30:34	-121.06160	80.6	59.7	MJ	CS	Night; Moderate		
PBL01W	51	Cycle 0		BONGS	BONGS DEPLOYED	2008-10-03 08:51:37	-7	2008-10-03 08:51:37	2008-10-03 08:51:37	-121.06560	80.6	59.8	MJ	CS	Night; Moderate		
PBL01W	52	Cycle 0		BONGS	BONGS LINE RECOVERED	2008-10-03 09:15:45	-7	2008-10-03 09:15:45	2008-10-03 09:15:45	-121.06562	80.6	59.8	MJ	CS	Night; Moderate		
PBL01W	53	Cycle 1		BONGS	BONGS LINE RECOVERED	2008-10-03 09:16:50	-7	2008-10-03 09:16:50	2008-10-03 09:16:50	-121.07692	80.5	59.9	MJ	CS	Night; Moderate		
PBL01W	54	Cycle 1		MVP	MVP DEPLOYED	2008-10-03 09:27:08	-7	2008-10-03 09:27:08	2008-10-03 09:27:08	-121.07119	80.5	59.9	CS	CS	Night; Moderate		
PBL01W	55	Cycle 1		MVP	MVP RECOVERED	2008-10-03 12:05:28	-7	2008-10-03 12:05:28	2008-10-03 12:05:28	-120.52831	80.7	52.2	CS	CS	During; Moderate; Night		
PBL01W	55.3	Cycle 1		ECHO	ECHO SOUNDER BEGIN	2008-10-03 12:20:00	-7	2008-10-03 12:20:00	2008-10-03 12:20:00	-120.97027			JC	JC	Added post cruise; J.C.		
PBL01W	55.5	Cycle 1		MVP	MVP RECOVERED	2008-10-03 10:15:37	-7	2008-10-03 10:15:37	2008-10-03 10:15:37	-120.79943	80.8	56.2	MJ	CS	During; Moderate; Night		
PBL01W	59	Cycle 1		MVP	MVP RECOVERED	2008-10-03 12:21:59	-7	2008-10-03 12:21:59	2008-10-03 12:21:59	-120.78006	80.6	58.2	CS	CS	During; Moderate; Day; Bowie 2		
PBL01W	60	Cycle 1		CTD	CTD DEPLOYED	2008-10-04 04:21:01	-7	2008-10-04 04:21:01	2008-10-04 04:21:01	-120.96746	80.5	58.2	CS	CS	During; Calm; Night		
PBL01W	61	Cycle 1		CTD	CTD AT DEPTH	2008-10-04 04:38:17	-7	2008-10-04 04:38:17	2008-10-04 04:38:17	-120.96746	80.5	58.2	CS	CS	During; Calm; Night		
PBL01W	62	Cycle 1		CTD	CTD RECOVERED	2008-10-04 04:54:36	-7	2008-10-04 04:54:36	2008-10-04 04:54:36	-120.96616	80.5	58.2	CS	CS	CTD @ 200M		
PBL01W	63	Cycle 1		BONGS	BONGS DEPLOYED	2008-10-04 05:15:04	-7	2008-10-04 05:15:04	2008-10-04 05:15:04	-120.96834	80.5	58.2	CS	CS	During; Calm; Night		
PBL01W	64	Cycle 1		BONGS	BONGS LINE RECOVERED	2008-10-04 05:24:46	-7	2008-10-04 05:24:46	2008-10-04 05:24:46	-120.97197	80.5	58.3	CS	CS	During; Calm; Night		
PBL01W	65	Cycle 1		SEDPTRAP	SEDPTRAP TRAP DEPLOYED	2008-10-04 07:26:25	-7	2008-10-04 07:26:25	2008-10-04 07:26:25	-120.97086	80.5	58.2	MJ	CS	During; Calm; Night		
PBL01W	66	Cycle 1		SEDPTRAP	SEDPTRAP TRAP RECOVERED	2008-10-04 08:05:35	-7	2008-10-04 08:05:35	2008-10-04 08:05:35	-120.97086	80.5	58.2	MJ	CS	During; Calm; Night		
PBL01W	69	Cycle 1		CTD	CTD AT DEPTH	2008-10-04 08:55:25	-7	2008-10-04 08:55:25	2008-10-04 08:55:25	-120.97616	80.5	58.3	MJ	CS	During; Calm; Night		
PBL01W	70	Cycle 1		CTD	CTD RECOVERED	2008-10-04 09:30:05	-7	2008-10-04 09:30:05	2008-10-04 09:30:05	-120.97616	80.5	58.3	MJ	CS	During; Calm; Night		
PBL01W	71	Cycle 1		BONGS	BONGS LINE DEPLOYED	2008-10-04 09:40:45	-7	2008-10-04 09:40:45	2008-10-04 09:40:45	-121.05979	80.6	59.8	MJ	CS	During; Calm; Night		
PBL01W	73	Cycle 1		DRIFTARRAR	DRIFTARRAR DEPLOYED	2008-10-04 11:03:09	-7	2008-10-04 11:03:09	2008-10-04 11:03:09	-120.95909	80.5	58.1	CS	CS	erase previous event -During; Calm; Night		
PBL01W	74	Cycle 1		DRIFTARRAR	DRIFTARRAR RECOVERED	2008-10-04 11:31:13	-7	2008-10-04 11:31:13	2008-10-04 11:31:13	-120.95909	80.5	58.1	CS	CS	During; Calm; Night		
PBL01W	76	Cycle 1		CTD	CTD DEPLOYED	2008-10-04 11:28:27	-7	2008-10-04 11:28:27	2008-10-04 11:28:27	-120.95347	80.5	58.1	CS	CS	During; Calm; Night		
PBL01W	77	Cycle 1		CTD	CTD AT DEPTH	2008-10-04 11:48:25	-7	2008-10-04 11:48:25	2008-10-04 11:48:25	-120.95909	80.5	58.1	CS	CS	During; Calm; Night		
PBL01W	78	Cycle 1		CTD	CTD RECOVERED	2008-10-04 12:40:57	-7	2008-10-04 12:40:57	2008-10-04 12:40:57	-120.94587	80.5	57.9	CS	CS	During; Calm; Night		
PBL01W	79	Cycle 1		MVP	MVP DEPLOYED	2008-10-04 13:37:33	-7	2008-10-04 13:37:33	2008-10-04 13:37:33	-120.83856	80.6	56.6	CS	CS	During; Calm; Day; Bowie 3		
PBL01W	80	Cycle 1		MVP	MVP RECOVERED	2008-10-04 09:46:59	-7	2008-10-04 09:46:59	2008-10-04 09:46:59	-124.84254	80.6	60.6	CS	CS	During; Calm; Day; Bowie 3		
PBL01W	81	Cycle 1		BONGS	BONGS DEPLOYED	2008-10-04 10:47:41	-7	2008-10-04 10:47:41	2008-10-04 10:47:41	-120.90997	80.5	57.5	CS	CS	During; Calm; Day		
PBL01W	82																

ID	Year	Month	Day	Time	Event	Category	Priority	Comments
PBL010V	211	Cycle 1			BONGOLIVE BONGO LIVE RECOVERED	2008-10-08 04:42:57	0	
PBL010V	212	Cycle 2			BONGOLIVE BONGO LIVE DEPLOYED	2008-10-07 22:28:11	33.67680	59.8 CS
PBL010V	213	Cycle 1			BONGO BONGO RECOVERED	2008-10-08 05:52:57	0	
PBL010V	213.5	Cycle 1			TM PUMP BIOCHIM PUMP RECOVERED	2008-10-08 06:15:16	0	
PBL010V	214	Cycle 1			MCCS MOCNESS DEPLOYED	2008-10-08 07:08:24	0	
PBL010V	215	Cycle 1			MOC MOCNESS RECOVERED	2008-10-08 08:28:41	0	
PBL010V	216	Cycle 1	19		CTD CTD DEPTH	2008-10-08 09:26:42	0	
