Delorey/ Poppe

JEAN A

Escolle de Arenas

JENA 90-1

Nov. 2-7, 1990

SEISMIC LOG

104762

U.S.G.S.
GEOPHYSICS
LOG

SHIP Jean A ~~[illegible]~~ 90-1

CRUISE NO. 90-1

DATE Nov 2, 1990 - NOV 7, 1990

CHIEF SCIENTIST Delorey / Poppe

SHIP/CRUISE NO./LEG Jean A-1

CHIEF SCIENTIST Delaney/Poppe

LINE START / END	GMT TIME JDAY 306	YYMMDD	BEG/TRK ~~CRS/HDG~~	SPD	NAVIGATION	SEISMIC SYSTEM
SOL3	12:50:06	901102	242/225	6.2	mini RANGER	HUNTEC 1/2" firing
	12:55				X=796013 Y=108730	
	1300				X=	Y=
EOL3	1302				X=792031	Y=106420
SOL5	1310		55/96	3.73	X=791853	Y=107950
	1315		55/80	5.0	X=793278	Y=108721
	1318					
	1320				X=794521	Y=109599
	1322					
	1325		55/48	3.6	X=795778	Y=110434
	1330		55/52		X=796907	Y=111288
	1335		55/46		X=798061	Y=112071
EOL5	1336			2.4	X=798364	Y=112260
SOL7	1341					
	1349		241/225	4.9	X=798191	Y=111744
	1355		245/242	4.4	X=796060	Y=110213
	1401					
	1403				X=792628	Y=108741
EOL7	1406				X=791290	Y=107990
SOL9	1413				X=791046	Y=107897
	1420				X=791701	Y=109078
	1425				X=792794	Y=110140
	1430				X=794096	Y=110765
	1439				X=798096	Y=112627
	1445				X=798096	Y=112627
EOL9	1446				X=798271	Y=112673
SOL11	1451				X=797721	Y=113334
	1456				X=796181	Y=112242
	1500				X=794817	Y=111347
	1506				X=792712	Y=109495
	1510				X=791410	Y=108462

AREA
TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
1/4"			1 / 1			3' draft (bathy + 3.5 kHz)
				ON	The Tape	Channel #5: clock #4 raw data
						#6 trigger
						time of seismics off by ~25 min
						off line by ~166 meters
1/8"						3.5 changed to 1/8 sec sweep
1/8 sec						HUNTEC to 1/8 sec sweep
						frequency changed on boomer from 2000 to 2000
		2000-500				very noisy ship - strong
						currents - slowing ship speed
						having trouble with NAV
						stations?
		changed		HUNTEC		1/4 sec fine 1/8 sec sweep
	MINIRANGER is jumping around a lot					- we need land crew to
	set up new stations. Distance off line = ~197. NAV is					
	jumping around alot.					1/4 sec sweep on the HUNTEC
	wandered off line / paper changed on 3.5 (roll #1					
	1439 New Hydrophone deployed					
	EOT1/SOI2		2/1			Tape 1 ended 1455
						Tape speed 1 7/8 sec
						channel 7: filtered data

SHIP/CRUISE NO./LEG

CHIEF SCIENTIST

LINE START / END	TIME	YYMMDD	~~CRS/HDG~~ BRG/TRK	SPD	NAVIGATION	SEISMIC SYSTEM
11		901102			[illegible]	[illegible]
EOL11	1512				x=790485	y=107908
SOL3	1523	90	61/39	4.2	x=789945	y=109779
	1530				x=792023	y=110749
	1535				x=793159	y=111725
	1540				x=794636	y=112176
	1545		58/109	3.95	x=796175	y=113142
EOL13	1551		300/94		x=798258	y=114270
SOL15	1559				x=797545	y=115040
	1605				x=795638	y=113862
	1612		238/195		x=793055	y=111920
	1622		220/222	4.2	x=790058	y=110557
EOL15	1627		35/273	3.4	x=788674	y=109277
SOL17	1633		59/79	3.6	x=787884	y=109844
	1637					
	1642				x=790699	y=111662
	1650				x=793730	y=113719
	1655				x=795542	y=114840
	1701		138/1110	4.5	x=791896	y=115991
EOL17	1702		214/59		x=798283	y=116148
SOL19	1709		238/237	3.5	x=797124	y=116091
	1717				x=795394	y=115003
	1720				x=794531	y=114529
	1725				x=793267	y=113697
	1730				x=792114	y=112959
	1735				x=791138	y=112383
	1740				x=789570	y=111426
	1745				x=788425	y=110457
EOL19	1748				x=787279	y=109924
SOL21	1755				x=787345	y=111117
	1804				x=790691	y=113242
	1810				x=793805	y=114975
	1815			4.2	x=796112	y=116229

