

Survey type: ZOVSP
Company: jamstec
Well: C0009A
Field: Kumanonada, Offshore, Kii peninsula
Country: JAPAN
Run: 5
Date: 24-Jul-2009

Recorded by: P.Thongpracharn / A. Mitchell

Witnessed by: T. Honda / K. Takahashi

Well Information

Company	jamstec
Well	C0009A
Field	Kumanonada, Offshore Kii peninsula
Country	JAPAN
State	Wakayama
Logging Date	24-Jul-2009
Run Number	5
Service Order	AVDO-0003
Well Head (Latitude)	33* 27.4704' N
Well Head (Longitude)	136* 32.1489' E
Well Head (X Coordinate)	642730.6 UTM
Well Head (Y Coordinate)	3703099.8 UTM
Total Depth - Driller	3300.0 m
Total Depth - Logger	3217.8 m
Maximum Hole Deviation	0.4 deg
Azimuth of Maximum Deviation	139.5deg
Program Version	17C0-154 WB 2.9.21 WAVE 1.4B6
Bit Size	13.325 in
Recorded by	P.Thongpracharn / A. Mitchell
Witnessed by	T. Honda / K. Takahashi

Elevation Information

Permanent Datum	MEAN SEA LEVEL
Elevation Permanent Datum	28.3 m
Above Permanent Datum	0.0 m
Drilling Measured From	DRILL FLOOR
Derrick Floor	28.3 m
Ground Level	-2061.0 m
Kelly Bush	28.3 m
Log Measured From	DRILL FLOOR
Elevation Log Zero	28.3 m

Depth Corrected Information

Water Velocity	1500.0 m/s
Seismic Reference Datum	0.0 m

Remarks

Tools ran as per wellsketch
Zero offset VSP Guns deployed using rig Port crane

Well Information

Well Type	Research
Rig / Platform Type	Drill Ship Chikyu
Well Reference Azimuth (Magnetic, True, or Grid North)	Grid

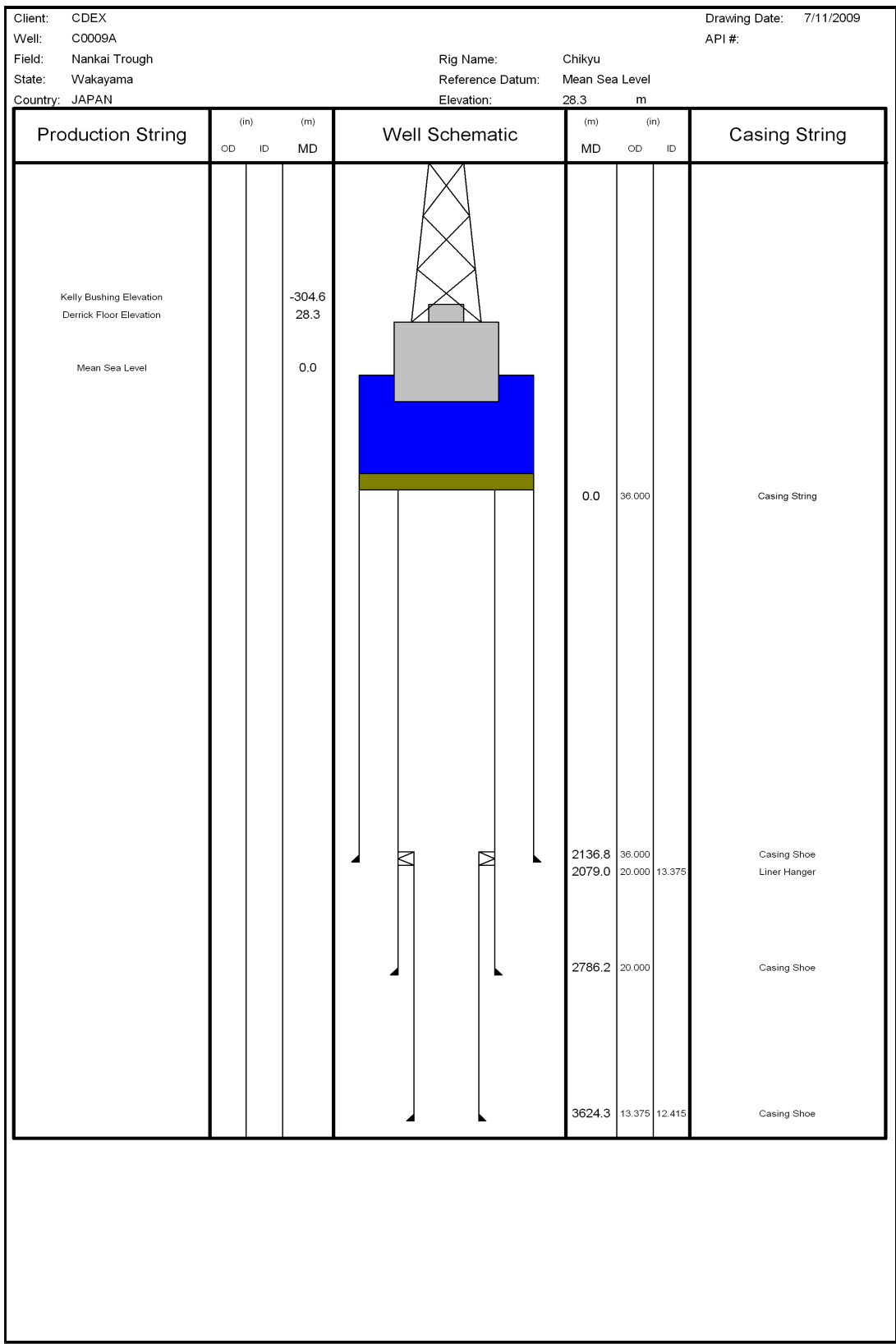
Elevation Information

Water Depth	2061m
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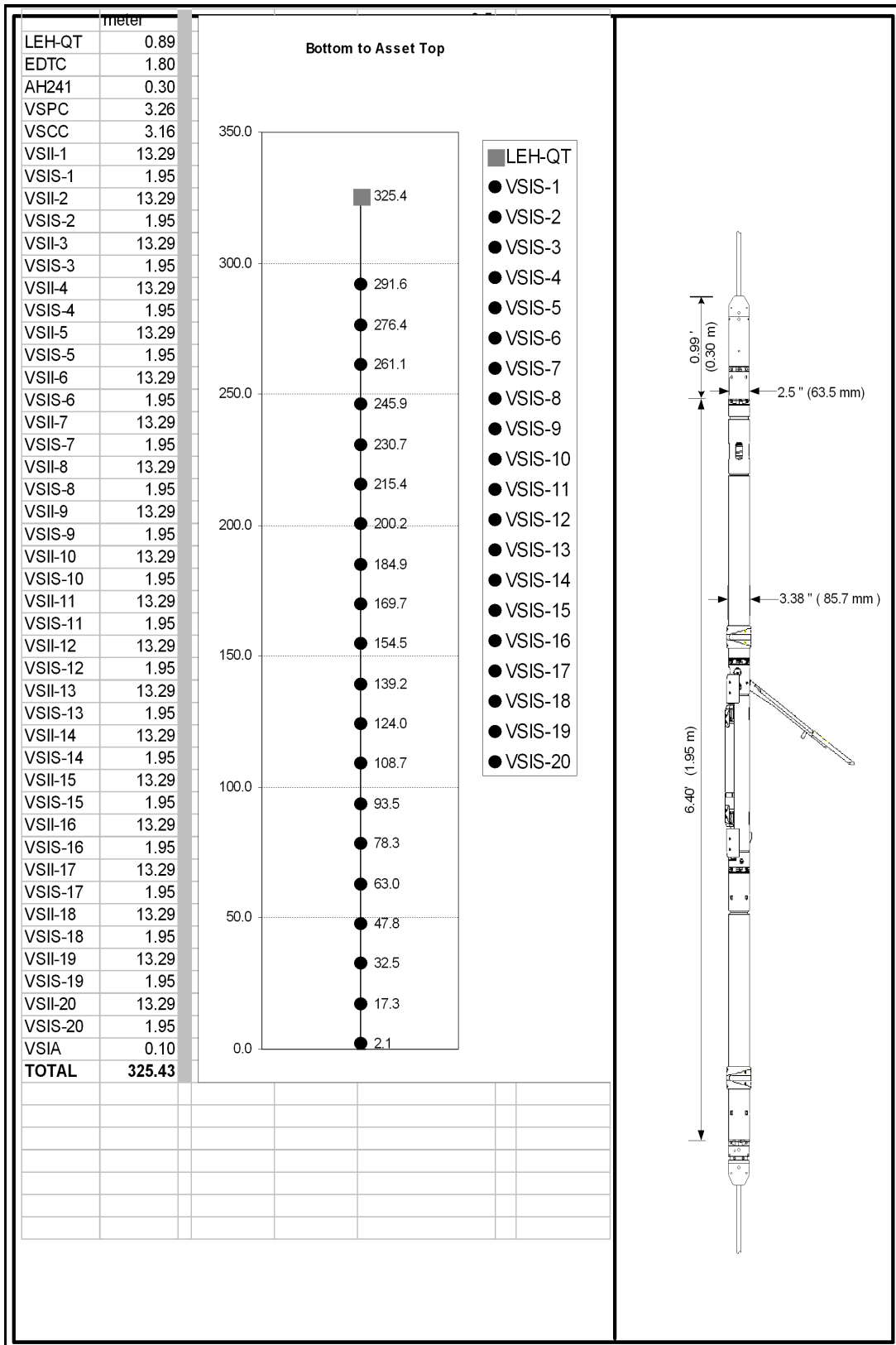
Sea Condition

Sea Condition	Good
Wave Height	1-2m swell

Well Sketch



Tool Sketch



Downhole Equipment Information

Tool Type	VSIT-G
Surface Equipment	WFMK-D 3013, WSQB-GPS 87351132, WSAM 851, WSI 1725, DC LJP01
Combined Tool	LEH-QT 8061, EDTC-B 1136, AH241 8009, VSPC ENP 19, VSCC ENP 19.
Number of Shuttles	16
Nominal Receiver Spacing	15.24m
Gimbaled (Y/N)	N
Downhole Geophone Type	GAC-D Accelerometer
Sensitivity	>0.5 V/G +/-5%
Natural Frequency	20Hz
Damping Factor	4
DC Resistance	<1500 ohm+/-3%
Interconnect Cable #1	ENP 100
Receiver #1	ENP 100
Interconnect Cable #2	ENP 125
Receiver #2	ENP 158
Interconnect Cable #3	ENP 126
Receiver #3	ENP 165
Interconnect Cable #4	ENP 127
Receiver #4	ENP 170
Interconnect Cable #5	ENP 128
Receiver #5	ENP 171
Interconnect Cable #6	ENP 93
Receiver #6	ENP 87
Interconnect Cable #7	ENP 94
Receiver #7	ENP 94
Interconnect Cable #8	ENP 95
Receiver #8	ENP 95
Interconnect Cable #9	ENP 103
Receiver #9	ENP 113
Interconnect Cable #10	ENP 56
Receiver #10	ENP 117
Interconnect Cable #11	ENP 96
Receiver #11	ENP 96
Interconnect Cable #12	ENP 03
Receiver #12	ENP 114
Interconnect Cable #13	ENP 10
Receiver #13	ENP 116
Interconnect Cable #14	ENP 02
Receiver #14	ENP 118
Interconnect Cable #15	ENP 173
Receiver #15	ENP 04
Interconnect Cable #16	ENP 32
Receiver #16	ENP 03
VSIA	ENP 08

General Information

Survey Type	Offset VSP
Surface Recording Length	1000.0 ms
Surface Sampling Rate	1.0 ms
Downhole Recording Length	20000.0 ms
Downhole Sampling Rate	2.0 ms
Top of Survey	1998.8 m
Bottom of Survey	3217.8 m
Number of Shots	94
Number of Downhole Traces	1504
Number of Downhole Traces used for Processing	720

Shot Summary Listing (1/3)

