

Deployment 1
Deployment 2
Line S1 was cut short, gear was recovered to chase detached mooring.

Line #	Shot (FFID)	Time (GMT)	Remarks (Seas, objective, unusual events)
S1	1001	1714	Only 45 test shots recorded
S2	1046	1608	Cycle Time 30sec
S2	1065	1617	Δ Cycle Time to 25 sec
S2	1074	1621	Δ Cycle Time to 20 sec
S2	1089	1626	Δ cycle time to 15 sec
S2	1115	1633	Δ cycle time to 16 sec
S2	1277	1716	Δ cycle time to 18 sec
S2	1654	1654 1909:52	Δ Cycle time 17 sec
			Note!!! There is an offset in time GMT listed in the slot
			Leads is too fast by 2 minutes and 42 seconds
S2	1763	1939	Time corrected/serial data error
S2	1773	1940	Serial data restored
S2	2190	2138:28	End of Line 2
S3	2191	22:09:40	BEGIN LINE 3
S3	2658-2662	23 58	HYPAC ERROR WHEN HYPAC TIME READ 0000Z
S3	3200	0414	Trigger time threshold exceeded. (due to track deviation)
S3	3374	025826	Trigger time threshold exceeded (track deviation)
S3	3552	034634	Trigger time threshold exceeded
S3	3567	035041	Trigger time threshold exceeded
S3	3583	035507	Trigger time threshold
S3	3610	04 02 58	Trigger time threshold exceeded.
S3	3624	04 07 32	" " " "

19

10:17

12:59

Jan 27
Jan 28

midday
29th

Line #	Shot (FFID)	Time (GMT)	Remarks (Seas, objective, unusual events)
53	3637	04 12 01	Trigger time threshold exceeded (2x)
	3638		"
	3639		"
	3642	04 13 01	"
	3645	04 14 01	"
	3647	04 14 59	"
	3651	04 15 55	"
	3654	04 17 01	"
	3656	04 17 41	"
	3669	04 21 26	"
	3676	04 23 17	"
	3682	04 25 08	"
	3685	04 25 46	"
	3689	04 26 56	"
	3692	04 28 01	"
	3711	04 33 15	"
	3717	04 35 12	"
	3719	04 35 34	"
	3721	04 36 36	" (2x).
	3723	04 37 24	"
	3726	04 38 10	" (2x).
	3731	04 39 28	"
	3734	04 40 23	"
	3736	04 41 10	"
	3745	04 43 47	"
	3749	04 44 41	"
	3753	04 46 02	"
	3754	04 46 30	"
	3757	04 47 05	"
	3762	04 48 46	"
	3764	04 49 09	"

Line #	Shot (FFID)	Time (GMT)	Remarks (Seas, objective, unusual events)
53	3768	04 50 47	TTT EXCEEDED TT
53	3773	04 52 14	TTT EXCEEDED TT
53	3781	04 54 47	TTT EXCEEDED TT
53	3792	04 57 49	"
53	3800	05 00 05	"
53	3802	05 00 59	"
53	3838	05 11 12	"
53	3855	05 16 05	"
53	3859	05 16 57	"
53	3860	05 17 33	"
53	3862	05 18 08	"
53	3866	05 19 17	"
53	3869	05 20 08	"
53	3871	05 20 41	"
53	3874	05 21 36	"
53	3881	05 23 37	"
53	3886	05 25 05	"
53	3919	05 34 36	"
53	3949	05 42 59	"
53	3957	05 46 29	"
53	3977	05 51 19	"
53	4053	06 12 19	"
53	4137	06 36 14	"
53	4144	06 38 17	"
53	4145	06 38 40	"