PBL010V	217	Cycle 1	19		CTD CTD DEPTH	2008-10-08 09:26:42	0	
PBL010V	218	Cycle 1	19		CTD CTD DEPTH	2008-10-08 10:11:47	0	
PBL010V	219	Cycle 1			BONGOLIVE BONGO LIVE DEPLOYED	2008-10-08 11:28:48	0	
PBL010V	220	Cycle 1			DRIFTARRAY DRIFTARRAY RECOVERED	2008-10-08 11:19:20	0	
PBL010V	221	Cycle 1			OZEKI OZEKI TRAWL DEPTH	2008-10-08 12:05:07	0	
PBL010V	222	Cycle 1			OZEKI OZEKI TRAWL AT DEPTH	2008-10-08 12:05:07	0	
PBL010V	223	Cycle 1			OZEKI OZEKI TRAWL RECOVERED	2008-10-08 13:18:02	0	
PBL010V	224	Cycle 1			SEDIRAP SEDIMENT TRAP RECOVERED	2008-10-08 15:06:22	0	
PBL010V	225	Cycle 1			MVP MVP DEPLOYED	2008-10-08 16:31:34	0	
PBL010V	226	Cycle 1			MVP MVP RECOVERED	2008-10-08 18:02:40	0	
PBL010V	228	Cycle 2			SEDIRAP SEDIMENT TRAP DEPLOYED	2008-10-09 08:50:16	0	
PBL010V	230	Cycle 2	20		CTD CTD DEPTH	2008-10-09 09:10:10	0	
PBL010V	240	Cycle 2	20		CTD CTD AT DEPTH	2008-10-09 09:39:18	0	
PBL010V	231	Cycle 2	20		CTD CTD RECOVERED	2008-10-09 09:59:24	0	
PBL010V	232	Cycle 2	20		DRIFTARRAY DRIFTARRAY RECOVERED	2008-10-09 09:27:18	0	
PBL010V	233	Cycle 2	21		CTD CTD DEPTH	2008-10-09 11:46:29	0	
PBL010V	234	Cycle 2	21		CTD CTD AT DEPTH	2008-10-09 12:36:31	0	
PBL010V	235	Cycle 2	21		CTD CTD DEPTH	2008-10-09 13:41:58	0	
PBL010V	236	Cycle 2			MVP MVP DEPLOYED	2008-10-09 16:53:32	0	
PBL010V	237	Cycle 2			MVP MVP RECOVERED	2008-10-09 17:16:53	0	
PBL010V	238	Cycle 2			BONGO BONGO DEPLOYED	2008-10-09 18:37:31	0	
PBL010V	239	Cycle 2			BONGO BONGO RECOVERED	2008-10-09 18:54:22	0	
PBL010V	240	Cycle 2			TM PUMP THORIUM PUMP DEPLOYED	2008-10-09 20:25:29	0	
PBL010V	241	Cycle 2			TM PUMP THORIUM PUMP RECOVERED	2008-10-10 01:51:21	0	
PBL010V	242	Cycle 2			BONGOLIVE BONGO LIVE DEPLOYED	2008-10-10 04:08:56	0	
PBL010V	243	Cycle 2			BONGOLIVE BONGO LIVE RECOVERED	2008-10-10 04:50:21	0	
PBL010V	248	Cycle 2	22		CTD DEPLOYED	2008-10-10 05:20:01	0	
PBL010V	249	Cycle 2	22		CTD CTD AT DEPTH	2008-10-10 09:41:26	0	
PBL010V	250	Cycle 2	22		CTD CTD RECOVERED	2008-10-10 10:12:16	0	
PBL010V	251	Cycle 2			DRIFTARRAY DRIFTARRAY RECOVERED	2008-10-10 10:19:20	0	
PBL010V	252	Cycle 2			DRIFTARRAY DRIFTARRAY RECOVERED	2008-10-10 12:26:42	0	
PBL010V	253	Cycle 2	23		CTD CTD AT DEPTH	2008-10-10 13:36:52	0	
PBL010V	254	Cycle 2	23		CTD CTD AT DEPTH	2008-10-10 15:48:13	0	
PBL010V	256	Cycle 2	23		CTD CTD RECOVERED	2008-10-10 16:25:42	0	
PBL010V	257	Cycle 2			TMCCAST TMC GOFLG BOTTLCAST	2008-10-10 11:02:40:49	0	
PBL010V	258	Cycle 2			BONGOLIVE BONGO LIVE DEPLOYED	2008-10-10 04:31:11	0	
PBL010V	260	Cycle 2			BONGOLIVE BONGO LIVE RECOVERED	2008-10-10 04:49:31	0	
PBL010V	261	Cycle 2			BONGOLIVE BONGO LIVE RECOVERED	2008-10-10 10:51:26	0	
PBL010V	263	Cycle 2	24		CTD CTD AT DEPTH	2008-10-10 12:27:23	0	
PBL010V	263	Cycle 2	24		CTD CTD DEPTH	2008-10-10 12:27:23	0	
PBL010V	264	Cycle 2	24		CTD CTD RECOVERED	2008-10-10 09:32:16	0	
PBL010V	265	Cycle 2			DRIFTARRAY DRIFTARRAY DEPLOYED	2008-10-11 01:27:10	0	
PBL010V	266	Cycle 2			DRIFTARRAY DRIFTARRAY DEPLOYED	2008-10-11 11:38:22	0	
PBL010V	267	Cycle 2			MVP MVP DEPLOYED	2008-10-11 08:59:01	0	
PBL010V	268	Cycle 2			MVP MVP RECOVERED	2008-10-11 16:48:30	0	
PBL010V	269	Cycle 2			BONGO BONGO DEPLOYED	2008-10-11 17:35:55	0	
PBL010V	270	Cycle 2			BONGO BONGO RECOVERED	2008-10-11 17:56:48	0	
PBL010V	271	Cycle 2			OPTICS OPTICS-PR DEPLOYED	2008-10-11 18:40:59	0	
PBL010V	272	Cycle 2	25		CTD DEPLOYED	2008-10-11 20:28:11	0	
PBL010V	273	Cycle 2	25		CTD CTD AT DEPTH	2008-10-11 19:50:29	0	
PBL010V	274	Cycle 2	25		CTD CTD RECOVERED	2008-10-11 21:19:29	0	
PBL010V	275	Cycle 2			OPTICS OPTICS-OP DEPLOYED	2008-10-11 20:31:09	0	
PBL010V	276	Cycle 2			MOC MOCNESS DEPLOYED	2008-10-11 22:22:55	0	
PBL010V	277	Cycle 2			MOC MOCNESS RECOVERED	2008-10-11 23:07:09	0	
PBL010V	278	Cycle 2	26		CTD CTD DEPTH	2008-10-12 01:02:43	0	
PBL010V	278.5	Cycle 2	26		CTD CTD DEPTH	2008-10-12 01:42:15	0	
PBL010V	279	Cycle 2	26		CTD CTD RECOVERED	2008-10-12 02:05:17	0	
PBL010V	280	Cycle 2			TMCCAST TMC GOFLG BOTTLCAST	2008-10-12 02:17:18	0	
PBL010V	281	Cycle 2			BONGOLIVE BONGO LIVE DEPLOYED	2008-10-12 02:25:14	0	
PBL010V	282	Cycle 2			BONGOLIVE BONGO LIVE RECOVERED	2008-10-12 04:01:44	0	
PBL010V	283	Cycle 2			BONGO BONGO DEPLOYED	2008-10-12 04:26:42	0	
PBL010V	284	Cycle 2			BONGO BONGO RECOVERED	2008-10-12 05:49:41	0	
PBL010V	285	Cycle 2			MOC MOCNESS DEPLOYED	2008-10-12 05:44:56	0	
PBL010V	286	Cycle 2			MOC MOCNESS RECOVERED	2008-10-12 06:27:06	0	
PBL010V	287	Cycle 2			OZEKI OZEKI TRAWL DEPLOYED	2008-10-12 08:14:41	0	
PBL010V	288	Cycle 2			OZEKI OZEKI TRAWL RECOVERED	2008-10-12 09:05:11	0	
PBL010V	289	Cycle 2			OZEKI OZEKI TRAWL RECOVERED	2008-10-12 08:59:55	0	
PBL010V	290	Cycle 2	27		CTD CTD DEPTH	2008-10-12 09:51:16	0	
