

UT-INSTITUTE FOR GEOPHYSICS

DFS LOG

PAGE 1 of 22CRUISE FM 32 LINE SC 85PROJECT Student Cruise IXDATE May 27, 1986

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP. RATE	FLD	1	STREAMER DPTH				WATER DEPTH	REMARKS	OB init.
								2	4	5	6			
G32001	22:26:00	FIRST 350	345	SEC 8	SEC 20								streamer depths in feet	
	22:34:40	MIDN 376	368		20		56	50	50	31	30			
	22:37:40	LAST 385	377		20		57	51	50	30	30			
G32002	22:38:00		378		20		56	50	50	51	30			
	22:43:20		402		20		55	50	50	30	28			
	22:48:20		417		20		54	46	45	27	28			
G32003	22:48:40		418		20		54	46	45	27	28			
	22:53:20		432		20		55	45	45	28	25			
	22:59:00		449		20		55	45	45	30	30			
G32004	22:59:20		450		20									
	23:07:00		473		20									
	23:07:20		489		20		55	45	45	30	30			
G32005	23:12:40		490		20		55	46	48	30	30			
	23:18:00		506		20		57	48	48	29	28			
	23:22:40		520		20		57	51	49	30	30			
G32006	23:23:00		521		20		57	52	50	30	30		Bad Tape	
	23:28:20		537		20		57	52	51	32	30			

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP. RATE	FLD	STREAMER DPTH					WATER DEPTH	REMARKS	OB init.
							1	2	4	5	6			
	23:33:00	551	536	8	20		57	52	48	29	28			
G 32007	23:33:20	552	537		20		57	52	48	29	28			
	23:38:40	568	553		20		58	50	47	28	29			
	23:43:40	583	568		20		56	48	47	28	27			
G 32008	23:44:00	584	569		20		56	48	46	28	27			
	23:49:00	599	584		20		35	45	45	27	25			
	23:53:40	613	598		20		55	47	47	30	30			
G 32009	23:54:00	614	599		20		55	47	45	30	30			
	23:58:40	628	613		20		56	49	58	31	30			
	00:04:00	644	621		20		55	47	45	27	27		Date Change	
G 32010	00:04:20	645	630		20		55	47	45	27	27			
	00:09:20	660	645		20		22	45	45	27	27		Problem with #1 Depth indicator (feet)	
	00:14:20	675	660		20		20	47	47	30	27			
G 32011	00:14:40	676	661		20		20	47	47	30	30			
	00:19:20	690	675		20		55	47	47	30	30		Depth Indicator #1 seems to be fixed	
	00:24:40	706	691		20		53	45	45	28	28			
G 32012	00:25:00	707	692	8	20		51	45	45	28	27			

CRUISE FM32LINE SC85PROJECT Student Cruise IXDATE May 28, 1986

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP. RATE	FLD	STREAMER DPTH					WATER DEPTH	REMARKS	OB init.
							1	2	4	5	6			
	00:30:00	722	707	8	20		52	45	45	27	27			
	00:35:00	737	722	1	20		54	47	46	30	29		} Gap in data - Squad didn't fire on time	
G32013	00:37:00	743	723		20		54	46	47	30	30			
	00:41:40	757	737		20		53	46	46	28	27			
	00:47:00	773	753		20		52	49	48	30	29			
G32014	00:47:20	774	754		20		51	49	47	30	29			
	00:52:00	788	768		20		54	45	46	29	28			
	00:57:20	804	784		20		55	47	47	30	30			
G32015	00:57:40	805	785		20		55	47	47	30	30			
	1:02:20	819	799		20		55	45	46	28	27			
	1:07:20	834	814		20		54	44	45	28	27			
G32016	1:07:40	835	815		20		54	44	45	28	27			
	01:12:40	850	830		20		55	45	45	27	26			
	01:17:40	865	845		20		54	42	44	26	26			
G32017	01:18:00	866	846		20		54	42	44	26	26			
	01:23:00	881	861		20		55	44	46	29	28			
	01:28:00	895	876	8	20		54	42	43	26	26			

