

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R. V. FRED H. MOORELINE INFORMATIONCRUISE FM35-06 LINE # SSP-2 COURSE 234
PROJECT Nankai AREA Nankai P.I. Shipley/Stoffa

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
rec #1 not logged	DATE(JD/DATE) <u>J199</u>	<u>J199</u>	
	TIME(Z) <u>14:13:04</u>	<u>20:30:39</u>	
rec #2	LATITUDE <u>32°23'14" N</u>	<u>32°10'36" N</u>	
rec #1-7 ITB	LONGITUDE <u>135°09'14" E</u>	<u>134°49'16" E</u>	
data begins w/ rec #8	SHOTPOINT <u>#8</u>	<u>#1193</u>	
	REC NUM <u>0001</u>	<u>1193</u>	
	TAPE NUM <u>356044</u>	<u>356063</u>	
	WATER DEPTH _____		
	DATA LENGTH (SEC) MIN <u>16</u>	MAX _____	SAMP RATE (MSEC) <u>2</u>
	SHOOTING BY TIME <u>✓</u>	DISTANCE _____	
	REP RATE (SEC) <u>19</u>	(M) _____	FOLD(NOMINAL) <u>48</u>
	SEIS TRACES <u>96</u>	AUX TRACES _____	PROBLEM TRACES <u>23,49(32,38)</u>
	SINGLE CHANNEL MONITOR TRACE # _____		
	DISTANCE TO NEAR TRACE (M) _____		
	DISTANCE TO FAR TRACE (M) _____		
	SOURCE INFO <u>400 in³ water gun</u>		
	NAVIGATION SYSTEM INFO <u>Syledis</u>		
	<u>COMMENTS:</u>		

NO REEL 356046, reject on MT3
group length 16²/₃

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LINE INFORMATION

(split spread)
CRUISE FM 35-06 LINE # SSP-6 COURSE 198.479
PROJECT Nankai AREA Nankai P.I. Shipley/Stoffa

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>5198</u>	<u>5198</u>	
TIME(Z)	<u>10:46</u>	<u>14:32</u>	<u>3:46</u>
LATITUDE	<u>32° 42' 04" N</u>	<u>32° 26' 03" N</u>	
LONGITUDE	<u>134° 49' 53" E</u>	<u>134° 43' 02" E</u>	
SHOTPOINT			
REC NUM	<u>0001</u>	<u>0714</u>	<u>714</u>
TAPE NUM	<u>356001</u>	<u>356011</u>	<u>11</u>
WATER DEPTH			

DATA LENGTH (SEC) MIN 16 MAX _____ SAMP RATE (MSEC) 2 ms

SHOOTING BY TIME ☒ DISTANCE _____

REP RATE (SEC) 19 (M) _____ FOLD(NOMINAL) 48

SEIS TRACES 96 AUX TRACES _____ PROBLEM TRACES 23, 47 (32, 38)

SINGLE CHANNEL MONITOR TRACE # _____

DISTANCE TO NEAR TRACE (M) _____

DISTANCE TO FAR TRACE (M) _____

SOURCE INFO 400 in³ water gun

NAVIGATION SYSTEM INFO Syledis

COMMENTS: begin test
group length 16 2/3

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PROJECT NANKAI AREA NANKAI P.I. SHIPLEY / STOFFA

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>5198</u>	<u>5198</u>	
TIME(Z)	<u>19:15</u>	<u>20:00</u>	
LATITUDE	<u>32° 22.65' N</u>	<u>32° 26.51' N</u>	
LONGITUDE	<u>134° 46.02' E</u>	<u>134° 49.62' E</u>	
SHOTPOINT	<u># 11</u>	<u># 156</u>	
REC NUM	<u># 11</u>	<u># 156</u>	<u>146</u>
TAPE NUM	<u>356012</u>	<u>356014</u>	
WATER DEPTH			
DATA LENGTH (SEC) MIN	<u>16"</u>	MAX	SAMP RATE (MSEC) <u>2 ms</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>19"</u>	(M)	FOLD(NOMINAL) <u>48</u>
SEIS TRACES	<u>96</u>	AUX TRACES	PROBLEM TRACES <u>23, 47, (32, 38)</u>
SINGLE CHANNEL MONITOR TRACE #			
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO	<u>400 in³ water gun</u>		
NAVIGATION SYSTEM INFO	<u>Syledis</u>		

COMMENTS:

other ship got off course, have to start over with
SSP-5A.
group length 16²/₃

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R. V. FRED H. MOORELINE INFORMATIONCRUISE FM35-06 LINE # SSP-5A COURSE _____
PROJECT NANKAI AREA NANKAI P.I. SHIPLEY / STOFFA

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>J 198</u>	<u>J 199</u>	
TIME(Z)	<u>23:05</u>	<u>01:24</u>	
LATITUDE	<u>32°22.66 N</u>	<u>32°35.76 N</u>	
LONGITUDE	<u>134°46.47 E</u>	<u>134°58.23 E</u>	
SHOTPOINT			
REC NUM	<u>#2</u>	<u>#143</u>	
TAPE NUM	<u>356015</u>	<u>356021</u>	
WATER DEPTH			
DATA LENGTH (SEC) MIN	<u>16</u>	MAX _____	SAMP RATE (MSEC) <u>2 m s</u>
SHOOTING BY TIME	<input checked="" type="checkbox"/>	DISTANCE _____	
REP RATE (SEC)	<u>19</u>	(M) _____	FOLD(NOMINAL) <u>48</u>
SEIS TRACES	<u>96</u>	AUX TRACES _____	PROBLEM TRACES <u>22, 49, (32, 38)</u>
SINGLE CHANNEL MONITOR TRACE #			
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO	<u>400 m³ water gun</u>		
NAVIGATION SYSTEM INFO	<u>Sylodis</u>		

