

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R.V. CAPE HENLOPEN

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SEISMIC ACQUISITION LOG

CRUISE CH89-16

PROJECT HUNTEC 3D

REEL NUMBER	TIME (GMT)	LINE #	REC #	RLEN	SAMP RATE	REP RATE	WATER DEPTH	REMARKS	OP
CH0002	²⁷⁵ 01:07:42	225	2400	200ms	.1ms	2.5M		shot point starts at 0 BOL-BOT and counts down to around -31, then ok? First 175 shots are overdriven 30dB → 18dB	
CH0002	01:46:56	225	-1					EOL last SP was -1 2 clock errors	
CH0002	02:49:55	224	2400					BOL	
	03:	224	1829					EOL about line no signal From HT	
CH0003	²⁷⁸ 22:23:07	224	1	200	.1	2.5M		BOT BOL start line 224 antenna offset in	
								3kv supply tow angle 35°	
CH0003	23:05:41	224	2400	200ms				EOL offset 20M	
CH0003	²⁷⁹ 00:15:20	223	1					BOL clear antenna offset	
			93					18dB → 24dB	
			405					24dB → 18dB overdrive	
			835					18dB → 24dB test abrupt change idea	
CH0003		223	1745					24dB → 18dB water bottom being clipped	
		223	2401					EOL	

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CH0003	²⁷⁹ 01:54	222	1	200	.1MS	2.5M		BOL online at start, speed ~5kt	
			539					EOL BOT shots circle,	
CH0004	²⁷⁹ 02:21:57	222	1					BOL BOT normal start - data appear to have some bias. could be the	
CH0004		222	2401					EOL low cut filter.	
CH0004	04:06:49	221	1					BOL normal start	
	04:49:01	221	2401					EOL normal	
CH0004	05:52:18	220	1					BOL normal	
	05:55:43	220	180					abort 220 navsys problems	
	06:20:45	220	1					BOL normal	
	07:05:40	220	2401					EOL normal	
CH0004	08:06:52	219	1					BOL	
								First 140 shots are far offline.	
	08:54:15	219	2401					EOL	
CH0004	09:49:27	218	1					BOL	

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CH0004	10:35:44	218	2401	200	.1ms	2.5m		EOL	
CH0004	11:29:02	217	1	200ms				BOL normal start, online	
CH0004	12:16:	217	2401					EOL EOT	
CH0005	13:11:51	216	1					BOL BOT new tape	
CH0005	13:53:00	216	2401					EOL	
CH0005	14:48:35	215	1					BOL normal start all systems go	
	15:30:32	215	2401					EOL	
CH0005		214	1					BOL no closure from Navsys	
	16	214	3					EOL circle to restart line - 3 shots	
								at beginning of line	
CH0005	16:49:57	214	1					BOL	
								CLK F err ff.d 4924 17 NAV fmt 5742 6	
	17:29:07	214	2401					EOL Trigger problem solved during transit	
CH0005	18:33:03	213	1					BOL CLK S err through 8243 Nav fmt 8245 6 Nav fmt 9145 5	

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CH0005	19:12:49	213	2401	200 _{ms}	0.1ms	2.5m		EOL	
CH0005	20:06:03	212	1					BOL	
								NAV fmt 9867 5	
								CLK F err ffid 9918 15	
								NAV fmt 9936 5	
								CLK F err ffid 10126 15	
								CLK F err ffid 10848 16	
								CLK F err ffid 11307 15	
	20:49:16	212	2401					CLK F err ffid 11627 15	
								EOL	
CH0005	21:39:17	211	1					13 shots, then 1 shot BOL then line starts	
								NAV fmt 12738 5	
								FDONE 5 2000 - missed shot	
								CLK F err ffid 13409 16	
								NAV fmt 13767 6	
CH0005	22:21:46	211	2401					EOL EOT	
CH0006	23:09:19	210	1					BOL BOT CLK F 1092 15	
								NAV FMT 1111 5	
	235303	210	2401				EOL	CLK F 1402 15 NAV FMT 2112 4	
								CLK F 1972 15	
CH0006	²⁸⁰ 0047	209	1					BOL CLK S 2601 0 NAV FMT 3572 5	
								3378 35925	
								37825	
								CLK F 3653 15	
CH0006	01:34	209	2401					EOL 3673 15	

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CH0006	²⁸⁰ 0228	208	1	200 MS	.1MS	2.5M		BOL normal start missed ~7 shots at beginning	
								NAV fwt 5522 CLK F 5563 5723 6033	
	03:15	208	2401					EOL	
CH0006	04:03	207	1					BOL off line at start	
CH0006	04:22	207	1010					EOL ship in front of us will reshoot	
CH0006	04:52	207	1					BOL reshoot=1	
								CLK F err ffd 8629 16 9079 15 9298 16	
								Nav fwt 9258 4 CLK F 9419 9797 9579 10247	
	05:36	207	2401					EOL	
CH0006	06:24	206	1					BOL	
	06:27	206						aborted	
	06:53	206	1					BOL reshoot=1	
								NAV fwt 10755	
								slower's not working	
								Nav still on line 207!	
	06:57	206	840					line aborted	