Measured Depth [m]	Tool Number	Stack Number	Relative Bearing [deg]	Caliper [in]	Anchoring force [kg]	Shot number
1998.8	1	12	22.2	15.4	877.6	108, 110, 111, 113
2014.0	2	12	-9.1	15.4	674.6	108, 110, 111, 112, 113
2029.3	3	12	-1.0	15.4	749.7	108, 110, 111, 112, 113
2044.5	4	12	-5.7	15.4	813.0	108, 110, 111, 112, 113
2059.7	5	12	-1.3	15.4	841.3	108, 110, 111, 112, 113
2075.0	6	12	5.9	15.4	745.0	108, 110, 111, 112, 113
2090.2	7	12	-3.4	13.1	741.0	108, 110, 111, 112, 113
2105.5	8	12	5.6	13.3	752.1	108, 110, 111, 112, 113
2120.8	1	11	-20.3	13.2	901.7	100, 101, 102, 103, 104, 105
2136.0	2	11	4.9	12.9	686.2	100, 101, 102, 103, 104, 105
2151.3	3	11	2.2	13.6	805.3	100, 101, 102, 103, 104, 105
2166.5	4	11	6.9	13.2	808.2	100, 101, 102, 103, 104, 105
2181.7	5	11	4.5	13.2	832.7	100, 101, 102, 103, 104, 105
2197.0	6	11	8.7	13.2	698.4	100, 101, 102, 103, 104, 105
2212.2	7	11	4.8	13.1	790.0	100, 101, 102, 103, 104, 105
2227.5	8	11	6.3	13.3	727.3	100, 101, 102, 103, 104, 105
2242.8	1	10	-0.9	13.1	877.8	89, 90, 92, 93, 94, 95, 96, 97
2258.0	2	10	-8.3	12.9	686.9	89, 90, 92, 93, 94, 95, 96, 97
2273.3	3	10	13.4	13.6	801.3	89, 90, 92, 93, 94, 95, 96, 97
2288.5	4	10	-1.3	13.2	804.9	89, 90, 92, 93, 94, 95, 96, 97
2303.7	5	10	4.4	13.2	854.1	89, 90, 92, 93, 94, 95, 96, 97
2319.0	6	10	6.6	13.2	706.6	89, 90, 92, 93, 94, 95, 96, 97
2334.2	7	10	7.5	13.2	719.8	89, 90, 92, 93, 94, 95, 96, 97
2349.5	8	10	5.6	13.3	724.7	89, 90, 92, 93, 94, 95, 96, 97
2364.6	1	9	1.3	13.2	872.9	80, 81, 82, 83, 84, 86, 87, 88
2379.8	2	9	-2.3	12.9	707.4	80, 81, 82, 83, 84, 86, 87, 88
2395.1	3	9	16.9	13.5	799.6	80, 81, 82, 83, 84, 86, 87, 88
2410.3	4	9	-6.1	13.2	817.8	80, 81, 82, 83, 84, 86, 87, 88

Shot Summary Listing (2/3)

Measured Depth [m]	Tool Number	Stack Number	Relative Bearing [deg]	Caliper [in]	Anchoring force [kg]	Shot number
2425.5	5	9	4.5	13.3	826.0	80, 81, 82, 83, 84, 86, 87, 88

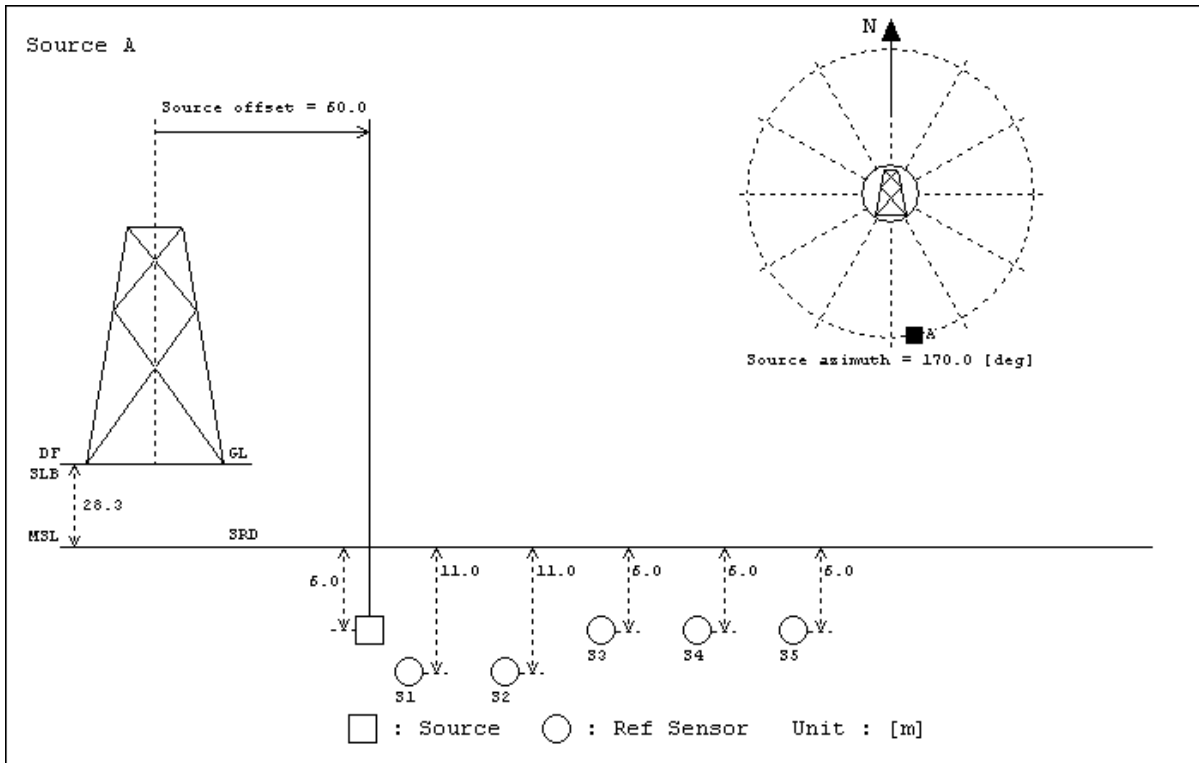
2440.8	6	9	5.0	13.2	722.5	80, 81, 82, 83, 84, 86, 87, 88
2456.0	7	9	4.8	13.2	747.2	80, 81, 82, 83, 84, 86, 87, 88
2471.3	8	9	6.5	13.3	720.2	80, 81, 82, 83, 84, 86, 87, 88
2486.8	1	8	1.4	13.2	893.5	71, 72, 73, 74, 75, 76, 77, 78
2502.0	2	8	-1.6	12.9	692.4	71, 72, 73, 74, 75, 76, 77, 78
2517.2	3	8	16.9	13.5	772.5	71, 72, 73, 74, 75, 76, 77, 78
2532.5	4	8	-7.5	13.1	814.5	71, 72, 73, 74, 75, 76, 77, 78
2547.7	5	8	4.3	13.2	831.9	71, 72, 73, 74, 75, 76, 77, 78
2563.0	6	8	2.9	13.2	694.7	71, 72, 73, 74, 75, 76, 77, 78
2578.2	7	8	6.8	13.2	699.0	71, 72, 73, 74, 75, 76, 77, 78
2593.4	8	8	6.4	13.3	714.6	69, 71, 72, 73, 74, 75, 76, 77, 78
2608.4	1	7	1.0	13.2	890.7	58, 59, 60, 61, 62, 63, 64, 65, 66, 67
2623.6	2	7	-1.3	12.9	689.4	58, 59, 60, 61, 62, 63, 64, 65, 66, 67
2638.8	3	7	17.5	13.5	782.3	58, 59, 60, 61, 62, 63, 64, 65, 66, 67
2654.1	4	7	-7.8	13.2	816.5	58, 59, 60, 61, 62, 63, 64, 65, 66, 67
2669.3	5	7	2.6	13.2	851.7	58, 59, 60, 61, 62, 63, 64, 65, 66, 67
2684.6	6	7	5.3	13.2	724.5	58, 59, 60, 61, 62, 63, 64, 65, 66, 67
2699.8	7	7	5.0	13.2	760.0	58, 59, 60, 61, 62, 63, 64, 65, 66, 67
2715.0	8	7	6.5	13.3	751.7	58, 59, 60, 61, 62, 63, 64, 65, 66, 67
2730.3	1	6	0.9	13.2	886.7	48, 49, 50, 51, 52, 54, 55, 56
2745.5	2	6	0.5	12.9	685.8	48, 49, 50, 51, 52, 54, 55, 56
2760.7	3	6	19.3	13.5	781.1	48, 49, 50, 51, 52, 54, 55, 56
2776.0	4	6	-6.2	13.2	807.3	48, 49, 50, 51, 52, 54, 55, 56
2791.2	5	6	2.6	13.2	839.3	48, 49, 50, 51, 52, 54, 55, 56
2806.5	6	6	18.4	13.0	659.1	48, 49, 50, 51, 52, 54, 55, 56
2821.7	7	6	4.8	13.2	769.1	48, 49, 50, 51, 52, 54, 55, 56
2836.9	8	6	8.2	13.3	715.0	48, 49, 50, 51, 52, 54, 55, 56

Shot Summary Listing (3/3)

Measured Depth [m]	Tool Number	Stack Number	Relative Bearing [deg]	Caliper [in]	Anchoring force [kg]	Shot number
2852.4	1	5	4.1	13.2	879.8	41
2867.6	2	5	0.6	12.9	682.9	41
2882.8	3	5	19.9	13.5	766.3	41

2898.1	4	5	-7.4	13.1	801.5	41
2913.3	5	5	2.5	13.2	864.4	41
2928.6	6	5	18.3	13.2	712.4	40, 41
2943.8	7	5	5.2	13.2	769.8	40, 41, 46
2959.0	8	5	8.0	13.3	749.6	40, 41, 46
2974.3	1	4	4.0	13.2	884.3	28, 29, 32, 40, 42, 46
2989.2	1	3	4.5	13.4	806.4	10, 11, 12, 16, 17, 19, 20, 21, 22, 24, 25, 26, 28, 29, 31, 32
3004.5	2	3	-1.6	12.9	651.5	10, 11, 12, 16, 17, 19, 20, 21, 22, 24, 25, 26
3019.7	3	3	21.2	13.5	753.9	10, 11, 12, 16, 17, 19, 20, 21, 22, 24, 25, 26, 28, 29, 31, 32, 38, 40, 46
3035.0	4	3	-12.4	13.4	810.1	10, 11, 12, 16, 17, 19, 20, 21, 22, 24, 25, 26, 28, 29, 31, 32, 38, 40, 46
3050.2	5	3	1.6	13.2	837.2	10, 11, 12, 16, 17, 19, 20, 21, 22, 24, 25, 26, 28, 29, 31, 32, 38, 40, 46
3065.4	6	3	35.9	13.3	703.1	10, 11, 12, 16, 17, 19, 20, 21, 22, 24, 25, 26
3080.7	7	3	5.8	13.2	684.0	10, 11, 12, 16, 17, 19, 20, 21, 22, 24, 25, 26, 28, 29, 31, 32, 38, 40, 41, 46
3095.9	8	3	17.8	13.6	731.8	10, 11, 12, 16, 17, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34
3111.2	9	3	-25.0	13.0	674.5	10, 11, 12, 16, 17, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34
3126.7	11	4	9.6	13.2	739.4	27, 28, 29, 31, 32
3141.6	11	3	14.5	13.1	718.0	10, 11, 12, 16, 17, 19, 20, 21, 22, 24, 25, 26, 28, 29, 31, 32
3156.9	12	3	36.0	13.4	758.5	10, 11, 12, 16, 17, 19, 20, 21, 22, 24, 25, 26, 28, 29, 31, 32
3172.1	13	3	-20.0	13.0	716.4	10, 11, 12, 16, 17, 19, 20, 21, 22, 24, 25, 26, 28, 29, 31, 32
3187.4	14	3	-15.7	13.1	707.6	10, 11, 12, 16, 17, 19, 20, 21, 22, 24, 25, 26
3202.6	15	3	-30.2	13.2	682.4	10, 11, 12, 16, 17, 19, 20, 21, 22, 24, 25, 26, 28, 29, 31, 32
3217.8	16	3	-7.4	13.1	674.1	10, 11, 12, 16, 17, 19, 20, 21, 22, 24, 25, 26

Source Geometry Sketch



Source Configuration (Air Gun)