COMMENTS:CPA shot. 189 A B
group length 16²/₃ 142m - 143m

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R. V. FRED H. MOORELINE INFORMATIONCRUISE FM35-06 LINE # SSP-4 COURSE 223
PROJECT Nankai AREA Nankai P.I. Shipley/Stoffa

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>J199</u>	<u>J199</u>	
TIME(Z)	<u>03:15:00</u>	<u>08:14:25</u>	
LATITUDE	<u>32° 30' 31"</u>	<u>32° 16' 07"</u>	
LONGITUDE	<u>135° 05' 14"</u>	<u>134 49' 55"</u>	
SHOTPOINT			
REC NUM	<u>0001</u>	<u>0943</u>	
TAPE NUM	<u>356022</u>	<u>356036</u>	
WATER DEPTH			
DATA LENGTH (SEC) MIN	<u>16</u>	MAX	SAMP RATE (MSEC) <u>2</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>19</u>	(M)	FOLD(NOMINAL) <u>48</u>
SEIS TRACES	<u>96</u>	AUX TRACES	PROBLEM TRACES <u>23,49 (32,38)</u>
SINGLE CHANNEL MONITOR TRACE #			
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO	<u>400 in³ water gun</u>		
NAVIGATION SYSTEM INFO	<u>syledis</u>		

COMMENTS:group length 16^{2/3}

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PROJECT Nankai AREA Nankai P.I. Shipley/Stoffa

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>J199</u>	<u>J199</u>	
TIME(Z)	<u>10:19:00</u>	<u>12:43:02</u>	
LATITUDE	<u>32°14'58"</u>	<u>32°26'21"N</u>	
LONGITUDE	<u>134°53'10"</u>	<u>135°04'44"E</u>	
SHOTPOINT			
REC NUM	<u>0001</u>	<u>455</u>	
TAPE NUM	<u>356037</u>	<u>356043</u>	
WATER DEPTH			
DATA LENGTH (SEC) MIN	<u>16</u>	MAX	
		SAMP RATE (MSEC)	<u>2</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>19</u>	(M)	
		FOLD(NOMINAL)	<u>48</u>
SEIS TRACES	<u>96</u>	AUX TRACES	
		PROBLEM TRACES	<u>23,49(32,38)</u>
SINGLE CHANNEL MONITOR TRACE #			
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO	<u>400 in³ water gun</u>		
NAVIGATION SYSTEM INFO	<u>CyleGIS</u>		

COMMENTS:group length 16^{2/3}

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PROJECT Nankai AREA Nankai P.I. Shipley/Stoffa

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>J199</u>	<u>199</u>	
TIME(Z)	<u>21:48</u>	<u>23:48</u>	
LATITUDE	<u>32°07.42'N</u>	<u>32°17.78'N</u>	
LONGITUDE	<u>134°54.12'E</u>	<u>135°04.90'E</u>	
SHOTPOINT	<u>#7</u>	<u>#385</u>	
REC NUM	<u>0007</u>	<u>#0385</u>	
TAPE NUM	<u>356064</u>	<u>356069</u>	
WATER DEPTH			

DATA LENGTH (SEC) MIN 16 MAX _____ SAMP RATE (MSEC) 2msSHOOTING BY TIME ✓ DISTANCE _____REP RATE (SEC) 19 (M) _____ FOLD(NOMINAL) 48SEIS TRACES 96 AUX TRACES _____ PROBLEM TRACES 23, 47, (32, 38)

SINGLE CHANNEL MONITOR TRACE # _____

DISTANCE TO NEAR TRACE (M) _____

DISTANCE TO FAR TRACE (M) _____

SOURCE INFO 400 m³ water gunNAVIGATION SYSTEM INFO SyledisCOMMENTS:

group length 16 2/3

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R. V. FRED H. MOORE

PAGE 8 of 25

ESP LOG

CRUISE FM3506 LINE # ESP-7 COURSE _____
PROJECT NANKAI AREA NANKAI P.I. SHIPLEY / STOFFA

	<u>START</u>	<u>MIDPOINT</u>	<u>END</u>
DATE(JD/DATE)	<u>J.201</u>	<u>J.201</u>	<u>J.201</u>
TIME(Z)	<u>05:03:00Z</u>	<u>05:38:09</u>	<u>06:41:48</u>
LATITUDE	<u>31° 41' 38"N</u>	<u>31° 39' 48"N</u>	<u>31° 36' 13"N</u>
LONGITUDE	<u>134° 02' 06"E</u>	<u>133° 59' 20"E</u>	<u>133° 54' 04"E</u>
SHOTPOINT	_____	_____	_____
REC NUM	<u>0001</u>	<u>0112</u>	<u>0309</u>
TAPE NUM	<u>356070</u>	<u>356071</u>	<u>356074</u>
WATER DEPTH	_____	_____	_____
DATA LENGTH (SEC) MIN	<u>16</u>	MAX _____	SAMP RATE (MSEC) <u>2ms</u>
NO. CHANS.	<u>96</u>	GROUP LENGTH <u>16²/3</u>	
FILTERS: HI	_____	LOW _____	
SOURCE INFO	<u>400 c.c. water gun</u>		
REP RATE(SEC)	<u>19</u>	(M) _____	
NAVIGATION SYSTEM INFO	<u>SyLEDIS</u>		