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CH0006	07:23	206	1	200 m 5	0.1 m/s	2.5 m		BOL, reshot = 2 NAV fmt 11866 CLK F 12766 13016	
CH0006	08:09	206	2401					EOL EOT	
CH0007	09:06	205	1					BOL BOT NAV fmt 231 CLK F 822 1111 1072	
	09:51	205	2401					EOL	
CH0007	10:42	204	1					BOL NAV fmt 2683 CLK F 3164 3113 3203 3242 4152 3353 3602	
CH0007	11:23	204	2401					EOL	
CH0007	12:18	203	1					BOL problems with STARFIX screen going green	
	13:02	203	2401					EOL NAV fmt 6013 6253	
CH0007	13:54	202	1					BOL on line @ Start NAV 8794	
	14:37	202	2401					EOL 9384	

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CH0007	²⁸⁰ 1530	201	1	200	.1	2.5M		BOL online at start	
	1616	201	2401					EOL	
CH0007	1716	200	1					BOL	
			31					abort	
CH0007	1732	200	1					BOL, reshoot = 1	
								CLK F 13267 NAV fmt 14206 14226 14266	
CH0007	18:20	200	2401					EOL BOT	
CH0008	1917	199	1					BOL BOT	
								NAV fmt 371 CLK F 733 2231 1552 2241	
	2008	199	2401					EOL NAV err ent 2401	
CH0008	2100	198	1					BOL	
								NAV fmt 2422 CLK F 2403 3412 3703	
CH0008	2148	198	2401					EOL 4002 4132	
CH0008	2235	197	1					BOL	
	2317	197	2401					EOL	

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CH0008	²⁸¹ 0012	196	1	200ms	.1	2.5M		BOL online at start	
	0055	196	2401					EOL	
CH0008	01:50	195	1					BOL online at start	
	0234	195	2401					EOL	
CH0008	03:31	194	1					BOL no closure at start off	
		194	2615					EOL by 20 shots / restart	
CH0008	04:13	194	1					BOL reshoot code: 1	
								NAV fmt 12821 14180 13880 14871	
CH0008	0458	194	2401					EOL EOT	
CH0009	0553	193	1					CLK F 312 NAV fmt 831 BOL BOT 1221 1521	
	0634	193	2401					EOL 1851	
CH0009	0725	192	1					BOL LOWCUT is 300Hz, was 600Hz	
								NAV fmt 3102 4199 4782	
	0813	192	2401					EOL	
CH0009	9000	191	1					BOL Lowcut is 400 Hz	

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REEL NUMBER	TIME	LINE #	REC #	RLEN	SAMP RATE	REP RATE	WATER DEPTH	REMARKS	OP
CH0009		191	53	200 ms	.1	2.5w		abort	
CH0009	0913	191	1					BOL reshoot = 1	
								NAV fmt 4863 CLK F 5124 5012 5734 6122 6364	
	0954	191	2401					EOL 6613 depth calibration 7103 A fish	
CH0009	1138	190	1					BOL huntcc no fringsp1-184	
		190	185					First good shot	
CH0009		190	2401					EOL NAV 8537 8797	
CH0009	1221	189	1					BOL NAV 9988 CLK F 10879 10178	
	1409	189	2401					EOL 11078 11210 11269	
CH0009		188	1					BOL Logger hung up	
		188	41					EOL	
CH0009	1534	188	1					BOL reshoot code = 1	
	1618	188	2401					EOL EOT	
CH0010	1704	187	1					BOL NAV fmt 206 CLK F 207 396	
		187	395					Heave comp not on, logger stopped	

Scrub the line. ABORT
DATA TRASHED TAPE REWOUND

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CH0010	1737	187	1	200 ms	.1ms	2.5m		BOL BOT Reshoot = 0	
								NAV fmt 1351 1581 1411 1601	
	1822	187	2401					EOL	
CH0010	1837	186 refr	14					BOL → refraction data	
	1908?	186 refr	1560?			2.5m 1 sec		EOL shots 14 - 660, 2.5m shots 672 - end, 1 sec	
CH0010	1938	186	1			2.5m		BOL CLK F 4266 NAV fmt 4585 5475 5605	
	2020	186	2401					EOL GAIN 12dB not 18	46db
CH0010	2110	185	1					BOL	
	2154	185	2401					EOL After EOL, star fix station ME taken out of solution	
CH0010	2253	184	1					BOL NAV fmt 8426 CLK F 8446	
CH0010	2335	184	2401					EOL EOT	
CH0011	²⁸² 0026	183	1					BOL BOT	
CH0011	0109	183	2401					EOL	
CH0011	0200	182	1					BOL normal start	
CH0011	0243	182	2401					EOL	