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP. RATE	FLD	STREAMER DPTH					WATER DEPTH	REMARKS	OB init.
							1	2	4	5	6			
G32018	01:28:20	897	877	8	20		55	42	44	25	26			
	01:33:20	912	892	1			55	42	45	27	27			
	01:38:20	927	907	1			55	43	45	28	27			
G32019	01:38:40	928	908				55	43	45	28	27			
	01:43:40	943	923				55	43	45	29	28			
	01:48:40	958	938				51	42	45	27	28			
G32020	01:49:00	959	939				51	42	45	26	27			
	01:54:00	974	954				51	42	45	28	27			
	01:59:00	989	969				54	44	45	27	28			
G32021	01:59:20	990	970				54	44	45	27	28			
	02:04:20	1005	985				55	44	45	28	29			
	02:09:20	1020	1000				54	43	44	26	29			
G32022	02:09:40	1021	1001				54	42	44	27	29			
	02:14:40	1036	1016				55	44	45	29	30			
	02:19:40	1051	1031				54	43	45	27	28			
G32023	02:20:00	1052	1032	1			54	43	45	26	28			
	02:25:00	1067	1047	3	20		54	42	44	25	27		END SC85	

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP. RATE	FLD	STREAMER DPTH					WATER DEPTH	REMARKS	OB init.
							1	2	4	5	6			
	02:30:00	<sup>1068</sup> 1082	062	8	20		54	43	45	26	27		1068 Begin SC 86	
G32024	02:30:20	1083	063				54	43	44	25	27			
	02:35:20	1098	078				48	42	44	25	26			
	02:40:20	1113	093				55	45	45	26	27			
G32025	02:40:40	1114	094				55	45	44	26	28			
	02:45:40	1129	109				55	44	46	26	28			
	02:50:40	1144	124				55	45	45	26	28			
G32026	02:51:00	1145	125				55	46	45	26	28			
	02:56:00	1160	140				55	43	44	26	29			
	03:01:00	1175	155				55	45	45	28	29			
G32027	03:01:20	1176	156				55	44	45	27	29			
	03:06:20	1191	171				53	42	44	26	28			
	03:11:20	1206	186				53	44	44	26	29			
G32028	03:11:40	1207	187				53	45	44	26	29			
	03:16:40	1222	202				50	42	45	26	28			
	03:21:40	1237	217				25	45	45	26	29			
G32029	03:22:00	1238	218	8	20		30	45	45	26	29			

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP RATE	FLD	STREAMER DPTH					WATER DEPTH	REMARKS	OB init.
							1	2	4	5	6			
	03:27:00	1253	233	8	20		38	44	45	26	28			
	03:32:00	1268	248				46	43	45	25	28			
G 32030	03:32:20	1269	249				52	43	45	26	27			
	03:37:20	1284	264				55	44	45	26	28			
	03:42:20	1299	279				55	45	45	26	29			
G 32031	03:42:00	1300	280				55	45	45	26	28			
	03:47:40	1315	295				55	42	45	26	28			
	03:52:40	1330	310				55	42	44	26	27			
G 32032	03:53:00	1331	311				56	44	44	25	27			
	03:58:00	1346	326				56	45	45	26	29			
	04:03:00	1361	341				70	63	60	40	46			
G 32033	04:03:20	1362	342				74	65	62	42	49			
	04:08:20	1377	357				92	82	70	40	43			
	04:13:20	1392	372				85	75	65	40	43			
G 32034	04:13:40	1393	373				85	75	65	40	43			
	04:18:40	1408	388				88	76	67	42	44			
	04:23:40	1424	403	8	20		90	88	67	42	44			