PBL010V	291	Cycle 2	27		CTD CTD AT DEPTH	2008-10-12 10:14:37	0	
PBL010V	292	Cycle 2	27		CTD CTD RECOVERED	2008-10-12 10:41:37	0	
PBL010V	293	Cycle 2			TMCCAST TMC GOFLG BOTTLCAST	2008-10-12 10:54:01	0	
PBL010V	294	Cycle 2			DRIFTARRAY DRIFTARRAY RECOVERED	2008-10-12 12:28:30	0	
PBL010V	295	Cycle 2			DRIFTARRAY DRIFTARRAY RECOVERED	2008-10-12 13:11:31	0	
PBL010V	296	Cycle 2			TMCCAST TMC GOFLG BOTTLCAST	2008-10-12 12:27:43	0	
PBL010V	297	Cycle 2			MVP MVP DEPLOYED	2008-10-12 16:08:42	0	
PBL010V	298	Cycle 2			MVP MVP RECOVERED	2008-10-12 17:35:55	0	
PBL010V	299	Cycle 2			BONGO BONGO DEPLOYED	2008-10-12 17:41:31	0	
PBL010V	300	Cycle 2			BONGO BONGO RECOVERED	2008-10-12 18:07:17	0	
PBL010V	301	Cycle 2			OPTICS OPTICS-PR DEPLOYED	2008-10-12 18:27:27	0	
PBL010V	302	Cycle 2	28		CTD CTD DEPLOYED	2008-10-12 19:10:07	0	
PBL010V	303	Cycle 2	28		CTD CTD AT DEPTH	2008-10-12 21:28:47	0	
PBL010V	304	Cycle 2	28		CTD CTD RECOVERED	2008-10-12 20:20:46	0	
PBL010V	305	Cycle 2			OPTICS OPTICS-OP DEPLOYED	2008-10-12 22:05:18	0	
PBL010V	306	Cycle 2			OZEKI OZEKI TRAWL DEPLOYED	2008-10-12 21:36:15	0	
PBL010V	307	Cycle 2			OZEKI OZEKI TRAWL AT DEPTH	2008-10-12 21:50:41	0	
PBL010V	308	Cycle 2			OZEKI OZEKI TRAWL RECOVERED	2008-10-12 22:32:20	0	
PBL010V	309	Cycle 2			OZEKI OZEKI TRAWL DEPLOYED	2008-10-12 22:11:15	0	
PBL010V	310	Cycle 2			OZEKI OZEKI TRAWL RECOVERED	2008-10-12 23:06:40	0	
PBL010V	311	Cycle 2			OZEKI OZEKI TRAWL RECOVERED	2008-10-13 01:08:17	0	
PBL010V	312	Cycle 2	29		CTD DEPLOYED AT DEPTH	2008-10-13 01:32:23	0	
PBL010V	313	Cycle 2	29		CTD CTD AT DEPTH	2008-10-13 02:09:06	0	
PBL010V	314	Cycle 2	29		CTD CTD RECOVERED	2008-10-13 02:44:05	0	
PBL010V	315	Cycle 2			BONGOLIVE BONGO LIVE DEPLOYED	2008-10-13 02:51:37	0	
PBL010V	316	Cycle 2			BONGOLIVE BONGO LIVE RECOVERED	2008-10-13 03:25:00	0	
PBL010V	317	Cycle 2			BONGO BONGO DEPLOYED	2008-10-13 03:46:31	0	
PBL010V	318	Cycle 2			BONGO BONGO RECOVERED	2008-10-13 04:22:50	0	
PBL010V	319	Cycle 2			OZEKI OZEKI TRAWL DEPLOYED	2008-10-13 04:06:50	0	
PBL010V	320	Cycle 2			OZEKI OZEKI TRAWL RECOVERED	2008-10-13 04:28:41	0	
PBL010V	321	Cycle 2			OZEKI OZEKI TRAWL RECOVERED	2008-10-13 04:07:07	0	
PBL010V	322	Cycle 2	30		CTD DEPLOYED AT DEPTH	2008-10-13 05:15:13	0	
PBL010V	323	Cycle 2	30		CTD CTD AT DEPTH	2008-10-13 09:35:18	0	
PBL010V	324	Cycle 2	30		CTD CTD RECOVERED	2008-10-13 10:04:05	0	
PBL010V	325	Cycle 2			DRIFTARRAY DRIFTARRAY RECOVERED	2008-10-13 11:41:23	0	
PBL010V	326	Cycle 2			DRIFTARRAY DRIFTARRAY DEPLOYED	2008-10-13 11:48:47	0	
PBL010V	327	Cycle 2			MVP MVP DEPLOYED	2008-10-13 13:33:48	0	
PBL010V	328	Cycle 2			MVP MVP RECOVERED	2008-10-13 15:46:42	0	
PBL010V	329	Cycle 2			TMCCAST TMC GOFLG BOTTLCAST	2008-10-13 15:53:34	0	
PBL010V	330	Cycle 2			MVP MVP DEPLOYED	2008-10-13 16:13:22	0	
PBL010V	331	Cycle 2			MVP MVP RECOVERED	2008-10-13 17:24:27	0	
PBL010V	332	Cycle 2			BONGO BONGO DEPLOYED	2008-10-13 18:23:15	0	
PBL010V	333	Cycle 2			BONGO BONGO RECOVERED	2008-10-13 18:48:25	0	
PBL010V	334	Cycle 2			OPTICS OPTICS-OP DEPLOYED	2008-10-13 20:31:06	0	
PBL010V	335	Cycle 2	31		CTD CTD DEPTH	2008-10-13 19:25:51	0	
PBL010V	336	Cycle 2	31		CTD CTD AT DEPTH	2008-10-13 19:43:28	0	
PBL010V	337	Cycle 2	31		CTD CTD RECOVERED	2008-10-13 20:23:51	0	
PBL010V	338	Cycle 2			OPTICS OPTICS-OP DEPLOYED	2008-10-13 20:30:24	0	
PBL010V	339	Cycle 2			MOC MOCNESS DEPLOYED	2008-10-13 21:56:16	0	
PBL010V	340	Cycle 2			MOC MOCNESS RECOVERED	2008-10-13 22:32:12	0	
PBL010V	341	Cycle 2	32		CTD CTD DEPLOYED	2008-10-14 00:32:35	0	
PBL010V	342	Cycle 2	32		CTD CTD AT DEPTH	2008-10-14 01:06:34	0	
PBL010V	343	Cycle 2	32		CTD CTD RECOVERED	2008-10-14 01:28:14	0	
PBL010V	344	Cycle 2			BONGOLIVE BONGO LIVE DEPLOYED	2008-10-14 01:03:52	0	
PBL010V	345	Cycle 2			BONGOLIVE BONGO LIVE RECOVERED	2008-10-14 01:43:38	0	
PBL010V	346	Cycle 2			TM PUMP THORIUM PUMP DEPLOYED	2008-10-14 01:53:40	0	
PBL010V	347	Cycle 2			TM PUMP THORIUM PUMP RECOVERED	2008-10-14 03:30:15	0	
PBL010V	348	Cycle 2			BONGOLIVE BONGO LIVE DEPLOYED	2008-10-14 04:16:20	0	
PBL010V	349	Cycle 2			BONGOLIVE BONGO LIVE RECOVERED	2008-10-14 04:58:17	0	
PBL010V	350	Cycle 2			BONGO BONGO DEPLOYED	2008-10-14 05:05:58	0	
PBL010V	351	Cycle 2			BONGO BONGO RECOVERED	2008-10-14 05:31:53	0	
PBL010V	352	Cycle 2			MOC MOCNESS DEPLOYED	2008-10-14 06:05:38	0	
PBL010V	353	Cycle 2	33		CTD CTD DEPTH	2008-10-14 09:24:54	0	
PBL010V	354	Cycle 2	33		CTD CTD AT DEPTH	2008-10-14 10:39:40	0	
PBL010V	355	Cycle 2	33		CTD CTD RECOVERED	2008-10-14 09:23:30	0	
PBL010V	356	Cycle 2			DRIFTARRAY DRIFTARRAY RECOVERED	2008-10-14 10:19:49	0	
PBL010V	357	Cycle 2			OZEKI OZEKI TRAWL DEPLOYED	2008-10-14 10:35:44	0	
PBL010V	358	Cycle 2			OZEKI OZEKI TRAWL AT DEPTH	2008-10-14 11:2		