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CH0011	0332	181	1	200ms	1ms	2.5m	~60m	BOL	
CH0011	0416	181	2401					EOL	
CH0011	0509	180	1					BOL NAV fwt 7444 CLK F 7745 8164 7767 8614	
	0555	180	2401					EOL	
CH0011	0651	179	1					BOL CLK F 10955 NAV fwt 11895	
	0735	179	2401					EOL	
CH0011	0828	178	1					BOL	
		178	182					abort - Earl was triggering when we came on line	
CH0011	0844	178	1					BOL NAV fwt 12384 12585 12634 13024	
								CLK S 13416	
								CLK F 13874 NAV fwt 13874 13986 14005 14085 14513 14155	
CH0011	0927	178	2401					EOL EOT	
CH0012	1020	177	1					BOL BOT	
								CLK F 14665 CLK S 14817 15132 15454	
CH0012	1100	177	2401					NAV fwt 15265 15756 16304 EOL	

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CH0012	1151	176	1	200	.1ms	2.5m		BOL seas up, nav down (green)	
	1233	176	2401					EOL tough staying online.	
CH0012	13:22	175	1					BOL	
	1405	175	2401					EOL	
CH0012	14:54	174	1					BOL	
CH0012	1537	174	2401					EOL	
CH0012	1626	173	1					BOL NAV fwt 22527	
	1710	173	2401					EOL	
CH0012	1800	172	1					BOL NAV fwt 26519 21147 28647	
CH0012	1841	172	2401					EOL CLK F 27548 28309 28608	
CH0013	1931	171	1					BOL First 137 shots have no time information.	
								CLK F 192 NAV fwt 681	
								263 821	
								313 1372	
								454 1563	
								714 1993	
								182 2102	
								1263 2171	
	2009	171	2401					EOL	
CH0013	2055	170	1					BOL	

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REEL NUMBER	TIME	LINE #	REC #	RLEN	SAMP RATE	REP RATE	WATER DEPTH	REMARKS	OP
CH0013		170	~150	200 ms	1 ms	2.5m		ABORT Walt's F.U. (Pulled a Wally)	
CH0013	2114	170	1					BOL reshoot = 1	
								376 phos in water	
								CLK F 2962 NAV Fmt 3292 4082 4471	
								Change direction at shot 2401	
	2156	170	2480			1.5m			
			3317					EOL	
CH0013	2320	160	1			2.5m		BOL	
	2330		540					EOL abort hunttec timing problem	
CH0013	2357	160	1					BOL reshoot = 1	
	JDAY 283							FIRE POINT TIME IS 100ms > start	
CH0013	0039	160	2401					NOT FROM HUNTEC No processing comp from FISH	
CH0013	0706	150	1					BOL Record Data from shot = 50	
								CLK F 9022 NAV Fmt 9477 9362 9922 CLK S 9477 CLK S 9922 CLK F 10222 CLK S 10792 11482 11792 11252 11232	

NAV Fmt 10792
11252
11482

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REEL NUMBER	TIME	LINE #	REC #	RLEN	SAMP RATE	REP RATE	WATER DEPTH	REMARKS	OP
CH0014	1423	120	1	200 ms	1ms	2.5m		BOL	
	1519	120	3220					EOL Nav - out of control	
CH0014	1624	110	1					BOL	
CH0014	1729	110	3602					EOL	
CH0014	1737	100	3601					BOL	
CH0014	1841	100	1					EOL EOT	
CH0015	1937		1			1.5s		BOL Refraction Data	
			562			1s		BOL start at line 188,	
								sp 1800, drift	
								to 55W	
			2623					EOL (Nav file REFR.188)	
CH0015	2118		1					BOL do it again.	
								Nav file REFR2.188	
CH0015	2220		1			1m		BOL again! REFR3.188	

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CH0015				.5	.5	1m		missed shots ~ sp 300	
								started pulling back ~ sp 600	
CH0015	2216		877					on board ~ 877	
CH0016	2256		~3160	.5	.5	1s		Once again, moved to	
								line 188, ~sp 600.	
								File REFR4.188	
			~3200	.5	.5			Hit Bottom, phone on bottom	
CH0016	2315		~4280					Phone on Board.	
			6442	.5	.5	1s		change low cut from 500 → 300 Hz	
				.5	.4			change sample int to .4 ms	
								(2500 Hz), relocate to	
								SP 1800 line 188	
								transit file was ref 5.188	
CH045	2354		6442	.5	.4	1m		nav File; ref 6.188	
	0016		7255					phone on bottom	