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER (HI/LO)	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
		300/2000				change filters on Huntec
						NAV STILL jumping around
						1A 10Tch
	increase speed of huntec 50 RPM'S					

SHIP/CRUISE NO./LEG

CHIEF SCIENTIST

LINE START / END	TIME	YYMMDD	BRG/TRK ~~CRS/HDG~~	SPD	NAVIGATION	SEISMIC SYSTEM
21		901103				
EOL21	1818		262/60	5.1	X=797638	Y=117072
SOL23	1826		238/315	3.9	X=796909	Y=117436
	1831				X=795874	Y=116739
	1835				X=794778	Y=116145
	1845				X=792392	Y=114752
	1849					
	1850				X=791449	Y=114175
	1901				X=789378	Y=112771
	1905				X=788315	Y=112070
EOL23	1912				X=786457	Y=110914
	1918					
	1928					
SOL25	1336	JDAY 307			X=794945	Y=117551
	1355				787697	Y=112675
EOL25	1400				X=786113	Y=111504
SOL27	1406				X=785751	Y=111956
	1412				X=786854	Y=112788
	1417				X=787965	Y=113482
	1425				X=789430	Y=114427
	1430				X=790294	Y=114944
	1435				X=791157	Y=115427
	1436					SC 4 knots
	1440				X=792050	Y=115995
	1445				X=793369	Y=116921
EOL27	1450				X=794688	Y=117716
SOL29	1453				X=793911	Y=118151
	1457				X=792900	Y=117347
	1502				X=791041	Y=116113

AREA

TIME ZONE

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SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
			3/2			End of Tape 2
						EOT 2 SOT 3
						NAV SYSTEM DEAD
						Shut down all systems due to
	NAV system failure - lost signal from station. Captain must					
	go into port to leave the operation.					
	pull Huntec system in.					
	Line 23 needs to be reshot					- problem with tape
	on line 23 - Tape destroyed for					1/2 line 23

SHIP/CRUISE NO./LEG

CHIEF SCIENTIST

LINE START / END	TIME	YYMMDD	BRG/TRK ~~CRS/HDG~~	SPD	NAVIGATION	SEISMIC SYSTEM
29	1507	901103			X=789092	Y=114893
	1512				X=786829	Y=113358
EOL 29	1515				X=785123	Y=112315
SOL31	1521				X=784832	Y=113080
	1531				X=788263	Y=115177
	1537				X=790304	Y=116542
EOL31	1547				X=793831	Y=118851
SOL33	1552			4.68	X=792768	Y=119031
EOL33	1609				ship maneuvers ?? — END LINE	
SOL35	1622				X=784770	Y=114914
EOL35	1640				X=791684	Y=118734
SOL37	1645				X=791329	Y=119097
EOL37	1701				X=784918	Y=115017
SOL39	1706				X=784784	Y=116964
EOL39	1721				X=791149	Y=119700
SOL41	1727				X=790041	Y=119102
EOL41	1740				X=784694	Y=117411
SOL43	1745				X 784938	Y=118583
EOL43	1757				X=789914	Y=120459
SOL45	1801				X=789643	Y=121037
45	1806				X=787720	Y=120241
	1811				X=785792	Y=119437
EOL45	1814				X=784439	Y=118877
SOL47	1818				X 784536	Y=119739
EOL47	1829				X=789818	Y=121847
SOL49	1834				X=789520	Y=122423
EOL49	1848				X=783998	Y=120124
SOL51	1852				X=784136	Y=120840
	1857				X=786536	Y=121941
EOL51	1901				X=788363	Y=122677
SOL53	1904				X=788169	Y=123329
EOL53	1917				X=783559	Y=121283
SOL55						