ID	Cycle	Category	Code	Start Time	End Time	Lat	Lon	Mag	Phase	Depth	Notes
P8010V 399	Cycle 3	BONGOLIVE	BONGO LIVE RECOVERED	2008-10-16 03:47:27	0						
P8010V 400	Cycle 3	BONGO	BONGO DEPLOYED	2008-10-16 03:56:49	0						
P8010V 401	Cycle 3	BONGO	BONGO RECOVERED	2008-10-16 04:48:15	0						
P8010V 402	Cycle 3	MCC	MOONSS DEPLOYED	2008-10-16 05:40:26	0						
P8010V 403	Cycle 3	CTD	CTD DEPLOYED	2008-10-16 05:19:36	0						
P8010V 404	Cycle 3	CTD	CTD DEPLOYED	2008-10-16 08:30:46	0						
P8010V 405	Cycle 3	CTD	CTD DEPLOYED	2008-10-16 09:48:20	0						
P8010V 406	Cycle 3	CTD	CTD DEPLOYED	2008-10-16 08:18:22	0						
P8010V 407	Cycle 3	TRMCAST	TRM CAST	2008-10-16 09:55:02	0						
P8010V 408	Cycle 3	DRIFTARRAW	DRIFTARRAW RECOVERED	2008-10-16 12:29:45	0						
P8010V 409	Cycle 3	DRIFTARRAW	DRIFTARRAW DEPLOYED	2008-10-16 11:32:47	0						
P8010V 410	Cycle 3	TRMCAST	TRM CAST	2008-10-16 12:06:41	0						
P8010V 411	Cycle 3	OZEKI	OZEKI TRAWL DEPLOYED	2008-10-16 12:53:20	0						
P8010V 412	Cycle 3	OZEKI	OZEKI TRAWL AT DEPTH	2008-10-16 13:08:08	0						
P8010V 413	Cycle 3	OZEKI	OZEKI TRAWL RECOVERED	2008-10-16 15:13:03	0						
P8010V 414	Cycle 3	OZEKI	OZEKI TRAWL DEPLOYED	2008-10-16 15:13:03	0						
P8010V 415	Cycle 3	OZEKI	OZEKI TRAWL AT DEPTH	2008-10-16 15:58:19	0						
P8010V 416	Cycle 3	OZEKI	OZEKI TRAWL RECOVERED	2008-10-16 17:14:54	0						
P8010V 417	Cycle 3	BONGO	BONGO DEPLOYED	2008-10-16 17:39:34	0						
P8010V 418	Cycle 3	BONGO	BONGO RECOVERED	2008-10-16 19:04:36	0						
P8010V 419	Cycle 3	OPTICS	OPTICS-PRK DEPLOYED	2008-10-16 18:18:17	0						
P8010V 420	Cycle 3	CTD	CTD DEPLOYED	2008-10-16 19:29:47	0						
P8010V 421	Cycle 3	CTD	CTD AT DEPTH	2008-10-16 19:28:03	0						
P8010V 422	Cycle 3	CTD	CTD DEPLOYED	2008-10-16 19:02:58	0						
P8010V 423	Cycle 3	OPTICS	OPTICS-IOF DEPLOYED	2008-10-16 18:10:21	0						
P8010V 424	Cycle 3	BONGO	BONGO DEPLOYED	2008-10-16 20:54:00	0						
P8010V 425	Cycle 3	BONGO	BONGO RECOVERED	2008-10-16 21:26:20	0						
P8010V 426	Cycle 3	OZEKI	OZEKI TRAWL DEPLOYED	2008-10-16 22:09:20	0						
P8010V 426.5	Cycle 3	OZEKI	OZEKI TRAWL AT DEPTH	2008-10-16 15:09:00	0						event no. added
P8010V 427	Cycle 3	OZEKI	OZEKI TRAWL RECOVERED	2008-10-17 00:07:21	0						
P8010V 428	Cycle 3	BONGO	BONGO DEPLOYED	2008-10-17 00:49:18	0						
P8010V 429	Cycle 3	BONGO	BONGO RECOVERED	2008-10-17 01:29:17	0						
P8010V 430	Cycle 3	CTD	CTD DEPLOYED	2008-10-17 01:39:14	0						
P8010V 431	Cycle 3	CTD	CTD AT DEPTH	2008-10-17 01:57:12	0						
P8010V 432	Cycle 3	CTD	CTD RECOVERED	2008-10-17 02:22:00	0						
P8010V 433	Cycle 3	BONGO	BONGO DEPLOYED	2008-10-17 03:01:17	0						
P8010V 434	Cycle 3	BONGO	BONGO RECOVERED	2008-10-17 03:32:49	0						
P8010V 435	Cycle 3	OZEKI	OZEKI TRAWL DEPLOYED	2008-10-17 04:33:33	0						
P8010V 436	Cycle 3	OZEKI	OZEKI TRAWL AT DEPTH	2008-10-17 06:31:47	0						
P8010V 437	Cycle 3	OZEKI	OZEKI TRAWL RECOVERED	2008-10-17 06:32:43	0						
P8010V 438	Cycle 3	BONGO	BONGO DEPLOYED	2008-10-17 07:29:37	0						
P8010V 439	Cycle 3	BONGO	BONGO RECOVERED	2008-10-17 07:22:10	0						
P8010V 440	Cycle 3	OZEKI	OZEKI TRAWL DEPLOYED	2008-10-17 07:45:39	0						
P8010V 441	Cycle 3	OZEKI	OZEKI TRAWL AT DEPTH	2008-10-17 09:19:27	0						
P8010V 442	Cycle 3	OZEKI	OZEKI TRAWL RECOVERED	2008-10-17 08:37:28	0						
P8010V 443	Cycle 3	CTD	CTD DEPLOYED	2008-10-17 08:29:24	0						
P8010V 444	Cycle 3	CTD	CTD AT DEPTH	2008-10-17 09:46:34	0						
P8010V 445	Cycle 3	CTD	CTD RECOVERED	2008-10-17 10:19:00	0						
P8010V 446	Cycle 3	BONGO	BONGO DEPLOYED	2008-10-17 09:46:39	0						
P8010V 447	Cycle 3	BONGO	BONGO RECOVERED	2008-10-17 11:11:28	0						
P8010V 448	Cycle 3	DRIFTARRAW	DRIFTARRAW DEPLOYED	2008-10-17 11:11:28	0						
P8010V 449	Cycle 3	DRIFTARRAW	DRIFTARRAW RECOVERED	2008-10-17 11:43:13	0						
P8010V 450	Cycle 3	BONGO	BONGO DEPLOYED	2008-10-17 12:19:14	0						
P8010V 451	Cycle 3	BONGO	BONGO RECOVERED	2008-10-17 12:49:17	0						
P8010V 452	Cycle 3	MVP	MVP DEPLOYED	2008-10-17 13:38:31	0						
P8010V 453	Cycle 3	MVP	MVP RECOVERED	2008-10-17 14:09:32	0						
P8010V 454	Cycle 3	BONGO	BONGO DEPLOYED	2008-10-17 15:58:09	0						
P8010V 455	Cycle 3	BONGO	BONGO RECOVERED	2008-10-17 18:23:03	0						
P8010V 456	Cycle 3	OPTICS	OPTICS-PRK DEPLOYED	2008-10-17 18:28:28	0						
P8010V 457	Cycle 3	CTD	CTD DEPLOYED	2008-10-17 19:05:00	0						
P8010V 458	Cycle 3	CTD	CTD AT DEPTH	2008-10-17 19:59:40	0						
P8010V 459	Cycle 3	CTD	CTD RECOVERED	2008-10-17 19:59:40	0						
P8010V 460	Cycle 3	OPTICS	OPTICS-IOF DEPLOYED	2008-10-17 20:07:09	0						
P8010V 461	Cycle 3	MCC	MOONSS DEPLOYED	2008-10-17 21:30:55	0						
P8010V 462	Cycle 3	MCC	MOONSS RECOVERED	2008-10-17 23:11:47	0						
