

Geometry

Scripps Institution of Oceanography Seismic System Geometry

Ship: R/V Roger Revelle

Cruise: KNOX02RR

Chief Scientist: D'HONDT

	Meters	Feet
Length of tow leader	65	213.25
Length of tow stretch	25	82.02
Antenna to stern	40	131.23
Antenna Height	25	82.02
Center of near trace	136.25	447.01
Center of far trace	723.75	2374.48
Gun Setback from Antenna	64	209.97
Near inline offset	72.25	237.04
Active cable	600	1968.48
Far inline offset	659.75	2164.51

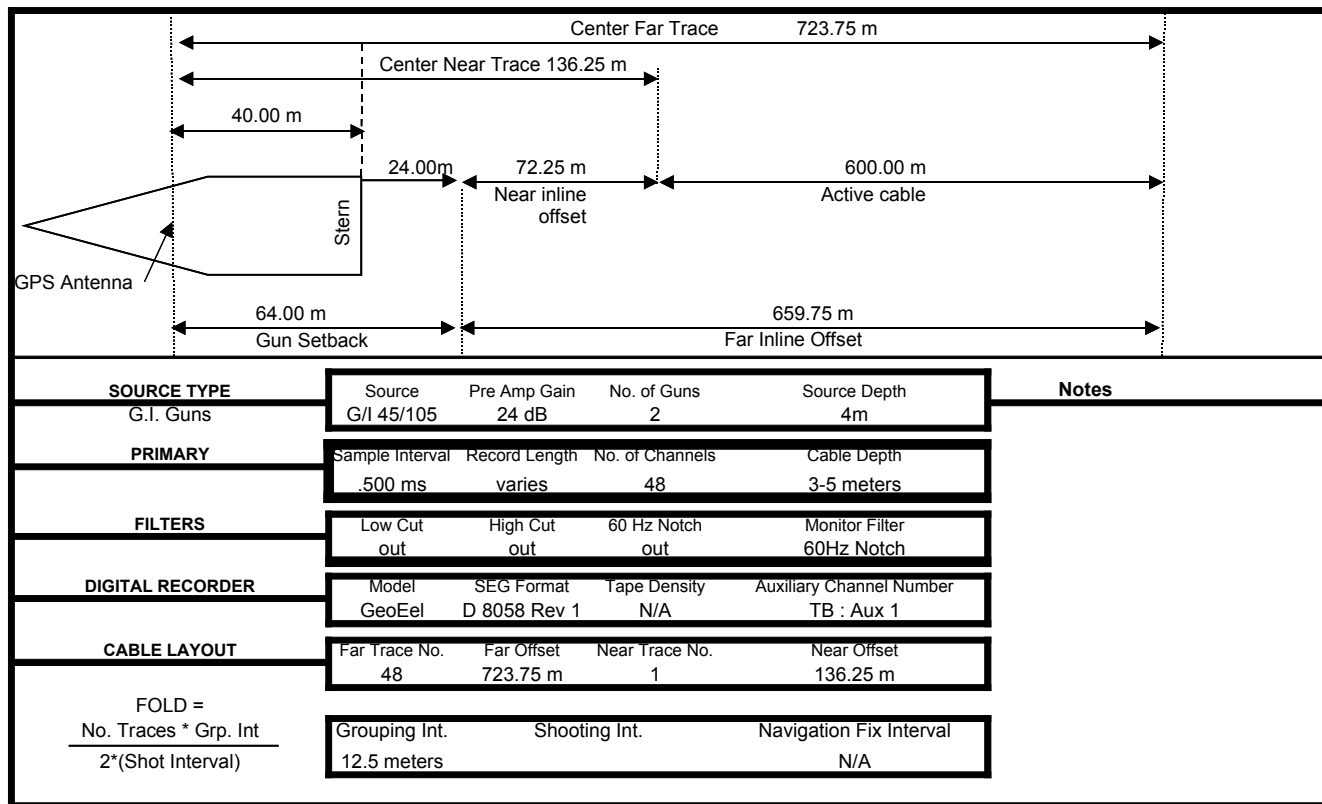
Number of traces 48

Setback of Single Trace 1

136.25 meters

447.01 feet

Bird Locations	
Bird 1	Start of Head Stretch
Bird 2	Start of Ch 17 (Active 3)
Bird 3	Start of Ch 33 (Active 5)
Bird 4	Start of Tail Stretch