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
						Start Line early due to long run in
			New Hydrophone deployed			Ship slowed down
						NAV out for couple of
					1713	minutes. BACK up now

SHIP/CRUISE NO./LEG JEANA 90-1
CHIEF SCIENTIST

LINE START / END	TIME	YYMMDD	BRG/TRK ~~CRS/HDG~~	SPD	NAVIGATION	SEISMIC SYSTEM
55	1934	901103		5.5	X = 783711	Y = 121703
EOL55	1943				X = 788317	Y = 124078
SOL57	1948				X = 787693	Y = 124890
EOL57	2003				X = 783396	Y = 122297
SOL59	2013				786441	Y = 122992
	2021				X = 788502	Y = 120300
	2032				X = 791481	Y = 116863
	2037			4.6	X = 792747	Y = 115707
	2039				[illegible]	[illegible]
RESTART 59	2117				X = 791226	Y = 117318
	2129				X = 794881	Y = 113234
EOL59	2142				X = 798294	Y = 109074
		JDAY 308 901104				
SOL58	1500		330/330	4.5	X = 794135	Y = 108192
	1507		330/333		X = 792567	Y = 111092
	1515		330/308		X = 791155	Y = 113497
	1525		329/339		X = 789016	Y = 117428
	1537		329/336		X = 786437	Y = 121782
EOL58	1543				X = 784782	Y = 124798
SOL56	1554	901104	63/72		X = 784773	Y = 122855
EOL56	1609	"	"		X = 789349	Y = 125354
SOL52	1615				X = 789601	Y = 123657
	1622		249/245		X = 786368	Y = 122046
EOL52	1624				X = 784969	Y = 121544
SOL48	1633		66/66		X = 785782	Y = 120455
EOL48	1647				X = 790694	Y = 122456
SOL44	1652		249/256		X = 791136	Y = 121215
EOL44	1702				X = 795401	Y = 119113
SOL40	1709		66/57		X = 786420	Y = 117980
EOL40	1724				X = 791703	Y = 120346
SOL36	1729		244/249		X = 792215	Y = 119094
EOL36	1740				X = 786569	Y = 116398

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
						NAV Jumped from 60 M to
						end of line to -100 M past
						end of Line
	Currents strong on N-S line					
	BOAT IN TROUBLE - Must break off line					
	Restart Line #59					
	END Line earlyu ~ 500m - water too Shallow					
	Huntec @ 1/4 sec swp 1/2 sec fine . Power Lever 2 (≈300 j)					
	3.5 kHz @ 1/8 sec swp 1/8 sec fine					

SHIP/CRUISE NO./LEG JEAN A 90-1

CO-CHIEF SCIENTISTS BUD & EDIE

LINE (START / END)	TIME	YYMMDD	BRG/TRK ~~CRS/HDG~~	SPD	NAVIGATION	SEISMIC SYSTEM
SOL32	1747	901104	57/95	4.2		
EOL	1800		57/46		X= 791323	Y= 117647
SOL32	1808					
SOL28	1818		236/236	4.2		
EOL28	1840					
SOL24	1845					
EOL24	1905			4.6		
SOL20	1917		238/231	4.3	X= 797443	Y= 116678
	1916				X= 795789	Y= 115760
EOL20	1939		7.2/245	13	X= 788536	Y= 111023
SOL16	1945		59/63	5.6	X= 790144	Y= 110710
EOL16	2002		204/55	5.6	X= 797800	Y= 115524
SOL12	2009				X= 798140	Y= 113732
EOL12	2033					
SOL8	2052					

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
	ABORT LINE 8 -		undoable due			to low tide and shallow
			water			

SHIP/CRUISE NO./LEG

CHIEF SCIENTIST

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM 3.5 Khz
	1910	JDAY 308			head for line 18 (E-W)	
					logging nav on lap top computer	
SOL18	1935	90/11/7			10 south of line ≈ 50 m - Bridge	
EOL18	1957					
SOL14	2008					
EOL14	2032				head for pier.	

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
	Distance between 3.5 Khz and Huntec is 150"					
	Distance from there to end is 35'					
	has no display to look at - just following a course					