

Observer Event Log

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Cruise	Date	Site#/Survey Name	Operator(s) / Observer(s)
RR1508			
Line Name/ Site Number	File Number	Date/ Time GMT	Remarks
HKS01-PreLO3	1001	147 ?	Start of Preline 03. (Log entry for Shot 1020)
"	1020	147 03:17:54	
"	1215	147 03:25:00	Shut down for marine mammals.
"	1216	147 03:39:06	Restart of airguns.
"	1434	147 04:51:11	End of Preline 03.
HKS01-03	1001	147 05:00:52	Start of line 03.
"	1319	147 06:19:26	Hourly check in.
"	1473	147 07:00:20	Hourly check
"	1722	147 08:01:57	Passing over LOBS-7
"	1700-1722	147 08:04:31	Bottom depth is questionable
"	1722	147 08:10:58	
"			Hourly report
"	1790-1804	147 08:27:12	Bottom depth is questionable F 1790-1804
HKS01-LO3-A	1991	147 09:10:47	Compressor issue fixed, Start LO3-A
"	2082	147 09:39:37	Serial stream not detected (error)
"	2085	147 09:40:01	"
"	2171	147 10:00:29	"
"	2368	147 10:50:04	"
"	2378	147 10:52:04	"
"	2500	147 11:22:59	missing lat/long
"	2779	147 12:31:53	Hourly report
"	2842	147 12:52:39	lat & long missing
"	2983	147 13:21:25	Hourly report
"		147 14:27:34	Passed over EOB5-5
"	3262	147 14:54:27	At end of line LO3 before start of LO4
HKS01-PreLO4	1000	147 14:45:25	Start PreLO4 and EOB5-5
"	1066	147 15:13:59	PreLO4 stopped at shot
HKS01-LO4	3263	147 15:22:00	Start LO4. New WP for line start: 39 00.686S 178 27.042E
"	3287	147 15:28:39	Increase speed to 4 knots
"	3324	147 15:40:24	No lat and long recorded
"	3377	147 15:48:56	No lat and long recorded; Multibeam doesn't resolve bathymetry
"	3553	147 16:21:20	Hourly report - all ok
"	3832	147 17:21:09	Hourly report - all ok
"	3854	147 17:40:49	Reached LOBS-9 39 04213195S 178 314397E
"	4053	147 18:06:47	No lat/long recorded

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RR1509			
Line Name/ Site Number	File Number	Date/ Time GMT	Remarks
HKS01-LO4	4092	147 18:14:15	No Lat Long Recorded.
"	4182	147 18:33:21	"
"	4220	147 18:43:39	"
"	4232	147 18:44:23	"
"	4248	147 18:57:59	"
"	4306	147 18:59:46	"
"	4319	147 18:02:11	"
"	4336	147 19:05:32	"
"	4365	147 19:11:40	"
"	4383	147 19:15:44	"
"	4429	147 19:25:20	"
"	4513	147 19:42:38	Crossing LOBS-5
"	4529 + 4533	147 19:47:05	No Lat Long Recorded
"	4566	147 19:54:58	"
"	4584	147 19:56:05	"
"	4626 + 4629	147 20:06:50	"
"	4674	147 20:16:36	"
"	4702	147 20:22:15	"
"	4749	147 20:31:20	"
"	4748	147 20:41:11	"
"	4781	147 21:19:14	"
"	4993	147 21:21:43	"
"	5027	147 21:28:17	"
"	5033	147 21:30:22	"
"	5106	147 21:44:27	"
"	5207	147 22:04:25	"
"	5230	147 22:09:01	"
"	5275	147 22:18:20	Crossing LOBS-4
"	5272	147 22:19:30	No Lat Long Recorded
"	5248	147 22:22:46	EOL HKS01-LO4
HKS01-preLO5	1001	147 22:27:48	SOL HKS01-preLO5
"	1027	147 22:36:23	EOL HKS01-preLO5
HKS01-LO5	5299	147 22:37:35	SOL HKS01-LO5
"	5342	147 22:45:27	Increase record length to 10 sec Note FEID#7=short
"	5357	147 22:52:57	No Lat Long Recorded
"	5409	147 22:57:37	Recording the Good Data!
"	5546	147 23:28:25	No Lat Long Recorded