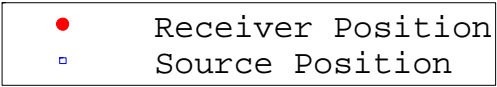
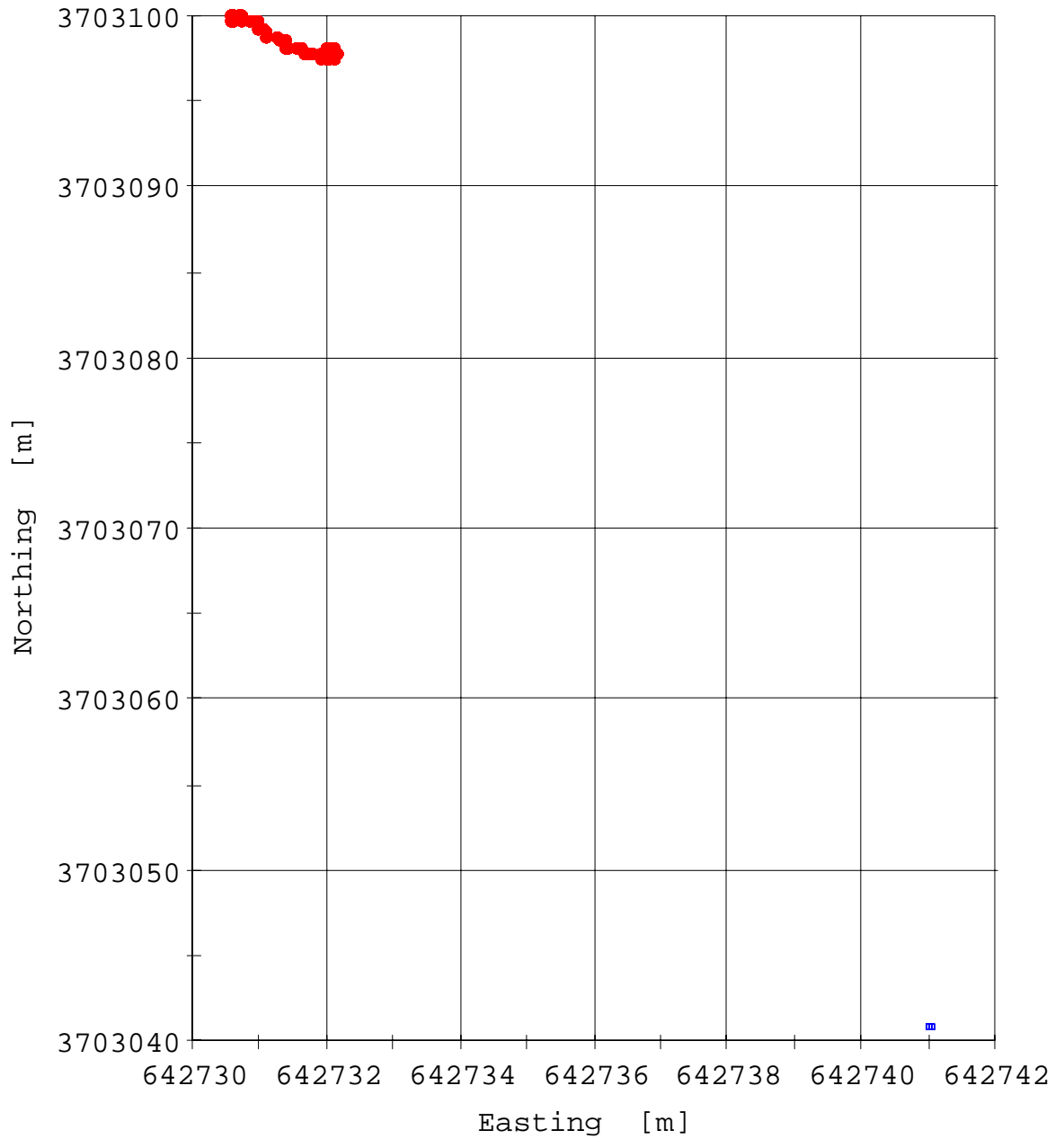
Source Location (Rig, Boat, Pit, Borehole)	Drilling Vessel Chikyu
Source Offset (for fixed offset)	60m
Source Azimuth (for fixed offset)	170 deg
Source Depth from Surface	6m
Source Depth from Logging Zero	34.3m

Gun Controller Type	WSAM-AB
Gun Controller Model Name	WSAM-AB
Gun Controller Serial Number	851
Gun Type	G-Gun
Gun Serial Number(s)	2817B, 2819I, 2818H
Gun Configuration (3 Gun Cluster, Gun Array, etc.)	3 gun Cluster
Gun Chamber Volumes	250 cu/inch
Compressor Type	Air Compressor
Air Regulator Pressure	140 Bar

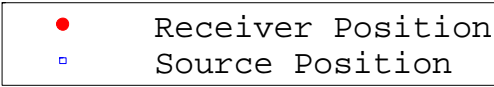
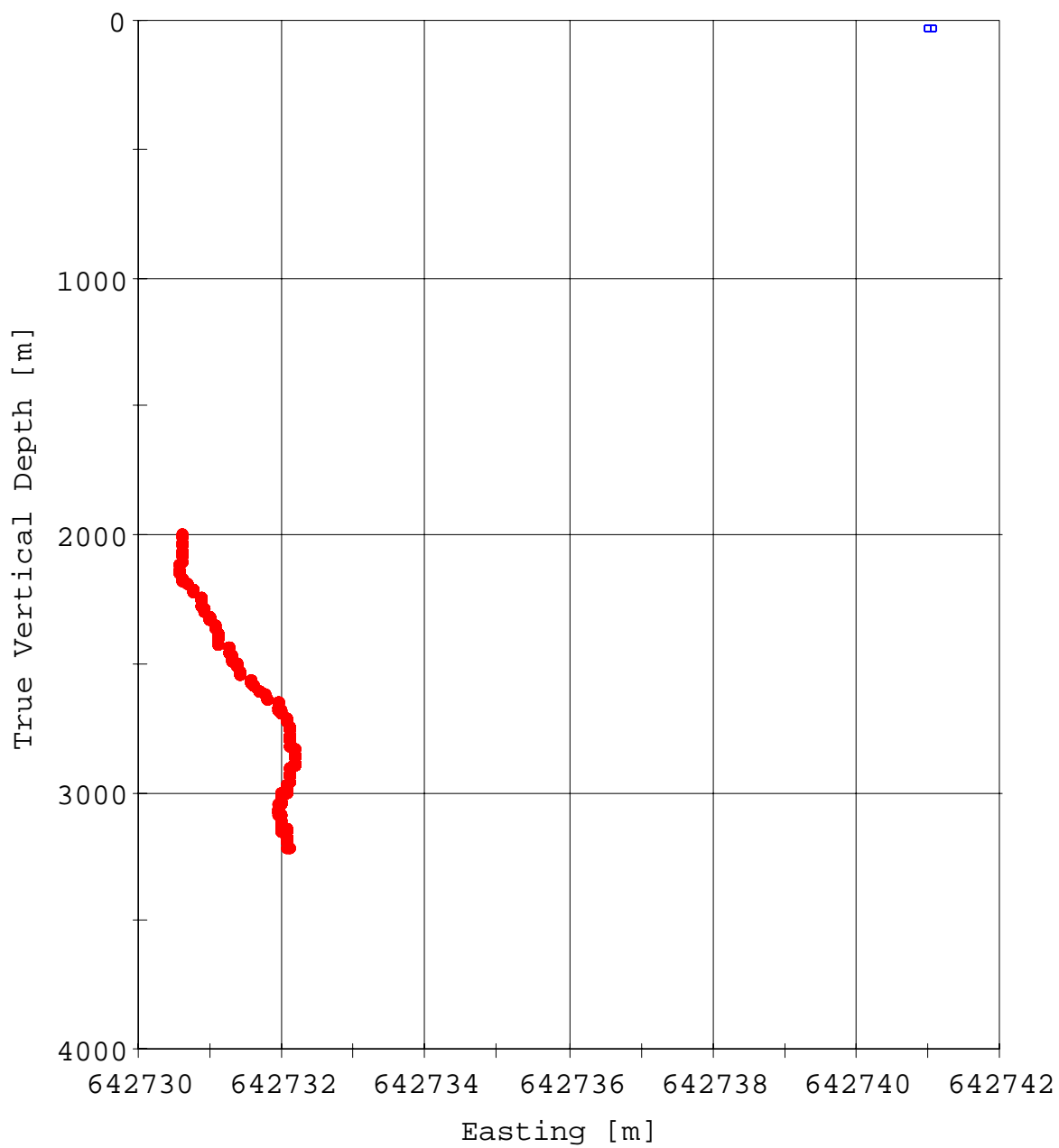
Surface Sensor Configuration

Number of Surface Reference Sensors	2
Surface Recording Length	1000ms
Surface Sampling Rate	1ms
Sensor Type (S1)	MP24-L3
Sensor Depth from Surface (S1)	5m
Sensor Depth from Logging Zero (S1)	39.3m
Sensor Offset from Source (S1)	5m
Sensor Type (S2)	MP24-L3
Sensor Depth from Surface (S2)	5m
Sensor Depth from Logging Zero (S2)	39.3m
Sensor Offset from Source (S2)	5m

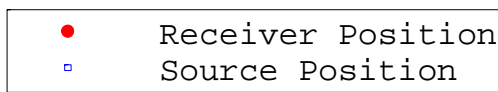
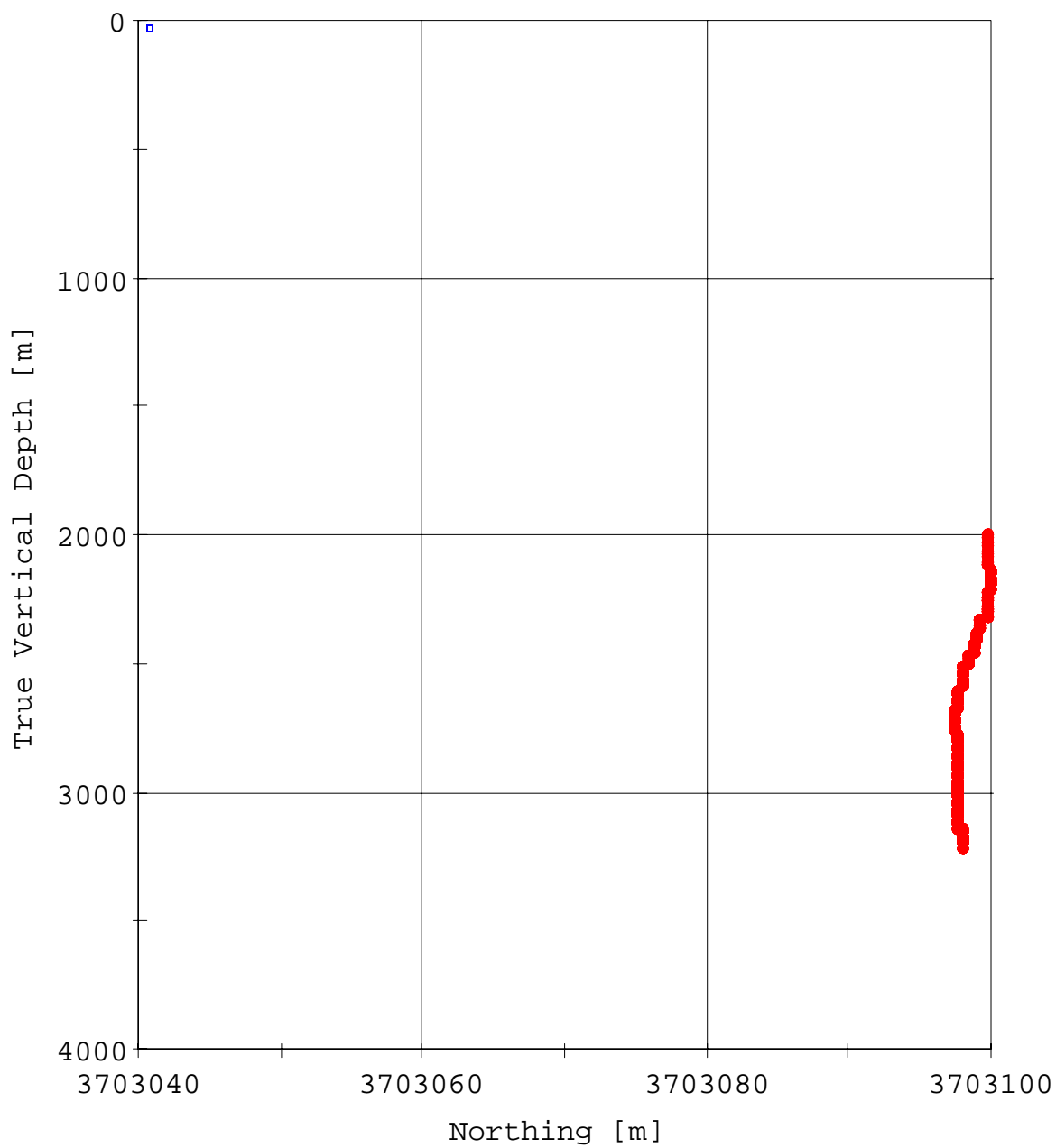
Geometry Infomation (X-Y)