Line #	Shot (FFID)	Time (GMT)	Remarks (Seas, objective, unusual events)
53	4159	064311 064242	TRIGGER TIME THRESHOLD EXCEEDED
53	4160	064311	"
53	4170	064607	"
"	4173	064702	"
53	4226	070242	"
53	4229	070337	"
53	4232	070427	"
53	4246	070844	"
53	4266	071404	"
53	4304	072449	"
53	4305	072510	"
53	4503	08 28 12	"
53	4510	08 30 25	"
53	4562	08 47 36	"
53	4564	08. 48. 18	"
53	4596	08. 59. 23	"
53	4811	10 06 21	Third bird above limit
53	4819	10 08 27	ALL BIRDS BACK WITHIN LIMITS
53	4946	10 46 25	FIRST BIRD ABOVE LIMIT
53	4948	10 46 54	ALL BIRDS WITHIN LIMITS
53	5360	12 52 20	TRIGGER TIME THRESHOLD EXCEEDED
53	5379	1258 21	"
53	5433	13 16 47	DELTA ERROR GUN 1
53	5477	13 31 06	TRIGGER TIME THRESHOLD exceeded

Line #	Shot (FFID)	Time (GMT)	Remarks (Seas, objective, unusual events)
S3	5533	13 52 24	Trigger time threshold exceeded
S3	5541	13 57 20	"
S3	5554	14 00 34	"
S3	5555	14 01 08	"
S3	5563	14 04 41	"
S3	5571	14 07 54	"
S3	5588	14 14 14	gun 2 delta error
S3	5593	14 16 23	TTT exceeded
S3	5605	14 20 58	gun amplitude threshold exceeded
S3	5733	15 09 34	gun amplitude threshold
S3	5753	15 12	1st 1st bird out of green (strong current).
S3	5760	15 14 46	trigger time threshold exceeded
S3	5766	15 16 55	gun amplitude threshold exceeded.
S3	5771	15 18 49	gun2delta history.
S3	5828	15 37 45	trigger time threshold
S3	5905	16:04	Last shot of Line 53
			Turning North for next line

Line #	Shot (FFID)	Time (GMT)	Remarks (Seas, objective, unusual events)
S4 S4	5906 5906	16 32	Starting line S4.
S4	6147	17:50	gun 2 turned off (deliberate) => associated amp error ↳ to fill compressor back up.
S4	6177	18:01	Gun 2 back online.
S4	6212	18:13	Amplitude threshold exceeded.
S4	6927	21:36	serial string not detected
S4	7408	00:00	SHOT ERROR (TIMING SKEW) + DATA ERROR
S4	7618	55:18	SERIAL STRING NOT DETECTED
S4	7757	01:32	SERIAL STRING NOT DETECTED
S4	7770	01:36	"
S4	7927	02:16	GUNS 1+2 SHUT-OFF
	7935		3.5 Kts (N.B. speed varies ± 0.3 Kts,
	7940		3.2 Kts num shams is approx min)
	7947		3.2
	7956		2.7
	7962		2.7
	7964		2.5
S4	7967	02:28	LAST SHOT OF S4
END Line S4			
Green is recovered			

Line #	Shot (FFID)	Time (GMT) <u>1 Feb 2012</u>	Remarks (Seas, objective, unusual events)
S5	7968	0902	Start Line S5 on Third deployment
			deployed gear to the SW, came
			right to CMG ~ 070
	8050	0926	Birds have not stabilized
S5	8562	12:00	Birds fluctuating in and out of ideal depth range.
			B01 frequently above range
S5	8734	1252	BIRDS 1-3 frequently above range
S5	8780	1305	SERIAL STRING NOT DETECTED
S5	9000	1411	SHOT DOWN GUN 2
S5	9018	141647	Spread errors 3 of 4 out of crew
S5	9019	141705	" " "
S5	9033	141817	Serial string not detected
S5	9031	142041	" " " "
S5	9044	142435	GUN 2 Restarted
S5	9060	142923	GUN 2 SHUT DOWN
S5	9075	143353	GUN 2 Restarted
S5	9163	1500	Birds still out of range frequently
S5	9181	1505	Gun 2 Shut down
S5	9211	15:15:06	Serial string not detected
	9219		fixed.
S5	9227	15.19.28	Gun 2 online
S5	9229	15 21	delta errors for gun 2
S5	9240	1523	Gun 2 SHUT DOWN
S5	9310	1544	Gun 2 reactivated (couple of Δ errors @ start)