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Cruise	Date	Site#/Survey Name	Operator(s) / Observer(s)
RR1509			
Line Name/ Site Number	File Number	Date/ Time GMT	Remarks
HKS01-LOS	5615	147 23:42:52	No Lat Long recorded
"	5622	147 23:44:34	"
"	5662	147 23:53:02	"
HKS01-LOS	5720	148 00:07:00	"
HKS01-LOS	5755	148 00:11:21	"
"	5776	148 00:15:48	"
"	5800	148 00:20:31	"
"	5837	148 00:28:00	"
"	5986	148 00:58:15	"
"	6095	148 01:20:18	" -38,998282, 178.901661
"	6190	148 ?	last FFID before shut down for marine mammals - made turn to come back on to line.
HKS01-LOSA	6100	148 03:12:	Start of line OS_A * FFID 6100 = SP 6102
"	6157	148 03:22:09	No lat/lon recorded.
"	6211	148 03:32 ?	Last shot prior to compressor failure -
"	6261	148 03:42:47	First shot after start up again.
"	6267	148 03:44:28	No lat/lon recorded!
"	6280	148 03:47:43	"
"	6298	148 03:51:28	"
"	6397	148 04:12 ?	"
"	6413	148 04:14:19	"
"	6524	148 04:35:58	"
"	6559	148 04:42:11	"
"	6572	148 04:44:43	"
"	6755	148 05:20:06	"
"	6756	148 05:20:17	" } consecutive!
"	6776	148 05:23:51	"
"	6844	148 05:36:36	"
"	6982	148 05:05:06	"
"	7094	148 06:17:45	"
"	7152	148 06:39:43	"
"	7158	148 06:40:47	"
"	7197	148 06:48:21	"
"	7381	148 07:26:36	"
"	7400	148 07:30:28	"
"	7516	148 07:55:13	"

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Cruise	Date	Site#/Survey Name	Operator(s) / Observer(s)
RR1509			
Line Name/ Site Number	File Number	Date/ Time GMT	Remarks
HK501 L05	A 7559	148:08:04:36	No Lat / Long
"	7604	148:08:14:46	"
"	7662	148:08:27:58	"
"	7713	148:08:38:58	"
"	7774	148:08:52:21	"
"	7781	148:08:53:51	"
"	7848	148:09:07:51	"
"	7928	148:09:24:13	(LOB5-1) n016 & End of 05-A
"	7930	148:09:24:55	No Lat / Long
HK501 L06	1000	148:10:13:57	START LOG
"	1106	148:10:36:29	NO LAT / LONG
"	1113	148:10:37:48	"
"	1160	148:10:47:51	"
"	1183	148:10:52:49	"
"	1216	148:10:59:36	"
"	1248	148:11:07:02	"
"	1277	148:11:11:36	"
"	1277	148:11:12:51	"
"	1438	148:11:46:04	"
"	1444	148:11:47:06	"
"	1451	148:11:48:36	"
"	1480	148:11:54:44	"
"	1533	148:12:05:51	"
"	1573	148:12:14:34	"
"	1589	148:12:17:51	"
"	1590	148:12:18:04	"
"	1628	148:12:26:14	"
"	1696	148:12:40:36	"
"	1697	148:12:40:39	"
"	1742	148:12:50:21	"
"	1810	148:13:04:36	"
"	1817	148:13:06:06	"
"	1846	148:13:12:20	"
"	1848	148:13:12:45	"
"	1870	148:13:17:21	"
"	1909	148:13:25:21	"
"	1913	148:13:26:31	"