CRUISE FM-32 LINE SC-86PROJECT Student Cruise IXDATE May 28, 1986

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP. RATE	FLD	STREAMER DPTH					WATER DEPTH	REMARKS	OB init.
							1	2	4	5	6			
G 32035	04:24:00	1425	404	8	20		90	78	67	42	44			
	04:29:00	1440	419				87	76	66	42	44			
	04:34:00	1455	434				86	77	66	41	43			
G 32036	04:34:20	1456	435				86	76	66	41	44			
	04:39:20	1471	450				86	78	67	41	44			
	04:44:20	1486	465				84	74	67	41	43			
G 32037	04:44:40	1487	466				84	71	67	42	43			
	04:49:40	1502	481				84	76	67	40	42			
	04:54:40	1517	496				88	77	66	40	41			
G 32038	04:55:00	1518	497				91	77	66	40	41			
	05:00:00	1533	512				90	78	68	42	42			
	05:05:00	1548	527				94	83	76	45	45			
G 32039	05:05:20	1549	528				95	83	77	46	45			
	05:10:20	1564	543				100+	87	72	42	43			
	05:15:20	1579	558				96	85	72	42	43			
G 32040	05:15:40	1580	559				96	84	72	42	43			
	05:20:40	1595	574				99	87	74	42	43			

CRUISE FM 32 LINE SC 86/81 PROJECT Student Cruise IXDATE 5/28/86

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP RATE	FLD	STREAMER DPTH					WATER DEPTH	REMARKS	OB init.
							1	2	4	5	6			
G32040	05:25:40	1610	589	8	20		100	91	79	45	46	670FA	SHOT DOWN ONE GUN	
G32041	05:26:00	1611	590				100	92	80	45	46	670FA	OPERATING ON ONLY 1 GUN	
	05:31:00	1626	605				100	98	87	48	47	670FA		
	05:36:00	1641	620				100	100	87	47	45	668FA	BOTH GUNS AGAIN EMPLOYED	
G32042	05:36:20	1642	621				100	100	87	46	45	668FA		
	05:41:20	1657	636				100	100	83	45	44	670FA		
	05:46:20	1672	651				100	96	83	45	43	675FA		
G32043	05:46:40	1673	652				100	95	82	44	42	675FA		
	05:51:40	1688	667				90	80	61	34	39	674FA		
	05:56:40	1703	682				55	49	46	30	39	676FA	BEGINS SC 87	
G32044	06:02:00	1719	686				65	62	56	35	36	676FA	GUN DEFECTIVE LOSS OF DATA	
	06:07:00	1734	701				69	64	55	35	36	676FA	BAD TAPES; DATA RESUMED	
	06:12:00	1749	716				71	66	54	34	35	680FA	SWITCH TO HIGH DENSITY DATA TAPES	
	06:12:20	1750	717				71	66	55	34	35	680FA	NEW RECORDING TIMES 1, 36, 71, 115	
	06:25:20	1789	756				55	48	46	28	29	677FA	DOWN TO ONE ENGINE	
	06:40:20	1834	801				61	59	55	35	34	681FA		
G32045	06:44:00	1845	803	9	20		61	58	54	33	32	682FA	BAD TAPES LOST ALL SHOTS	

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP RATE	FLD	1	STREAMER DPTH				WATER DEPTH	REMARKS	OB init.
								2	4	5	6			
G32045	06:55:40	1880	838	8	20		62	58	54	34	32	670 FA		
	07:07:20	1955	873				65	62	55	34	30	665 FA		
	07:22:00	1959	917				65	63	56	34	33	655 FA		
G32046	07:22:20	1960	918				65	63	56	34	33	655 FA	AGAIN BAD TAPE	
	07:34:00	1995	953				62	61	54	32	31	607 FA	SHOT 1960 PROB. NOT FIRST RECORD ON G32046	
	07:45:00	2028	986				66	66	64	39	38	584 FA		
	08:00:00	2073	031				54	46	45	26	25	545 FA		
G32047	08:00:20	2074	032				54	46	45	21	25	545 FA		
	08:12:00	2109	067				58	57	55	34	32	545 FA		
	08:24:40	2144	102				56	55	55	31	29	560 FA		
	08:38:20	2188	146				55	52	48	30	28	641 FA		
G32048	08:38:40	2189	147				55	52	48	30	28	641 FA		
	NO TIME AVAILABLE	2224	182				55	51	47	38	27	636	DATA LOGGER CRASHED AT	
	TIME NOT AVAILABLE	2259	217				56	53	49	30	29	636	SHOT # 2211 CRASHED AGAIN	
	9:16:40	2303	261				56	52	48	29	29	537 FA	AT SHOT # 2253	
G32049	9:17:00	2304	262				56	52	47	29	28	537 FA		
	9:28:40	2339	297		20		57	55	50	30	29			