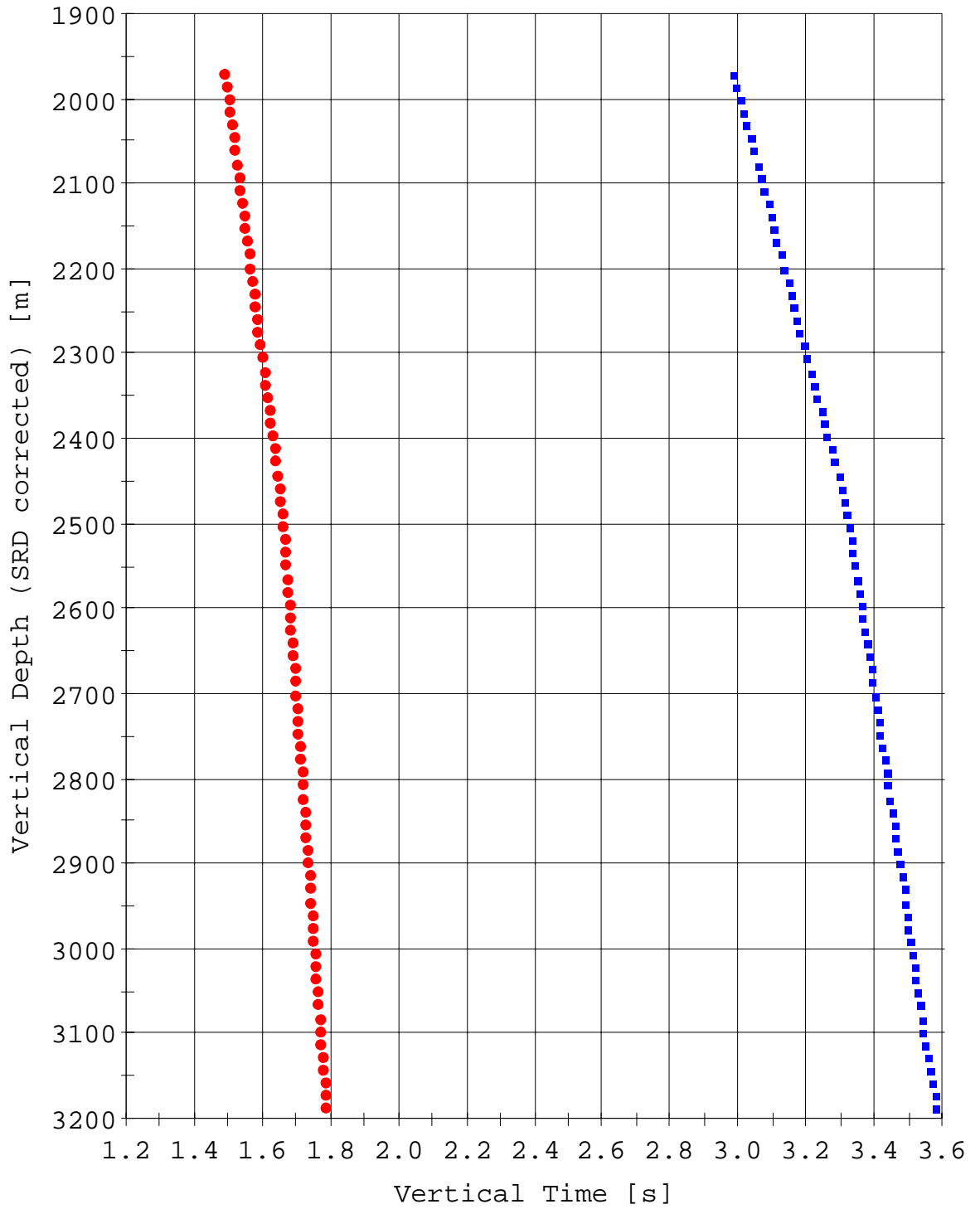
Geometry Infomation (X-Z)



Geometry Infomation (Y-Z)

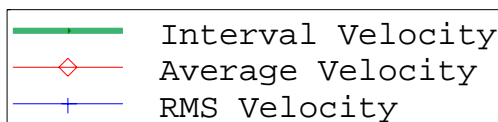
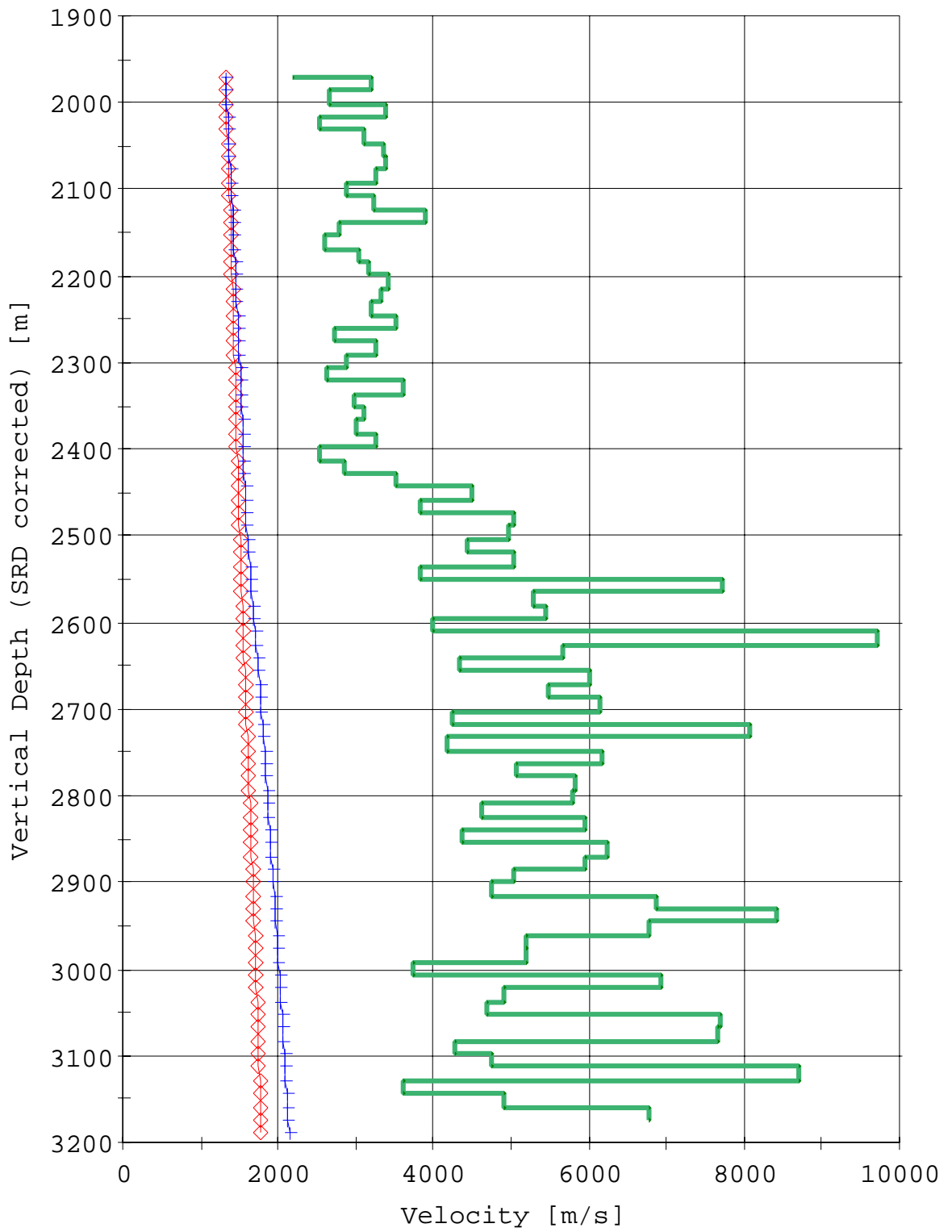