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Cruise	Date	Site#/Survey Name	Operator(s) / Observer(s)
RR1509		HK501.	S.H.
Line Name/ Site Number	File Number	Date/ Time GMT	Remarks
HK501-L06	1782	148 13:40:21	Missing lat / Long
	1988	148 13:41:36	"
	1994	148 13:42:52	"
	2000	148 13:44:06	"
	2006	148 13:45:19	"
	2011	148 13:46:21	"
	2030	148 13:50:13	"
	2092	148 14:03:06	"
	2120	148 14:08:51	"
	2174	148 14:19:51	"
	2175	148 14:20:03	EOL HK501-L06.
HK501-L07		148 15:33:49	SOL = system crash.
	2177	148 15:51:	Start of data collection; 11s interval shooting on time
			50 msec advance in first arrival
	2747	148 17:35:41	Hourly Report. All ok
	3156	148 18:28:24	"
	3363	148 19:29:15	"
	3540	148 20:01:38	EOL HK501-07
HK501-L08	3541	148 21:04:38	START LINE HK501-L08
	3542	148 21:05:29	SHOT DOWN (MAMMALS NEARBY) PSO SIGHTING (~1:05)
	3542	148 21:19:04	RESUME AIRGUN FIRING - shooting on TIME
	3768	148 22:00:13	Hourly Report
	4113	148 23:03:28	"
	4900	149 01:29:00	END OF LINE HK501-L08
HK501-L09	1001	149 02:14:11	START LINE HK501-L09
"	1122	149 02:37:50	Shut down for marine mammal sighting
	1148	149 02:42:50	Restart of line
"	2078	149 05:44:00	File ID 2078 = SP 2054 in shot instant file
	2078	149 05:44	end marine watch for today -
"	2231	149 06:13:07	End of line - HK501-09; over EOB5-04
HK501-L09A	1001	149 06:21:45	Start of line - HK501-10; over EOB5-04
HK501-L09A	1089	149 06:42:50	Dropped birds for HK501-L09-A
"	1120	149 06:50:40	Turn complete
HK501-L09A	1120	149 07:51:49	End of line HK501-L09A; over EOB5-1
HK501-L02	1001	149 08:02:54	Start of HK501-L02; start turn
HK501-L02	1041	149 08:15:17	on line HK501-L02; dropped birds
HK501-L02		149 08:36	on line HK501-L02

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Cruise	Date	Site#/Survey Name	Operator(s) / Observer(s)
RR1508	157-	HK802	
Line Name/ Site Number	June 6 2015 File Number	Date/ Time GMT	Remarks
HK802-L01	1001	158 00:05	Start of line 01 (PEG09-25)
"	1032	00:13	Shut down for fur seal.
"	1143	00:35	Restart - single gun
"	1158	00:38	Shut down - marine mammal.
"	1260	00:59	Restart - single gun.
"	1286	01:05	" - gun 2 - Full power -
"	1610	02:12	shut down for marine mammals (SP 1401)
"	1878	03:09	decision made to turn & try to run a line 11 to the
"	—	—	one - Observers cannot see the present course b/c
"	—	—	of the low sun -
HK802-L30	1001	03:57	start line (L30) - one gun only
"	1012	03:59	shutdown - fur seals.
"	1062	04:09	restart - one gun only.
"	1097	04:16	Both guns firing
"	1192	04:36	shutdown - marine mammals
"	1121 1221	04:42	BOTH GUNS - Restart
"	1285	04:55	Shutdown - marine mammals.
"	1358	05:11	one gun firing
"	1379	05:15	Restart - BOTH guns firing
"	1395	05:19	EOL - starting turn back to Line 01
"	—	05:48	TURN COMPLETE, BIRDS START DIVE
HK802-L01A	2001	0554	L01 - A STARTED
"	3496	1101	END LINE L01-A (START TURN)
HK802-L02	1001	1144	START LINE L02
"	1792	14:14	END OF LINE HK802-L02
HK802-L03	1001	15:07	START OF LINE HK802-L03
"	1810	17:52	END OF LINE HK802-L03
HK802-L04A	1001	18:16	START OF LINE HK802-L04A
HK802-L04A	1451	19:39	END OF LINE HK802-L04A
HK802-L05	1001	20:17	Start of line HK802-L05
HK802-L05	1287	21:15:00	eol HK802-L05
HK802-pel06	—	22:51:26	gun shut down will skip L06 & restart on L04-B
HK802-pel06	—	22:11:11	one gun firing - not recording
"	—	22:13:37	shut down 1 gun firing
"	—	22:24:54	one gun firing - not recording
802-L06	1001	22:30:41	sol HK802-L06 - short line

