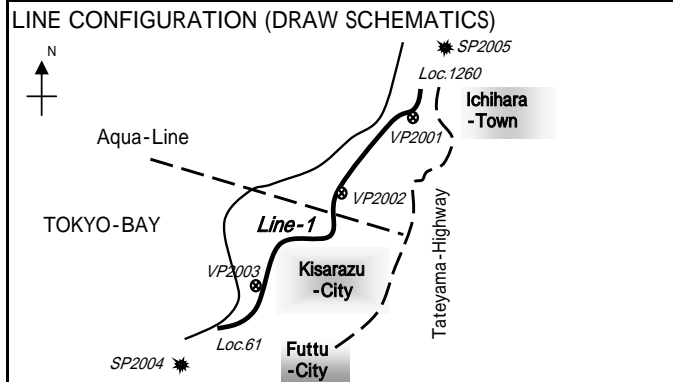


SEISMIC OBSERVER'S REPORT FORM-A

LINE	Line - 1	PROSPECT CHIBA 2001	AREA Ichihara-City ~ Futtu-City	CLIENT CHIBA-PREFECTURE	CREW NO. G	OBSERVER J.G.I	OBSERVER DATE: 2001/11/8 ~ 2001/11/19
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GENERAL



FIRST AND LAST VP NO.	VP.64 ~ 1341, VP.1923 ~ 1991
TOTAL LINE Km. SHOT TO SHOT	39.455 Km
TOTAL LINE Km. RECEIVER TO RECEIVER	31.475+7.980 Km
TOTAL SHOT POINTS	202 POINTS
TOTAL RECEIVER LOCATIONS	1200+48 Chs
AVERAGE SHOT POINT INTERVAL	150 m
RECEIVER INTERVAL	25+700 m
STANDARD CDP FOLD	%
NO. OF CH./EACH LINE/SHOT	240ch/1LINE

SEISMIC RECORDING

INSTRUMENT

- * G·DAPS-4 RECORDING SYSTEM
- * PELTON E.SG, VCE
- * MACHA Controller, Blaster

RECORDING

SAMPLE RATE	4 msec
RECORD LENGTH (Vibro)	8 sec, 16 sec (Refraction)
RECORD LENGTH (Dynamite)	20 sec
LOW CUT FILTER	OUT
HIGH CUT FILTER	OUT
PRE-AMP.GAIN	24 dB
DECIMATION FILTER PHASE (V)	Linear
DECIMATION FILTER PHASE (D)	Minimum

TAPE FORMAT

TYPE 3490E CARTRIDGE TAPE
SEG-Y 37871 BPI

FIELD TAPE REEL NUBER OF THIS LINE
REEL No. 1 ~ 3

AUX.CH.CONTENTS

	VIBROSEIS	DYNAMITE
AUX CH. 1	TB	TB
AUX CH. 2	RADIO VIB	CONF TB
AUX CH. 3	RADIO REF	UP HOLE
AUX CH. 4	REF SWEEP CORR.	
AUX CH. 5	REF SWEEP	

SEISMIC SOURCE

TYPE OF SOURCE VIBRATOR (Y-2400, Mini-Vib)

NO.OF TRACKS or SOURCES/SHOT 1 ~ 3 tracks

AVERAGE FORCE OUT/SHOT 30 ~ 90 %

VIBROSEIS SWEEP

FREQUENCY 8 ~ 40, or 50Hz

LENGTH 16 sec

FREQUENCY 6 ~ 35Hz (Refraction)

LENGTH 20 sec (Refraction)

START TAPER 0.3 sec END TAPER 0.3 sec

SWEEP TYPE LINEAR SWEEP

TYPICAL SOURCE PATTERN (DRAW SCHEMATICS)

TYPE OF SOURCE DYNAMITE

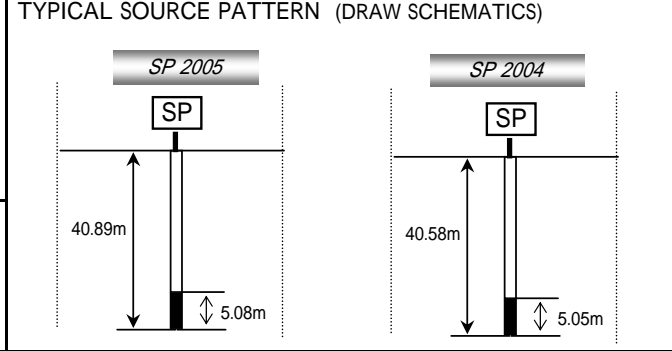
NO.OF HOLES or SOURCES/SHOT 1 Hole

STANDARD CHARGE SIZE/SHOT 50 Kg

OTHER CHARGE SIZE/SHOT Kg

SOURCE DEPTH 40 m

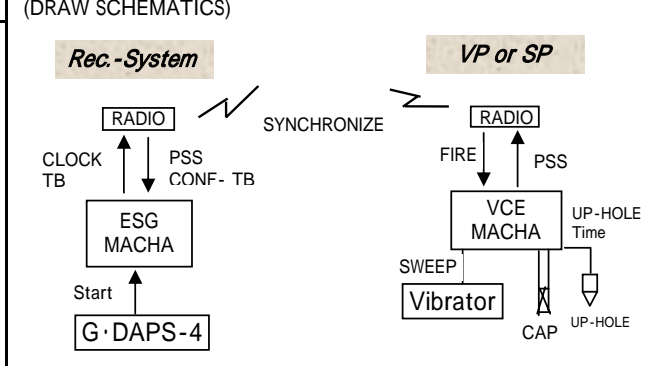
TYPICAL SOURCE PATTERN (DRAW SCHEMATICS)



