

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

LINE INFORMATION

CRUISE ~~91-12500~~ 9566 LINE # A2 / Line 1 COURSE 174  
PROJECT SCXV11 AREA TEXAS SLOPE P.I. E. W. BEHRENS

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>255 / 13 SEP 95</u>	<u>255 / 13 SEP 95</u>	
TIME(Z)	<u>1327</u>	<u>1450</u>	<u>1 hr 23 min</u>
LATITUDE	<u>27 48.65</u>	<u>27 43.15</u>	
LONGITUDE	<u>95 42.29</u>	<u>95 40.83</u>	
SHOTPOINT	<u>1</u>	<u>409</u>	<u>409</u>
REC NUM (File #)	<u>1</u>	<u>409</u>	<u>409</u>
TAPE NUM			
WATER DEPTH	<u>63.8 m</u>	<u>116.25 m</u>	
DATA LENGTH (SEC) MIN	<u>0</u>	MAX <u>3</u>	SAMP RATE (MSEC) <u>1</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>12</u>	(M) <u>(~25)</u>	FOLD(NOMINAL) <u>12</u>
SEIS TRACES	<u>48</u>	AUX TRACES <u>0</u>	PROBLEM TRACES <u>32</u>
SINGLE CHANNEL MONITOR TRACE #	<u>—</u>		
DISTANCE TO NEAR TRACE (M)	<u>56.25</u>		
DISTANCE TO FAR TRACE (M)	<u>656.25</u>		
SOURCE INFO	<u>1 air gun, 45 cu. in. (G.I. source)</u>		
NAVIGATION SYSTEM INFO	<u>DGPS</u>		

COMMENTS: (Speed)

1-3 ft waves

streamer depth 3 m

air gun depth 2.5 m

speed ~ 3.8 kn

4 birds, 1 per 16 sections (200m) - sections 1, 16, 32, 48

low cut filter on tape (27 Hz ?)

10 hrs / 1 DAT tape

stopped shooting - compressor out of fuel,  
180° turn

last few shots weak

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~~DAVE LONGHORN~~

LINE INFORMATION

CRUISE ~~91-1-500~~ 9866 LINE # A2 / Line 2 COURSE 357 / 176 (back on A2)

PROJECT SCXV11 AREA TEXAS SLOPE P.I. E. W. BEHRENS

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>255 / 13 SEP 95</u>	<u>255 / 13 SEP 95</u>	
TIME(Z)	<u>15 37 20 Z</u>	<u>2200 00 Z</u>	
LATITUDE	<u>27 44.62</u>	<u>27 20.8</u>	
LONGITUDE	<u>95 41.19</u>	<u>95 34.59</u>	
SHOTPOINT	<u>~485</u>		
REC NUM (File #)	<u>485</u>	<u>2395</u>	
TAPE NUM			
WATER DEPTH	<u>78.75 m</u>		
DATA LENGTH (SEC) MIN	<u>0</u>	MAX <u>3</u>	SAMP RATE (MSEC) <u>1</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>12</u>	(M) <u>(~25)</u>	FOLD(NOMINAL) <u>12</u>
SEIS TRACES	<u>48</u>	AUX TRACES <u>0</u>	PROBLEM TRACES
SINGLE CHANNEL MONITOR TRACE #	<u>—</u>		
DISTANCE TO NEAR TRACE (M)	<u>56.25</u>		
DISTANCE TO FAR TRACE (M)	<u>656.25</u>		
SOURCE INFO	<u>1 G.I. air gun, 45 cu.in.</u>		
NAVIGATION SYSTEM INFO	<u>DGPS</u>		

COMMENTS:

15 48 30 Z 27 43.85 95 41.20 straightened out, back on line A2  
2.7 kn

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~~R. L. LONGHORN~~

LINE INFORMATION

CRUISE 011580 9566 LINE # A6 / LINE 3 COURSE 338  
PROJECT SCXV00 AREA TEXAS SLOPE P.I. E. W. BEHRENS

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>256 / 14 SEPT. 1995</u>	<u>256 / 14 SEP 95</u>	
TIME(Z)	<u>1322</u>	<u>1621</u>	<u>2 hrs. 59 min.</u>
LATITUDE	<u>27 32.12</u>	<u>27 44.75</u>	
LONGITUDE	<u>95 30.19</u>	<u>95 34.74</u>	
SHOTPOINT	<u>~840</u>	<u>1906</u>	<u>1066</u>
REC NUM (File #)	<u>840</u>	<u>1906</u>	<u>1066</u>
TAPE NUM			
WATER DEPTH	<u>586.88m</u>	<u>99.4m</u>	
DATA LENGTH (SEC) MIN	<u>0</u>	MAX <u>3</u>	SAMP RATE (MSEC) <u>1</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>10</u>	(M) <u>~25m</u>	FOLD(NOMINAL) <u>12</u>
SEIS TRACES	<u>48</u>	AUX TRACES <u>0</u>	PROBLEM TRACES <u>32 (31) (5)</u>
SINGLE CHANNEL MONITOR TRACE #	<u>—</u>		
DISTANCE TO NEAR TRACE (M)	<u>56.25</u>		
DISTANCE TO FAR TRACE (M)	<u>656.25</u>		
SOURCE INFO	<u>1 G.I. air gun, 45 cu.in.</u>		
NAVIGATION SYSTEM INFO	<u>DGPS</u>		