COMMENTS:

reel 356073 - record # 210 changed Deep H₂O delay to 4.0s (at 10km min range) - Took the 4.0s back out and put at 0.0s again (~rec # 214)

THE UNIVERSITY OF TEXAS AT AUSTIN
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R. V. FRED H. MOORE

LINE INFORMATION

CRUISE FM3506 LINE # ESP-7 COURSE _____
PROJECT Nankai AREA Nankai P.I. SHIPLEY / STOFFA

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>J201</u>	<u>J201</u>	
TIME(Z)	<u>05:03:00</u>	<u>06:41:48</u>	
LATITUDE	<u>31° 41' 38" N</u>	<u>31° 36' 13" N</u>	
LONGITUDE	<u>134° 02' 06" E</u>	<u>133° 54' 04" E</u>	
SHOTPOINT			
REC NUM	<u>0001</u>	<u>0309</u>	
TAPE NUM	<u>356070</u>	<u>356074</u>	
WATER DEPTH			
DATA LENGTH (SEC) MIN	<u>16</u>	MAX	SAMP RATE (MSEC) <u>2ms</u>
SHOOTING BY TIME	<input checked="" type="checkbox"/>	DISTANCE	
REP RATE (SEC)	<u>19</u>	(M)	FOLD(NOMINAL) <u>48</u>
SEIS TRACES	<u>96</u>	AUX TRACES	PROBLEM TRACES <u>23, 47, (32, 38)</u>
SINGLE CHANNEL MONITOR TRACE #			
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO	<u>400 ci. water gun</u>		
NAVIGATION SYSTEM INFO	<u>Syledis</u>		

COMMENTS:

mini range low @ 125 record # 112, reel # 356071, lat 31° 39.46N, 133° 59.20E, 05:38:09Z
reel 356070, 356071 - chain 96 has been stripped, also 356072, 356073, 356074
reel 356073 - record # 210 changed Deep H₂O delay to 4.0s (at 10km mini
ranger) - took the 4.0s back out & put at 0.0s again. (~rec # 214)

group length 16^{2/3}

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INSTITUTE FOR GEOPHYSICS
R. V. FRED H. MOORE

Page 9 of 25

ESP LOG

CRUISE FM3506 LINE # ESP-9 COURSE _____
PROJECT NANKAI AREA NANKAI P.I. SHIPLEY / STOFFA

	<u>START</u>	<u>MIDPOINT</u>	<u>END</u>
DATE(JD/DATE)	<u>J 201</u>	<u>J 201</u>	<u>J 201</u>
TIME(Z)	<u>10:28:13</u>	<u>10:36:46</u>	<u>11:45:49</u>
LATITUDE	<u>31° 45' 10" N record 5</u>	<u>31° 45' 39" N</u>	<u>31° 49' 15" N</u>
LONGITUDE	<u>133° 53' 38" E record 5</u>	<u>133° 54' 07" E</u>	<u>133° 59' 35" E</u>
SHOTPOINT	_____	_____	_____
REC NUM	<u>0001</u>	<u>0028</u>	<u>0246</u>
TAPE NUM	<u>356075</u>	<u>356075</u>	<u>356078</u>
WATER DEPTH	_____	_____	_____
DATA LENGTH (SEC) MIN	<u>16</u>	MAX _____	SAMP RATE (MSEC) <u>2ms</u>
NO. CHANS.	<u>96</u>	GROUP LENGTH <u>16 2/3</u>	
FILTERS: HI	_____	LOW _____	
SOURCE INFO	<u>400 cc. water gun</u>		
REP RATE(SEC)	<u>19</u>	(M) _____	
NAVIGATION SYSTEM INFO	<u>Syledis</u>		

COMMENTS: The logger had crashed toward the start of the line, and then the gun was reset and restarted at record #9.
(appear to have lost rec #7)

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R. V. FRED H. MOORE

LINE INFORMATION

CRUISE FM3506 LINE # ESP-9 COURSE _____
PROJECT NANKAI AREA NANKAI P.I. SHIPLEY / STOFFA

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>J201</u>	<u>J.201</u>	
TIME(Z)	<u>10:28:13 (record 5)</u>	<u>11:45:49</u>	
LATITUDE	<u>31° 45.10N (")</u>	<u>31° 49.15N</u>	
LONGITUDE	<u>133° 53.38E (")</u>	<u>133° 59.35E</u>	
SHOTPOINT	_____	_____	_____
REC NUM	<u>0001</u>	<u>0246</u>	_____
TAPE NUM	<u>356075</u>	<u>356078</u>	_____
WATER DEPTH	_____	_____	_____
DATA LENGTH (SEC) MIN	<u>16</u>	MAX _____	SAMP RATE (MSEC) <u>2ms</u>
SHOOTING BY TIME	<input checked="" type="checkbox"/>	DISTANCE _____	
REP RATE (SEC)	<u>19</u>	(M) _____	FOLD(NOMINAL) <u>48</u>
SEIS TRACES	<u>96</u>	AUX TRACES _____	PROBLEM TRACES <u>23, 47, (32, 38)</u>
SINGLE CHANNEL MONITOR TRACE #	_____		
DISTANCE TO NEAR TRACE (M)	_____		
DISTANCE TO FAR TRACE (M)	_____		
SOURCE INFO	<u>400 ci water gun</u>		
NAVIGATION SYSTEM INFO	<u>Syledis</u>		