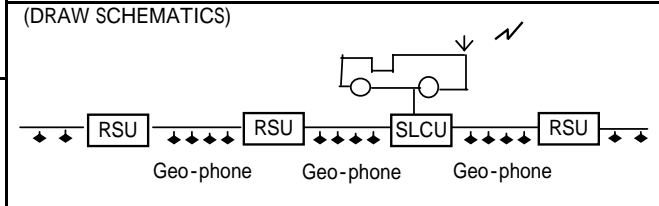
FIELD SUMMATION AND X-CORRELATION

NO.OF SUMMATION	10 ~ 150 sums
N/E WINDOW LENGTH (ms)	6000ms
N/E OVERLAP LENGTH (ms)	3000ms
SUPPRESSION POWER FACTOR	1
MINIMUM PHASE CONVERSION	NO
X-CORR.	After Stack

TIME BREAK AND UP HOLE TIME DETECTION



RECEIVER TO RECORDER CONNECTION



SEISMIC RECEIVER

GEOPHONE

TYPE SM-7

FREQUENCY 10 Hz

NO.OF UNITS/LOCATION 9 UNITS/Loc.

CONNECTION 3 SERIES 3 PARALLEL

PATTERN (DRAW SCHEMATICS)

SEISMIC OBSERVER'S REPORT FORM-B



PROSPECT		LINE		DATE		WEATHER		WIND		TEMP		OBSERVER		PAGE				
CHIBA 2001		Line - 1 (N S)		2001/11/8		FINE		LIGHT				Miyamoto		1				
FIELD TAPE		SOURCE						RECEIVER				RECORD			BAD TRACES	REMARKS		
REEL NO. 1								SPREAD (GEOPHONE LOCATIONS USED)								REEL No.1 B.O.T		
FIELD REC. FILE NO.	SP or VP NO.	Force Out (%)	No. of Vibrators	Array Pattern	Vibrator Array (m)	LATERAL OFFSET (m)	INLINE OFFSET (m)	SOURCE POSITION	CH.1	CH.240	CH.	CH.	No of Sweeps	Noise Edit Window (sec)	Over Lap (sec)	Power Factor	DEAD(D),WILD(W) or POLARITY INVERSE(P) (NO. means Geophone Location Number)	
1	G.P								1021	-	1260							Geophone Pulse
2	S.R								1021	-	1260							System Response
3	G.N								1021	-	1260							Ground Noise
4	A-1	90%	3	Fixed				1243.0	1021	-	1260		12	6	3	1		8-40Hz, 16sec.
5	A-2	90%	3	Fixed				1243.0	1021	-	1260		12	6	3	1		8-50Hz, 16sec.
6	A-3	90%	3	Fixed				1243.0	1021	-	1260		12	6	3	1		8-60Hz, 16sec. NG-Shot.
7	A-3	90%	3	Fixed				1243.0	1021	-	1260		2	6	3	1		8-60Hz, 16sec. NG-Shot.
8	A-3	90%	3	Fixed				1243.0	1021	-	1260		12	6	3	1		8-60Hz, 16sec.
9	B-1	90%	3	Fixed				1243.0	1021	-	1260		8	6	3	1		8-50Hz, 16sec.
10	B-2	90%	3	Fixed				1243.0	1021	-	1260		12	6	3	1		8-50Hz, 16sec.
11	B-3	90%	3	Fixed				1243.0	1021	-	1260		16	6	3	1		8-50Hz, 16sec.
12	B-4	90%	3	Fixed				1243.0	1021	-	1260		20	6	3	1		8-50Hz, 16sec.
13	B-5	90%	3	Fixed				1243.0	1021	-	1260		32	6	3	1		8-50Hz, 16sec.
14	C-1	90%	1	Fixed				1243.0	1021	-	1260		12	6	3	1		8-50Hz, 16sec.
15	C-2	50%	1	Fixed				1243.0	1021	-	1260		12	6	3	1		8-50Hz, 16sec.
16	D-1	90%	3	Fixed				1243.0	1021	-	1260		16	5.5	2.5	1		8-50Hz, 25sec.
17	1341	90%	3	Fixed				1341.0	1021	-	1260		20	6	3	1		8-50Hz, 16sec.
18	1341	90%	3	Fixed				1341.0	1021	-	1260		30	6	3	1		8-50Hz, 16sec.
19	1331	90%	3	Fixed				1331.0	1021	-	1260		20	6	3	1		8-50Hz, 16sec.
20	1321	90%	3	Fixed				1321.0	1021	-	1260		20	6	3	1		8-50Hz, 16sec.