P8010V 463	Cycle 3	CTD	CTD DEPLOYED	2008-10-17 21:18:18	0						
P8010V 464	Cycle 3	CTD	CTD AT DEPTH	2008-10-18 00:22:44	0						
P8010V 465	Cycle 3	CTD	CTD RECOVERED	2008-10-18 00:22:44	0						
P8010V 467	Cycle 3	CTD	CTD DEPLOYED	2008-10-18 00:22:44	0						
P8010V 468	Cycle 3	TM PUMP	THORIUM PUMP DEPLOYED	2008-10-18 01:17:28	0						
P8010V 469	Cycle 3	TM PUMP	THORIUM PUMP RECOVERED	2008-10-18 02:33:21	0						
P8010V 470	Cycle 3	BONGO	BONGO DEPLOYED	2008-10-18 02:36:37	0						
P8010V 471	Cycle 3	BONGOLIVE	BONGO LIVE DEPLOYED	2008-10-18 03:07:13	0						
P8010V 472	Cycle 3	BONGOLIVE	BONGO LIVE RECOVERED	2008-10-18 04:58:12	0						
P8010V 473	Cycle 3	BONGO	BONGO DEPLOYED	2008-10-18 04:58:12	0						
P8010V 474	Cycle 3	BONGO	BONGO RECOVERED	2008-10-18 04:28:28	0						
P8010V 475	Cycle 3	MCC	MOONSS DEPLOYED	2008-10-18 04:51:51	0						
P8010V 476	Cycle 3	MCC	MOONSS RECOVERED	2008-10-18 06:26:57	0						
P8010V 477	Cycle 3	CTD	CTD DEPLOYED	2008-10-18 06:16:15	0						
P8010V 478	Cycle 3	CTD	CTD AT DEPTH	2008-10-18 08:42:26	0						
P8010V 479	Cycle 3	CTD	CTD RECOVERED	2008-10-18 08:42:26	0						
P8010V 480	Cycle 3	DRIFTARRAW	DRIFTARRAW DEPLOYED	2008-10-18 10:23:41	0						
P8010V 481	Cycle 3	DRIFTARRAW	DRIFTARRAW RECOVERED	2008-10-18 10:23:41	0						
P8010V 482	Cycle 3	MVP	MVP DEPLOYED	2008-10-18 10:42:10	0						
P8010V 483	Cycle 3	MVP	MVP RECOVERED	2008-10-18 12:32:47	0						
P8010V 484	Cycle 3	SEDRAP	SEDRAP TRAWL RECOVERED	2008-10-18 12:08:18	0						
P8010V 485	Cycle 3	MVP	MVP DEPLOYED	2008-10-18 12:32:47	0						
P8010V 486	Cycle 3	MVP	MVP RECOVERED	2008-10-18 19:54:41	0						
P8010V 486.5	Cycle 3	ECHO	ECHO SOUNDER END	2008-10-18 10:24:00	0						Added post cruise: J.C.
P8010V 487	Cycle 3	SEDRAP	SEDRAP TRAWL DEPLOYED	2008-10-18 11:13:13	0						
P8010V 488	Cycle 3	CTD	CTD DEPLOYED	2008-10-18 10:57:33	0						
P8010V 489	Cycle 3	CTD	CTD AT DEPTH	2008-10-18 11:52:20	0						
P8010V 490	Cycle 3	CTD	CTD RECOVERED	2008-10-18 11:46:14	0						
P8010V 491	Cycle 3	DRIFTARRAW	DRIFTARRAW DEPLOYED	2008-10-18 12:49:11	0						
P8010V 492	Cycle 3	CTD	CTD DEPLOYED	2008-10-18 12:49:11	0						
P8010V 493	Cycle 3	CTD	CTD AT DEPTH	2008-10-18 13:35:22	0						
P8010V 494	Cycle 3	CTD	CTD RECOVERED	2008-10-18 14:05:56	0						
P8010V 495	Cycle 3	MVP	MVP DEPLOYED	2008-10-18 14:55:56	0						
P8010V 496	Cycle 3	MVP	MVP RECOVERED	2008-10-18 15:24:58	0						
P8010V 497	Cycle 3	MVP	MVP DEPLOYED	2008-10-18 16:01:42	0						
P8010V 498	Cycle 3	MVP	MVP RECOVERED	2008-10-18 17:33:41	0						
P8010V 499	Cycle 3	BONGO	BONGO DEPLOYED	2008-10-18 18:08:52	0						
P8010V 500	Cycle 3	BONGO	BONGO RECOVERED	2008-10-18 18:31:55	0						
P8010V 501	Cycle 3	OPTICS	OPTICS-PRK DEPLOYED	2008-10-18 19:38:53	0						
P8010V 502	Cycle 3	CTD	CTD DEPLOYED	2008-10-18 19:20:42	0						
P8010V 503	Cycle 3	CTD	CTD AT DEPTH	2008-10-18 19:38:37	0						
P8010V 504	Cycle 3	CTD	CTD RECOVERED	2008-10-18 20:05:05	0						
P8010V 505	Cycle 3	OPTICS	OPTICS-IOF DEPLOYED	2008-10-18 20:25:47	0						
P8010V 506	Cycle 3	MCC	MOONSS DEPLOYED	2008-10-19 21:43:05	0						
P8010V 507	Cycle 3	MCC	MOONSS RECOVERED	2008-10-19 23:16:23	0						
P8010V 508	Cycle 3	DRIFTARRAW	DRIFTARRAW RECOVERED	2008-10-20 02:55:32	0						
P8010V 509	Cycle 3	DRIFTARRAW	DRIFTARRAW DEPLOYED	2008-10-20 02:55:32	0						
P8010V 510	Cycle 3	CTD	CTD DEPLOYED	2008-10-20 03:08:13	0						
P8010V 511	Cycle 3	CTD	CTD AT DEPTH	2008-10-20 03:25:21	0						
P8010V 512	Cycle 3	CTD	CTD RECOVERED	2008-10-20 03:32:38	0						
P8010V 513	Cycle 3	TM PUMP	THORIUM PUMP DEPLOYED	2008-10-20 03:51:59	0						
P8010V 514	Cycle 3	TM PUMP	THORIUM PUMP RECOVERED	2008-10-20 05:07:44	0						
P8010V 515	Cycle 3	BONGOLIVE	BONGO LIVE DEPLOYED	2008-10-20 05:17:51	0						
P8010V 516	Cycle 3	BONGOLIVE	BONGO LIVE RECOVERED	2008-10-20 06:46:07	0						
P8010V 517	Cycle 3	BONGO	BONGO DEPLOYED	2008-10-20 06:13:48	0						
P8010V 518	Cycle 3	BONGO	BONGO RECOVERED	2008-10-20 06:38:58	0						
P8010V 519	Cycle 3	SEDRAP	SEDRAP TRAWL DEPLOYED	2008-10-20 07:09:04	0						
P8010V 520	Cycle 3	MCC	MOONSS DEPLOYED	2008-10-20 07:49:14	0						
P8010V 521	Cycle 3	CTD	CTD DEPLOYED	2008-10-20 09:30:35	0						
P8010V											

PB010MV	583	Cycle 5	OOZEKI	OOZEKI TRAWL DEPLOYED	2008-10-22 16:27:20	0	2008-10-22 09:27:20	32-84637	-120-92075	86.1	67.3	CS	During: Calm; Day			
PB010MV	584	Cycle 5	OOZEKI	OOZEKI TRAWL DEPTH	2008-10-22 17:41:10	0	2008-10-22 09:41:10	32-85520	-120-92867	86.1	67.4	CS	During: Calm; Day; Trawl @ 500M			
PB010MV	585	Cycle 5	OOZEKI	OOZEKI TRAWL RECOVERED	2008-10-22 17:19:33	0	2008-10-22 10:19:33	32-86745	-120-94620	86	67.4	CS	During: Calm; Day			
PB010MV	586	Cycle 5	BONGO	BONGO DEPLOYED	2008-10-22 17:43:25	0	2008-10-22 10:43:25	32-88152	-120-92663	86	67.1	CS	During: Calm; Day			