Time Depth Plot

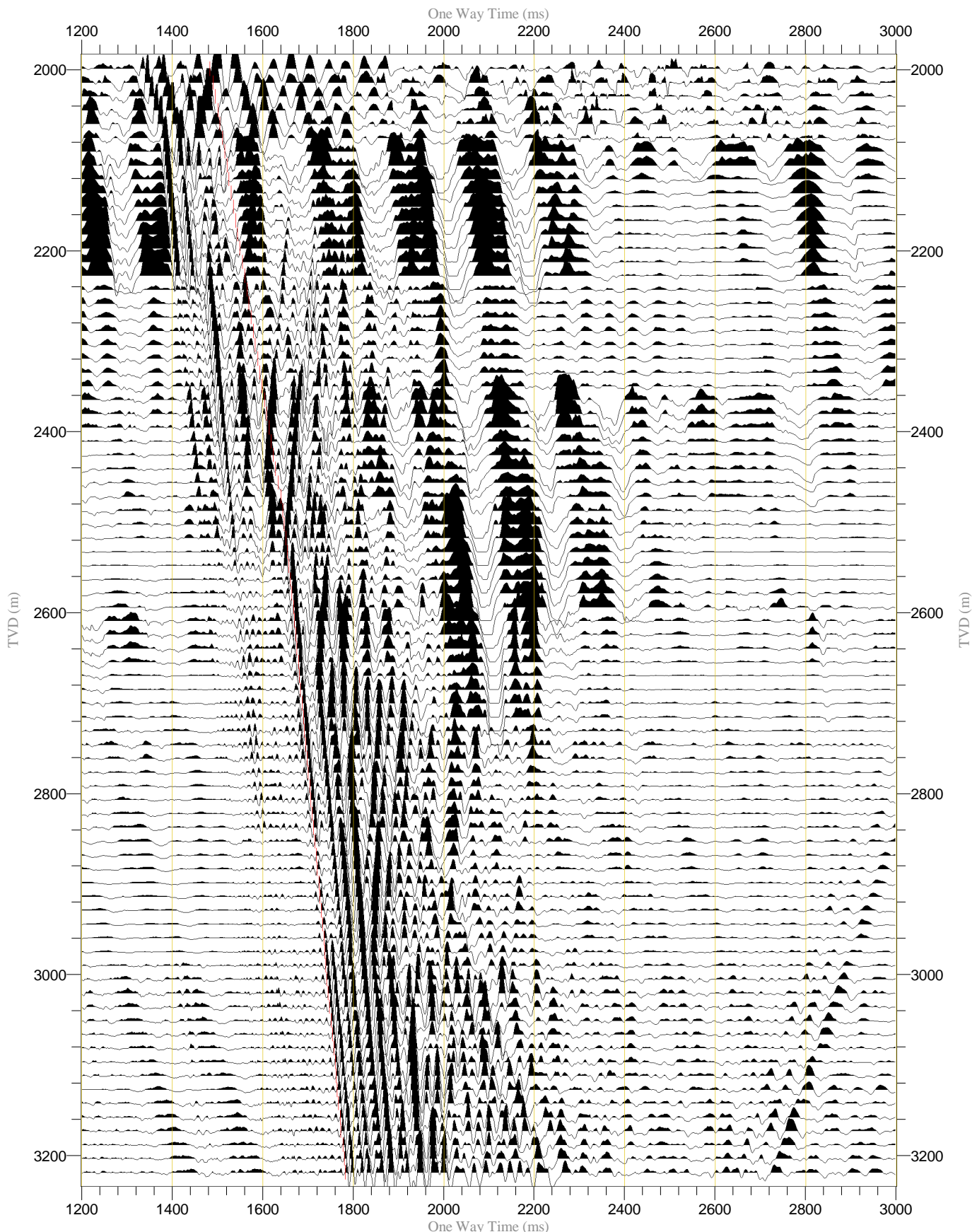



● One-way Vertical Time
■ Two-way Vertical Time

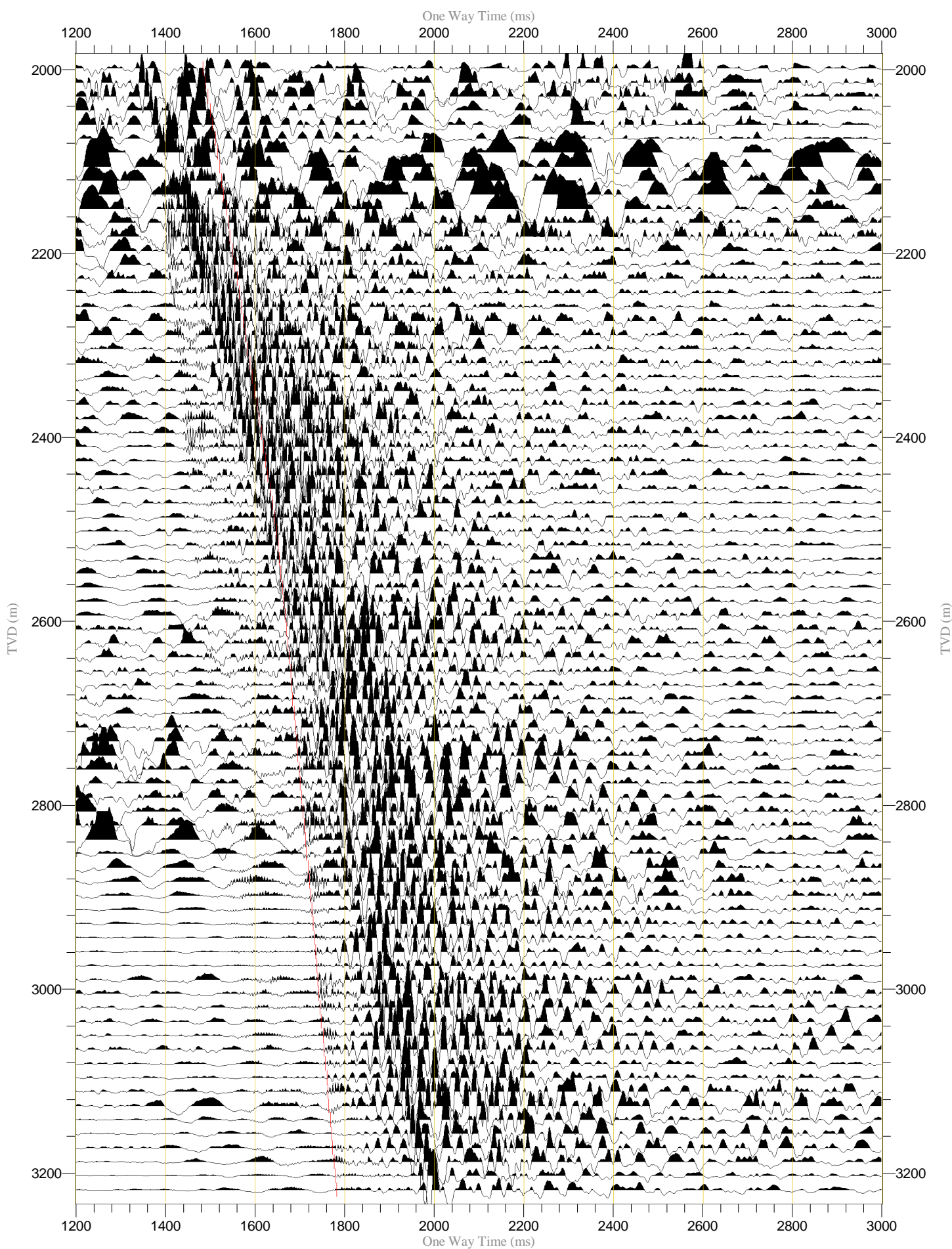
Velocity Plot



Raw Stack (Z)	Normalization Trace by Trace (250%) Polarity Normal One Way Time (ms) Scaling 8.5 cm/sec, 1/5910	
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Raw Stack (X)	Normalization Trace by Trace (250%) Polarity Normal One Way Time (ms) Scaling 9.0 cm/sec, 1/5400	
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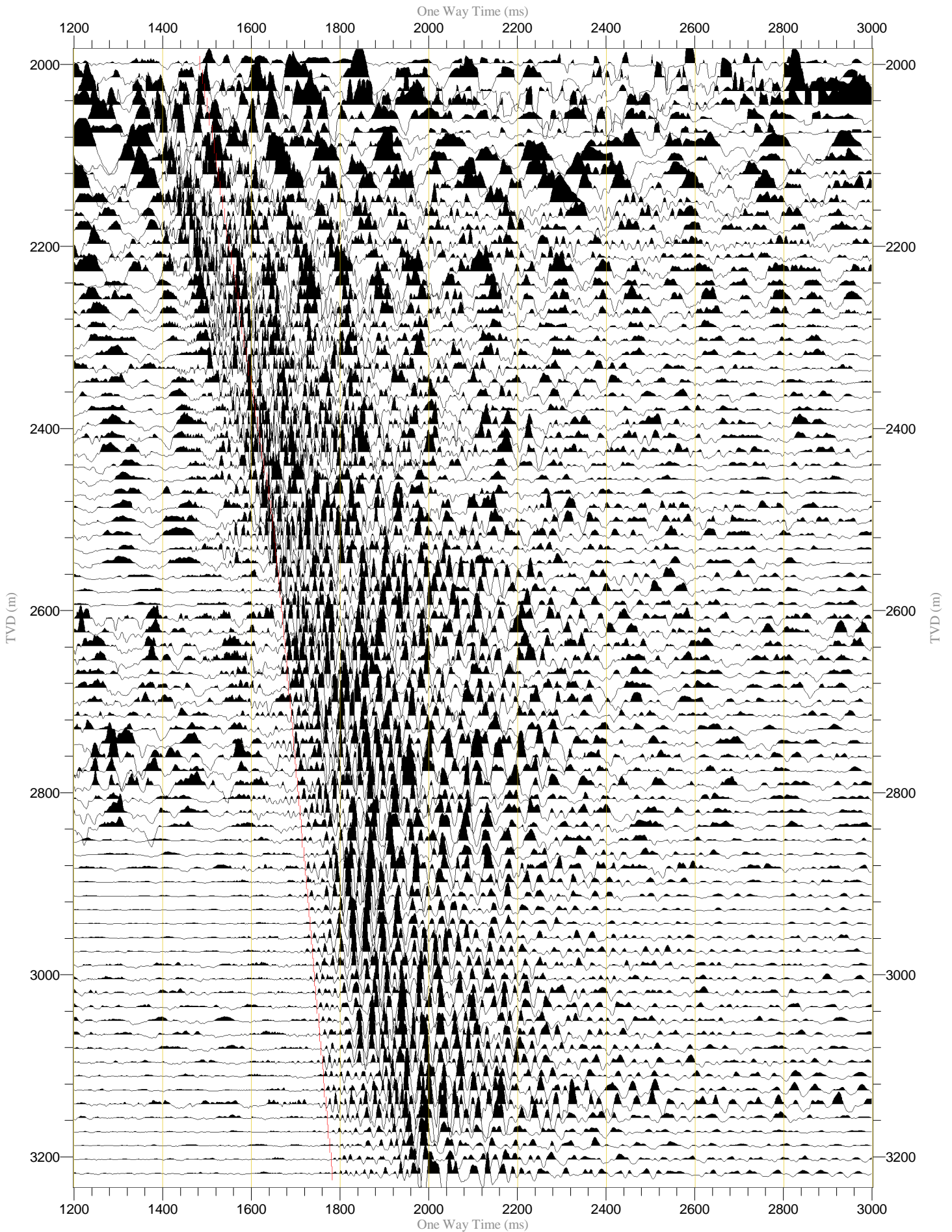
Raw Stack (Y)

Normalization Trace by Trace (250%)

Polarity Normal

One Way Time (ms)

Scaling 9.0 cm/sec, 1/5400



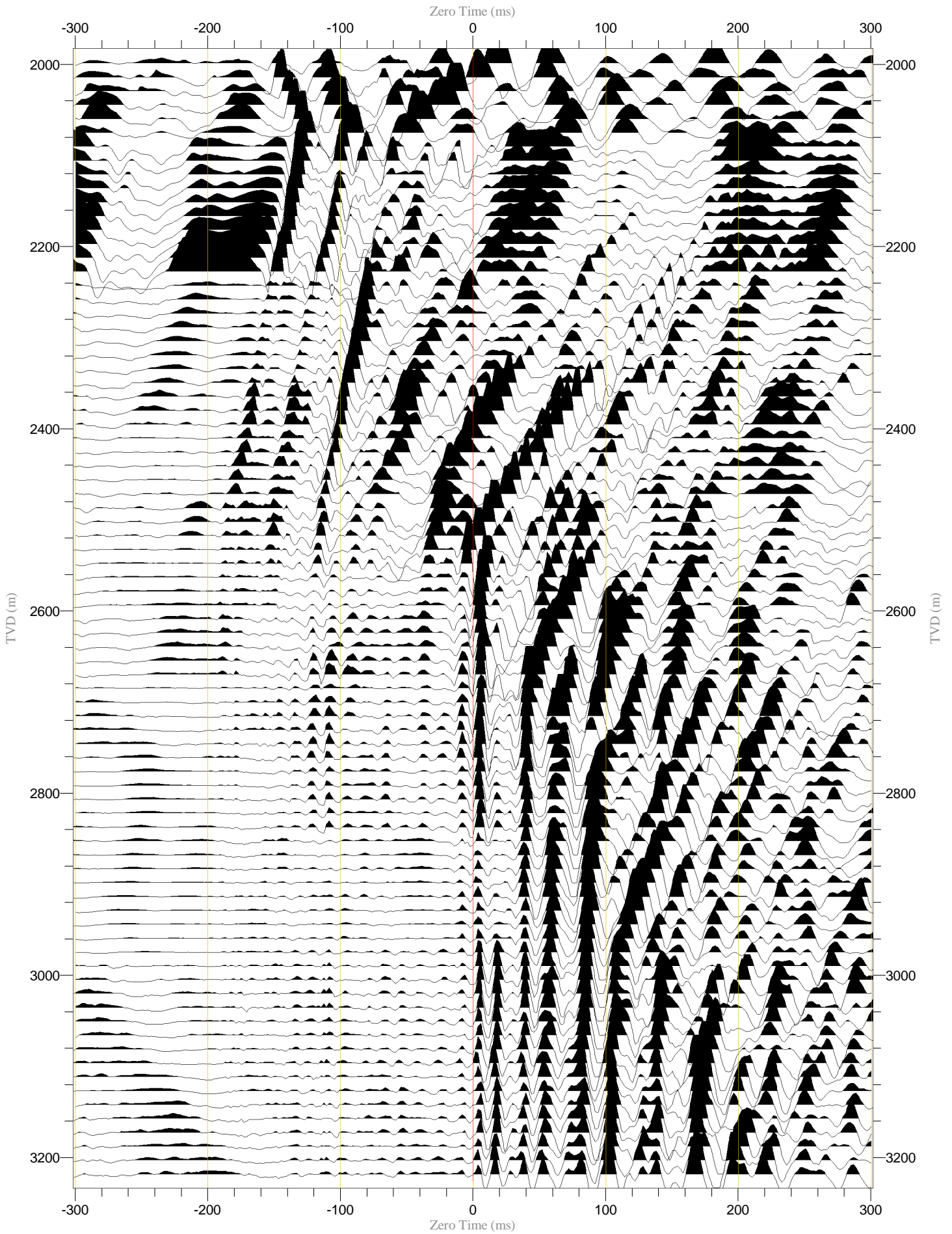
Raw Stack (Z) (Magnified)

Normalization Trace by Trace (250%)

Polarity Normal

Zero Time (ms)

Scaling 27.0 cm/sec, 1/5400



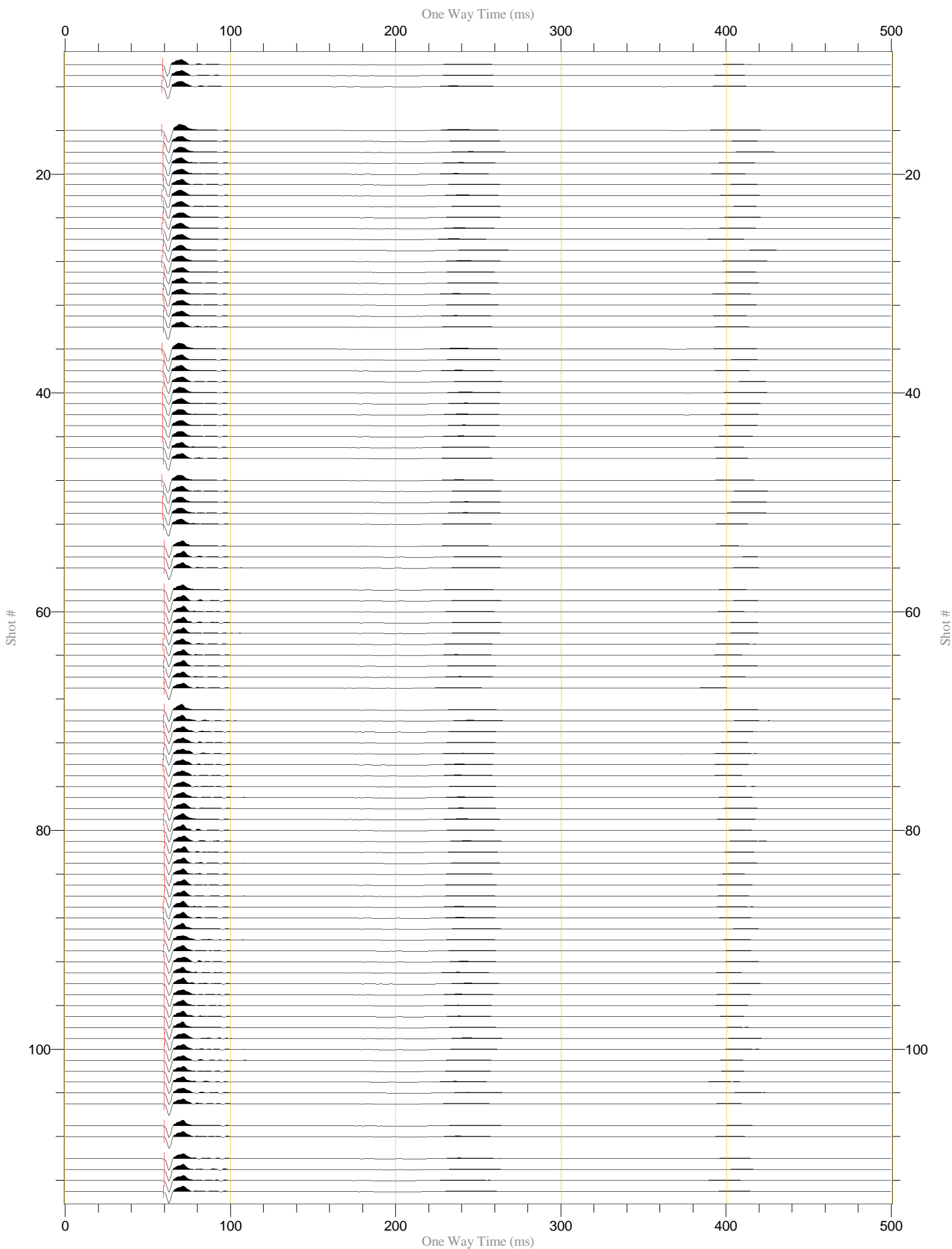
Source Sensor Signature

Normalization Trace by Trace (100%)