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Line #	Shot (FFID)	Time (GMT)	Remarks (Seas, objective, unusual events)
S6	10540	23:34:17	BEGIN LINE S6
S6	10604 10620	00:00:00	FFID CLOSEST TO 00:00:00, SOMEWHERE BETWEEN FFID'S
S6	/	/	10604 AND 10620 EXISTS A SHOT WITH A GUN SPREAD ERROR
S6	10908	01:55:23	TRIGGER TIME THRESHOLD EXCEEDED
S6	11073	02:59:48	Serial string not detected
S6	11118	03:16:56	"
S6	11120	03:17:30	"
S6	11126	03:19:40	"
S6	11128	03:20:46	"
S6	11129	03:21:08	"
S6	11139	03:24:08	Serial string not detected.
S6	11140	03:24:54	"
S6	11149	03:28:12	Trigger time threshold exceeded
S6	11150 thru 11153	03:28:51	Serial String not detected
S6	11154-60	03:32:11	"
S6	11175	03:38:06	"
S6	11184	03:42:05	TTT exceeded
S6	11192	03:44:48	serial string not detected
S6	11195	03:46:02	"
S6	11196	03:46:34	"
S6	11200	03:48:08	TTT exceed
S6	11202	03:49:19	TTT exceed
S6	11211	03:53:11	Serial string not detected
S6	11216	03:55:23	TTT exceeded

Line #	Shot (FFID)	Time (GMT)	Remarks (Seas, objective, unusual events)
S6	11221	035709	TTT exceeded
S6	11222	035752	serial string not detected
S6	11231	03 040035	TTT
S6	11235	040220	ss not det.
S6	11238	040332	TTT exceeded
S6	11243	040538	ss not det.
S6	11245	040614	ss not det.
S6	11248	040741	ss not det.
S6	11255	041004	"
S6	11258	041108	"
S6	11259	041130	"
S6	11264	041315	TTT exceeded
S6	11265	041402	ss not det.
S6	11275	041736	TTT exceeded
S6	11282	042021	TTT exceeded
S6	11295	042500	TTT exceeded
S6	11297	042619	"
S6	11305	042903	"
S6	11310	043111	"
S6	11319	043506	serial string not detected.
S6	11321	043535	"
S6	11321	043551	Trigger time threshold exceeded
S6	11324	043720	"
S6	11328	043901	"



Line #	Shot (FFID)	Time (GMT)	Remarks (Seas, objective, unusual events)
Sb.	11332	04 40 16	Serial string not detected.
Sb.	11341	04 43 25	Trigger time threshold exceeded.
Sb.	11341	04 43 40	SS not det.
Sb.	11343	04 44 48	SS not det.
Sb.	11343	04 44 48	TTT exceeded
Sb.	11349	04 47 11.	TTT ex.
Sb.	11351	04 47 48	SS not det.
Sb.	11361	04 52 13.	TTT exc.
Sb.	11372	04 56 16	TTT exc.
Sb.	11374	04 56 36	signal string is not det.
Sb.	11378	04 57 32	"
Sb.	11380	04 58 43	TTT exc.
Sb.	11383	05 00 30	"
Sb.	11383	05 00 30	sig. str. not det.
Sb.	11388	05 03 03	TTT exc.
Sb.	11391	05 04 02	SS not det.
Sb.	11396	05 05 57	TTT exc.
Sb.	11402	05 07 56	TTT exc
Sb.	11402	05 07 56	SS not det.
Sb.	11406	05 09 34	"
Sb.	11414	05 12 08	"
Sb.	11418	05 13 24	TTT exc
Sb.	11418	05 13 44	SS not d
Sb.	11424	05 15 39	TTT exc
Sb.	11439	05 21 03	TTT exc
Sb.	11440	05 21 48	TTT exc + string not detected. serial
Sb.	11447	05 24 38	SS not det.

