

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # A COURSE 270°
PROJECT SCX14 AREA Nw Slope GOM P.I. YN.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>009 9 Jan '91</u>	<u>9 Jan 91</u>	
TIME(Z)	<u>0824</u>	<u>~0930</u>	<u>0:56</u>
LATITUDE	<u>(@ 0825) 26 58.75</u>	<u>26 58.80</u>	
LONGITUDE	<u>-95 02.18</u>	<u>-95 08.51</u>	
SHOTPOINT	<u>100</u>	<u>232</u>	
REC NUM	<u>100</u>	<u>232</u>	
TAPE NUM	<u>1</u>	<u>1</u>	
WATER DEPTH	<u>~285 fm. 743</u>	<u>743 fms</u>	
DATA LENGTH (SEC) MIN	<u>6</u>	MAX <u>6</u>	SAMP RATE (MSEC) <u>4</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>30</u>	(M)	FOLD(NOMINAL) <u>4</u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u>none</u>	PROBLEM TRACES
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO	<u>1 air gun</u>	<u>4 -- cu in</u>	
NAVIGATION SYSTEM INFO	<u>LORANC</u>	<u>Northstar 6000 + GPS</u>	

COMMENTS:0836 streamer depth: near 40' far 40'

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # B COURSE 070
PROJECT SCX14 AREA NW Slope, GOM P.I. Y. N.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>009 9 Jan 91</u>	<u>9 Jan 91</u>	
TIME(Z)	<u>09:30:35</u>	<u>10:13</u>	<u>0:43</u>
LATITUDE	<u>26 58.80</u>	<u>26° 59.43°</u>	
LONGITUDE	<u>-95 08.51</u>	<u>95° 04.71</u>	
SHOTPOINT	<u>235</u>	<u>318</u>	
REC NUM	<u>233</u>	<u>318</u>	
TAPE NUM	<u>1</u>	<u>1</u>	
WATER DEPTH	<u>743 fms</u>	<u>753 fathoms</u>	
DATA LENGTH (SEC) MIN	<u>6</u>	MAX <u>6</u>	SAMP RATE (MSEC) <u>4ms</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>305</u>	(M)	FOLD(NOMINAL) <u>4</u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u>none</u>	PROBLEM TRACES
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO	<u>1 gun</u>		
NAVIGATION SYSTEM INFO	<u>Lozan C</u>	<u>Northstar 6000 + GPS</u>	

COMMENTS:

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 1 COURSE 280
PROJECT SCX14 AREA NW slope GOM P.I. Y.N.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>009 9 Jan 91</u>	<u>009 9 Jan 91</u>	
TIME(Z)	<u>10:13</u>	<u>1517</u>	<u>5:04</u>
LATITUDE	<u>26° 59.43</u>	<u>27° 15.26</u>	
LONGITUDE	<u>95° 04.71</u>	<u>95° 28.83</u>	
SHOTPOINT	<u>318</u>	<u>926</u>	
REC NUM	<u>318</u>	<u>926</u>	
TAPE NUM	<u>1</u>	<u>1</u>	
WATER DEPTH	<u>733 Fathoms</u>	<u>~640 fms</u>	
DATA LENGTH (SEC) MIN	<u>6</u>	MAX <u>6</u>	SAMP RATE (MSEC) <u>7</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>30s</u>	(M)	FOLD(NOMINAL) <u>4</u>
SEIS TRACES	<u>1-4</u>	AUX TRACES	PROBLEM TRACES
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO	<u>1 gun</u>		
NAVIGATION SYSTEM INFO	<u>CORAN C</u>		

COMMENTS:

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 2 COURSE 215
PROJECT SCX14 AREA NW slope GOM P.I. Y.N.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>009 9 Jan '91</u>	<u>009 9 Jan 91</u>	
TIME(Z)	<u>1548</u>	<u>~1752</u>	<u>124 min (248 shots)</u>
LATITUDE	<u>27° 15.29</u>	<u>27 08.20 (1750)</u>	
LONGITUDE	<u>95 26.48</u>	<u>-95 33.08</u>	
SHOTPOINT	<u>987</u>	<u>1259</u>	<u>272 (136 min)</u> <u>24 (12 min down)</u>
REC NUM	<u>927</u>	<u>~1175</u>	<u>248 (124 min)</u>
TAPE NUM	<u>1</u>	<u>1</u>	
WATER DEPTH	<u>642 fms</u>	<u>674</u>	
DATA LENGTH (SEC) MIN	<u>6</u>	<u>6</u>	<u>SAMP RATE (MSEC) 4</u>
SHOOTING BY TIME	<u>✓</u>	<u>DISTANCE</u>	
REP RATE (SEC)	<u>30 sec</u>	<u>(M)</u>	<u>FOLD(NOMINAL) 4</u>
SEIS TRACES	<u>1-4</u>	<u>AUX TRACES None</u>	<u>PROBLEM TRACES</u>
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO	<u>1 gun</u>	<u>429 m</u>	
NAVIGATION SYSTEM INFO	<u>Loran C</u>		