COMMENTS:

Note: Trying 6 sec. rep. rate. - compressors can't handle it,  
go to 10s, increase speed to 4.8 kn  
going against current  
1-2 ft waves  
recorded ~5 minutes past W.P. 12  
Rear bird malfunctioning. End of streamer too shallow

THE UNIVERSITY OF TEXAS AT AUSTIN  
INSTITUTE FOR GEOPHYSICS~~REEL LONGHORN~~LINE INFORMATIONCRUISE 95-66 LINE # A7 / Line 4 COURSE 160PROJECT SCXV11 AREA TEXAS SLOPE P.I. E. W. BEHRENS

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>256/14 SEP 95</u>	<u>256/14 SEPT. 1995</u>	
TIME(Z)	<u>1758.48</u>	<u>2100 Z</u>	<u>3 hrs 2 min</u>
LATITUDE	<u>27 54.5</u>	<u>27° 31.93</u>	
LONGITUDE	<u>95 33.5</u>	<u>-95° 28.99</u>	
SHOTPOINT	<u>1</u>		
REC NUM	<u>File # 1914</u>	<u>3043</u>	
TAPE NUM			
WATER DEPTH	<u>106.9 m</u>	<u>607.5</u>	
DATA LENGTH (SEC) MIN	<u>0</u>	MAX <u>3</u>	SAMP RATE (MSEC) <u>1</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>10</u>	(M) <u>~25</u>	FOLD(NOMINAL) <u>12</u>
SEIS TRACES	<u>48</u>	AUX TRACES <u>0</u>	PROBLEM TRACES
SINGLE CHANNEL MONITOR TRACE #	<u>—</u>		
DISTANCE TO NEAR TRACE (M)	<u>56.25</u>		
DISTANCE TO FAR TRACE (M)	<u>656.25</u>		
SOURCE INFO	<u>1 G.I. air gun, 45 cu. in.</u>		
NAVIGATION SYSTEM INFO	<u>DGPS</u>		

COMMENTS:

added weight to near trace section to decrease noise before SOL  
going w/ current  
1-2 ft waves

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~~DA LONGHORN~~

LINE INFORMATION

CRUISE 95-6-6 ~~011-530~~ LINE # A8/LINE 5 COURSE 346  
PROJECT SCXV00 AREA TEXAS SLOPE P.I. E. W. BEHRENS

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>256 / 14 SEPT. 1995</u>	<u>257 / 15 SEP 95</u>	
TIME(Z)	<u>22 18:10 Z</u>	<u>01 15 00 Z</u>	<u>2 hrs 57 min</u>
LATITUDE	<u>27 33.34 } at 1</u>	<u>27 44.92</u>	
LONGITUDE	<u>95 28.63 } 2219:50Z</u>	<u>95 32.61</u>	
SHOTPOINT	<u>3080</u>	<u>4140</u>	<u>1060</u>
REC NUM	<u>3080</u>	<u>4140</u>	<u>1060</u>
TAPE NUM	<u>3</u>		
WATER DEPTH	<u>570 m</u>	<u>108.75 m</u>	
DATA LENGTH (SEC) MIN	<u>0</u>	MAX <u>3</u>	SAMP RATE (MSEC) <u>1</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>10</u>	(M) <u>~25</u>	FOLD(NOMINAL) <u>12</u>
SEIS TRACES	<u>48</u>	AUX TRACES <u>0</u>	PROBLEM TRACES <u>31 17</u>
SINGLE CHANNEL MONITOR TRACE #	<u>—</u>		
DISTANCE TO NEAR TRACE (M)	<u>56.25</u>		
DISTANCE TO FAR TRACE (M)	<u>656.25</u>		
SOURCE INFO	<u>1 G.I. AIR GUN, 45 cu. in.</u>		
NAVIGATION SYSTEM INFO	<u>DGPS</u>		

COMMENTS:

Added weight to streamer outboard of bird 4  
Lengthened tail float line to 100 m (from 50 m).