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Cruise	Date	Site#/Survey Name	Operator(s) / Observer(s)
RR1509			
Line Name/ Site Number	File Number	Date/ Time GMT	Remarks
HKS02-L06	1099	158 22:50:26	EOL HKS02-L06
HKS04-L04-B	1001	158 23:35:21	SOL HKS02-L04-B
"	1509	159 01:19	pause in shooting - compressor problem.
"	1553	159 01:29	resumed - compressors back on line.
"	1567	159 01:32	shut down for marine mammals.
"	1604	159 01:38:50	Resumed shooting - both guns.
"	1619	" 01:42:01	Shut down for marine mammals.
"	1640	" 01:46:25	Resumed shooting - both guns.
"	1663	" 01:51:14	Shut down for marine mammals.
"	1674	" 1:53:32	Resumed shooting - both guns.
"	1688	" 1:56:29	Shut down for marine mammals.
"	1883	02:37:37	One gun firing
"	1910	02:43:03	Gun 2 firing
"	1929	02:46:59	Shut down for marine mammals.
"	1978	02:56:58	Back shooting. Both guns.
"	2079	03:16:35	Shut down for marine mammals.
"	2160	03:32:03	Gun 1 firing
"	2189	03:37:28	Gun 2 firing
"	2206	03:40:38	Shut down for marine mammals.
"	2355	04:08:21	Gun 1 firing.
"	2383	04:13:36	Gun 2 firing.
"	2402	04:17:18	Shut down for marine mammals.
"	2446	04:25:50	Restart shooting. Both guns.
"	2509	04:39:00	shut down for marine mammals
"	2572	04:51:55	Restart shooting. Both guns.
"	2710	05:22:01	EOL HKS02-L04-B
HKS02-L031	1001	06:02:55	SOL HKS02-L031
HKS02-L031	2004	09:55:29	EOL HKS02-L031
HKS02-L10	1001	10:34:26	SOL HKS02-L10 (Birds still at surface)
"	1030	10:44:08	BIRDS AT DEPTH
HKS02-L10	15737	12:23:14	EOL HKS02-L10
HKS02-L12	1001	13:13:00	SOL HKS02-L12
"	1548	15:15:27	EOL HKS02-L12
HKS02-L09	1001	15:59:48	SOL HKS02-L09
"	1524	17:38:00	EOL HKS02-L09
HKS02-L11	1001	18:29:54	SOL HKS02-L11
"	1537	20:30:24	EOL HKS02-L11

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RR1509			
Line Name/ Site Number	File Number	Date/ Time GMT	Remarks
HKS02-L13	1001	21:15:44	SOL HKS02-L13
HKS02-L13	1233	21:56	SHUT DOWN - MAMMALS OBSERVED
HKS02-L13	1290	22:08	one gun - resume shooting
HKS02-L13	1309	22:11	shut down - PSO sighting
HKS02-L13	1359	22:21	resume firing w/ one gun.
HKS02-L13	1388	22:26	shutdown - one PSO sighting.
HKS02-L13	1505	22:48	resume firing one gun
HKS02-L13	1516	22:51	shutdown - PSO sighting
HKS02-L13	1620	23:12	end of line HKS02-L13
HKS02-L13	—	23:34	shutdown - PSO sighting (L13A is L13 in reverse)
		160/00:12:06	
HKS02-L13A	1001	00:06:58	SOL HKS02-L13A
"			
HKS02-L13A	1186	160/00:49:28	shutdown. ca 1187 may have been recorded
HKS02-L13A	1222	160/00:56:00	restart both guns FN 1222
HKS02-L13A	1322	160/01:20	shutdown.
HKS02-L13A	1359	160/01:25:22	restart 2 guns.
HKS02-L13A	1357	160/01:26:49	shut down.
HKS02-L13A	1386	160/01:33:32	start up 2 guns
HKS02-L13A	1721	160/02:55:58	end of L13A.
HKS02-L18			start of L18
pre L18		160/03:20:	shut down guns - not ^{yet} on line
pre L18		160/03:23	restart guns - full power
HKS02-L18	1001	160/03:24:35	start line
HKS02-L18	1044	160/03:33:15	shut down guns.
HKS02-L18	1086	160/03:42:04	guns back on
HKS02-L18	1097	160/03:44:29	guns back down.
HKS02-L18	1146	160/03:55:24	guns back on.
HKS02-L18	1158	160/03:58:39	guns back down.
HKS02-L18	1212	160/04:10:28	guns back up - → FN 1211 → coherent signals - whales
HKS02-L18	1231	160/04:14:45	guns down.
HKS02-L18	1275	160/04:25:38	guns back up
HKS02-L18	1310	160/04:34:42	guns down
HKS02-L18	1343	160/04:41:31	guns back up.
HKS02-L18	1535	160/05:26:58	neutral twilight
"	1934	07:31:41	EOL L18

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