SEISMIC OBSERVER'S REPORT FORM-B



PROSPECT		LINE		DATE		WEATHER		WIND		TEMP		OBSERVER		PAGE				
CHIBA 2001		Line - 1 (N S)		2001/11/9		RAINY		LIGHT				Miyamoto		3				
FIELD TAPE		SOURCE						RECEIVER				RECORD			BAD TRACES	REMARKS		
REEL NO. 1								SPREAD (GEOPHONE LOCATIONS USED)										
FIELD REC. FILE NO.	SP or VP NO.	Force Out (%)	No. of Vibrators	Array Pattern	Vibrator Array (m)	LATERAL OFFSET (m)	INLINE OFFSET (m)	SOURCE POSITION	CH.1	CH.240	CH.	CH.	No of Sweeps	Noise Edit Window (sec)	Over Lap (sec)	Power Factor	DEAD(D), WILD(W) or POLARITY INVERSE(P) (NO. means Geophone Location Number)	
30	G.P								1015	-	1254							Geophone Pulse
31	S.R								1015	-	1254							System Response
32	G.N								1015	-	1254							Ground Noise
33	G.P								837	-	1076							Geophone Pulse
34	S.R								837	-	1076							System Response
35	G.N								837	-	1076							Ground Noise
36	1215	90%	3	Fixed				1215.0	1015	-	1254		20	6	3	1		
37	1210	90%	3	Fixed				1210.0	1010	-	1249		20	6	3	1		
38	1207	90%	3	Fixed				1207.0	1007	-	1246		20	6	3	1		
39	1200	90%	3	Fixed				1200.0	1000	-	1239		20	6	3	1		
40	1194	90%	3	Fixed				1194.0	994	-	1233		20	6	3	1		
41	1189	90%	3	Fixed				1189.0	989	-	1228		20	6	3	1		
42	1181	50%	3	Fixed				1181.0	981	-	1220		20	6	3	1		
43	1177	90%	3	Fixed				1177.0	977	-	1216		20	6	3	1		
44	1170	50%	3	Fixed				1170.0	970	-	1209		20	6	3	1		
45	1165	50%	3	Fixed				1165.0	965	-	1204		20	6	3	1		
46	1154	50%	3	Fixed				1154.0	954	-	1193		20	6	3	1		
47	1150	50%	3	Fixed				1150.0	950	-	1189		20	6	3	1		
48	1144	50%	3	Fixed				1144.0	944	-	1183		20	6	3	1		
49	1140	50%	3	Fixed				1140.0	940	-	1179		20	6	3	1		

Rec. 8sec. Sample 4ms.
Sweep Frequency 8-50Hz, 16sec.
Loc.1051-1052 River Dead.
Loc.1045 Dynamo-noise.

SEISMIC OBSERVER'S REPORT FORM-B



PROSPECT		LINE		DATE		WEATHER		WIND		TEMP		OBSERVER		PAGE				
CHIBA 2001		Line - 1 (N S)		2001/11/9		RAINY		LIGHT				Miyamoto		4				
FIELD TAPE		SOURCE							RECEIVER				RECORD			BAD TRACES	REMARKS	
REEL NO. 1									SPREAD (GEOPHONE LOCATIONS USED)									
FIELD REC. FILE NO.	SP or VP NO.	Force Out (%)	No. of Vibrators	Array Pattern	Vibrator Array (m)	LATERAL OFFSET (m)	IN-LINE OFFSET (m)	SOURCE POSITION	CH.1	CH.240	CH.	CH.	No of Sweeps	Noise Edit Window (sec)	Over Lap (sec)	Power Factor	DEAD(D),WILD(W) or POLARITY INVERSE(P) (NO. means Geophone Location Number)	
50	1134	50%	3	Fixed				1134.0	934	-	1173		20	6	3	1		
51	1130	30%	3	Fixed				1130.0	930	-	1169		20	6	3	1		
52	1125	50%	3	Fixed				1125.0	925	-	1164		20	6	3	1		
53	1119	50%	3	Fixed				1119.0	919	-	1158		20	6	3	1		
54	1110	50%	3	Fixed				1110.0	910	-	1149		20	6	3	1		
55	1102	50%	3	Fixed				1102.0	902	-	1141		20	6	3	1		
56	1097	50%	3	Fixed				1097.0	897	-	1136		20	6	3	1		
57	1089	90%	3	Fixed				1089.0	889	-	1128		20	6	3	1		
58	1075	50%	3	Fixed				1075.0	875	-	1114		20	6	3	1		
59	1070	50%	3	Fixed				1070.0	870	-	1109		20	6	3	1		
60	1063	50%	3	Fixed				1063.0	863	-	1102		20	6	3	1		
61	1058	50%	3	Fixed				1058.0	858	-	1097		20	6	3	1		
62	1041	50%	3	Fixed				1041.0	841	-	1080		20	6	3	1		
63	1037	90%	3	Fixed				1037.0	837	-	1076		20	6	3	1		
64	1032	50%	3	Fixed				1032.0	832	-	1071		12	6	3	1		
65	1024	30%	3	Fixed				1024.0	824	-	1063		20	6	3	1		
66	1020	30%	3	Fixed				1020.0	820	-	1059		20	6	3	1		
67	G.N								820	-	1059							Ground Noise

Rec. 8sec. Sample 4ms.
Sweep Frequency 8-50Hz, 16sec.
Loc.1051-1052 River Dead.
Loc.1045 Dynamo-noise.