COMMENTS:

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 3 COURSE 035
PROJECT SCX14 AREA P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>009 (9 Jan 91)</u>	<u>009 (9 Jan 91)</u>	<u>2050 1752 2658m</u>
TIME(Z)	<u>~1752</u>	<u>~2050</u>	<u>178 min 356 shots</u>
LATITUDE	<u>27 08.20 (1750)</u>	<u>27 19.48</u>	
LONGITUDE	<u>-95 33.08</u>	<u>-95 22.40</u>	
SHOTPOINT	<u>1236</u>	<u>1592</u>	<u>356</u>
REC NUM	<u>1152</u>	<u>1508</u>	<u>356</u>
TAPE NUM		<u>2</u>	
WATER DEPTH	<u>674 fms</u>		
DATA LENGTH (SEC) MIN	<u>6</u>	MAX <u>6</u>	SAMP RATE (MSEC) <u>4ms</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE <u> </u>	
REP RATE (SEC)	<u>30</u>	(M) <u> </u>	FOLD(NOMINAL) <u> </u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u>none</u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u> </u>		
DISTANCE TO NEAR TRACE (M)	<u> </u>		
DISTANCE TO FAR TRACE (M)	<u> </u>		
SOURCE INFO	<u> </u>		
NAVIGATION SYSTEM INFO	<u>Loran C</u>		
COMMENTS:			

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 4 COURSE 215
PROJECT SCX14 AREA NW Slope, GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>009 (9 Jan 91)</u>	<u>010 10 Jan 91</u>	
TIME(Z)	<u>2050</u>	<u>0000 0005</u>	<u>3 hr 15m 195m</u>
LATITUDE	<u>27 19.48</u>	<u>27 07.33</u>	<u>1</u>
LONGITUDE	<u>-95 22.40</u>	<u>-95 31.05</u>	<u>2</u>
SHOTPOINT	<u>1593</u>	<u>2091</u>	<u>389</u>
REC NUM	<u>1509</u>	<u>1897</u>	<u>498</u>
TAPE NUM	<u>2</u>	<u>2</u>	<u>390</u>
WATER DEPTH		<u>680 fms</u>	
DATA LENGTH (SEC) MIN	<u>6</u>	<u>6</u>	<u>SAMP RATE (MSEC) 4ms</u>
SHOOTING BY TIME	<u>✓</u>	<u>DISTANCE</u>	
REP RATE (SEC)	<u>30s</u>	<u>(M)</u>	<u>FOLD(NOMINAL) 4</u>
SEIS TRACES	<u>1-4</u>	<u>AUX TRACES none</u>	<u>PROBLEM TRACES</u>
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO			
NAVIGATION SYSTEM INFO	<u>Locene</u>		

COMMENTS:

2153z gun killed due to leak
2245z gun back in water; restart shooting w/ new gun.

108 54 min.
OR gap
counter
glitch

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 5 COURSE 35PROJECT SCX14 AREA P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>010/10 Jan 91</u>	<u>010/10 Jan 91</u>	
TIME(Z)	<u>0000</u> ⁽⁵⁾	<u>0315</u> ⁽⁰⁵⁾	<u>3:15</u> 3:00 (180 m.) (360 shots)
LATITUDE	<u>27° 07.33</u>	<u>27 17.43</u>	
LONGITUDE	<u>95° 31.05</u>	<u>-95 20.50</u>	
SHOTPOINT	<u>1972</u> ¹⁹⁸² _{Δ = 193}	<u>2362</u> ²³⁴² _{Δ = 193}	<u>390</u> ✓
REC NUM	<u>1779</u> ¹⁷⁸⁹	<u>2169</u> ²¹⁴⁹	<u>390</u> ✓
TAPE NUM	<u>2</u>		
WATER DEPTH	<u>680</u>	<u>470 fms</u>	
DATA LENGTH (SEC) MIN	<u>6</u>	MAX <u>6</u>	SAMP RATE (MSEC) <u>4ms</u>
SHOOTING BY TIME	<u> </u>	DISTANCE <u> </u>	
REP RATE (SEC)	<u> </u>	(M) <u> </u>	FOLD(NOMINAL) <u> </u>
SEIS TRACES	<u> </u>	AUX TRACES <u> </u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u> </u>		
DISTANCE TO NEAR TRACE (M)	<u> </u>		
DISTANCE TO FAR TRACE (M)	<u> </u>		
SOURCE INFO	<u>428 cu.in.; 1 gun</u>		
NAVIGATION SYSTEM INFO	<u> </u>		
COMMENTS:	<u> </u>		