Line #	Shot (FFID)	Time (GMT)	Remarks (Seas, objective, unusual events)
56	11451	052541	ss not det
56	11461	052915	Serial string not detected
56	11471	053328	" "
56	11472	053349	Trigger
56	11473	053409	Serial string not detected
56	11506	054545	Trigger
56	11533	055502	Serial string not det.
56	11540	055751	TTT
56	11549	055930	Serial
56	11552	060208	Serial string not detected
56	11564	060606	"
56	11580	061156	"
56	11598	061755	TTT
56	11602	061933	TTT
56	11602	061953	Serial string not detected
56	11613	062334	"
56	11614	062354	TTT
56	11622	062712	"
56	11621	062712	Serial string not detected
56	11623	062801	TTT
56	11627	062939	"
56	11632	063122	Serial string
56	11633	063210	"
56	11634	063210	TTT
56	11636	063314	Serial string

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Line #	Shot (FFID)	Time (GMT)	Remarks (Seas, objective, unusual events)
56	11646	063636	Serial string not detected
56	11648	063718	"
56	11655	063948	"
56	11656	064010	"
56	11657	064032	"
56	11658	064052	"
56	11659	064112	"
56	11672	064512	"
56	11673	064532	"
56	11681	064816	"
56	11685	064938	"
56	11694	065228	"
56	11695	065245	"
56	11696	065339	"
56	11696	065340	Trigger time threshold exceeded
56	11697	065353	Serial string
56	11718	070126	"
56	11719	070146	"
56	11730	070508	"
56	11733	070610	"
56	11734	070630	"
56	11774	072056	Trigger time
56	11778	072228	Serial string
56	11779	072250	"
56	11780	072314	"

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Line #	Shot (FFID)	Time (GMT)	Remarks (Seas, objective, unusual events)
56	11807	07:32:53	TTT EVENT
56	11810	07:34:02	"
56	11828	07:40:51	"
	11848	07:48:39	SERIAL STRING (\$GPGLA) NOT RECEIVED
	11849	07:48:49	"
	11852	07:50:00	"
	11853	07:50:19	"
	11868	07:57:32	TTT EVENT
	11873	08 01 57	"
	11881	08 03 17	"
56	11885	080535	"
56	11887	080637	"
56	11891	080823	"
56	11893	080936	"
56	11897	081128	"
56	11905	081315	"
56	11903	081442	"
56	11904	081521	"
56	11907	081619	"
56	11917	082023	"
56	11926	082336	"
56	11932	082614	"
56	11962	0836	Nav Error Gun Mixture
56	12166	095405	TTT

Line #	Shot (FFID)	Time (GMT)	Remarks (Seas, objective, unusual events)
S6	12226	1018	TRIGGER TIME THRESHOLD exceeded
S6	12227	1019	"
S6	12299	1048	"
S6	12302	1050	"
S6	12519	1211	END OF LINE S6
S7	12520	1229	Start of Line S7
S7		¹³ ■:48	Gun 1 error (exceeded threshold of negative 1)
S7	14119	0000	DELTA ERROR (NEW DAY)
S7	14247	0058	TRIGGER TIME THRESHOLD exceeded
S7	14301	0122	"
S7	14343	0142	" " "
S7	14509	0257	TTT exceeded
S7	14521	0303	" "
S7	14750	0439 41	passed over red-tide thing
S7	14839	05:16:14	LAST LINE S7
	14840		
			EOF S7
* WITH ~3 SHOTS PER MINUTE (~20 SECONDS BETWEEN SHOTS) AND ~6 MINUTES TO RECONFIGURE THE ACQUISITION THE UPPER BOUND ESTIMATE OF SHOTS MISSED IS:			

$$6 \text{ MIN} \cdot \frac{60 \text{ SEC}}{1 \text{ MIN}} \cdot \frac{1 \text{ SHOT}}{20 \text{ SEC}} \approx 18 \text{ SHOTS}$$

[illegible]

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