CRUISE FM 32 LINE SC 87

PROJECT Student Cruise LX

DATE 5/28/86

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP RATE	FLD	STREAMER DPTH					WATER DEPTH	REMARKS	OB init.
							1	2	4	5	6			
G32049 (CONT)	NOT AVAILABLE	2374	332	8	20		60	59	55	33	39	548 FA	SYSTEM CRASH LOST ONE (GUN)	
	9:55:00	2418	376				100*	100*	100*	77	68	516 FA	SLOWED TO REMOVE IT.	
G32050	9:55:20	2419	377				100*	100*	100*	74	57	516 FA	BACK TO SPEED	
	10:07:00	2454	412				56	55	47	29	28	520 FA	STILL ONLY ONE GUN	
	10:18:40	2489	447				56	54	50	30	29	522 FA		
	NOT	2533	491				56	54	47	29	27	437 FA	LOGGER DOWN	
G32051	AVAILABLE	2534	492				56	54	48	29	27	437 FA	NO TIME	
	10:45:20	2569	527				61	61	55	32	31	580 FA		
	10:53:00	2592	550				100*	100*	100*	51	40	585 FA	DROP IN SPEED DUE TO BAD GUN	
	10:57:00	2604	562				75	72	61	33	30	654 FA	SPEED INCREASED	
	11:06:40	2	-										BOTH GUNS ON LINE	
	11:11:40	2648	606				69	72	70	41	39	575 FA		
G32052	11:12:00	2649	607				69	72	70	41	39	575 FA		
	11:23:40	2684	642				77	80	76	43	39	565 FA		
	11:35:20	2719	677				72	75	69	40	36	569 FA		
	11:50:00	2763	721				59	60	52	30	29	596 FA	INCREASED SPEED TO 4.3 KNOTS TO	
G32053	11:50:20	2764	722				59	60	52	31	29	596 FA	CORRECT FOR TAIL CURRENT.	

[illegible]



CRUISE FM 32

LINE SC 89

PROJECT NWGVIF OF MEXICO

DATE 5-28-86

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP RATE	FLD	1	STREAMER DPTH				WATER DEPTH	REMARKS	OB init.
								2	4	5	6			
G 32058 cont.	15:39:20	3451	409	8	20		54	45	44	26	26	FATHOMS 577	1st shot of SC 89 is 3408	
G 32059	15:39:40	3452	410				54	45	44	27	26	577	turn complete	
	15:51:20	3487	445				57	54	47	28	26	578		
	16:03:00	3522	480				57	52	48	30	30	483		
	16:17:40	3566	524				60	56	53	34	30	570		
G 32060	16:18:00	3567	525				60	56	53	34	30	580		
	16:29:40	3602	560				57	55	51	31	30	651		
	16:41:20	3637	595				62	59	53	32	31	676		
	16:56:00	3681	639				57	50	46	27	27	690		
G 32061	16:56:20	3682	640				57	50	46	27	27	690		
	17:08:00	3717	675				57	55	52	31	30	695		
	17:19:40	3752	710				56	51	57	30	28	695		
	17:34:00	3795	753				55	50	45	26	25	697		
G 32062	17:34:20	3796	754				55	48	45	26	21	697	going into a turn	
	17:46:00	3831	789				55	47	45	26	26	694	changing sensor line to SC 90	
	17:57:40	3866	824				55	50	47	29	27	688		
	18:12:20	3910	868				55	47	45	21	24			