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 6 COURSE 215
PROJECT SCX14 AREA P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>010 10 Jan 91</u>	<u>010</u>	
TIME(Z)	<u>0815 0305</u>	<u>0627 ~ 0637</u>	<u>3 hr. 32 m (212 m = 424 shots)</u>
LATITUDE	<u>27 17.43</u>	<u>27 06.12 (0625)</u>	
LONGITUDE	<u>-95 20.50</u>	<u>-95 29.57</u>	
SHOTPOINT	<u>2363 2343</u> <small>A = 193</small>	<u>2748</u> <small>END TAPE 2 A = 202</small>	<u>405</u>
REC NUM	<u>2170 2150</u> <small>A = 193</small>	<u>2546</u> <small>A = 202</small>	<u>396</u>
TAPE NUM	<u>2</u>		
WATER DEPTH	<u>470 fms</u>	<u>680</u>	
DATA LENGTH (SEC) MIN	<u>65</u>	MAX <u> </u>	SAMP RATE (MSEC) <u> </u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE <u> </u>	
REP RATE (SEC)	<u>305</u>	(M) <u> </u>	FOLD(NOMINAL) <u>4</u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u>none</u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)	<u> </u>		
DISTANCE TO FAR TRACE (M)	<u> </u>		
SOURCE INFO	<u> </u>		
NAVIGATION SYSTEM INFO	<u> </u>		

COMMENTS:

0342 compressor went off (0342-0345?)
~ 0400 8' seas
~ 0545 traffic in area
0627 after col, check gun + compressor

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 7 COURSE 035
PROJECT SCX14 AREA NW Slope, GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>010 10 Jan 91</u>	<u>010 10 Jan 91</u>	
TIME(Z)	<u>0634</u>	<u>1000 / end 1004</u>	<u>3hr30m 210 m 420 shots</u>
LATITUDE	<u>27 05.33 (0635)</u>	<u>27 19.12 (10008)</u>	
LONGITUDE	<u>-95 29.49</u>	<u>27 17.52</u>	
SHOTPOINT	<u>2760</u>	<u>8172 / 8180</u>	<u>420</u>
REC NUM	<u>2547</u>	<u>3159 / 2967</u>	<u>420</u>
TAPE NUM	<u>3</u>	<u>3</u>	
WATER DEPTH	<u>676</u>	<u>605</u>	
DATA LENGTH (SEC) MIN	<u>6s</u>	<u> </u>	<u>4ms</u>
SHOOTING BY TIME	<u>✓</u>	<u> </u>	
REP RATE (SEC)	<u>30s</u>	<u> </u>	<u>4</u>
SEIS TRACES	<u>1-4</u>	<u> </u>	<u> </u>
AUX TRACES	<u> </u>	<u> </u>	<u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>	<u>beginning</u>	
DISTANCE TO NEAR TRACE (M)	<u> </u>	<u> </u>	
DISTANCE TO FAR TRACE (M)	<u> </u>	<u> </u>	
SOURCE INFO	<u> </u>	<u> </u>	
NAVIGATION SYSTEM INFO	<u> </u>	<u> </u>	

COMMENTS:

06322 compressor back on
10003 mud turn going from line 7 to line 8

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 8 COURSE 214PROJECT SCX14 AREA NW Slope, GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>010 10 Jan 89</u>	<u>010/10 Jan 91</u>	
TIME(Z)	<u>1004 (5)</u>	<u>1320</u>	<u>3 hr. 15 m = 195 m = 390 SHOTS</u>
LATITUDE	<u>19.08'</u>	<u>27° 06.</u>	
LONGITUDE	<u>17.01'</u>	<u>95° 25.</u>	
SHOTPOINT	<u>3180</u>	<u>3572</u>	<u>392</u>
REC NUM	<u>3167</u>	<u>3359</u>	<u>192</u>
TAPE NUM	<u>3</u>	<u>3</u>	
WATER DEPTH	<u>605 fathoms</u>	<u>681</u>	
DATA LENGTH (SEC) MIN	<u>✓</u>	MAX	SAMP RATE (MSEC)
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)		(M)	FOLD(NOMINAL)
SEIS TRACES		AUX TRACES	PROBLEM TRACES
SINGLE CHANNEL MONITOR TRACE #			
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO			
NAVIGATION SYSTEM INFO			
<u>COMMENTS:</u>			