COMMENTS: group length 16 2/3

record #28, mini range low of 38, reel 356075, lat 31° 45.39N, lon 133° 54.07E, 10:36:46Z
time 10:28:00 is for record 4 because the logger had crashed earlier & then
gus was reset & restarted at record #9.
appear to have lost rec #7

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INSTITUTE FOR GEOPHYSICS
R. V. FRED H. MOORE

Page 10 of 25

ESP LOG

CRUISE FM3506 LINE # ESP-13 COURSE _____
PROJECT NANKAI AREA NANKAI P.I. SHIPLEY / STOFFA

	<u>START</u>	<u>MIDPOINT</u>	<u>END</u>
DATE(JD/DATE)	<u>J201</u>	<u>J201</u>	<u>J201</u>
TIME(Z)	<u>12:48:45 (^{at}#2^{rec})</u>	<u>13:33:24</u>	<u>14:43:04</u>
LATITUDE	<u>31° 50' 21" N</u>	<u>31° 48' 16" N</u>	<u>31° 44' 56" N</u>
LONGITUDE	<u>133° 55' 38" E</u>	<u>133° 51' 57" E</u>	<u>133° 46' 07" E</u>
SHOTPOINT	_____	_____	_____
REC NUM	<u>0001</u>	<u>0143</u>	<u>0363</u>
TAPE NUM	<u>356079</u>	<u>356081</u>	<u>356084</u>
WATER DEPTH	_____	_____	_____
DATA LENGTH (SEC) MIN	<u>16</u>	MAX _____	SAMP RATE (MSEC) <u>2ms</u>
NO. CHANS.	<u>96</u>	GROUP LENGTH <u>16 ²/₃</u>	
FILTERS: HI	_____	LOW _____	
SOURCE INFO	<u>400 cc watergun</u>		
REP RATE(SEC)	<u>19</u>	(M) _____	
NAVIGATION SYSTEM INFO	<u>Syledis</u>		

COMMENTS:

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R. V. FRED H. MOORELINE INFORMATIONCRUISE FM3506 LINE # ESP-13 COURSE _____
PROJECT NANKAI AREA NANKAI P.I. SHIPLEY / STOFFA

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>J201</u>	<u>J201</u>	
TIME(Z)	<u>12:48:45 @ rec #2</u>	<u>14:43:04</u>	
LATITUDE	<u>31° 50.21N @ rec #2</u>	<u>31° 44.56N</u>	
LONGITUDE	<u>133° 55.28E @ rec #2</u>	<u>133° 46.07E</u>	
SHOTPOINT			
REC NUM	<u>0001</u>	<u>0363</u>	
TAPE NUM	<u>356079</u>	<u>356084</u>	
WATER DEPTH			
DATA LENGTH (SEC) MIN	<u>16</u>	MAX	SAMP RATE (MSEC) <u>2ms</u>
SHOOTING BY TIME	<input checked="" type="checkbox"/>	DISTANCE	
REP RATE (SEC)	<u>19</u>	(M)	FOLD(NOMINAL) <u>48</u>
SEIS TRACES	<u>96</u>	AUX TRACES	PROBLEM TRACES <u>23, 47, (32, 38)</u>
SINGLE CHANNEL MONITOR TRACE #			
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO	<u>400 c.c. water gun</u>		
NAVIGATION SYSTEM INFO	<u>Syledis</u>		
<u>COMMENTS:</u>			

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R. V. FRED H. MOORE

Page 11 of 25

ESP LOG

CRUISE FM3506 LINE # ESP-17 COURSE

PROJECT NANKAI AREA NANKAI P.I. SHIPLEY / STOFFA

	<u>START</u>	<u>MIDPOINT</u>	<u>END</u>
DATE(JD/DATE)	<u>J201</u>	<u>J201</u>	<u>J201</u>
TIME(Z)	<u>15:51:09</u>	<u>16:29:47</u>	<u>17:44:31</u>
LATITUDE	<u>31°48.43 N</u>	<u>31°50.18 N</u>	<u>31°53.55 N</u>
LONGITUDE	<u>133°47.35 E</u>	<u>133°50.35 E</u>	<u>133°56.21 E</u>
SHOTPOINT	<u> </u>	<u> </u>	<u> </u>
REC NUM	<u>1</u>	<u>123</u>	<u>359</u>
TAPE NUM	<u>356085</u>	<u>356086</u>	<u>356090</u>
WATER DEPTH	<u> </u>	<u> </u>	<u> </u>