Observer Event Log

Survey #1-6

Cruise	Start Date	Area	Operator(s) / Observer(s)
KNOX02rr	20-Dec-06	S. Pac. Gyre	
Tape #	File Number	Date/ Time GMT	Remarks
1	1001	20.Dec.06 19:18	Start of Survey 1; Start of Line 1; Site 1
1	1679	20.Dec.06 21:34	End of Line 1
1	1683	20.Dec.06 21:54	Start of Line 2
1	1977	20.Dec.06 22:53	End of Line 2
1	1978		Start of Line 3 (not noted on log but presumed)
1	2270	21.Dec.06 00:08	Cross Coring site
1	2343	21.Dec.06 00:23	Error saving to file: from this shot to end errors continued and *only partial files recorded
1	2372	21.Dec.06 00:30	End of Line3; End of Survey
2	2373	24.Dec.06 00:34	Start of Survey 2; Start of Line 1; Site 2
2	3165	24.Dec.06 03:13	End of Line1
2	3166	24.Dec.06 03:21	Start of Line 2
2	3334	24.Dec.06 03:54	End of Line 2
2	3335	24.Dec.06 04:07	Start of Line 3
2	3571	24.Dec.06 04:54	Cross Line 1 at 2901
2	3823	24.Dec.06 05:45	End of Line3; End of Survey
3	3824	26.Dec.06 17:34	Start of Survey 3; Start of Line1; Site 3
3	4483	26.Dec.06 19:45	End of Line1
3	4484	26.Dec.06 19:55	Start of Line 2
3	4916	26.Dec.06 21:21	End of Line 2
3	4917	26.Dec.06 21:39	Start of Line 3
3	5681	27.Dec.06 00:11	End of Line3; End of Survey
4	5682	30.Dec.06 00:07	Start of Survey 4; Start of Line1; Site 4
4	6419	30.Dec.06 02:35	End of Line1
4	6420	30.Dec.06 02:45	Start of Line 2
4	6650	30.Dec.06 03:31	End of Line 2
4	6651	30.Dec.06 03:42	Start of Line 3
4	7137	30.Dec.06 05:19	End of Line3; End of Survey
5	7138	01.Jan.07 08:30	Start of Survey 5; Start of Line1; Site 5
5	8129	01.Jan.07 11:48	End of Line1
5	8130	01.Jan.07 12:01	Start of Line 2
5	8435	01.Jan.07 13:02	End of Line 2
5	8436	01.Jan.07 13:20	Start of Line 3
5	8903	01.Jan.07 14:53	End of Line3; End of Survey
6	8904	04.Jan.07 01:36	Start of Survey 6; Start of Line 1; Site 6
6	9408	04.Jan.07 03:17	End of Line 1
6	9409	04.Jan.07 03:36	Start of Line 2
6	10209	04.Jan.07 06:16	End of Line 2

6	10210	04.Jan.07 06:28	Start of Line 3
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Observer Event Log

Survey # 6-10

Cruise	Start Date	Area	Operator(s) / Observer(s)
KNOX02rr	4-Jan-07	S. Pac. Gyre	
Tape #	File Number	Date/ Time GMT	Remarks
6	10467	04.Jan.07 07:20	End of Line 3
6	10468	04.Jan.07 07:31	Start of Line 4
6	10915	04.Jan.07 09:01	End of Line 4; End of Survey
7	10916	06.Jan.07 08:58	Start of Survey 7; Start of Line; Site 8
7	11463	06.Jan.07 10:47	End of Line1
7	11464	06.Jan.07 10:57	Start of Line 2
7	11612	06.Jan.07 11:26	End of Line 2
7	11613	06.Jan.07 11:40	Start of Line 3
7	12159	06.Jan.07 13:29	End of Line 3; End of survey
8	12160 – 12162	01/10/07	Start of Survey SCS Error message, Stopped and Restarted Site 9
8	12163	10.Jan.07 22:11	Start of Line 1
8	12853	11.Jan.07 00:22	End of Line 1
8	12854	11.Jan.07 00:39	Start of Line 2
8	13057	11.Jan.07 01:20	End of Line 2
8	13058	11.Jan.07 01:27	Start of Line 3
8	13472	11.Jan.07 02:49	End of Line 3
8	13473	11.Jan.07 03:02	Start of Line 4
8	13949	11.Jan.07 04:38	End of Line 4; End of Survey
9	13950	13.Jan.07 09:56	Start of Survey 9; Start of Line1; Site 10
9	14319	13.Jan.07 11:10	c/c to 270 COG
9	14437	13.Jan.07 11:33	End of Line 1
9	14438	13.Jan.07 11:45	Start of Line 2
9	14504	13.Jan.07 11:58	End of Line 2
9	14505	13.Jan.07 12:12	Start of Line 3
9	14683	13.Jan.07 12:47	End of Line 3
9	14684	13.Jan.07 12:59	Start of Line 4
9	14823	13.Jan.07 13:27	c/c to 150 COG
9	14877	13.Jan.07 13:38	c/c to 135 COG
9	15165	13.Jan.07 14:36	End of Line 4
9	15166	13.Jan.07 14:48	Start of Line 5
9	15294	13.Jan.07 15:13	End of Line 5
9	15295	13.Jan.07 15:21	Start of Line 6
9	15592	13.Jan.07 16:20	End of Line 6; End of Survey
10	15593	17.Jan07 02:43	Start of Survey 10; Start of Line 1; Site 11
10	16140	17.Jan07 04:32	End of Line 1
10	16141	17.Jan07 04:44	Start of Line 2
10	16321	17.Jan07 05:20	End of Line 2

10	16322	17.Jan07 05:29	Start of Line 3
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Survey # 10-11

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Seismic Survey Log For TUIM03MV *from observer log

[illegible]

[illegible]

Tape Log

[illegible]

Air Gun Log

[illegible]

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[illegible]

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New Survey

Sample Interval 1.000 msec, Record Len 7.000 Sec, Delay 1.000 Sec,

Filters: FILTER OUT, FILTER OUT

Active Channels 1 - 5

Preamp Gain Style is set to ALL 24 dB

New Noise Params Transconductance 200.000003 Thresholds 9.000000 3.000000

Saving to tape - Next File Number is 1 - SEG-D Rev 1 8058 Format

Cruise : KNOX02

New Item :

Vessel Name : R/V Roger Revelle

Area : South Pacific Gyre

Line Number :

Line Bearing :

Offsets :

Description of Ref. Point (eg echosounder) : P-Code GPS

Ref. Point to Stern (in m.) :

Tow Point to Source (in m.) :

Ref. Point to Channel 1 (in m.) :

Ref. Point to CDP (in m.) :

Source Information :

Source Type : G.I. Gun

Array Volume : 300cuin

Shot Interval :

Tow Depth : 3m

Water Depth :

Speed of Sound in Water :

Tape Density (in bpi) :

Streamer :

Type of Streamer :

Channel Interval : 12.5

Serial No. :

Field Time Break Source :

Field Time Break Static :