SEISMIC OBSERVER'S REPORT FORM-B



PROSPECT		LINE		DATE		WEATHER		WIND		TEMP		OBSERVER		PAGE				
CHIBA 2001		Line - 1 (N S)		2001/11/10		RAINY		LIGHT				Miyamoto		5				
FIELD TAPE		SOURCE							RECEIVER				RECORD			BAD TRACES	REMARKS	
REEL NO. 1		Force Out (%)	No. of Vibrators	Array Pattern	Vibrator Array (m)	LATERAL OFFSET (m)	IN-LINE OFFSET (m)	SOURCE POSITION	SPREAD (GEOPHONE LOCATIONS USED)				No of Sweeps	Noise Edit Window (sec)	Over Lap (sec)	Power Factor	DEAD(D), WILD(W)) or POLARITY INVERSE(P) (NO. means Geophone Location Number)	
FIELD REC. FILE NO.	SP or VP NO.								CH.1	CH.240	CH.	CH.						
68	G.P							816 - 1055										Geophone Pulse
69	S.R							816 - 1055										System Response
70	G.N							816 - 1055										Ground Noise
71	G.P							608 - 847										Geophone Pulse
72	S.R							608 - 847										System Response
73	G.N							608 - 847										Ground Noise
74	1006	50%	3	Fixed			1006.0	806 - 1045		20	6	3	1	CH.59 (D)				N.G
75	1006	50%	3	Fixed			1006.0	806 - 1045		20	6	3	1					Data Read Retry.
76	1012	50%	3	Fixed			1012.0	812 - 1051		20	6	3	1	CH.45, 179 (D)				N.G
77	1012	50%	3	Fixed			1012.0	812 - 1051		20	6	3	1					Data Read Retry.
78	1015	50%	3	Fixed			1015.0	815 - 1054		20	6	3	1	CH.109 (D)				N.G
79	1015	50%	3	Fixed			1015.0	815 - 1054		20	6	3	1					Data Read Retry.
80	972	90%	3	Fixed			972.0	772 - 1011		9	6	3	1					N.G
81	972	90%	3	Fixed			972.0	772 - 1011		9	6	3	1					N.G (Data Read Retry.)
82	972	90%	3	Fixed			972.0	772 - 1011		10	6	3	1	CH.69 (D)				
83	972	90%	3	Fixed			972.0	772 - 1011		20	6	3	1					N.G
84	972	90%	3	Fixed			972.0	772 - 1011		20	6	3	1	CH.200 (D)				Data Read Retry.
85	969	50%	3	Fixed			969.0	769 - 1008		10	6	3	1					
86	969	50%	3	Fixed			969.0	769 - 1008		20	6	3	1	CH.107 (D)				N.G
87	969	50%	3	Fixed			969.0	769 - 1008		20	6	3	1					Data Read Retry.

SEISMIC OBSERVER'S REPORT FORM-B



PROSPECT		LINE		DATE		WEATHER		WIND		TEMP		OBSERVER		PAGE				
CHIBA 2001		Line - 1 (N S)		2001/11/11		FINE		LIGHT				Miyamoto		7				
FIELD TAPE		SOURCE							RECEIVER				RECORD			BAD TRACES	REMARKS	
REEL NO. 1									SPREAD (GEOPHONE LOCATIONS USED)									
FIELD REC. FILE NO.	SP or VP NO.	Force Out (%)	No. of Vibrators	Array Pattern	Vibrator Array (m)	LATERAL OFFSET (m)	IN-LINE OFFSET (m)	SOURCE POSITION	CH.1	CH.240	CH.	CH.	No of Sweeps	Noise Edit Window (sec)	Over Lap (sec)	Power Factor	DEAD(D),WILD(W) or POLARITY INVERSE(P) (NO. means Geophone Location Number)	
103	G.P								686	-	925							Geophone Pulse
104	S.R								686	-	925							System Response
105	G.N								686	-	925							Ground Noise
106	G.P								501	-	740							Geophone Pulse
107	S.R								501	-	740							System Response
108	G.N								501	-	740							Ground Noise
109	886	50%	2	Fixed				886.0	686	-	925		12	6	3	1		N.G (Data Read Error.)
110	886	50%	2	Fixed				886.0	686	-	925		12	6	3	1		N.G (Data Read Error.)
111	886	50%	2	Fixed				886.0	686	-	925		12	6	3	1		Data Read Retry.
112	886	50%	2	Fixed				886.0	686	-	925		12	6	3	1		Data Read Retry.
113	883	50%	2	Move				883.0	683	-	922		12	6	3	1		
114	883	50%	2	Move				883.0	683	-	922		20	6	3	1		
115	877	50%	2	Fixed				877.0	677	-	916		12	6	3	1		
116	874	50%	2	Fixed				874.0	674	-	913		12	6	3	1		
117	864	50%	2	Move				864.0	664	-	903		12	6	3	1		
118	861	50%	2	Fixed				861.0	661	-	900		20	6	3	1		
119	856	50%	2	Fixed				856.0	656	-	895		20	6	3	1		
120	847	50%	2	Move				847.0	647	-	886		20	6	3	1		
121	841	50%	2	Fixed				841.0	641	-	880		20	6	3	1		
122	834	50%	2	Fixed				834.0	634	-	873		12	6	3	1		

Rec. 8sec. Sample 4ms.
Sweep Frequency 8-50Hz, 16sec.
Loc.689-690 Dead.