DATA LENGTH (SEC) MIN 16 MAX SAMP RATE (MSEC) 2ms

NO. CHANS. 96 GROUP LENGTH 16²/3

FILTERS: HI LOW

SOURCE INFO 400ci. water gun

REP RATE(SEC) .19 (M)

NAVIGATION SYSTEM INFO Syledis

COMMENTS:

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ESP LOG

CRUISE FM3506 LINE # ESP-14 COURSE _____
PROJECT NANKAI AREA NANKAI P.I. Shipley / Stoffa

	<u>START</u>	<u>MIDPOINT</u>	<u>END</u>
DATE(JD/DATE)	<u>5202</u>	<u>5202</u>	<u>5202</u>
TIME(Z)	<u>00:33:25</u>	<u>01:06:21</u>	<u>02:27:25</u>
LATITUDE	<u>31°50.50N</u>	<u>31°49.02N</u>	<u>31°45.23N</u>
LONGITUDE	<u>133°53.62E</u>	<u>133°51.36E</u>	<u>133°45.62E</u>
SHOTPOINT	_____	_____	_____
REC NUM	<u>4</u>	<u>108</u>	<u>362</u>
TAPE NUM	<u>356091</u>	<u>356092</u>	<u>356097</u>
WATER DEPTH	_____	_____	_____
DATA LENGTH (SEC) MIN	<u>16</u>	MAX _____	SAMP RATE (MSEC) <u>2ms</u>
NO. CHANS.	<u>96</u>	GROUP LENGTH <u>16²/3</u>	
FILTERS: HI	<u>110</u>	LOW <u>5</u>	
SOURCE INFO	<u>400 ci water gun</u>		
REP RATE(SEC)	<u>19</u>	(M) _____	
NAVIGATION SYSTEM INFO	<u>Syledis</u>		

COMMENTS:

~ REC 25 water guns down, generator ran out of gas
~ REC 60 water guns up and shooting

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ESP LOG

CRUISE FM3506 LINE # ESP-15 COURSE _____
PROJECT NANIKAI AREA NANKAI P.I. SHIPLEY / STOFFA

	<u>START</u>	<u>MIDPOINT</u>	<u>END</u>
DATE(JD/DATE)	<u>J. 202</u>	<u>J. 202</u>	<u>J 202</u>
TIME(Z)	<u>03:24:06</u>	<u>04:07:29</u>	<u>04:17:56</u>
LATITUDE	<u>31° 47'00"N</u>	<u>31° 49'19"N</u>	<u>31° 49'54"N</u>
LONGITUDE	<u>133° 47'29"E</u>	<u>133° 51'10"E</u>	<u>133° 52'03"E</u>
SHOTPOINT	_____	_____	_____
REC NUM	<u>0001</u>	<u>0137</u>	<u>~ 0170</u>
TAPE NUM	<u>356098</u>	<u>356100</u>	<u>356100</u>
WATER DEPTH	_____	_____	_____
DATA LENGTH (SEC) MIN	<u>16</u>	MAX _____	SAMP RATE (MSEC) <u>2ms</u>
NO. CHANS.	<u>96</u>	GROUP LENGTH <u>16 2/3</u>	
FILTERS: HI	_____	LOW _____	
SOURCE INFO	<u>400 ci. water gun</u>		
REP RATE(SEC)	<u>19</u>	(M) _____	
NAVIGATION SYSTEM INFO	<u>Syledis</u>		

COMMENTS:

tape went to record # 195, but shooting actually stopped at record # 169 or 170

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Page 14 of 25

ESP LOG

CRUISE FM3506 LINE # ESP-23 COURSE 131°
PROJECT NANKAI AREA NANKAI P.I. Shipley/Stoffa

	START	MIDPOINT	END
DATE(JD/DATE)	<u>J.202</u>	<u>J 202</u>	<u>J202</u>
TIME(Z)	<u>08:00:33</u> ^{@rec. 2}	<u>09:11:49</u>	<u>10:15:09</u>
LATITUDE	<u>31° 52' 51" N</u> ^{@rec 2}	<u>31° 55' 07" N</u>	<u>31° 52' 01" N</u> ?
LONGITUDE	<u>133° 51' 58" E</u> ^{@rec 2}	<u>133° 46' 29" E</u>	<u>133° 41' 54" E</u>
SHOTPOINT			
REC NUM	<u>0001</u>	<u>0227</u>	<u>? 0065</u>
TAPE NUM	<u>356101</u>	<u>356104</u>	<u>356105</u>
WATER DEPTH			
DATA LENGTH (SEC) MIN	<u>16</u>	MAX	
SAMP RATE (MSEC)	<u>2ms</u>		
NO. CHANS.	<u>96</u>	GROUP LENGTH	<u>16²/3</u>
FILTERS: HI		LOW	
SOURCE INFO	<u>400 c.i. watergun</u>		
REP RATE(SEC)	<u>19</u>	(M)	
NAVIGATION SYSTEM INFO	<u>Sylcdis</u>		

COMMENTS: data actually starts on record # 4 (file does start on rec # 1)
ITB on rec # 12, 14, 22, 26, 28, 29, 33, 34, 44, 45, 50 on reel 356101
TM not returning our shot signal - but they claim they are!
356102 file 101 ITB

TM ceased shooting 2km before midpt.
quit recording w/ reel 356104 rec # 0260 @ 09:22:16 Z
resumed recording w/ reel 356105 rec # reset ::
picked up @ rec # 0001 09:55:12 Z
TM ceased shooting again: ~ 10:13
quit recording w/ reel 356105 rec # 65 @ 10:15:09

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Page 15 of 25

ESP LOG

CRUISE FM3506 LINE # ESP-25 COURSE 50°
PROJECT Nankai AREA Nankai P.I. Shipley/Stoffa

	<u>START</u>	<u>MIDPOINT</u>	<u>END</u>
DATE(JD/DATE)	<u>J202</u>	<u>J202</u>	<u>J202</u>
TIME(Z)	<u>13:20:46</u>	<u>13:37:52</u>	<u>14:42:28</u>
LATITUDE	<u>31°57'35"N</u>	<u>31°58'28"N</u>	<u>32°01'59"N</u>
LONGITUDE	<u>133°43'19"E</u>	<u>133°44'32"E</u>	<u>133°49'27"E</u>
SHOTPOINT	<u></u>	<u></u>	<u></u>
REC NUM	<u>0001</u>	<u>0056</u>	<u>0260</u>
TAPE NUM	<u>356106</u>	<u>356106</u>	<u>356109</u>
WATER DEPTH	<u></u>	<u></u>	<u></u>
DATA LENGTH (SEC) MIN	<u>16</u>	MAX <u></u>	SAMP RATE (MSEC) <u>2ms</u>
NO. CHANS.	<u>96</u>	GROUP LENGTH <u>16^{2/3}</u>	
FILTERS: HI	<u></u>	LOW <u></u>	
SOURCE INFO	<u>400 c.c. water gun</u>		
REP RATE(SEC)	<u>19</u>	(M) <u></u>	
NAVIGATION SYSTEM INFO	<u>Syledis</u>		

COMMENTS:

1TB rec # 58, 60

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PROJECT Nankai AREA Nankai P.I. _____

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>202/</u>	<u>203</u>	
TIME(Z)	<u>20:38:27</u>	<u>00:33:39</u>	
LATITUDE	<u>31°58'15"</u>	<u>31°38'29"</u>	
LONGITUDE	<u>133°43'51"</u>	<u>133°59'40"</u>	
SHOTPOINT	<u>-</u>	<u>118</u>	
REC NUM	<u>4</u>	<u>840</u>	
TAPE NUM	<u>356110</u>	<u>356119</u>	<u>10</u>
WATER DEPTH			
DATA LENGTH (SEC) MIN	<u>11</u>	MAX	SAMP RATE (MSEC) <u>2:</u>
SHOOTING BY TIME	<input checked="" type="checkbox"/>	DISTANCE	
REP RATE (SEC)	<u>14</u>	(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	<u>1065 cu in, 6 GUN ARRAY</u>		
NAVIGATION SYSTEM INFO	<u>SYLEDIS</u>		

COMMENTS:

supposed to cross at midpoint in line 2,
using FM guns.
first good shot is N20, gas down until 19020

196
24
68

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LINE INFORMATION

CRUISE FM35-06 LINE # NT62-2 COURSE _____
PROJECT Nankai AREA Nankai P.I. SHIPLEY / SPFFA

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>J203</u>	<u>J203</u>	
TIME(Z)	<u>02:22:50</u>	<u>06:52:30</u>	
LATITUDE	<u>31°38.278'N</u>	<u>31°59.29' N</u>	
LONGITUDE	<u>134°01.210'E</u>	<u>133°43.43'E</u>	
SHOTPOINT	<u>0</u>	<u>1144</u>	
REC NUM	<u>1</u>	<u>1144</u>	
TAPE NUM	<u>356120</u>	<u>356132</u>	
WATER DEPTH			
DATA LENGTH (SEC) MIN	<u>11</u>	MAX	SAMP RATE (MSEC) <u>2</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>14</u>	(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	<u>1065 c.i. , 6 gun array</u>		
NAVIGATION SYSTEM INFO	<u>Syledis</u>		

COMMENTS:

NREC #750, 752 108 in³ stbd gun misfires twice as pressure drops

NREC #946-951 108 in³ stbd gun misfires as pressure drops

NREC #1129-1132 "

NREC #579 disparity between shot # & rec # corrected

syledis
not
up
paper
log
no
lat, lon

syledis

rec # 384 syledis up

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LINE INFORMATION

CRUISE FM3506 LINE # NT62-3 COURSE _____
PROJECT Nankai AREA Nankai P.I. Shipley/Staffa

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>5203</u>	<u>5203</u>	
TIME(Z)	<u>08:06:00</u>	<u>09:51:14</u>	
LATITUDE	<u>31° 57.36' N</u>	<u>31° 49.09 N</u>	
LONGITUDE	<u>133° 43.40' E</u>	<u>133° 49.42 E</u>	
SHOTPOINT	<u>0001</u>	<u>0452</u>	
REC NUM	<u>0001</u>	<u>0452</u>	
TAPE NUM	<u>356133</u>	<u>356137</u>	
WATER DEPTH			
DATA LENGTH (SEC) MIN	<u>11</u>	MAX	SAMP RATE (MSEC) <u>2</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>14</u>	(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	<u>1065 cm in 6 gun array</u>		
NAVIGATION SYSTEM INFO	<u>Syledis</u>		
COMMENTS:	<u>rec #175 misfire on 108 cm in stbd</u>		

are
these
valid?
logger
crash

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LINE INFORMATION

CRUISE FM3506 LINE # NT62-4 COURSE 40°
PROJECT Nankai AREA _____ P.I. SHIPLEY/STOFFA
MCS reshoot of SSP-3

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>JD 205</u>	<u>205</u>	
TIME(Z)	<u>19:17:27</u>	<u>22:23:53</u>	
LATITUDE			
LONGITUDE			
SHOTPOINT	<u>1</u>	<u>800</u>	<u>800</u>
REC NUM	<u>#1</u>	<u>800</u>	<u>800</u>
TAPE NUM	<u>356138</u>	<u>356146</u>	<u>9</u>
WATER DEPTH	<u>~4000m</u>		
DATA LENGTH (SEC) MIN	<u>11</u>	MAX	SAMP RATE (MSEC) <u>2</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>14</u>	(M)	FOLD(NOMINAL)
SEIS TRACES	<u>28-96</u>	AUX TRACES	PROBLEM TRACES
SINGLE CHANNEL MONITOR TRACE #	<u>69</u>	GROUP LEN	<u>33.3</u>
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO	<u>1065 m³ G-gun array</u>		
NAVIGATION SYSTEM INFO	<u>Loran-C</u>		

COMMENTS:

~shot 420 lost STBD 108, switch to PORT ARRAY
Loran-C signal low

Sections were added to the streamer so for the rest of the lines
there are 69 channels at 33.3 m spacing so the active part
of the streamer is 2.264 km

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LINE INFORMATION

CRUISE FM3506 LINE # NT62-5 COURSE _____
PROJECT NANKAI AREA Nankai P.I. Shipley/Stoffer
MCS Reshoot of SSP4

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>J.206</u>	<u>J.206</u>	
TIME(Z)	<u>00:24:45</u>	<u>05:47:41</u>	<u>5:22:56</u>
LATITUDE	<u>32° 28.57 N</u>	<u>32° 14.67 N</u>	
LONGITUDE	<u>135° 04.59 E</u>	<u>134° 48.68 E</u>	
SHOTPOINT	<u>0001</u>	<u>1384</u>	<u>1384</u>
REC NUM	<u>0001</u>	<u>1384</u>	<u>1384</u>
TAPE NUM	<u>356147</u>	<u>356161</u>	<u>15</u>
WATER DEPTH			
DATA LENGTH (SEC) MIN	<u>11</u>	MAX	SAMP RATE (MSEC) <u>2ms</u>
SHOOTING BY TIME	<input checked="" type="checkbox"/>	DISTANCE	
REP RATE (SEC)	<u>14</u>	(M)	FOLD(NOMINAL)
SEIS TRACES	<u>28-96</u>	AUX TRACES	PROBLEM TRACES
SINGLE CHANNEL MONITOR TRACE #		group length	<u>33.3</u>
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO	<u>1065ci begun array</u>		
NAVIGATION SYSTEM INFO	<u>Loran-C</u>		

COMMENTS: air leak on port 240 cm pressure drops
@ rec 492 as low as 1120

switch to stbd array, 108 cm previous
misfires, begins shooting @ rec # 511
time gap between rec # 656-657, gun stopped & restart
problem beginning on reel 356051
prob. apparently corrected on rec 657

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PROJECT NANKAI AREA Nankai P.I. Shipley / Stoffa

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>J 206</u>	<u>J 206</u>	
TIME(Z)	<u>07:47:51</u>	<u>10:21:09</u>	
LATITUDE	<u>32°22.15 N</u>	<u>32°32.88 N</u>	
LONGITUDE	<u>134°46.07 E</u>	<u>134°57.59 E</u>	
SHOTPOINT	<u>1</u>	<u>0658</u>	
REC NUM	<u>1</u>	<u>0658</u>	
TAPE NUM	<u>356162</u>	<u>356168</u>	
WATER DEPTH			
DATA LENGTH (SEC) MIN	<u>11</u>	MAX	SAMP RATE (MSEC) _____
SHOOTING BY TIME	<u>✓</u>	DISTANCE	_____
REP RATE (SEC)	<u>14</u>	(M)	FOLD(NOMINAL) _____
SEIS TRACES	<u>28-96</u>	AUX TRACES	PROBLEM TRACES _____
SINGLE CHANNEL MONITOR TRACE #		group length	<u>33.3</u>
DISTANCE TO NEAR TRACE (M)			_____
DISTANCE TO FAR TRACE (M)			_____
SOURCE INFO	<u>1065 c.i</u>	<u>6 gun array</u>	
NAVIGATION SYSTEM INFO	<u>Loran-C</u>		

COMMENTS:108 was misfiring on and off throughout the line

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LINE INFORMATION

CRUISE FM3506 LINE # NT62-7 COURSE _____
PROJECT NANKAI AREA NANKAI P.I. SHIPLEY / STOFFA

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>J.206</u>	<u>206</u>	
TIME(Z)	<u>14:30:21</u>	<u>18:53:19</u>	
LATITUDE	<u>32°29.82N</u>	<u>32°13.43N</u>	
LONGITUDE	<u>134°56.34E</u>	<u>135°02.04E</u>	
SHOTPOINT	<u>0001</u>	<u>1128</u>	
REC NUM	<u>0001</u>	<u>1128</u>	
TAPE NUM	<u>356169</u>	<u>356180</u>	
WATER DEPTH			
DATA LENGTH (SEC) MIN	<u>11</u>	MAX	SAMP RATE (MSEC) <u>2ms</u>
SHOOTING BY TIME	<input checked="" type="checkbox"/>	DISTANCE	
REP RATE (SEC)	<u>14</u>	(M)	FOLD(NOMINAL)
SEIS TRACES	<u>28-96</u>	AUX TRACES	PROBLEM TRACES <u>86, 91</u>
SINGLE CHANNEL MONITOR TRACE #		GROUP LENGTH	<u>33.33</u>
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO	<u>1065 ci to gun array - air gun</u>		
NAVIGATION SYSTEM INFO	<u>Loran-C</u>		

COMMENTS:

shot 142, sonobuoy launched, dead after ~4 minutes
rec #1 Lat, Long read 0°N 0°E ???

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LINE INFORMATION

CRUISE FM3506 LINE # NT62-8 COURSE _____
PROJECT Nankai AREA N.W. Pacific P.I. Shipley/Stoffa

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>206</u>	<u>207</u>	
TIME(Z)	<u>18:53:33</u>	<u>03:46:53</u>	
LATITUDE	<u>32°13.43'</u>	<u>32°35.15'N</u>	
LONGITUDE	<u>135°02.03'</u>	<u>134°45.59'E</u>	
SHOTPOINT	<u>1129</u>	<u>3373</u>	
REC NUM	<u>1129</u>	<u>3387</u>	
TAPE NUM	<u>356181</u>	<u>356207</u>	
WATER DEPTH			
DATA LENGTH (SEC) MIN	<u>11</u>	MAX	SAMP RATE (MSEC) <u>2</u>
SHOOTING BY TIME	<u>✓</u>	DISTANCE	
REP RATE (SEC)	<u>14</u>	(M)	FOLD(NOMINAL)
SEIS TRACES	<u>28-96</u>	AUX TRACES	PROBLEM TRACES <u>86, 91</u>
SINGLE CHANNEL MONITOR TRACE #		GROUP LENGTH	<u>33.3M</u>
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO	<u>1065 in³ 6 GUN ARRAY</u>		
NAVIGATION SYSTEM INFO	<u>LORANC (TRANSIT, GPS (sometimes))</u>		

COMMENTS:

Reel 356187 rejected on MT3, reel 356188 rejected on MT2
MT2 not ready so 356189 skipped.

missed 3 shots

between rec # 2028 & 2052 lost pressure due to 108 port gun
leak, switched to starboard, pressure continued to drop, turned 108
off & went back to port. lost ~14 shots

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PROJECT Nankai AREA N.W. Pacific P.I. Shipley / Stoffa

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>5207</u>	<u>5207</u>	
TIME(Z)	<u>05:24:15</u>	<u>07:13:41</u>	
LATITUDE	<u>32°34.42'N</u>	<u>32°42.12'N</u>	
LONGITUDE	<u>134°46.75'E</u>	<u>134°49.74'E</u>	
SHOTPOINT	<u>1</u>	<u>469</u>	
REC NUM	<u>1</u>	<u>470</u>	
TAPE NUM	<u>356208</u>	<u>356212</u>	
WATER DEPTH			
DATA LENGTH (SEC) MIN	<u>11</u>	MAX	SAMP RATE (MSEC) <u>2</u>
SHOOTING BY TIME	<input checked="" type="checkbox"/>	DISTANCE	
REP RATE (SEC)	<u>14</u>	(M)	FOLD(NOMINAL)
SEIS TRACES		AUX TRACES	PROBLEM TRACES <u>86, 91</u>
SINGLE CHANNEL MONITOR TRACE #			
DISTANCE TO NEAR TRACE (M)			
DISTANCE TO FAR TRACE (M)			
SOURCE INFO	<u>1065¹⁴ 6 gun tuned array</u>		
NAVIGATION SYSTEM INFO	<u>Loran C</u>		

COMMENTS:Loran C signal low at start of line
rect 428 skipped (not recorded)

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PROJECT Nankai AREA N.W. Pacific P.I. Shipley/Stoffa

	<u>START</u>	<u>END</u>	<u>TOTAL</u>
DATE(JD/DATE)	<u>J207</u>	<u>J207</u>	
TIME(Z)	<u>07:16:31</u>	<u>07:49:09</u>	
LATITUDE	<u>32°42.25'N</u>	<u>32°43.37'N</u>	
LONGITUDE	<u>134°49.77'E</u>	<u>134°49.52'E</u>	
SHOTPOINT	<u>470, 12*</u>	<u>75</u>	
REC NUM	<u>1, 12*</u>	<u>75</u>	
TAPE NUM	<u>356213</u>	<u>356213</u>	
WATER DEPTH			
DATA LENGTH (SEC) MIN		MAX	SAMP RATE (MSEC)
SHOOTING BY TIME		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			

COMMENTS:

* Shot number start to coincide with rec # at 12