PB010MV	587	Cycle 5	BONGO	BONGO RECOVERED	2008-10-22 17:05:12	0	2008-10-22 11:05:12	32-87321	-120-93074	86	67.2	MI	During: Calm; Day			
PB010MV	588	Cycle 5	OPTICS	OPTICS-PRR DEPLOYED	2008-10-22 18:32:52	0	2008-10-22 11:32:52	32-87201	-120-92971	86	67.2	CS	During: Calm; Day			
PB010MV	589	Cycle 55	CTD	CTD DEPLOYED	2008-10-22 18:32:52	0	2008-10-22 11:32:52	32-87201	-120-93029	86	67.2	MI	During: Calm; Day			
PB010MV	590	Cycle 55	CTD	CTD AT DEPTH	2008-10-22 18:13:55	0	2008-10-22 12:13:55	32-87254	-120-93066	86	67.2	MI	During: Calm; Day			
PB010MV	591	Cycle 55	CTD	CTD RECOVERED	2008-10-22 19:47:50	0	2008-10-22 12:47:50	32-87254	-120-93066	86	67.2	MI	During: Calm; Day			
PB010MV	592	Cycle 5	MOONSS	MOONSS DEPLOYED	2008-10-22 18:32:52	0	2008-10-22 12:32:52	32-87255	-120-93067	86	67.2	MI	During: Calm; Day			
PB010MV	593	Cycle 5	MOONSS	MOONSS DEPTH	2008-10-22 21:11:24	0	2008-10-22 14:11:24	32-84045	-120-89521	86.2	67.1	MI	During: Calm; Day			
PB010MV	594	Cycle 5	MOONSS	MOONSS RECOVERED	2008-10-22 18:32:52	0	2008-10-22 12:32:52	32-87255	-120-93067	86	67.2	MI	During: Calm; Day			
PB010MV	596	Cycle 5	TMCAST	TMG GOFO BOTTLASCAT	2008-10-22 22:20:17	0	2008-10-22 16:20:17	32-85659	-120-94184	86	67.5	EW	During: Calm; Day			
PB010MV	597	Cycle 5	TMCAST	TMG GOFO BOTTLASCAT	2008-10-22 00:01:04	0	2008-10-22 17:01:04	32-85660	-120-94187	86	67.5	EW	During: Calm; Day			
PB010MV	598	Cycle 5	MVP	MVP DEPLOYED	2008-10-22 19:04:52	0	2008-10-22 17:04:52	32-85917	-120-93151	86.1	67.2	MI	During: Calm; Day			
PB010MV	599	Cycle 5	MVP	MVP RECOVERED	2008-10-22 01:20:44	0	2008-10-22 18:20:44	32-86223	-120-91299	86.1	67.1	EW	During: Calm; Day			
PB010MV	600	Cycle 5	TM PUMP	THORIUM PUMP DEPLOYED	2008-10-22 21:45:38	0	2008-10-22 18:45:38	32-85573	-120-91867	86.1	67.1	EW	During: Calm; Day			
PB010MV	601	Cycle 5	TM PUMP	THORIUM PUMP RECOVERED	2008-10-23 02:48:03	0	2008-10-22 19:48:03	32-85610	-120-90790	86.1	67.1	CS	During: Calm; Night			
PB010MV	602	Cycle 5	CTD	CTD DEPLOYED	2008-10-22 20:12:02	0	2008-10-22 20:02:02	32-85611	-120-90791	86.1	67.1	CS	During: Calm; Night			
PB010MV	603	Cycle 56	CTD	CTD AT DEPTH	2008-10-22 21:21:22	0	2008-10-22 20:21:22	32-85515	-120-90487	86.1	67.1	CS	During: Calm; Night; CTD @ 500M			
PB010MV	604	Cycle 5	CTD	CTD RECOVERED	2008-10-22 03:39:27	0	2008-10-22 20:39:27	32-85514	-120-90487	86.1	67.1	CS	During: Calm; Night			
PB010MV	605	Cycle 5	BONGO	BONGO DEPLOYED	2008-10-22 20:31:31	0	2008-10-22 20:31:31	32-85617	-120-90584	86.1	67.1	CS	During: Calm; Night			
PB010MV	606	Cycle 5	BONGO	BONGO LIVE RECOVERED	2008-10-22 04:29:10	0	2008-10-22 21:29:10	32-84485	-120-91965	86.1	67.3	CS	During: Calm; Night			
PB010MV	607	Cycle 5	BONGO	BONGO DEPLOYED	2008-10-22 20:31:31	0	2008-10-22 22:31:31	32-85617	-120-90584	86.1	67.1	CS	During: Calm; Night			
PB010MV	608	Cycle 5	BONGO	BONGO RECOVERED	2008-10-22 05:10:32	0	2008-10-22 22:10:32	32-85617	-120-90584	86.1	67.1	CS	During: Calm; Night			
PB010MV	609	Cycle 5	MOONSS	MOONSS DEPLOYED	2008-10-22 20:10:58	0	2008-10-22 23:10:58	32-87336	-120-82183	86.4	66.4	CS	During: Calm; Night			
PB010MV	610	Cycle 5	MOONSS	MOONSS RECOVERED	2008-10-22 07:34:26	0	2008-10-22 23:34:26	32-82151	-120-87924	86.2	67.2	MI	During: Calm; Night			
PB010MV	611	Cycle 57	CTD	CTD DEPLOYED	2008-10-22 03:30:50	0	2008-10-22 01:30:50	32-81732	-120-84193	86.4	66.7	MI	During: Calm; Night			
PB010MV	612	Cycle 57	CTD	CTD AT DEPTH	2008-10-22 08:53:40	0	2008-10-22 01:53:40	32-81738	-120-84192	86.4	66.7	MI	During: Calm; Night			
PB010MV	613	Cycle 57	CTD	CTD RECOVERED	2008-10-23 09:30:31	0	2008-10-23 02:30:31	32-81739	-120-84192	86.4	66.7	MI	During: Calm; Day			
PB010MV	614	Cycle 5	DRIFTARR	DRIFTARR RECOVERED	2008-10-23 11:00:11	0	2008-10-23 04:00:11	32-81227	-120-82020	86.5	66.5	CS	During: Calm; Night			
PB010MV	615	Cycle 5	DRIFTARR	DRIFTARR DEPTH	2008-10-23 11:07:32	0	2008-10-23 04:07:32	32-82386	-120-81971	86.5	66.5	CS	During: Calm; Night			
PB010MV	616	Cycle 5	MVP	MVP DEPLOYED	2008-10-23 13:18:54	0	2008-10-23 06:18:54	32-85449	-120-90220	86.1	67.1	CS	During: Calm; Night; Bowtie 11			
PB010MV	617	Cycle 5	MVP	MVP RECOVERED	2008-10-23 08:04:14	0	2008-10-23 09:04:14	32-84561	-120-92370	86.1	67.1	CS	During: Calm; Night; Bowtie 11			
PB010MV	618	Cycle 5	BONGO	BONGO DEPLOYED	2008-10-23 14:23:26	0	2008-10-23 10:42:26	32-82731	-120-74247	86.6	65.5	CS	During: Calm; Day			
PB010MV	619	Cycle 5	BONGO	BONGO RECOVERED	2008-10-23 18:08:39	0	2008-10-23 11:08:39	32-82862	-120-74856	86.6	65.5	CS	During: Calm; Day			
PB010MV	620	Cycle 5	OPTICS	OPTICS-PRR DEPLOYED	2008-10-23 17:27:05	0	2008-10-23 11:27:05	32-83135	-120-74793	86.5	65.5	CS	During: Calm; Day			