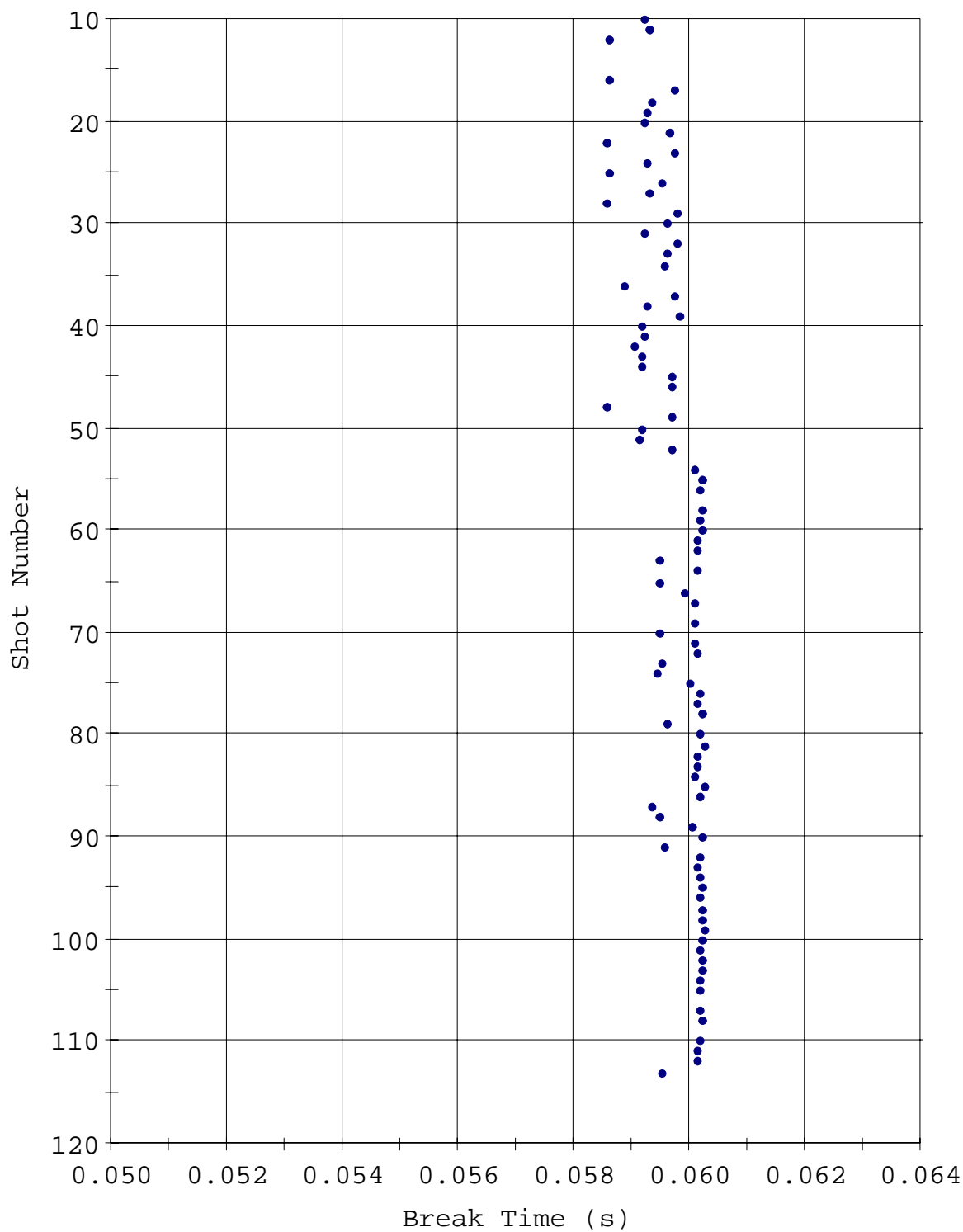
Polarity Normal

One Way Time (ms)

Scaling 33.24 cm/sec, 4.55/cm

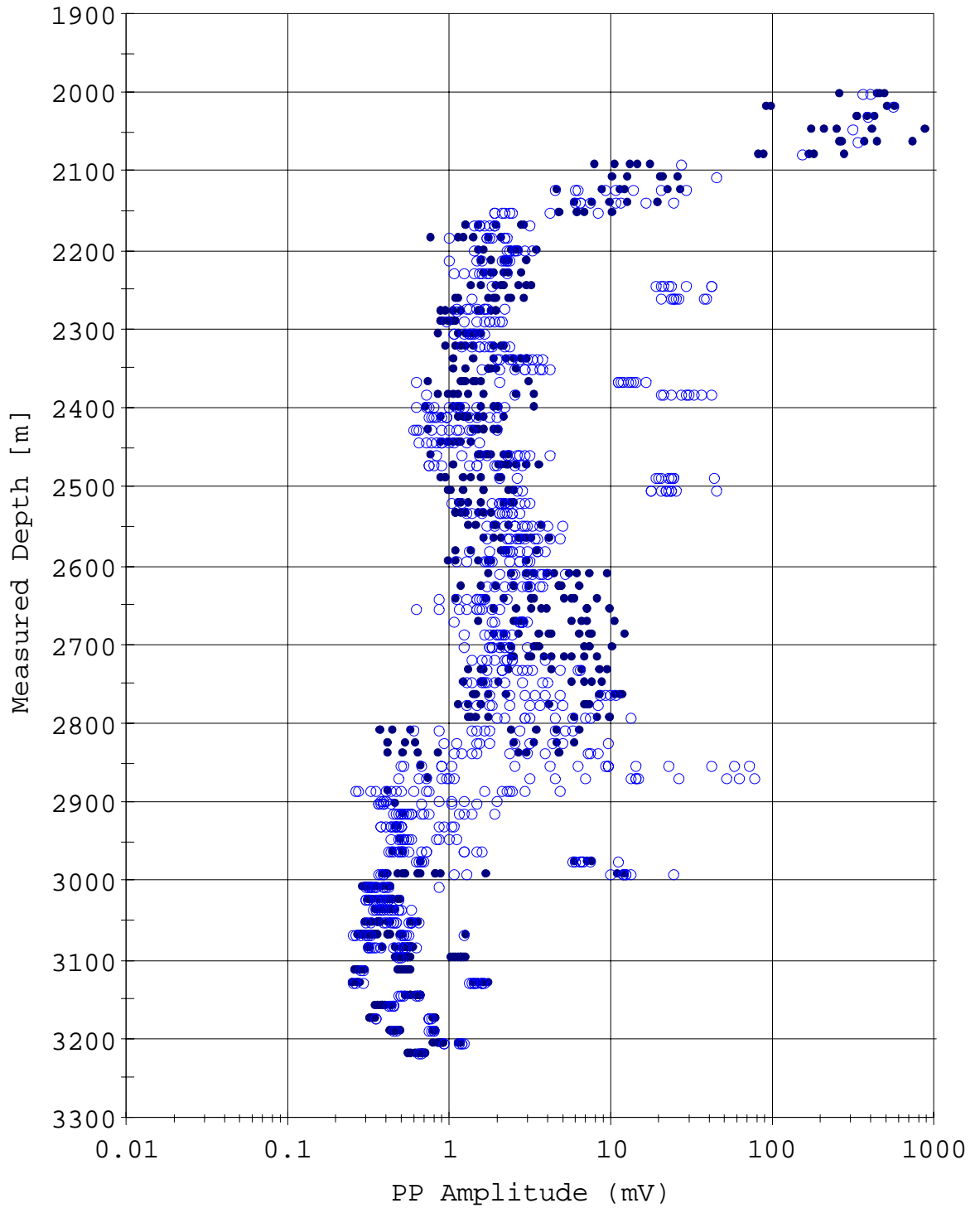


Surface Sensor QC Plot Page



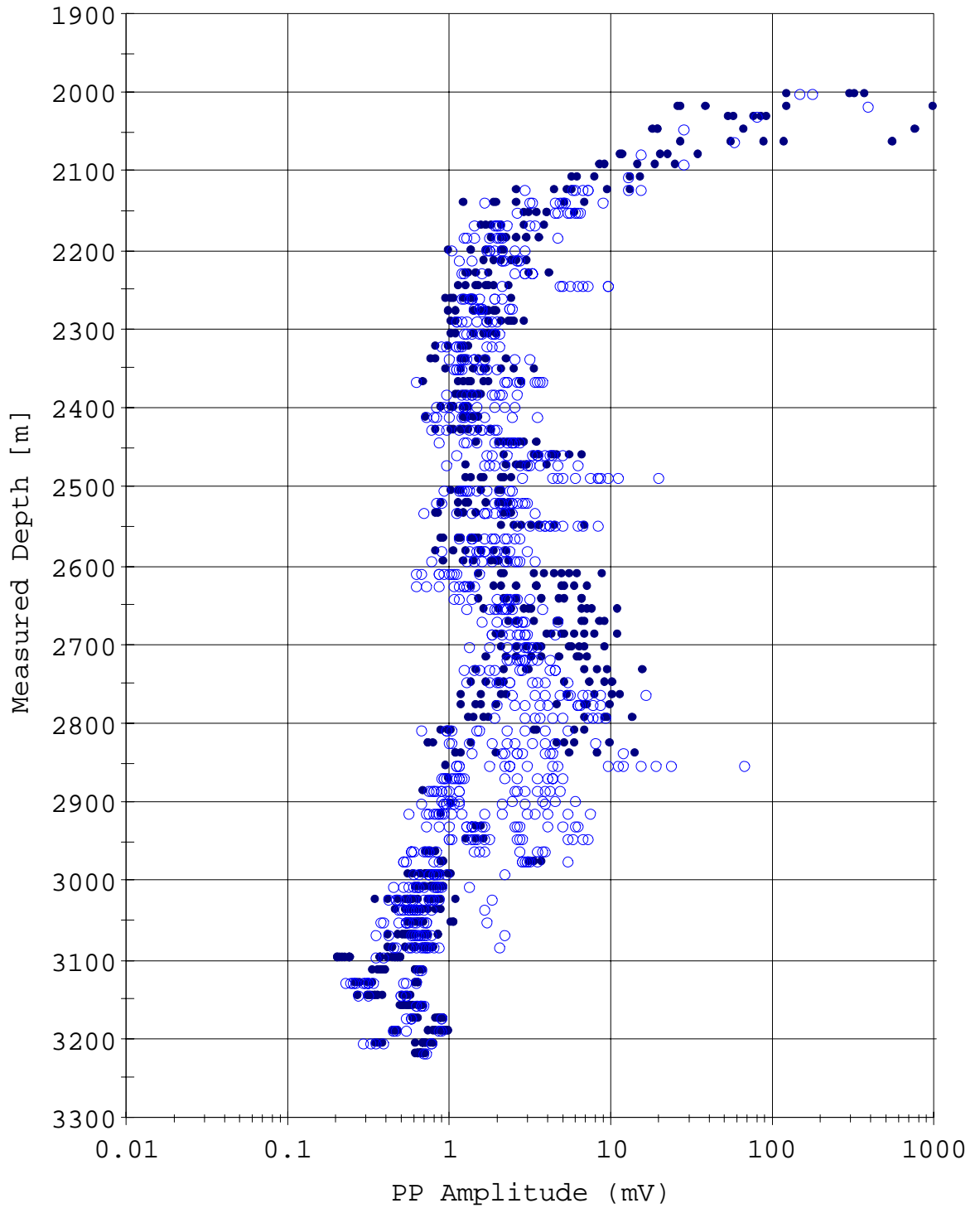
• Surface Sensor Break Time

Peak To Peak Plot (X)