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LINE INFORMATION

CRUISE 95-66 ~~91-1580~~ LINE # A9 / Line 6 COURSE 164  
PROJECT SCXV AREA TEXAS SLOPE P.I. E. W. BEHRENS

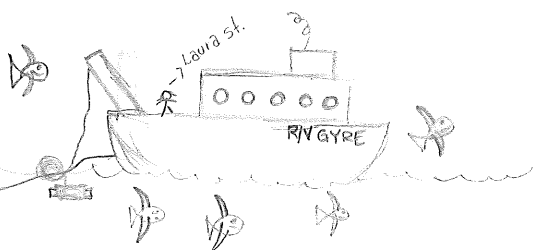
	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>257 / 15 SEP 95</u>	<u>257 / 15 SEP 95</u>	
TIME(Z)	<u>02 00 00 Z</u>	<u>04 35</u>	<u>2 hrs 35 min.</u>
LATITUDE	<u>27 45.68</u>	<u>27 34.55</u>	
LONGITUDE	<u>95 31.80</u>	<u>95 27.82</u>	
SHOTPOINT	<u>4143</u>	<u>5070</u>	<u>927</u>
REC NUM	<u>4143</u>	<u>5070</u>	<u>927</u>
TAPE NUM	<u>3</u>		
WATER DEPTH	<u>103.1 m</u>	<u>575.6 m</u>	
DATA LENGTH (SEC) MIN	<u>0</u>	MAX <u>3</u>	SAMP RATE (MSEC) <u>1</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>10</u>	(M) <u>~25</u>	FOLD(NOMINAL) <u>12</u>
SEIS TRACES	<u>48</u>	AUX TRACES <u>0</u>	PROBLEM TRACES <u>32 16 17</u>
SINGLE CHANNEL MONITOR TRACE #	<u>—</u>		
DISTANCE TO NEAR TRACE (M)	<u>56.25</u>		
DISTANCE TO FAR TRACE (M)	<u>656.25</u>		
SOURCE INFO	<u>1 G. I. air gun, 45 cu. in.</u>		
NAVIGATION SYSTEM INFO	<u>DGPS</u>		

COMMENTS:

SP 4208 trying to change Streamer depth from 4m to 3m - success!

0314Z noise in many channels - looks like  
radio interference (beginning 4560)

0345Z ship 7mi away - may cause noise



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~~RW LONGSTON~~ *Gyre*

**LINE INFORMATION**

CRUISE ~~91-L-580~~ 95-66 LINE # A10/Line 7 COURSE 164  
PROJECT SCXV00 AREA TEXAS SLOPE P.I. E. W. BEHRENS

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>257 / Sept. 15 '95</u>	<u>257 / Sept 15 95</u>	
TIME(Z)	<u>15 39 30 Z</u>	<u>18 13 13 Z</u>	
LATITUDE	<u>27° 33.62</u>	<u>27.45.16 (1810Z)</u>	
LONGITUDE	<u>-95° 26.33</u>	<u>-95.30.47 (1810Z)</u>	
SHOTPOINT	<u>5070</u>	<u>5899</u>	
REC NUM	<u>5070</u>	<u>5899</u>	
TAPE NUM	<u>3</u>	<u>4</u>	
WATER DEPTH	<u>633.8m</u>		
DATA LENGTH (SEC) MIN	<u>0</u>	MAX <u>3</u>	SAMP RATE (MSEC) <u>1</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>10/12</u>	(M)	FOLD(NOMINAL) <u>12</u>
SEIS TRACES	<u>48</u>	AUX TRACES <u>0</u>	PROBLEM TRACES <u>16 32 18</u>
SINGLE CHANNEL MONITOR TRACE #	<u>—</u>		
DISTANCE TO NEAR TRACE (M)	<u>56.25m</u>		
DISTANCE TO FAR TRACE (M)	<u>656.25m</u>		
SOURCE INFO	<u>1 G.I. air gun, 45 cu. in.</u>		
NAVIGATION SYSTEM INFO	<u>DGPS</u>		

**COMMENTS:**

missed few shots at beginning                      1-3 ft waves  
5073 passing W.P. 21 15 40 30 Z  
16, 18, 23, 32 problem traces  
5098 only recording every other shot, went to 12s rep rate,  
still experimenting  
up to 5131 recording rate variable, after 5131 recording every shot (10s)  
started tape 4 at 5132

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R/V GYRELINE INFORMATIONCRUISE 9566 ~~1610RN~~ LINE # 67/Line 8 COURSE 218  
PROJECT SCXIII AREA Texas Continental Slope P.I. \_\_\_\_\_