[illegible]

CRUISE FM32

LINE SC 91

PROJECT NW Gulf of Mexico

DATE 5/28/86

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP RATE	FLD	1	STREAMER DPTH				WATER DEPTH	REMARKS	OB init.
								2	4	5	6			
32067	20:46:00	4371	329	9	20		57	57	53	32	30	781		
	20:57:40	4406	364	1			59	59	54	31	30	778	ONE GUN OUT (PORT GUN)	
	21:09:20	4441	399				97	95	86	46	31	785	SPEED DECREASED TO CHECK PORT GUN	
	21:24:00	4485	443				55	51	47	30	26	785		
32068	21:24:20	4486	444				55	51	48	29	26	785		
	21:36:00	4521	479				54	48	45	28	26	755		
	21:47:40	4556	514				55	50	48	29	26	718		
	22:02:20	4600	558				56	55	51	32	34	713		
G 32069	22:02:40	4601	559				60	60	58	36	32	713	SLOWED TO PUT PORT GUN IN.	
	22:14:20	4636	594				56	55	50	30	28	698	BOTH GUNS IN WATER.	
	22:26:00	4671	629				57	56	52	31	30	712		
	22:40:40	4715	673				58	57	55	31	31	738		
G 32070	22:41:00	4716	674				58	57	55	32	31	738		
	22:52:40	4751	709				58	58	55	34	31	735		
	23:04:20	4786	744				58	58	56	33	30	725		
	23:19:00	4800	788				57	57	53	31	30	720		
G 32071	23:19:20	4831	789				57	57	53	31	30	720		

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP RATE	FLD	1	STREAMER DPTH				WATER DEPTH	REMARKS	OB init.
								2	4	5	6			
—	23212			8	20								SYNCH GUNS USING TOWED PHONE	KAB.
632071 (cont)	23:31:00	4866	824				56	56	56	35	32	715		
	23:42:40	4901	859				59	60	55	32	31	712	23:25 TO 00:05 GUNS FIRE AT A	
	23:57:00	4945	903				58	60	57	35	31	735	LOWER PRESSURE	
G 32072	23:57:20	4946	904				58	60	57	35	31	735		
	00:09:00	4981	939				60	62	60	36	34	775	NEW DAY 29 May	
	00:20:40	5016	974				60	61	57	35	34	808		
	00:35:20	5060	018				57	59	55	33	31	807		
G 32073	00:35:40	5071	029				57	59	55	34	30	807	LOST 5061 THROUGH 5070 DUE TO	
	00:50:40	5106	056				58	60	55	33	30	806	TAPE DRIVE FAILURE	
	01:02:20	5141	091				60	62	57	34	31	808		
	01:17:00	5185	135				59	61	57	35	33	807		
G 32074	01:17:20	5186	136				59	61	58	35	33	807		
	01:29:00	5221	171				59	52	57	34	32	807		
	01:42:40	5262	212				59	59	56	33	30	804		
	01:55:20	5300	250				60	61	55	32	29	784		
G 32075	01:55:40	5301	251				60	61	55	32	29	784		