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 9 COURSE ~ 35
PROJECT SCX14 AREA NW Slope, GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>010/10 Jan 91</u>	<u>10 Jan 91</u>	
TIME(Z)	<u>1320</u>	<u>1545</u>	<u>2 hr. 25 m</u> <u>145 m</u> <u>298 Shots</u>
LATITUDE	<u>27° 06.10'</u>	<u>27° 15.47'</u>	
LONGITUDE	<u>95° 25.43'</u>	<u>95° 16.69'</u>	
SHOTPOINT	<u>3573</u>	<u>3866</u>	
REC NUM	<u>3340</u>	<u>3637</u>	
TAPE NUM	<u>3</u>	<u>3</u>	
WATER DEPTH	<u>681</u>	<u>621</u>	
DATA LENGTH (SEC) MIN	<u>6</u>	MAX <u>6</u>	SAMP RATE (MSEC) <u>4 ms</u>
SHOOTING BY TIME	<input checked="" type="checkbox"/>	DISTANCE	
REP RATE (SEC)	<u>30</u>	(M)	FOLD(NOMINAL)
SEIS TRACES	<u>1-A</u>	AUX TRACES	PROBLEM TRACES
SINGLE CHANNEL MONITOR TRACE #			
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO			
NAVIGATION SYSTEM INFO		<u>LORAN C</u>	
COMMENTS:			

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 10 COURSE 216
PROJECT SCX14 AREA P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>010 / 10 Jan. 91</u>	<u>010 (10 Jan 91)</u>	
TIME(Z)	<u>1550</u>	<u>1830</u>	<u>2hr 40m = 200m</u> <u>400 shots</u>
LATITUDE	<u>27° 15.31 N</u>	<u>27 04.15</u>	
LONGITUDE	<u>95° 16.45 W</u>	<u>- 95 23.86</u>	
SHOTPOINT	<u>3877 3870?</u>	<u>4270</u>	<u>400</u>
REC NUM	<u>3638 3648</u>	<u>4048</u>	<u>400</u>
TAPE NUM	<u>3</u>		
WATER DEPTH	<u>621</u>	<u>601</u>	
DATA LENGTH (SEC) MIN	<u>6</u>	MAX <u>6</u>	SAMP RATE (MSEC) <u>4</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE <u> </u>	
REP RATE (SEC)	<u>30</u>	(M) <u> </u>	FOLD(NOMINAL) <u>4</u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u> </u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)	<u> </u>		
DISTANCE TO FAR TRACE (M)	<u> </u>		
SOURCE INFO	<u> </u>		
NAVIGATION SYSTEM INFO	<u>LORAN</u>		

COMMENTS:1539 gun stopped
1550 resumed firing

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 11 COURSE 035
PROJECT SCX14 AREA NW Slope, GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>10 Jan 91 (Day 010)</u>	<u>010 (10 Jan 91)</u>	
TIME(Z)	<u>1830</u>	<u>2048 (50)</u>	<u>2h 20</u> <small>150 m 360 shots</small>
LATITUDE	<u>27 04.15</u>	<u>27 13.56 (2045)</u>	
LONGITUDE	<u>-95 23.86</u>	<u>-95 15.83</u>	
SHOTPOINT	<u>4270</u>	<u>+360 = 4469</u>	
REC NUM	<u>4048</u>	<u>+360 = 4408 4228</u>	
TAPE NUM	<u>3</u>	<u>4</u>	
WATER DEPTH	<u>601 fms</u>	<u>602 fms</u>	
DATA LENGTH (SEC) MIN	<u>65</u>	MAX <u> </u>	SAMP RATE (MSEC) <u>4ms</u>
SHOOTING BY TIME	<u>—</u>	DISTANCE <u> </u>	
REP RATE (SEC)	<u>30s</u>	(M) <u> </u>	FOLD(NOMINAL) <u>4</u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u> </u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u> </u>		
DISTANCE TO NEAR TRACE (M)	<u> </u>		
DISTANCE TO FAR TRACE (M)	<u> </u>		
SOURCE INFO	<u> </u>		
NAVIGATION SYSTEM INFO	<u>Loran C</u>		
<u>COMMENTS:</u>			

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 12 COURSE 215
PROJECT SCX14 AREA NW Slope, GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>010 (10 Jan 91)</u>	<u>10 Jan 91</u>	<u>(10)</u>
TIME(Z)	<u>2048(50)</u>	<u>2200</u>	<u>1:12</u> 70m 140 shots
LATITUDE	<u>27 13.56 (2045)</u>	<u>27 07.97</u>	
LONGITUDE	<u>-95 15.83</u>	<u>-95 19.06</u>	
SHOTPOINT	<u>4470</u>	<u>4613</u>	
REC NUM	<u>4229</u>	<u>4371</u>	
TAPE NUM	<u>4</u>	<u>4</u>	
WATER DEPTH	<u>602 fm</u>	<u>688</u>	
DATA LENGTH (SEC) MIN	<u>6s</u>	MAX <u> </u>	SAMP RATE (MSEC) <u>4ms</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE <u> </u>	
REP RATE (SEC)	<u>30 s</u>	(M) <u> </u>	FOLD(NOMINAL) <u>4</u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u>none</u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)	<u> </u>		
DISTANCE TO FAR TRACE (M)	<u> </u>		
SOURCE INFO	<u> </u>		
NAVIGATION SYSTEM INFO	<u> </u>		
<u>COMMENTS:</u>			

2200 stop shooting ; transit to OBS pickup sites

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 13 COURSE 300
PROJECT SCX14 AREA NW Slope, GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>011 (11 Jan 1991)</u>	<u>011</u>	
TIME(Z)	<u>0908</u>	<u>1113</u>	<u>2:05</u>
LATITUDE	<u>26 56.91 (0905)</u>	<u>27° 02.69 N</u>	
LONGITUDE	<u>-95 11.32</u>	<u>95° 21.84 W</u>	
SHOTPOINT	<u>4372</u>	<u>4620</u>	
REC NUM	<u>4372</u>	<u>4619</u>	
TAPE NUM	<u>4</u>	<u>4</u>	
WATER DEPTH	<u>724 fms</u>	<u>610 fms</u>	
DATA LENGTH (SEC) MIN	<u>6s</u>	MAX <u> </u>	SAMP RATE (MSEC) <u>4/ms</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE <u> </u>	
REP RATE (SEC)	<u>30s</u>	(M) <u> </u>	FOLD(NOMINAL) <u>4</u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u>none</u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)	<u> </u>		
DISTANCE TO FAR TRACE (M)	<u> </u>		
SOURCE INFO	<u>1 gun</u>		
NAVIGATION SYSTEM INFO	<u>Loran C + GPS</u>		
<u>COMMENTS:</u>			

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 14 COURSE 180°
PROJECT SCX14 AREA NW slope, GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>011 (11 Jan 91)</u>	<u>011 / 11 Jan 91</u>	
TIME(Z)	<u>1113</u>	<u>1231</u>	
LATITUDE	<u>27° 02.69N</u>	<u>27° 55.82N</u>	
LONGITUDE	<u>95° 21.84W</u>	<u>95° 21.96W</u>	
SHOTPOINT	<u>4621</u>	<u>4776</u>	
REC NUM	<u>4620</u>	<u>4775</u>	
TAPE NUM	<u>4</u>	<u>4</u>	
WATER DEPTH	<u>610 fms</u>	<u>800 fms</u>	
DATA LENGTH (SEC) MIN	<u>6s</u>	MAX <u> </u>	SAMP RATE (MSEC) <u>4ms</u>
SHOOTING BY TIME	<u>—</u>	DISTANCE <u> </u>	
REP RATE (SEC)	<u>30s</u>	(M) <u> </u>	FOLD(NOMINAL) <u>4</u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u>none</u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)	<u> </u>		
DISTANCE TO FAR TRACE (M)	<u> </u>		
SOURCE INFO	<u>1 gun</u>		
NAVIGATION SYSTEM INFO	<u>Loran C & GPS</u>		

COMMENTS:

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 15 COURSE 27°
PROJECT SCX14 AREA NW Slope GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>011 / 11 Jan 91</u>	<u>011 / 11 Jan 91</u>	
TIME(Z)	<u>1231</u>	<u>1428</u>	<u>1:57</u>
LATITUDE	<u>27° 55.82 N</u>	<u>27° 03.45 N</u>	
LONGITUDE	<u>-95° 21.96 W</u>	<u>95° 16.73 W</u>	
SHOTPOINT	<u>4777</u>	<u>5010</u>	
REC NUM	<u>4776</u>	<u>5009</u>	
TAPE NUM	<u>4</u>	<u>4</u>	
WATER DEPTH	<u>800 fms</u>	<u>652 fms</u>	
DATA LENGTH (SEC) MIN	<u>6s</u>	MAX <u> </u>	SAMP RATE (MSEC) <u>4ms</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE <u> </u>	
REP RATE (SEC)	<u>30s</u>	(M) <u> </u>	FOLD(NOMINAL) <u>4</u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u>None</u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)	<u> </u>		
DISTANCE TO FAR TRACE (M)	<u> </u>		
SOURCE INFO	<u>1 gun</u>		
NAVIGATION SYSTEM INFO	<u>LoranC & GPS</u>		

COMMENTS:

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRE

LINE INFORMATION

CRUISE 91-G-01 LINE # 16 COURSE 000°
PROJECT SCX14 AREA NW slope, GOM P.I. Y. N.

<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE) <u>011 (11 Jan 1991)</u>	<u>011 11 Jan 91</u>	
TIME(Z) <u>2047</u>	<u>2244</u>	<u>1:57</u>
LATITUDE (<u>@ 2050</u>) <u>26 59.20</u>	<u>27 02.88</u>	
LONGITUDE <u>-95 18.02</u>	<u>95 51.60</u>	
SHOTPOINT <u>5010</u>	<u>5181</u>	
REC NUM <u>5010</u>	<u>5158</u>	
TAPE NUM <u>5</u>	<u>5</u>	
WATER DEPTH <u>180 fms</u>	<u>718 fms</u>	
DATA LENGTH (SEC) MIN <u>6s</u>	MAX <u> </u>	SAMP RATE (MSEC) <u>4ms</u>
SHOOTING BY TIME <u>✓</u>	DISTANCE <u> </u>	
REP RATE (SEC) <u>30s</u>	(M) <u> </u>	FOLD(NOMINAL) <u>4</u>
SEIS TRACES <u>1-4</u>	AUX TRACES <u>none</u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE # <u>3</u>		
DISTANCE TO NEAR TRACE (M) <u> </u>		
DISTANCE TO FAR TRACE (M) <u> </u>		
SOURCE INFO <u>1 gun</u>		
NAVIGATION SYSTEM INFO <u>Loran C + GPS</u>		

COMMENTS:

2053z gun pulled; air hose in need of repair
boat anchor
~ 2123 restart line
2213 shut down - check compressor
2227 restart line 5129 (5119) ←
2237 turn to 107 5207 (5184)
2220 airgun pulled again
2227 airgun firing

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 17 COURSE 30°
PROJECT SCX14 AREA NW Slope GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>011/11 Jan 91</u>	<u>012 (12 Jan 91)</u>	
TIME(Z)	<u>22.44</u>	<u>0020</u>	<u>1:36</u>
LATITUDE	<u>27°02.88 N</u>	<u>27°09.09 N</u>	
LONGITUDE	<u>95°51.60 W</u>	<u>95°12.76 W</u>	
SHOTPOINT	<u>5181</u>	<u>5367</u>	
REC NUM	<u>5158</u>	<u>5344</u>	
TAPE NUM	<u>5</u>	<u>5</u>	
WATER DEPTH	<u>718 fms</u>	<u>688 fms</u>	
DATA LENGTH (SEC) MIN	<u>6</u>	MAX <u> </u>	SAMP RATE (MSEC) <u>4</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE <u> </u>	
REP RATE (SEC)	<u>30s</u>	(M) <u> </u>	FOLD(NOMINAL) <u>4</u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u> </u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)	<u> </u>		
DISTANCE TO FAR TRACE (M)	<u> </u>		
SOURCE INFO	<u>1 gun</u>		
NAVIGATION SYSTEM INFO	<u>horanc & GPS</u>		
<u>COMMENTS:</u>			

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 18 COURSE 150°
PROJECT SCX14 AREA NW Slope, GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>012 (12 Jan 91)</u>	<u>012 (12 Jan 91)</u>	
TIME(Z)	<u>0020</u>	<u>0100</u>	
LATITUDE	<u>27°09.09N</u>	<u>27°06.23N</u>	
LONGITUDE	<u>95°12.76W</u>	<u>95°10.59W</u>	
SHOTPOINT	<u>5368</u>	<u>5447</u>	
REC NUM	<u>5345</u>	<u>5423</u>	
TAPE NUM	<u>5</u>	<u>5</u>	
WATER DEPTH	<u>688 fms</u>	<u>707 fms</u>	
DATA LENGTH (SEC) MIN	<u>6s</u>	MAX <u> </u>	SAMP RATE (MSEC) <u>4ms</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE <u> </u>	
REP RATE (SEC)	<u>30s</u>	(M) <u> </u>	FOLD(NOMINAL) <u>4</u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u>0</u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)	<u> </u>		
DISTANCE TO FAR TRACE (M)	<u> </u>		
SOURCE INFO	<u>1 gun</u>		
NAVIGATION SYSTEM INFO	<u>Loran C & GPS</u>		

COMMENTS: Cont to Line #16 (Page 17) depth 707 fms
0100 (27°06.23N 95°10.59W 5447/5423 CSE 153°) turn to 280°

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 19 COURSE 277.5°
PROJECT SCX14 AREA NW Slope, GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>012 / 12 Jan 91</u>	<u>012 / 12 Jan 91</u>	
TIME(Z)	<u>0100</u>	<u>0255</u>	<u>1:55</u>
LATITUDE	<u>27° 06.23 N</u>	<u>27° 06.55 N</u>	
LONGITUDE	<u>-95° 10.59 W</u>	<u>-95° 20.27 W</u>	
SHOTPOINT	<u>5448</u>	<u>5682</u>	
REC NUM	<u>5424</u>	<u>5624</u>	
TAPE NUM	<u>5</u>	<u>5</u>	
WATER DEPTH	<u>707 fms</u>	<u>714 fms</u>	
DATA LENGTH (SEC) MIN	<u> </u>	MAX <u> </u>	SAMP RATE (MSEC) <u> </u>
SHOOTING BY TIME	<u> </u>	DISTANCE <u> </u>	
REP RATE (SEC)	<u>30s</u>	(M) <u> </u>	FOLD(NOMINAL) <u> </u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u> </u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)	<u> </u>		
DISTANCE TO FAR TRACE (M)	<u> </u>		
SOURCE INFO	<u>1 gun</u>		
NAVIGATION SYSTEM INFO	<u>Lotrac & GPS</u>		

COMMENTS:

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 20 COURSE 094°PROJECT SCX14 AREA NW Slope GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>012/12 Jan '91</u>	<u>012/12 Jan '91</u>	
TIME(Z)	<u>0255</u>	<u>0422</u>	<u>1:27</u>
LATITUDE	<u>27° 06.55 N</u>	<u>27° 05.04 N</u>	
LONGITUDE	<u>-95° 20.27 W</u>	<u>-95° 12.09</u>	
SHOTPOINT	<u>5683</u>	<u>5853</u>	
REC NUM	<u>5625</u>	<u>5830</u>	
TAPE NUM	<u>5</u>	<u>5</u>	
WATER DEPTH	<u>714 fms</u>	<u>606 fms</u>	
DATA LENGTH (SEC) MIN	<u>65</u>	MAX <u> </u>	SAMP RATE (MSEC) <u>4ms</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE <u> </u>	
REP RATE (SEC)	<u>30</u>	(M) <u> </u>	FOLD(NOMINAL) <u> </u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u> </u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)	<u> </u>		
DISTANCE TO FAR TRACE (M)	<u> </u>		
SOURCE INFO	<u>1 gun</u>		
NAVIGATION SYSTEM INFO	<u>Loran C & GPS</u>		

COMMENTS:

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 21 COURSE 220°
PROJECT SCX14 AREA NW Slope GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>012 / 12 Jan '91</u>	<u>012 / 12 Jan '91</u>	
TIME(Z)	<u>0422</u>	<u>0608</u>	
LATITUDE	<u>27° 05.04 N</u>	<u>26 58.30 (0605)</u>	
LONGITUDE	<u>-95 12.09 W</u>	<u>-95 18.54</u>	
SHOTPOINT	<u>5854</u>	<u>6063</u>	
REC NUM	<u>5831</u>	<u>6040</u>	
TAPE NUM	<u>5</u>	<u>5</u>	
WATER DEPTH	<u>606 fms</u>	<u>752</u>	
DATA LENGTH (SEC) MIN <u>6s</u>		MAX <u> </u> SAMP RATE (MSEC) <u> </u>	
SHOOTING BY TIME <u> </u>		DISTANCE <u> </u>	
REP RATE (SEC) <u>30</u>	(M) <u> </u>	FOLD(NOMINAL) <u> </u>	
SEIS TRACES <u>1-4</u>	AUX TRACES <u> </u>	PROBLEM TRACES <u> </u>	
SINGLE CHANNEL MONITOR TRACE # <u>3</u>			
DISTANCE TO NEAR TRACE (M) <u> </u>			
DISTANCE TO FAR TRACE (M) <u> </u>			
SOURCE INFO <u>1 gun</u>			
NAVIGATION SYSTEM INFO <u>Loran C & GPS</u>			