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>257/Sept 15, 95</u>	<u>257/Sept 15, 95</u>	
TIME(Z)	<u>19 41 10</u>	<u>01 09 00</u>	<u>5 hrs 28 min</u>
LATITUDE	<u>~ 27 45 10 (WP42)</u>	<u>27 25.10 (WP43)</u>	
LONGITUDE	<u>95 27 75</u>	<u>95 44.09</u>	
SHOTPOINT	<u>5900</u>	<u>7866</u>	<u>1966</u>
REC NUM	<u>5900</u>	<u>7866</u>	<u>1966</u>
TAPE NUM	<u>4</u>		
WATER DEPTH	<u>123.75</u>	<u>703.1</u>	
DATA LENGTH (SEC) MIN	<u>0</u>	MAX <u>3</u>	SAMP RATE (MSEC) <u>1</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>10s</u>	(M) <u>~25</u>	FOLD(NOMINAL) <u>12</u>
SEIS TRACES	<u>48</u>	AUX TRACES <u>0</u>	PROBLEM TRACES <u>32</u>
SINGLE CHANNEL MONITOR TRACE #			
DISTANCE TO NEAR TRACE (M)	<u>56.25</u>		
DISTANCE TO FAR TRACE (M)	<u>656.25</u>		
SOURCE INFO	<u>1 G.I. Air gun</u>	<u>45 cu. in.</u>	
NAVIGATION SYSTEM INFO	<u>DGPS</u>		

COMMENTS:



THE UNIVERSITY OF TEXAS AT AUSTIN  
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R/V GYRE

LINE INFORMATION

CRUISE <sup>95-G-6</sup> ~~LONGHORN~~ LINE # A4/Line 9 COURSE 342  
PROJECT SCX00 AREA Texas Continental Slope P.I. \_\_\_\_\_

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>258/16 SEP 95</u>	<u>258/16 SEPT 95</u>	
TIME(Z)	<u>16 29 53 Z</u>	<u>2102 Z</u>	<u>8 hrs 51 min</u>
LATITUDE	<u>27 22.99</u>	<u>27.44.99</u>	} (At 2104Z)
LONGITUDE	<u>95 32.96</u>	<u>95 34.32</u>	
SHOTPOINT	<u>7942</u>	<u>9574</u>	
REC NUM	<u>7942</u>	<u>9574</u>	
TAPE NUM	<u>5</u>	<u>5</u>	
WATER DEPTH	<u>961.9m</u>	<u>84.3m</u>	
DATA LENGTH (SEC) MIN	<u>0</u>	MAX <u>3</u>	SAMP RATE (MSEC) <u>1</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE _____	
REP RATE (SEC)	<u>10</u>	(M) <u>~25</u>	FOLD(NOMINAL) <del>12</del> <u>12</u>
SEIS TRACES	<u>48</u>	AUX TRACES <u>0</u>	PROBLEM TRACES _____
SINGLE CHANNEL MONITOR TRACE #	_____		
DISTANCE TO NEAR TRACE (M)	<u>56.25</u>		
DISTANCE TO FAR TRACE (M)	<u>656.25</u>		
SOURCE INFO	<u>1 G.I. air gun, 45 cu. in.</u>		
NAVIGATION SYSTEM INFO	<u>DGPS</u>		

COMMENTS:

Waves 2-3 ft

\* 8229-8231; Outer half of streamer disconnected

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R/V GYRE

LINE INFORMATION

CRUISE 95G-6 LINE # A3/LINE 10 COURSE \_\_\_\_\_  
PROJECT SCXTB AREA Texas Continental Slope P.I. \_\_\_\_\_

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>258/16 SEPT 95</u>	<u>258/16 SEPT 95</u>	
TIME(Z)	<u>21 45.512</u>	<u>23 35.00</u>	<u>2 hrs 10 min 51 s</u>
LATITUDE	<u>27° 44.85</u>	<u>27° 37.00</u>	
LONGITUDE	<u>95 40.29</u>	<u>95 38.11</u>	
SHOTPOINT	<u>9825</u>	<u>10478</u>	
REC NUM	<u>9825</u>	<u>10478</u>	
TAPE NUM	<u>6</u>	<u>6</u>	
WATER DEPTH	<u>78.8M</u>	<u>502.5 M</u>	
DATA LENGTH (SEC) MIN	<u>0</u>	MAX <u>3</u>	SAMP RATE (MSEC) <u>1</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE _____	
REP RATE (SEC)	<u>10</u>	(M) _____	FOLD(NOMINAL) <u>12</u>
SEIS TRACES	<u>48</u>	AUX TRACES <u>0</u>	PROBLEM TRACES <u>32 16 17 18</u>
SINGLE CHANNEL MONITOR TRACE #	<u>—</u>		<u>21 35 43</u>
DISTANCE TO NEAR TRACE (M)	<u>56.25</u>		<u>45</u>
DISTANCE TO FAR TRACE (M)	<u>656.25</u>		
SOURCE INFO	<u>1 G.I. air gun, 45 cu.in.</u>		
NAVIGATION SYSTEM INFO	<u>DGPS</u>		

COMMENTS: