

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

SONOBUOY LOG # 1

CRUISE RNDB11WT LINE # TAPE 4 COURSE ~220°

PROJECT _____ AREA _____ P.I. _____

	START	END	TOTAL
DATE(JD/DATE)	<u>354/19 DEC 88</u>	<u>354/19 DEC 88</u>	
TIME(Z)	<u>1033Z</u>	<u>1637Z</u>	
LATITUDE			
LONGITUDE			
SHOTPOINT	<u>1</u>	<u>869</u>	
REC NUM	<u>1</u>	<u>869</u>	
TAPE NUM	<u>4</u>	<u>4</u>	
WATER DEPTH			
SEDIMENT THICKNESS (M)			
DATA LENGTH (SEC) MIN		MAX <u>14</u>	SAMP RATE (MSEC) <u>4</u>
REP RATE(SEC)	<u>25</u> (M)	FOLD(NOMINAL)	
FILTERS: HI	<u>85.6</u>	LOW <u>5</u>	INT. _____
SOURCE INFO	<u>2000 cu in airgun</u>		
NAVIGATION SYSTEM INFO	_____		

COMMENTS:

1 sec delay shot 1-577
2 sec delay shot 578-869

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SONOBUOY LOG # 2

CRUISE RNDB12WT LINE # 1 COURSE 240

PROJECT _____ AREA NAURU BASIN P.I. _____

	START	END	TOTAL
DATE(JD/DATE)	<u>J01/01JAN89</u>	<u>001/01JAN89</u>	
TIME(Z)	<u>1824Z</u>	<u>1911Z</u>	
LATITUDE	<u>07 45.61 N</u>		
LONGITUDE	<u>166 14.46 E</u>		
SHOTPOINT	<u>1</u>	<u>?</u>	
REC NUM	<u>1</u>	<u>?</u>	
TAPE NUM			
WATER DEPTH	<u>5130 M</u>		
SEDIMENT THICKNESS (M)			
DATA LENGTH (SEC) MIN	<u>12</u>	MAX <u>12</u>	SAMP RATE (MSEC) <u>4</u>
REP RATE(SEC)	<u>22</u> (M)	FOLD(NOMINAL)	
FILTERS: HI	<u>LOW</u>	INT.	
SOURCE INFO	<u>2000 cu in airgun</u>		
NAVIGATION SYSTEM INFO			

COMMENTS:

start 0 delay 12 sec record length attenuator 10dB
1853Z 2 delay 12 sec 20dB attenuation

1911Z sonobuoy dead

no tape

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SONOBUOY LOG # 3

CRUISE RNDB12WT LINE # _____ COURSE 240

PROJECT _____ AREA NAURU BASIN P.I. SHIDLEY

	<u>START</u>	<u>END</u>	<u>TOTAL</u>	
DATE(JD/DATE)	<u>001/01JAN89</u>	<u>002/02JAN89</u>		
TIME(Z)	<u>1919Z</u>	<u>0008Z</u>	<u>52</u>	<u>Time</u>
LATITUDE	<u>07 43.6 N</u>	<u>07 32.4 N</u>	<u>3253</u>	<u>19:19:16</u>
			<u>3669</u>	<u>21:51:47</u>
LONGITUDE	<u>166 09.8 E</u>	<u>165 43.3 E</u>	<u>1</u>	<u>21:52:31</u>
			<u>372</u>	<u>00:08:33</u>
SHOTPOINT	<u>3253-3669</u>	<u>1-0372</u>		
REC NUM	_____	_____	_____	
TAPE NUM	_____	_____	_____	
WATER DEPTH	<u>5128 M</u>	<u>5159 M</u>		
SEDIMENT THICKNESS (M)	_____	_____	_____	
DATA LENGTH (SEC) MIN	<u>12</u>	MAX <u>12</u>	SAMP RATE (MSEC) _____	
REP RATE (SEC)	<u>22</u> (M)	FOLD (NOMINAL) _____		
FILTERS: HI	_____	LOW _____	INT. _____	
SOURCE INFO	<u>2000 cu in alrgun</u>			
NAVIGATION SYSTEM INFO	_____			

COMMENTS:

Start 0 delay 12 sec rec 10 dB atten
 1921Z " " 18 dB atten
 1935Z " " 28 dB
 1942Z 2 delay 12 sec " "
 2115Z 6 delay 12 sec rec " "
 2145Z 8 delay 12 sec " "
 2155Z 7 delay 12 sec rec " "
 2230Z " " 18 dB
 end

between 2145 & 2155
delay testing

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SONOBUOY LOG # 4

CRUISE RN0812WT LINE # _____ COURSE 338

PROJECT _____ AREA NABU BASIN P.I. Shipley
JUST NORTH OF 462

	START	END	TOTAL
DATE(JD/DATE)	<u>02/JAN/89</u>	<u>002/02 JAN 89</u>	
TIME(Z)	<u>12:56 Z</u>	<u>1900Z</u>	
LATITUDE	<u>~7° 15.2'N</u>	<u>07 49.5'N</u>	
LONGITUDE	<u>165 02.7'E</u>	<u>164 48.2'E</u>	
SHOTPOINT	<u>119</u>	<u>1103</u>	
REC NUM			
TAPE NUM			
WATER DEPTH	<u>5180 m</u>	<u>5184 m</u>	
SEDIMENT THICKNESS (M)			
DATA LENGTH (SEC) MIN	<u>12</u>	MAX <u>12</u>	SAMP RATE (MSEC) _____
REP RATE(SEC)	<u>22</u> (M)	FOLD(NOMINAL) _____	
FILTERS: HI	LOW	INT.	
SOURCE INFO	<u>2000 in³</u>		
NAVIGATION SYSTEM INFO	_____		

COMMENTS:

START 0 delay 12 sec rec
13:06 Z Air pres drop below 1500 main compressor
Throttle off
13:07 Z Rep rate to 44 sec one compressor
13:13 Z Rep rate to 22 sec both comp. up
14:00 Z 6 sec delay 12 sec record

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SONOBUOY LOG # 5

CRUISE RNDB 12WT LINE # 2 COURSE 337

PROJECT _____ AREA NAURU BASIN P.I. _____
NORTH OF 462

	START	END	TOTAL
DATE(JD/DATE)	<u>03/JAN/89</u>	<u>03/JAN/89</u>	
		<u>(0819Z)</u>	
TIME(Z)	<u>0415Z</u>	<u>10:04Z</u>	
LATITUDE	<u>8°37'4 N</u>	<u>09° 7.91' N</u>	<u>→ LAT + LONG AT 10:00Z</u>
LONGITUDE	<u>164° 26' 7 E</u>	<u>164 10.69 E</u>	
SHOTPOINT	<u>1104</u>	<u>1772</u>	
REC NUM			
TAPE NUM			
WATER DEPTH	<u>5205 m</u>	<u>5189 m</u>	
SEDIMENT THICKNESS (M)	<u>~1200</u>		
DATA LENGTH (SEC) MIN	<u>12</u>	MAX <u>12</u>	SAMP RATE (MSEC) _____
REP RATE(SEC)	<u>22 (M)</u>	FOLD(NOMINAL) _____	
FILTERS: HI	_____	LOW _____	INT. _____
SOURCE INFO	<u>2000 RD AIR</u>		
NAVIGATION SYSTEM INFO	_____		

COMMENTS:

- BEGINNING: DELAY = \emptyset SEC Round = 12 sec 28 dB

0442Z: Delay 2 sec

0501Z delay 4 sec

0530Z delay 6 sec

0720Z

▷ 18 dB

0819Z shot 1772 last shot

← DATA GAP →

0937Z shot 1985

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SONOBUOY LOG # 6
WIEDERSPAHN SPECIAL

CRUISE RNDBIZWT LINE # _____ COURSE 085
PROJECT _____ AREA NAURV BASIN P.I. SHIPLEY

	START	END	TOTAL
DATE(JD/DATE)	<u>007/07JAN89</u>	<u>007/07JAN89</u>	
TIME(Z)	<u>0455 Z</u>	<u>0801 Z</u>	
LATITUDE	<u>6° 41' 0N</u>	<u>06 05.4N</u>	
LONGITUDE	<u>164° 44' 6 E</u>	<u>165 00.7 E</u>	
SHOTPOINT	<u>216</u>	<u>722</u>	
REC NUM			
TAPE NUM			
WATER DEPTH	<u>4990</u>	<u>5012</u>	
SEDIMENT THICKNESS (M)			
DATA LENGTH (SEC) MIN	<u>12</u>	MAX <u>12</u>	SAMP RATE (MSEC) <u>4</u>
REP RATE(SEC)	<u>22</u> (M)	FOLD(NOMINAL)	
FILTERS: HI	LOW	INT.	
SOURCE INFO	<u>2000 cu in air gun ~1700 PSI</u>		
NAVIGATION SYSTEM INFO			

COMMENTS:

- Beginning with 0 sec delay
- 0500 change from atten of 28 dB to 18 dB
- 0548 Z delay 3 sec.
- 0636 Z delay 6 sec
- 0801 Z end