PB010MV	621	Cycle 58	CTD	CTD DEPLOYED	2008-10-23 18:56:33	0	2008-10-23 11:56:33	32-83295	-120-74638	86.5	65.5	MI	During: Calm; Day			
PB010MV	622	Cycle 58	CTD	CTD AT DEPTH	2008-10-23 21:23:45	0	2008-10-23 12:23:45	32-83143	-120-74610	86.5	65.5	MI	During: Calm; Day			
PB010MV	623	Cycle 58	CTD	CTD RECOVERED	2008-10-23 19:56:14	0	2008-10-23 12:56:14	32-83101	-120-74632	86.5	65.5	MI	During: Calm; Day			
PB010MV	624	Cycle 5	OOZEKI	OOZEKI TRAWL DEPLOYED	2008-10-23 21:35:41	0	2008-10-23 14:35:41	32-84241	-120-60445	86.8	63.9	MI	During: Calm; Day			
PB010MV	625	Cycle 5	OOZEKI	OOZEKI TRAWL AT DEPTH	2008-10-23 22:17:21	0	2008-10-23 15:17:21	32-84065	-120-63318	86.7	64.2	MI	During: Calm; Day			
PB010MV	627	Cycle 5	OOZEKI	OOZEKI TRAWL RECOVERED	2008-10-23 08:31:11	0	2008-10-23 01:31:11	32-84805	-120-66197	86.5	64.5	CS	During: Calm; Night			
PB010MV	628	Cycle 5	TM PUMP	THORIUM PUMP DEPLOYED	2008-10-24 00:06:33	0	2008-10-23 18:06:33	32-83780	-120-66771	86.7	64.6	EW	During: Calm; Day			
PB010MV	629	Cycle 5	TM PUMP	THORIUM PUMP RECOVERED	2008-10-24 15:00:10	0	2008-10-23 18:00:10	32-83786	-120-65199	86.7	64.5	EW	During: Calm; Night; aborted			
PB010MV	630	Cycle 59	CTD	CTD DEPLOYED	2008-10-24 01:50:13	0	2008-10-23 18:50:13	32-83707	-120-65192	86.7	64.5	EW	During: Calm; Night; aborted			
PB010MV	631	Cycle 59	CTD	CTD AT DEPTH	2008-10-24 02:30:54	0	2008-10-23 19:30:54	32-83709	-120-64467	86.7	64.4	EW	During: Calm; Night; aborted			
PB010MV	632	Cycle 5	OOZEKI	OOZEKI TRAWL DEPLOYED	2008-10-24 04:04:29	0	2008-10-23 23:04:29	32-82954	-120-56319	86.9	63.5	CS	During: Calm; Night; Trawl @ 1800M			
PB010MV	633	Cycle 5	OOZEKI	OOZEKI TRAWL AT DEPTH	2008-10-24 04:04:29	0	2008-10-23 23:04:29	32-82954	-120-56319	86.9	63.5	CS	During: Calm; Night; Trawl @ 1800M			
PB010MV	634	Cycle 5	OOZEKI	OOZEKI TRAWL RECOVERED	2008-10-24 05:09:03	0	2008-10-23 22:09:03	32-82853	-120-56319	86.9	63.5	CS	During: Calm; Night			
PB010MV	635	Cycle 5	BONGO	BONGO LIVE DEPLOYED	2008-10-24 05:49:03	0	2008-10-23 22:49:03	32-84400	-120-57796	86.6	63.6	CS	During: Calm; Night			
PB010MV	636	Cycle 5	BONGO	BONGO LIVE RECOVERED	2008-10-24 06:27:10	0	2008-10-23 23:27:10	32-83626	-120-59681	86.9	63.8	CS	During: Calm; Night			
PB010MV	637	Cycle 5	BONGO	BONGO RECOVERED	2008-10-24 08:48:43	0	2008-10-23 25:48:43	32-85039	-120-58794	86.6	63.6	CS	During: Calm; Night			
PB010MV	638	Cycle 5	OOZEKI	OOZEKI TRAWL RECOVERED	2008-10-24 07:19:31	0	2008-10-24 00:19:31	32-84370	-120-58860	86.6	63.7	MI	During: Calm; Night			
PB010MV	639	Cycle 5	CTD	CTD DEPLOYED	2008-10-24 08:44:51	0	2008-10-24 01:44:51	32-85211	-120-56303	86.6	63.3	MI	During: Calm; Night			
PB010MV	640	Cycle 5	OOZEKI	OOZEKI TRAWL AT DEPTH	2008-10-24 08:04:37	0	2008-10-24 01:04:37	32-85411	-120-54012	86.6	63.1	MI	During: Calm; Night			
PB010MV	641	Cycle 5	CTD	CTD AT DEPTH	2008-10-24 09:24:45	0	2008-10-24 02:24:45	32-85238	-120-56787	86.6	63.4	MI	During: Calm; Night			
PB010MV	642	Cycle 5	CTD	CTD RECOVERED	2008-10-24 09:24:45	0	2008-10-24 02:24:45	32-85238	-120-56787	86.6	63.4	MI	During: Calm; Night			
PB010MV	643	Cycle 5	CTD	CTD AT DEPTH	2008-10-24 09:34:29	0	2008-10-24 02:34:29	32-85239	-120-56791	86.6	63.4	MI	During: Calm; Night			
PB010MV	644	Cycle 5	CTD	CTD RECOVERED	2008-10-24 11:29:43	0	2008-10-24 04:29:43	32-85237	-120-56793	86.6	63.4	MI	During: Calm; Night			
PB010MV	645	Cycle 5	DRIFTARR	DRIFTARR RECOVERED	2008-10-24 11:15:08	0	2008-10-24 04:15:08	32-85143	-120-53738	86.6	63.4	CC	During: Calm; Night			
PB010MV	646	Transit	DRIFTARR	DRIFTARR DEPTH	2008-10-24 11:15:08	0	2008-10-24 04:15:08	32-85143	-120-53738	86.6	63.4	CC	During: Calm; Night			
PB010MV	647	Transit	OOZEKI	OOZEKI TRAWL AT DEPTH	2008-10-24 11:41:49	0	2008-10-24 04:41:49	32-84423	-120-55141	8						

P0810MV	773	Cycle 6	OOZEKI	OOZEKI TRAWL RECOVERED	2008-10-27 17:39:40	0	2008-10-27 10:39:40	32.56103	-120.24971	88.8	62.1	CS	During; Calm; Day	1
P0810MV	774	Cycle 6	BONGO	BONGO DEPLOYED	2008-10-27 18:07:41	0	2008-10-27 11:07:41	32.53285	-120.22540	88.9	62.1	CS	During; Calm; Day	1
P0810MV	775	Cycle 6	BONGO	BONGO RECOVERED	2008-10-27 18:32:32	0	2008-10-27 11:32:32	32.53446	-120.23297	88.9	62.1	CS	During; Calm; Day	1
P0810MV	776	Cycle 6	OPTICS	OPTICS-PRR DEPLOYED	2008-10-27 18:41:45	0	2008-10-27 11:41:45	32.53858	-120.23416	88.9	62.1	CS	During; Calm; Day	1
P0810MV	777	Cycle 6	77	CTD DEPLOYED	2008-10-27 19:04:12	0	2008-10-27 12:04:12	32.53857	-120.23416	88.9	62.1	MJ	During; Calm; Day	1
P0810MV	778	Cycle 6	77	CTD AT DEPTH	2008-10-27 19:20:56	0	2008-10-27 12:20:56	32.53856	-120.23418	88.9	62.1	MJ	During; Calm; Day	1
P0810MV	779	Cycle 6	77	CTD RECOVERED	2008-10-27 19:57:56	0	2008-10-27 12:57:56	32.53856	-120.23417	88.9	62.1	MJ	During; Calm; Day	1