SEISMIC OBSERVER'S REPORT FORM-B



PROSPECT		LINE		DATE		WEATHER		WIND		TEMP		OBSERVER		PAGE				
CHIBA 2001		Line - 1 (N S)		2001/11/12		RAINY		LIGHT				Miyamoto		9				
FIELD TAPE		SOURCE						RECEIVER				RECORD			BAD TRACES	REMARKS		
REEL NO. 1								SPREAD (GEOPHONE LOCATIONS USED)										
FIELD REC. FILE NO.	SP or VP NO.	Force Out (%)	No. of Vibrators	Array Pattern	Vibrator Array (m)	LATERAL OFFSET (m)	IN-LINE OFFSET (m)	SOURCE POSITION	CH.1	CH.240	CH.	CH.	No of Sweeps	Noise Edit Window (sec)	Over Lap (sec)	Power Factor	DEAD(D),WILD(W) or POLARITY INVERSE(P) (NO. means Geophone Location Number)	
130	G.P								603	-	842							Geophone Pulse
131	S.R								603	-	842							System Response
132	G.N								603	-	842							Ground Noise
133	G.P								507	-	746							Geophone Pulse
134	S.R								507	-	746							System Response
135	G.N								507	-	746							Ground Noise
136	803	90%	4	Move				803.0	603	-	842		20	6	3	1		Sweep Freq. 8-50Hz.
137	798	90%	4	Move				798.0	598	-	837		12	6	3	1		Sweep Freq. 8-50Hz.
138	794	50%	4	Move				794.0	594	-	833		12	6	3	1		Sweep Freq. 8-50Hz.
139	788	90%	4	Move				788.0	588	-	827		50	6	3	1		Sweep Freq. 8-50Hz.
140	788	90%	4	Move				788.0	588	-	827		20	6	3	1		Sweep Freq. 8-30Hz.
141	788	90%	4	Move				788.0	588	-	827		20	6	3	1		Sweep Freq. 8-40Hz.
142	783	90%	2	Move				783.0	583	-	822		20	6	3	1		
143	777	90%	3	Move				777.0	577	-	816		20	6	3	1		
144	773	90%	3	Move				773.0	573	-	812		20	6	3	1		
145	770	90%	3	Move				770.0	570	-	809		20	6	3	1		
146	767	90%	3	Move				767.0	567	-	806		20	6	3	1		
147	751	90%	3	Move				751.0	551	-	790		20	6	3	1		
148	747	90%	3	Move				747.0	547	-	786		20	6	3	1		
149	741	90%	3	Move				741.0	541	-	780		20	6	3	1		

SEISMIC OBSERVER'S REPORT FORM-B



PROSPECT		LINE		DATE		WEATHER		WIND		TEMP		OBSERVER		PAGE				
CHIBA 2001		Line - 1 (N S)		2001/11/12		RAINY / CLOUDY		LIGHT				Miyamoto		10				
FIELD TAPE		SOURCE							RECEIVER				RECORD			BAD TRACES	REMARKS	
REEL NO. 1		Force Out (%)	No. of Vibrators	Array Pattern	Vibrator Array (m)	LATERAL OFFSET (m)	IN-LINE OFFSET (m)	SOURCE POSITION	SPREAD (GEOPHONE LOCATIONS USED)				No of Sweeps	Noise Edit Window (sec)	Over Lap (sec)	Power Factor	DEAD(D), WILD(W)) or POLARITY INVERSE(P) (NO. means Geophone Location Number)	REMARKS
FIELD REC. FILE NO.	SP or VP NO.								CH.1	CH.240	CH.	CH.						
150	736	90%	3	Move			736.0	536 - 775			20	6	3	1				
151	733	90%	3	Move			733.0	533 - 772			20	6	3	1				
152	729	90%	3	Move			729.0	529 - 768			20	6	3	1				
153	723	90%	3	Move			723.0	523 - 762			20	6	3	1				
154	718	50%	3	Move			718.0	518 - 757			20	6	3	1				
155	711	50%	3	Move			711.0	511 - 750			12	6	3	1				
156	708	50%	3	Move			708.0	508 - 747			20	6	3	1				
157	703	90%	3	Move			703.0	503 - 742			20	6	3	1				
158	699	90%	3	Move			699.0	499 - 738			20	6	3	1				
159	694	90%	3	Move			694.0	494 - 733			20	6	3	1				
160	G.N						G.N	494 - 733									Ground Noise	

Rec. 8sec. Sample 4ms.
Sweep Frequency 8-40Hz, 16sec.
Loc.560-561 River Dead.

SEISMIC OBSERVER'S REPORT FORM-B



PROSPECT		LINE		DATE		WEATHER		WIND		TEMP		OBSERVER		PAGE				
CHIBA 2001		Line - 1 (N S)		2001/11/13		FINE		LIGHT				K..SASAKI		11				
FIELD TAPE		SOURCE						RECEIVER				RECORD			BAD TRACES	REMARKS		
REEL NO. 1								SPREAD (GEOPHONE LOCATIONS USED)										
FIELD REC. FILE NO.	SP or VP NO.	Force Out (%)	No. of Vibrators	Array Pattern	Vibrator Array (m)	LATERAL OFFSET (m)	IN-LINE OFFSET (m)	SOURCE POSITION	CH.1	CH.240	CH.	CH.	No of Sweeps	Noise Edit Window (sec)	Over Lap (sec)	Power Factor	DEAD(D),WILD(W) or POLARITY INVERSE(P) (NO. means Geophone Location Number)	
161	G.P								494	-	733							Geophone Pulse
162	S.R								494	-	733							System Response
163	S.R								494	-	733							System Response
164	G.N								494	-	733							Ground Noise
165	G.P								428	-	667							Geophone Pulse
166	S.R								428	-	667							System Response
167	G.N								428	-	667							Ground Noise
168	694	80%	1	Move				694.0	494	-	733		12	6	3	1		Mini Vib Sweep Freq. 8-50Hz.
169	694	80%	1	Move				694.0	494	-	733		20	6	3	1		Mini Vib Sweep Freq. 8-50Hz.
170	683	80%	1	Move				683.0	563	-	802		20	6	3	1		Mini Vib Sweep Freq. 8-50Hz.
171	677	80%	1	Move				677.0	557	-	796		20	6	3	1		Mini Vib Sweep Freq. 8-50Hz.
172	671	80%	1	Move				671.0	551	-	790		20	6	3	1		Mini Vib Sweep Freq. 8-50Hz.
173	665	80%	1	Move				665.0	545	-	784		12	6	3	1		Mini Vib Sweep Freq. 8-50Hz.
174	657	80%	1	Move				657.0	537	-	776		12	6	3	1		Mini Vib Sweep Freq. 8-50Hz.
175	647	80%	1	Move				647.0	527	-	766		12	6	3	1		Mini Vib Sweep Freq. 8-50Hz.
176	635	80%	1	Move				635.0	515	-	754		12	6	3	1		Mini Vib Sweep Freq. 8-50Hz.
177	631	80%	1	Move				631.0	511	-	750		12	6	3	1		Mini Vib Sweep Freq. 8-50Hz.
178	627	50%	1	Move				627.0	507	-	746		20	6	3	1		
179	619	90%	2	Fixed				619.0	579	-	818		20	6	3	1		
180	611	50%	2	Fixed				611.0	571	-	810		20	6	3	1		

Rec. 8sec. Sample 4ms.
Sweep Frequency 8-40Hz, 16sec.
Loc.560-561 River Dead.

SEISMIC OBSERVER'S REPORT FORM-B



PROSPECT		LINE		DATE		WEATHER		WIND		TEMP		OBSERVER		PAGE				
CHIBA 2001		Line - 1 (N S)		2001/11/13		FINE		LIGHT				K..SASAKI		12				
FIELD TAPE		SOURCE							RECEIVER				RECORD			BAD TRACES	REMARKS	
REEL NO. 1		Force Out (%)	No. of Vibrators	Array Pattern	Vibrator Array (m)	LATERAL OFFSET (m)	IN-LINE OFFSET (m)	SOURCE POSITION	SPREAD (GEOPHONE LOCATIONS USED)				No of Sweeps	Noise Edit Window (sec)	Over Lap (sec)	Power Factor	DEAD(D),WILD(W) or POLARITY INVERSE(P) (NO. means Geophone Location Number)	
FIELD REC. FILE NO.	SP or VP NO.								CH.1	CH.240	CH.	CH.						
181	605	50%	2	Move			605.0	565 - 804			12	6	3	1				
182	600	50%	2	Move			600.0	560 - 799			12	6	3	1				
183	595	50%	2	Move			595.0	555 - 794			12	6	3	1				
184	589	50%	2	Move			589.0	549 - 788			12	6	3	1				
185	583	50%	2	Move			583.0	543 - 782			12	6	3	1				
186	577	50%	1	Move			577.0	537 - 776			12	6	3	1				
187	571	50%	2	Move			571.0	531 - 770			12	6	3	1				
188	567	50%	1	Fixed			567.0	527 - 766			12	6	3	1				
189	551	20%	2	Move			551.0	511 - 750			12	6	3	1				
190	543	20%	2	Fixed			543.0	503 - 742			12	6	3	1				
191	540	20%	2	Fixed			540.0	500 - 739			12	6	3	1				
192	535	90%	2	Move			535.0	495 - 734			20	6	3	1				
193	524	90%	2	Move			524.0	484 - 723			10	6	3	1				
194	520	90%	2	Move			520.0	480 - 719			5	6	3	1				
195	517	90%	2	Fixed			517.0	477 - 716			5	6	3	1				
196	514	90%	2	Move			514.0	474 - 713			5	6	3	1				
197	510	90%	2	Fixed			510.0	470 - 709			5	6	3	1				
198	510	50%	2	Fixed			510.0	470 - 709			10	6	3	1				
199	507	50%	2	Fixed			507.0	467 - 706			10	6	3	1				
200	504	50%	2	Move			504.0	464 - 703			10	6	3	1				

Rec. 8sec. Sample 4ms.
Sweep Frequency 8-40Hz, 16sec.
Loc.560-561 River Dead.

SEISMIC OBSERVER'S REPORT FORM-B



PROSPECT		LINE		DATE		WEATHER		WIND		TEMP		OBSERVER		PAGE				
CHIBA 2001		Line - 1 (N S)		2001/11/13		FINE		LIGHT				K..SASAKI		13				
FIELD TAPE		SOURCE							RECEIVER				RECORD			BAD TRACES	REMARKS	
REEL NO. 1		Force Out (%)	No. of Vibrators	Array Pattern	Vibrator Array (m)	LATERAL OFFSET (m)	IN-LINE OFFSET (m)	SOURCE POSITION	SPREAD (GEOPHONE LOCATIONS USED)				No of Sweeps	Noise Edit Window (sec)	Over Lap (sec)	Power Factor	DEAD(D), WILD(W)) or POLARITY INVERSE(P) (NO. means Geophone Location Number)	REMARKS
FIELD REC. FILE NO.	SP or VP NO.								CH.1	CH.240	CH.	CH.						
201	495	90%	2	Move			495.0	455 - 694				5	6	3	1			
202	489	90%	2	Move			489.0	449 - 688				5	6	3	1			
203	484	90%	2	Move			484.0	444 - 683				5	6	3	1			
204	479	90%	2	Fixed			479.0	439 - 678				5	6	3	1			
205	468	90%	2	Move			468.0	428 - 667				5	6	3	1			
206	463	50%	2	Move			463.0	423 - 662				10	6	3	1			
207	457	90%	1	Move			457.0	417 - 656				5	6	3	1			
208	452	90%	1	Move			452.0	412 - 651				5	6	3	1			
209	447	90%	1	Move			447.0	407 - 646				5	6	3	1			
210	G.N						G.N	407 - 646									Ground Noise	
																	REEL No.1 E.O.T	

Rec. 8sec. Sample 4ms.
Sweep Frequency 8-40Hz, 16sec.
Loc.560-561 River Dead.

SEISMIC OBSERVER'S REPORT FORM-B



PROSPECT		LINE		DATE		WEATHER		WIND		TEMP		OBSERVER		PAGE				
CHIBA 2001		Line - 1 (N S)		2001/11/17		CLOUDY		LIGHT				Miyamoto		16				
FIELD TAPE		SOURCE							RECEIVER				RECORD			BAD TRACES	REMARKS	
REEL NO. 3		Force Out (%)	No. of Vibrators	Array Pattern	Vibrator Array (m)	LATERAL OFFSET (m)	INLINE OFFSET (m)	SOURCE POSITION	SPREAD (GEOPHONE LOCATIONS USED)				No of Sweeps	Noise Edit Window (sec)	Over Lap (sec)	Power Factor	DEAD(D), WILD(W)) or POLARITY INVERSE(P) (NO. means Geophone Location Number)	REEL No.3 B.O.T
FIELD REC. FILE NO.	SP or VP NO.								CH.1	CH.240	CH.	CH.						
228	G.P							389 - 628									CH.1-2 (D) Geophone Pulse	
229	S.R							389 - 628									System Response	
230	G.N							389 - 628									CH.1-2 (D) Ground Noise	
231	G.P							61 - 300									Geophone Pulse	
232	S.R							61 - 300									System Response	
233	G.N							61 - 300									Ground Noise	
234	429	90%	1	Fixed			429.0	389 - 628		5	6	3	1					
235	425	90%	1	Fixed			425.0	385 - 624		5	6	3	1					
236	417	90%	1	Fixed			417.0	377 - 616		5	6	3	1					
237	409	90%	1	Fixed			409.0	369 - 608		5	6	3	1					
238	400	90%	1	Fixed			400.0	360 - 599		5	6	3	1					
239	396	90%	1	Fixed			396.0	356 - 595		5	6	3	1					
240	392	90%	1	Fixed			392.0	352 - 591		5	6	3	1					
241	381	90%	3	Move			381.0	341 - 580		10	6	3	1					
242	369	90%	3	Fixed			369.0	329 - 568		10	6	3	1					
243	363	90%	3	Fixed			363.0	323 - 562		10	6	3	1				N.G Data Read Error. (CH.3-6)	
244	363	90%	3	Fixed			363.0	323 - 562		10	6	3	1				Data Read Retry.	
245	357	90%	3	Fixed			357.0	317 - 556		10	6	3	1				Data Read Error. (CH.9-12)	
246	357	90%	3	Fixed			357.0	317 - 556		10	6	3	1				N.G Data Read Retry.	
247	357	90%	3	Fixed			357.0	317 - 556		10	6	3	1				N.G Data Read Retry.	

SEISMIC OBSERVER'S REPORT FORM-B



PROSPECT		LINE		DATE		WEATHER		WIND		TEMP		OBSERVER		PAGE				
CHIBA 2001		Line - 1 (N S)		2001/11/18		FINE		LIGHT				Miyamoto		18				
FIELD TAPE		SOURCE						RECEIVER				RECORD			BAD TRACES	REMARKS		
REEL NO. 3								SPREAD (GEOPHONE LOCATIONS USED)										
FIELD REC. FILE NO.	SP or VP NO.	Force Out (%)	No. of Vibrators	Array Pattern	Vibrator Array (m)	LATERAL OFFSET (m)	INLINE OFFSET (m)	SOURCE POSITION	CH.1	CH.240	CH.	CH.	No of Sweeps	Noise Edit Window (sec)	Over Lap (sec)	Power Factor	DEAD(D),WILD(W) or POLARITY INVERSE(P) (NO. means Geophone Location Number)	
264	G.P								231	-	470							Geophone Pulse
265	S.R								231	-	470							System Response
266	G.N								231	-	470							Ground Noise
267	G.P								61	-	300							Geophone Pulse
268	S.R								61	-	300							System Response
269	G.N								61	-	300							Ground Noise
270	271	90%	3	Move				271.0	231	-	470		20	6	3	1		
271	265	90%	3	Move				265.0	225	-	464		20	6	3	1		
272	259	90%	3	Move				259.0	219	-	458		10	6	3	1		
273	254	90%	3	Move				254.0	214	-	453		20	6	3	1		
274	250	90%	3	Move				250.0	210	-	449		20	6	3	1		
275	242	90%	3	Move				242.0	202	-	441		30	6	3	1		
276	234	90%	3	Move				234.0	194	-	433		12	6	3	1		
277	231	90%	3	Move				231.0	191	-	430		20	6	3	1		
278	226	90%	3	Move				226.0	186	-	425		20	6	3	1		
279	217	90%	3	Move				217.0	177	-	416		20	6	3	1		
280	211	90%	3	Move				211.0	171	-	410		20	6	3	1		
281	205	90%	3	Move				205.0	165	-	404		20	6	3	1		
282	199	90%	3	Move				199.0	159	-	398		20	6	3	1		
283	189	90%	3	Move				189.0	149	-	388		20	6	3	1		

Rec. 8sec. Sample 4ms.
Sweep Frequency 8-40Hz, 16sec.
Loc. 381-387 River Dead.

SEISMIC OBSERVER'S REPORT FORM-B



PROSPECT		LINE		DATE		WEATHER		WIND		TEMP		OBSERVER		PAGE					
CHIBA 2001		Line - 1 (N S)		2001/11/18		FINE		LIGHT				Miyamoto		19					
FIELD TAPE		SOURCE							RECEIVER				RECORD			BAD TRACES		REMARKS	
REEL NO. 3		Force Out (%)	No. of Vibrators	Array Pattern	Vibrator Array (m)	LATERAL OFFSET (m)	IN LINE OFFSET (m)	SOURCE POSITION	SPREAD (GEOPHONE LOCATIONS USED)				No of Sweeps	Noise Edit Window (sec)	Over Lap (sec)	Power Factor	DEAD(D), WILD(W)) or POLARITY INVERSE(P) (NO. means Geophone Location Number)	Rec. 8sec. Sample 4ms. Sweep Frequency 8-40Hz, 16sec. Loc. 77-84, 381-387 River Dead.	
FIELD REC. FILE NO.	SP or VP NO.								CH.1	CH.240	CH.	CH.							
284	183	90%	3	Move			183.0	143	-	382			20	6	3	1			
285	177	90%	3	Move			177.0	137	-	376			20	6	3	1			
286	177	90%	3	Move			177.0	137	-	376			30	6	3	1			
287	171	90%	3	Move			171.0	131	-	370			20	6	3	1			
288	165	90%	3	Move			165.0	125	-	364			20	6	3	1			
289	160	90%	3	Fixed			160.0	120	-	359			20	6	3	1			
290	153	90%	3	Move			153.0	113	-	352			20	6	3	1			
291	148	90%	3	Move			148.0	108	-	347			20	6	3	1			
292	143	90%	3	Move			143.0	103	-	342			20	6	3	1			
293	137	90%	3	Move			137.0	97	-	336			20	6	3	1			
294	131	90%	3	Move			131.0	91	-	330			20	6	3	1			
295	125	90%	3	Move			125.0	85	-	324			20	6	3	1			
296	119	90%	3	Move			119.0	79	-	318			20	6	3	1			
297	112	90%	3	Move			112.0	72	-	311			20	6	3	1			
298	107	90%	3	Move			107.0	67	-	306			20	6	3	1			
299	107	90%	3	Move			107.0	67	-	306			30	6	3	1			
300	101	90%	3	Move			101.0	61	-	300			20	6	3	1			
301	96	90%	3	Fixed			96.0	61	-	300			20	6	3	1			
302	91	90%	3	Move			91.0	61	-	300			20	6	3	1			
303	87	90%	3	Move			87.0	61	-	300			20	6	3	1			

SEISMIC OBSERVER'S REPORT FORM-B



PROSPECT		LINE						DATE	WEATHER	WIND	TEMP	OBSERVER	PAGE					
CHIBA 2001		Line - 1 (N S)						2001/11/19	FINE	LIGHT		Miyamoto	20					
FIELD TAPE		SOURCE						RECEIVER				RECORD	BAD TRACES	REMARKS				
REEL NO. 3		Force Out (%)	No. of Vibrators	Array Pattern	Vibrator Array (m)	LATERAL OFFSET (m)	INLINE OFFSET (m)	SOURCE POSITION	SPREAD (GEOPHONE LOCATIONS USED)				No of Sweeps	Noise Edit Window (sec)	Over Lap (sec)	Power Factor	DEAD(D), WILD(W) or POLARITY INVERSE(P) (NO. means Geophone Location Number)	REMARKS
FIELD REC. FILE NO.	SP or VP NO.								CH.1	CH.240	CH.	CH.						
304	G.P							61 - 300									Geophone Pulse	
305	S.R							61 - 300									System Response	
306	G.N							61 - 300									Ground Noise	
307	74	90%	3	Move			74.0	61 - 300		20	6	3	1					
308	69	90%	3	Move			69.0	61 - 300		20	6	3	1					
309	64	90%	3	Move			64.0	61 - 300		20	6	3	1					
310	1991	90%	3	Move			1991.0	61 - 300		20	6	3	1					
311	1983	90%	3	Move			1983.0	61 - 300		10	6	3	1					
312	1983	90%	3	Move			1983.0	61 - 300		20	6	3	1					
313	1983	90%	3	Move			1983.0	61 - 300		30	6	3	1					
314	1971	90%	3	Move			1971.0	61 - 300		20	6	3	1					
315	1963	90%	3	Move			1963.0	61 - 300		20	6	3	1					
316	1951	90%	3	Fixed			1951.0	61 - 300		20	6	3	1					
317	1951	90%	3	Fixed			1951.0	61 - 300		30	6	3	1					
318	1943	90%	3	Move			1943.0	61 - 300		30	6	3	1					
319	1931	90%	3	Move			1931.0	61 - 300		30	6	3	1					
320	1923	90%	3	Move			1923.0	61 - 300		30	6	3	1					
321	G.N							61 - 300									Ground Noise	
REEL No.3 E.O.T																		

Rec. 8sec. Sample 4ms.
Sweep Frequency 8-40Hz, 16sec.
Loc. 77-84 River Dead.