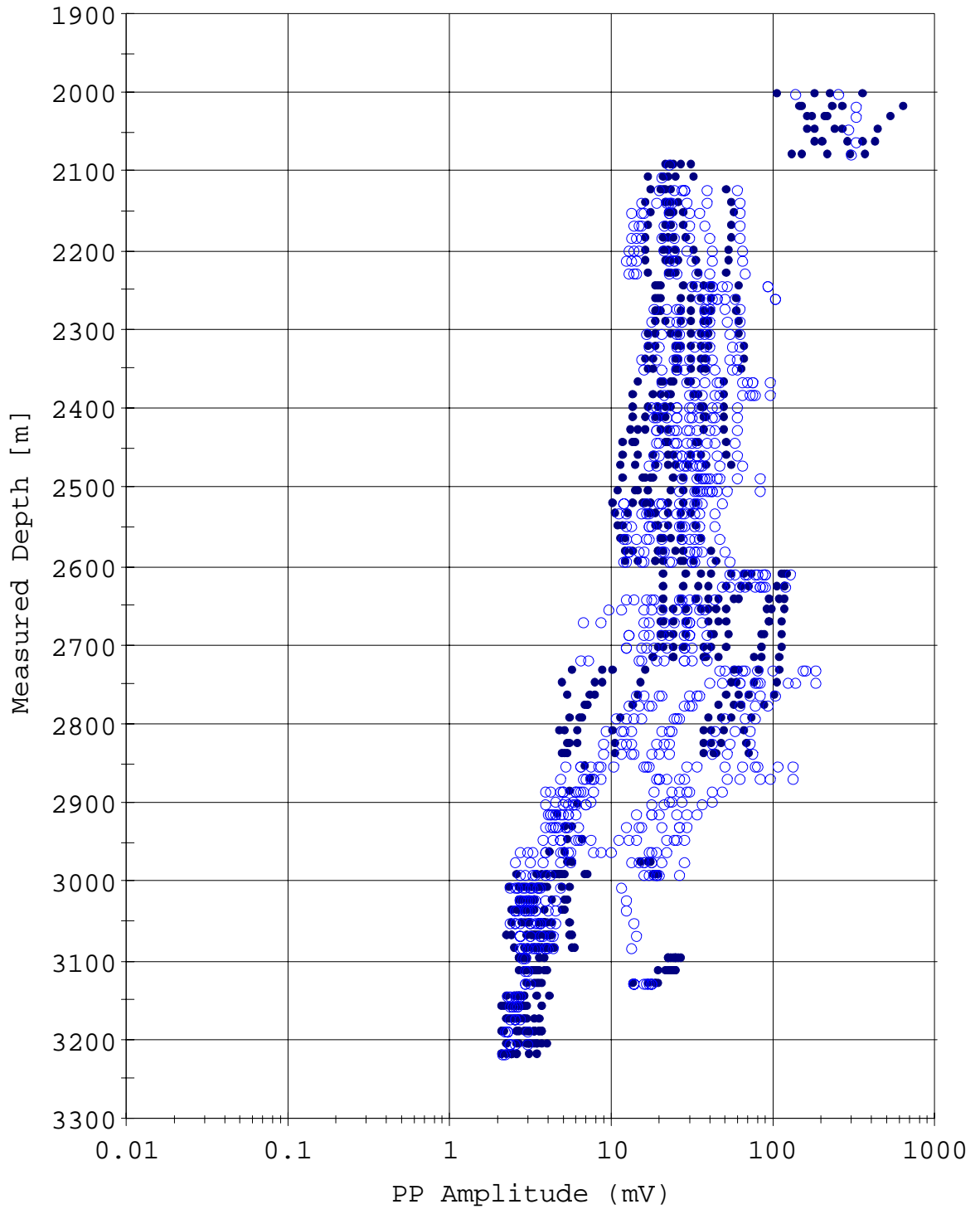
- PP Amplitude (mV) accepted for stack
- PP Amplitude (mV) rejected

Peak To Peak Plot (Y)



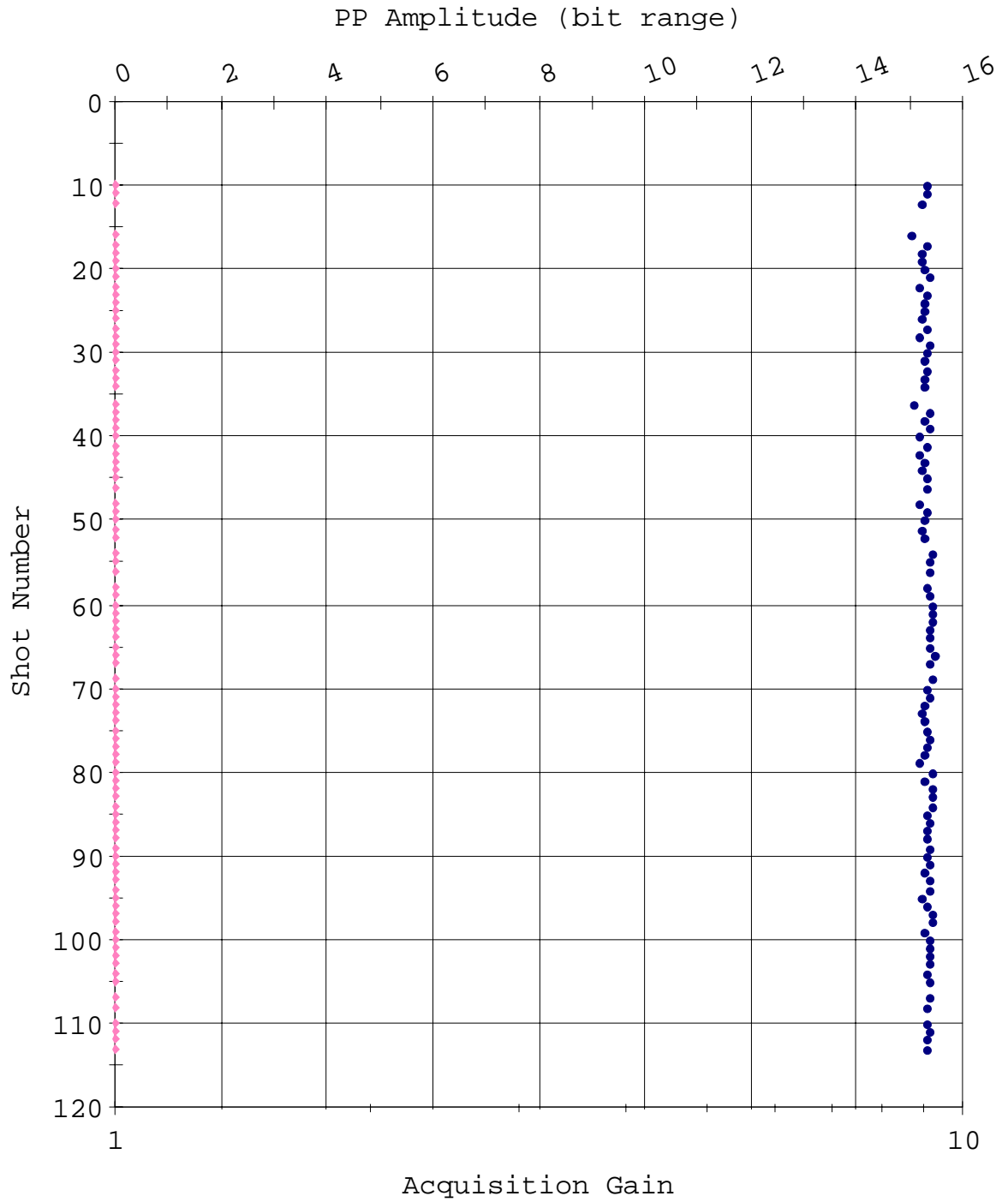
- PP Amplitude (mV) accepted for stack
- PP Amplitude (mV) rejected

Peak To Peak Plot (Z)



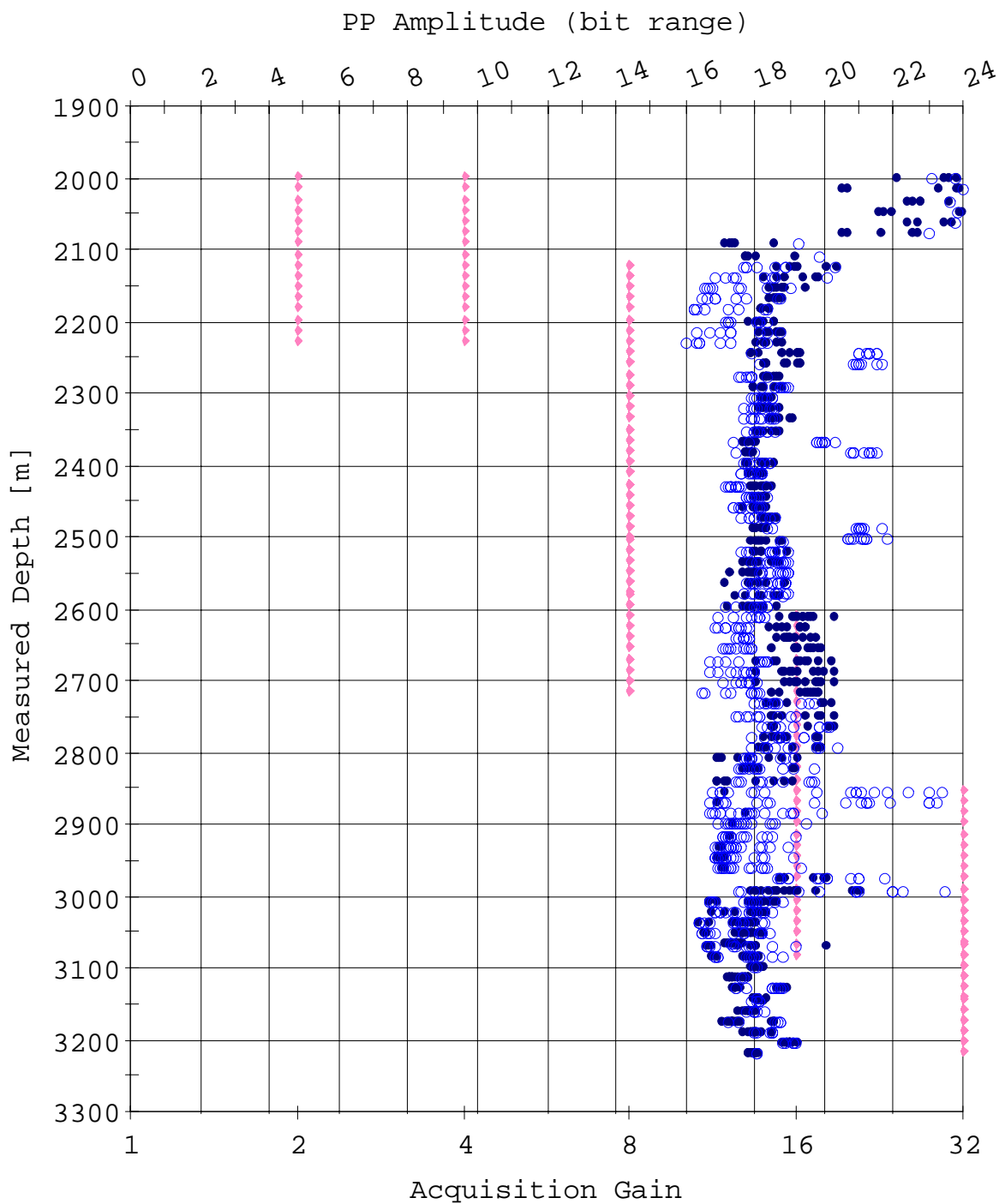
- PP Amplitude (mV) accepted for stack
- PP Amplitude (mV) rejected

Amplitude QC Plot (Surface)