35 35 44

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP RATE	FLD	1	STREAMER DPTH				WATER DEPTH	REMARKS	OB init.
								2	4	5	6			
G32075	02:07:20	5336	286	8	20		60	63	59	35	32	679		KK
	02:19:00	5371	321	1	1		60	62	58	33	31	671		
	02:33:40	5415	365	1	1		57	58	56	33	31	640		
G32076	02:34:00	5416	366	1	1		57	57	55	33	31	640	started turn to SC92 at ~ 02:38Z	
	02:45:40	5451	401	1	1		55	52	46	27	26	641	1st shot of SC92	
	02:02:20	5501	451	1	1		55	49	46	27	24	642		
	03:12:00	5530	480	1	1		54	46	45	26	26	675		
G32077	03:12:20	5531	481	1	1		55	46	47	28	29	675	slowing from completed fast turn	
	03:23:00	5566	516	1	1		100+	100+	96	50	47	678	increasing speed to pull up our birdies	
	03:36:20	5603	553	1	1		57	54	47	27	27	690	4.3 knots	
	03:50:20	5645	595	1	1		81	76	70	44	44	695		
G32078	03:50:40	5646	596	1	1		82	77	72	44	44	695		
	04:01:00	5677	627	1	1		67	63	55	34	34	695		
	04:14:20	5717	667	1	1		76	73	67	40	40	689		
	~ 04:20:39	5735	685	1	1								Guns out of control	
	04:28:40	5760	710	1	1		60	59	51	30	29	687	Guns sound better but still misfiring	
G32079	04:29:00	5761	711	1	1		60	59	51	30	29	687		

[illegible]

[illegible]

CRUISE FM 32

LINE SC 93

PROJECT NW

GULF OF MEXICO

DATE 29 MAY 86

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP RATE	FLD	STREAMER DPTH					WATER DEPTH	REMARKS	OB init.
							1	2	4	5	6			
632087	09:35:40	6681	631	8	20		60	57	53	31	33	415	NEW LINE SC-93	
	9:47:20	6716	686				61	57	62	31	31	404		
	9:55:40	6741	721				59	55	50	30	30	395		
	10:10:20	6785	735				61	57	55	31	31	383		
632088	10:10:40	6786	736				61	57	54	31	31	383	? LOST 8 RECORDS NOT SURE HOW	
632088	10:13:20	6794	744											
	10:25:00	6829	779				57	53	50	30	31	363		
	10:36:40	6864	814				57	53	49	30	30	345		
	10:51:20	6908	858				58	53	51	31	31	329		
632089	10:51:40	6909	859				58	52	51	31	31	329		
	11:03:20	6944	894				60	56	54	33	32	316		
	11:15:00	6979	929				61	56	51	31	31	292		
	11:29:40	7023	973				60	56	51	31	31	260		
632090	11:30:00	7024	974				60	56	51	31	31	260		
	11:41:40	7059	009				64	60	52	30	31	245		
	11:53:20	7094	044				62	60	56	35	35	230		
	12:08:00	7138	088				63	60	55	35	34	208		

CRUISE FM 32 LINE SC-93

PROJECT NW GULF OF MEXICO

DATE 29 MAY 86

REEL NUMBER	TIME	SHOT #	RECORD #	REC LEN	REP RATE	FLD	1	STREAMER DPTH				WATER DEPTH	REMARKS	OB init.
								2	4	5	6			
G 32091	12:08:20	7139	1089	8	20		63	60	55	35	35	208		
	12:20:00	7174	1124	1	1		66	64	56	35	34	192		
	12:31:40	7209	159	1	1		63	60	53	31	33	186		
	12:46:20	7253	203	1	1		61	60	56	35	35	173		
G 32092	12:46:40	7254	204	1	1		62	60	56	35	35	173		
	12:58:20	7289	239	1	1		64	60	52	31	32	160		
	13:10:00	7324	274	1	1		58	55	50	30	31	141		
	13:24:40	7368	318	1	1		64	60	55	35	35	119		
G 32093	13:25:20	7370	320	1	1		64	60	55	34	35	119		
	13:37:00	7405	355	1	1		66	62	55	34	35	107		
	13:48:40	7440	390	1	1		68	65	62	38	37	100		
	14:03:20	7485	435	1	1		62	60	57	35	34	90		
G 32094	14:04:00	7486	436	1	1		61	60	57	35	34	90		
	14:15:40	7521	471	1	1		66	64	60	37	36	85		
	14:27:20	7556	506	1	1		68	63	58	36	37	80	STARTED TURN	
	14:42:00	7600	550	1	1		69	65	55	34	35	74		
G 32095	14:42:20	7601	551	1	1		69	65	55	34	35	74	FIRE + POWER FAILURE	

35-25-44

[illegible]