P0810MV	780	Cycle 6	OPTICS	OPTICS-IOP DEPLOYED	2008-10-27 20:06:25	0	2008-10-27 13:06:25	32.53857	-120.23418	88.9	62.1	MJ	During; Calm; Day	1
P0810MV	781	Cycle 6	OOZEKI	OOZEKI TRAWL DEPLOYED	2008-10-27 21:29:29	0	2008-10-27 14:29:29	32.46037	-120.17720	89.4	62.1	MJ	During; Calm; Day	1
P0810MV	782	Cycle 6	OOZEKI	OOZEKI TRAWL AT DEPTH	2008-10-27 22:07:44	0	2008-10-27 15:07:44	32.48668	-120.19530	89.2	62.1	MJ	During; Calm; Day	1
P0810MV	783	Cycle 6	OOZEKI	OOZEKI TRAWL RECOVERED	2008-10-27 23:24:48	0	2008-10-27 16:24:48	32.52514	-120.22440	89	62.1	EW	During; Calm; Day	1
P0810MV	784	Cycle 6	OOZEKI	OOZEKI TRAWL DEPLOYED	2008-10-28 00:32:34	0	2008-10-27 17:32:34	32.44692	-120.18792	89.4	62.3	EW	During; Calm; Day	1
P0810MV	784.5	Cycle 6	OOZEKI	OOZEKI TRAWL AT DEPTH		0	2008-10-27 18:13:00						event no. added	1
P0810MV	785	Cycle 6	OOZEKI	OOZEKI TRAWL RECOVERED	2008-10-28 02:33:53	0	2008-10-27 19:33:53	32.51721	-120.23071	89	62.2	EW	During; Calm; Night	1
P0810MV	786	Cycle 6	TM PUMP	THORIUM PUMP DEPLOYED	2008-10-28 03:06:56	0	2008-10-27 20:06:56	32.53430	-120.18306	89	61.6	CS	During; Calm; Night	1
P0810MV	787	Cycle 6	TM PUMP	THORIUM PUMP RECOVERED	2008-10-28 04:25:43	0	2008-10-27 21:25:43	32.53438	-120.18282	89	61.6	CS	During; Calm; Night	1
P0810MV	788	Cycle 6	BONGOLIVE	BONGO LIVE DEPLOYED	2008-10-28 04:37:15	0	2008-10-27 21:37:15	32.53693	-120.18096	89	61.6	CS	During; Calm; Night	1
P0810MV	789	Cycle 6	BONGOLIVE	BONGO LIVE RECOVERED	2008-10-28 05:14:38	0	2008-10-27 22:14:38	32.53677	-120.19578	89	61.7	CS	During; Calm; Night	1
P0810MV	790	Cycle 6	OOZEKI	OOZEKI TRAWL DEPLOYED	2008-10-28 05:55:33	0	2008-10-27 22:55:33	32.48104	-120.13557	89.4	61.5	CS	During; Calm; Night	1
P0810MV	791	Cycle 6	OOZEKI	OOZEKI TRAWL AT DEPTH	2008-10-28 06:08:47	0	2008-10-27 23:08:47	32.49036	-120.14064	89.3	61.5	CS	During; Calm; Night; Trawl @ 500m	1
P0810MV	792	Cycle 6	OOZEKI	OOZEKI TRAWL RECOVERED	2008-10-28 06:47:15	0	2008-10-27 23:47:15	32.51180	-120.15058	89.2	61.4	MJ	During; Calm; Night	1
P0810MV	793	Cycle 6	BONGO	BONGO DEPLOYED	2008-10-28 07:20:38	0	2008-10-28 00:20:38	32.51072	-120.14128	89.2	61.3	MJ	During; Calm; Night	1
P0810MV	794	Cycle 6	BONGO	BONGO RECOVERED	2008-10-28 07:45:26	0	2008-10-28 00:45:26	32.51239	-120.14956	89.2	61.4	MJ	During; Calm; Night	1
P0810MV	795	Cycle 6	MOC	MOCNESS DEPLOYED	2008-10-28 08:28:38	0	2008-10-28 01:28:38	32.49282	-120.11207	89.4	61.1	MJ	During; Moderate; Night	1
P0810MV	796	Cycle 6	MOC	MOCNESS RECOVERED	2008-10-28 10:46:12	0	2008-10-28 03:46:12	32.49962	-120.17053	89.2	61.7	CC	Rough; Night; During	1
P0810MV	797	Cycle 6	DRIFTARRAY	DRIFTARRAY RECOVERED	2008-10-28 11:41:00	0	2008-10-28 04:41:00	32.49458	-120.11163	89.3	61.1	CC	During; Moderate; Night	1
P0810MV	798	Cycle 6	78	CTD DEPLOYED	2008-10-28 11:51:43	0	2008-10-28 04:51:43	32.49408	-120.11159	89.3	61.1	CC	During; Moderate; Night	1
P0810MV	799	Cycle 6	78	CTD AT DEPTH	2008-10-28 12:17:32	0	2008-10-28 05:17:32	32.49409	-120.11159	89.3	61.1	CC	During; Moderate; Night	1
P0810MV	800	Cycle 6	78	CTD RECOVERED	2008-10-28 13:12:13	0	2008-10-28 06:12:13	32.49408	-120.11159	89.3	61.1	CC	Rough; Night	1
P0810MV	801	Cycle 6	SEDTRAP	SEDIMENT TRAP RECOVERED	2008-10-28 15:36:17	0	2008-10-28 08:36:17	32.52518	-120.11915	89.2	61	CS	During; Moderate; Day	1
P0810MV	802	Transit	OOZEKI	OOZEKI TRAWL DEPLOYED	2008-10-28 20:13:27	0	2008-10-28 13:13:27	32.27236	-119.68048	91.2	58	MJ	After; Moderate; Day	1
P0810MV	803	Transit	OOZEKI	OOZEKI TRAWL AT DEPTH	2008-10-28 20:38:16	0	2008-10-28 13:38:16	32.28164	-119.69048	91.1	58	MJ	After; Moderate; Day	1
P0810MV	804	Transit	OOZEKI	OOZEKI TRAWL RECOVERED	2008-10-28 21:34:59	0	2008-10-28 14:34:59	32.31340	-119.70779	91	58	MJ	After; Moderate; Day	1
P0810MV	805	Transit	79	CTD DEPLOYED	2008-10-28 22:01:51	0	2008-10-28 15:01:51	32.31581	-119.70886	91	58	MJ	After; Moderate; Day	1
P0810MV	806	Transit	79	CTD AT DEPTH	2008-10-28 22:14:20	0	2008-10-28 15:14:20	32.31578	-119.70883	91	58	MJ	After; Moderate; Day	1
P0810MV	807	Transit	79	CTD RECOVERED	2008-10-28 22:26:14	0	2008-10-28 15:26:14	32.31581	-119.70884	91	58	MJ	After; Moderate; Day	1
P0810MV	808	Transit	BONGOLIVE	BONGO LIVE DEPLOYED	2008-10-29 04:13:29	0	2008-10-28 21:13:29	32.43186	-118.65669	92.2	49.8	CS	During; Calm; Night	1
P0810MV	809	Transit	BONGOLIVE	BONGO LIVE RECOVERED	2008-10-29 04:57:32	0	2008-10-28 21:57:32	32.42978	-118.67967	92.2	49.8	CS	During; Calm; Night	1
P0810MV	810	Arrival	ARRIVAL	ARRIVAL SAN DIEGO	2008-10-29 07:00:00	0	2008-10-29 00:00:00	32.70075	-117.23636	94.6	27.8	KB		1
P0810MV	810.5	Arrival	ECHO	ECHO SOUNDER END	2008-10-30 12:56:00	0	2008-10-30 05:56:00	32.60917	-117.27012			JC	Added post cruise: J.C.	1