COMMENTS:

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 22 COURSE 290°
PROJECT SCX14 AREA P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>.12 Jan 91</u>	<u>12 Jan 91</u>	
TIME(Z)	<u>0608</u>	<u>0708</u>	<u>1:00</u>
LATITUDE	<u>26 58.30 (0605)</u>	<u>27 00.78 (0705)</u>	
LONGITUDE	<u>-95 18.54</u>	<u>-95 23.19</u>	
SHOTPOINT	<u>6064</u>	<u>6184</u>	
REC NUM	<u>6041</u>	<u>6161</u>	
TAPE NUM	<u>5</u>	<u>5</u>	
WATER DEPTH	<u>752 fms</u>	<u>614 fms</u>	
DATA LENGTH (SEC) MIN	<u>65</u>	MAX <u> </u>	SAMP RATE (MSEC) <u>4</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE <u> </u>	
REP RATE (SEC)	<u>30s</u>	(M) <u> </u>	FOLD(NOMINAL) <u>4</u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u>Ø</u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)	<u> </u>		
DISTANCE TO FAR TRACE (M)	<u> </u>		
SOURCE INFO	<u> </u>		
NAVIGATION SYSTEM INFO	<u>Loran C & GPS</u>		
COMMENTS:			

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 23 COURSE 200°
PROJECT SCX14 AREA NW Slope, GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>012 12 Jan 91</u>	<u>12 Jan 91</u>	
TIME(Z)	<u>0708</u>	<u>0748</u>	<u>:40</u>
LATITUDE	<u>27 00.78 (0705)</u>	<u>26 57.58 (0745)</u>	
LONGITUDE	<u>-95 23.19</u>	<u>-95 24.77</u>	
SHOTPOINT	<u>6185</u>	<u>6265</u>	
REC NUM	<u>6162</u>	<u>6242</u>	
TAPE NUM	<u>5</u>	<u>5</u>	
WATER DEPTH	<u>614 fms</u>	<u>642 fms</u>	
DATA LENGTH (SEC) MIN	<u>65</u>	MAX	SAMP RATE (MSEC) <u>41</u>
SHOOTING BY TIME	<u>—</u>	DISTANCE	
REP RATE (SEC)	<u>30s</u>	(M)	FOLD(NOMINAL) <u>4</u>
SEIS TRACES	<u>1-4</u>	AUX TRACES <u>None</u>	PROBLEM TRACES <u> </u>
SINGLE CHANNEL MONITOR TRACE #	<u>3</u>		
DISTANCE TO NEAR TRACE (M)	<u> </u>		
DISTANCE TO FAR TRACE (M)	<u> </u>		
SOURCE INFO	<u>1 gun</u>		
NAVIGATION SYSTEM INFO	<u>Loran C + GPS</u>		

COMMENTS:

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R/V GYRELINE INFORMATIONCRUISE 91-G-01 LINE # 24 COURSE 000
PROJECT SCX14 AREA NW Slope, GOM P.I.

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>12 Jan 91</u>	<u>12 Jan 91</u>	
TIME(Z)	<u>0748</u>	<u>0803</u>	<u>:15</u>
LATITUDE (<u>0745</u>)	<u>26 57.58</u>	<u>26 59.06</u> (<u>0805</u>)	
LONGITUDE	<u>-95 24.77</u>	<u>-95 24.97</u>	
SHOTPOINT	<u>6266</u>	<u>6295</u>	
REC NUM	<u>6243</u>	<u>6271</u>	
TAPE NUM	<u>5</u>	<u>5</u>	
WATER DEPTH	<u>642 fms</u>	<u>643 fms</u>	
DATA LENGTH (SEC) MIN <u>6s</u>		MAX <u> </u> SAMP RATE (MSEC) <u>4</u>	
SHOOTING BY TIME <u> </u>		DISTANCE <u> </u>	
REP RATE (SEC) <u>30s</u>		(M) <u> </u> FOLD(NOMINAL) <u>4</u>	
SEIS TRACES <u>1-4</u>		AUX TRACES <u>0</u> PROBLEM TRACES <u> </u>	
SINGLE CHANNEL MONITOR TRACE # <u>3</u>			
DISTANCE TO NEAR TRACE (M) <u> </u>			
DISTANCE TO FAR TRACE (M) <u> </u>			
SOURCE INFO <u>1 gun</u>			
NAVIGATION SYSTEM INFO <u>Loran C & GPS</u>			
COMMENTS:			

premature end of line - out of oil for compressors