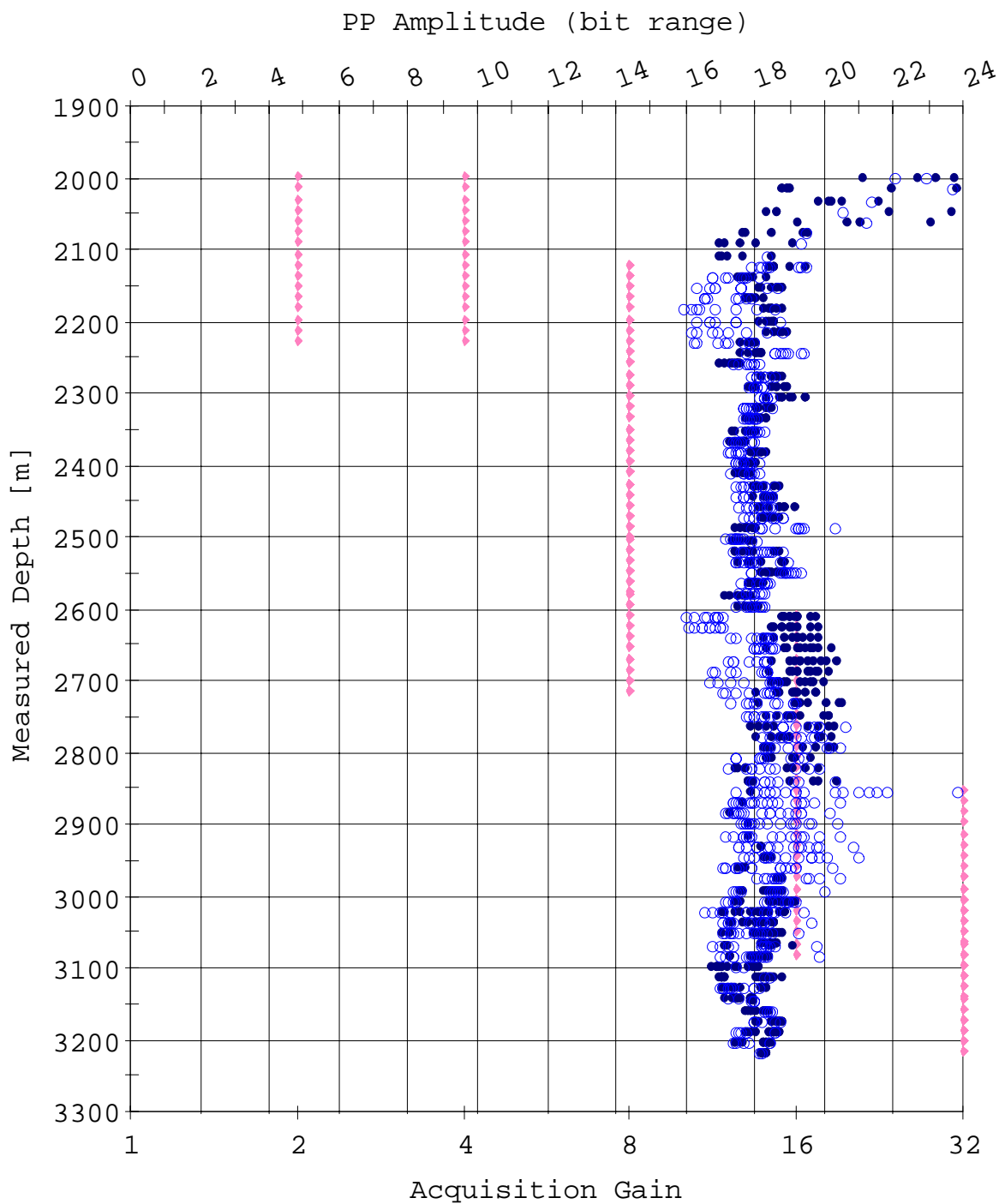
- PP Amplitude (bit range) accepted for stack
- PP Amplitude (bit range) rejected
- ◆ Acquisition Gain

Amplitude QC Plot (X)



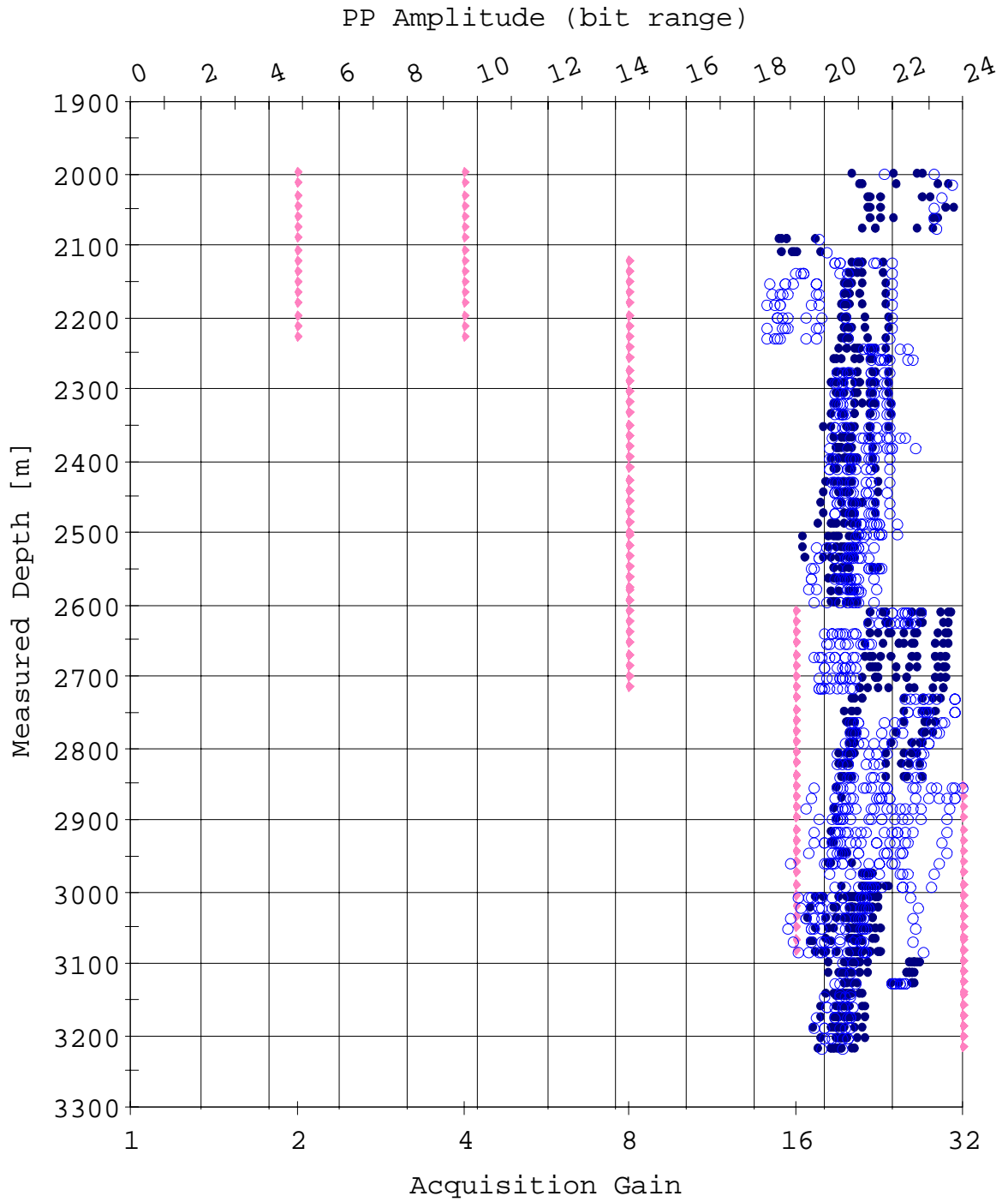
- PP Amplitude (bit range) accepted for stack
- PP Amplitude (bit range) rejected
- ◆ Acquisition Gain

Amplitude QC Plot (Y)



- PP Amplitude (bit range) accepted for stack
- PP Amplitude (bit range) rejected
- ◆ Acquisition Gain

Amplitude QC Plot (Z)



- PP Amplitude (bit range) accepted for stack
- PP Amplitude (bit range) rejected
- ◆ Acquisition Gain

Observer's Note (1/2)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Source	Remarks
3217.8	07:54:10	NOTO	1		A	
3217.8	07:54:33	NOTO	2		A	
3217.8	07:54:56	NOTO	3		A	
3217.8	07:55:19	NOTO	4		A	
3217.8	07:55:42	NOTO	5		A	
3217.8	07:56:06	NOTO	6		A	
3217.8	07:56:29	NOTO	7		A	
3217.8	07:56:52	NOTO	8		A	
3217.8	07:57:20	NOTO	9		A	
3217.8	07:57:54	SHOT	10	1	A	
3217.8	07:58:17	SHOT	11	1	A	
3217.8	07:58:42	SHOT	12	1	A	
3217.8	08:02:12	SHAK	13			
3217.8	08:03:17	BKGD	14			
3217.8	08:04:23	BKGD	15			
3217.8	08:11:52	SHOT	16	2	A	
3217.8	08:12:33	SHOT	17	2	A	
3217.8	08:16:15	SHOT	18	3	A	
3217.8	08:16:38	SHOT	19	3	A	
3217.8	08:17:01	SHOT	20	3	A	
3217.8	08:17:24	SHOT	21	3	A	
3217.8	08:17:47	SHOT	22	3	A	
3217.8	08:18:11	SHOT	23	3	A	
3217.8	08:18:34	SHOT	24	3	A	
3217.8	08:18:57	SHOT	25	3	A	
3217.8	08:19:20	SHOT	26	3	A	
3202.9	08:31:53	SHOT	27	4	A	
3202.9	08:32:16	SHOT	28	4	A	
3202.9	08:32:39	SHOT	29	4	A	
3202.9	08:33:03	SHOT	30	4	A	
3202.9	08:33:26	SHOT	31	4	A	
3202.9	08:33:49	SHOT	32	4	A	
3202.9	08:34:12	SHOT	33	4	A	
3202.9	08:34:35	SHOT	34	4	A	
3081.0	08:49:51	SHOT	36	5	A	
3081.0	08:50:14	SHOT	37	5	A	
3081.0	08:50:37	SHOT	38	5	A	
3081.0	08:51:00	SHOT	39	5	A	
3081.0	08:51:31	SHOT	40	5	A	
3081.0	08:51:54	SHOT	41	5	A	
3081.0	08:52:17	SHOT	42	5	A	
3081.0	08:52:40	SHOT	43	5	A	
3081.0	08:53:03	SHOT	44	5	A	
3081.0	08:53:26	SHOT	45	5	A	
3081.0	08:53:49	SHOT	46	5	A	
2958.9	09:07:19	SHOT	48	6	A	
2958.9	09:07:42	SHOT	49	6	A	
2958.9	09:08:05	SHOT	50	6	A	
2958.9	09:08:28	SHOT	51	6	A	
2958.9	09:08:51	SHOT	52	6	A	
2958.9	09:09:45	SHOT	54	6	A	
2958.9	09:10:09	SHOT	55	6	A	
2958.9	09:10:32	SHOT	56	6	A	
2837.0	09:24:25	SHAK	57			
2837.0	09:25:03	SHOT	58	7	A	
2837.0	09:25:26	SHOT	59	7	A	
2837.0	09:25:50	SHOT	60	7	A	
2837.0	09:26:13	SHOT	61	7	A	
2837.0	09:26:36	SHOT	62	7	A	

Observer's Note (2/2)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Source	Remarks
2837.0	09:26:59	SHOT	63	7	A	

2837.0	09:27:22	SHOT	64	7	A
2837.0	09:27:45	SHOT	65	7	A
2837.0	09:28:08	SHOT	66	7	A
2837.0	09:28:31	SHOT	67	7	A
2715.4	09:56:05	SHOT	69	8	A
2715.4	09:56:28	SHOT	70	8	A
2715.4	09:56:51	SHOT	71	8	A
2715.4	09:57:14	SHOT	72	8	A
2715.4	09:57:37	SHOT	73	8	A
2715.4	09:58:00	SHOT	74	8	A
2715.4	09:58:23	SHOT	75	8	A
2715.4	09:58:46	SHOT	76	8	A
2715.4	09:59:09	SHOT	77	8	A
2715.4	09:59:32	SHOT	78	8	A
2593.2	10:16:58	SHOT	79	9	A
2593.2	10:17:21	SHOT	80	9	A
2593.2	10:17:44	SHOT	81	9	A
2593.2	10:18:07	SHOT	82	9	A
2593.2	10:18:30	SHOT	83	9	A
2593.2	10:18:53	SHOT	84	9	A
2593.2	10:19:16	SHOT	85	9	A
2593.2	10:19:39	SHOT	86	9	A
2593.2	10:20:02	SHOT	87	9	A
2593.2	10:20:25	SHOT	88	9	A
2471.4	10:33:48	SHOT	89	10	A
2471.4	10:34:11	SHOT	90	10	A
2471.4	10:34:34	SHOT	91	10	A
2471.4	10:34:57	SHOT	92	10	A
2471.4	10:35:20	SHOT	93	10	A
2471.4	10:35:43	SHOT	94	10	A
2471.4	10:36:06	SHOT	95	10	A
2471.4	10:36:29	SHOT	96	10	A
2471.4	10:36:52	SHOT	97	10	A
2349.4	10:51:11	SHOT	98	11	A
2349.4	10:51:34	SHOT	99	11	A
2349.4	10:51:57	SHOT	100	11	A
2349.4	10:52:20	SHOT	101	11	A
2349.4	10:52:43	SHOT	102	11	A
2349.4	10:53:06	SHOT	103	11	A
2349.4	10:53:29	SHOT	104	11	A
2349.4	10:53:52	SHOT	105	11	A
2227.4	11:08:31	SHOT	107	12	A
2227.4	11:08:54	SHOT	108	12	A
2227.4	11:09:40	SHOT	110	12	A
2227.4	11:10:04	SHOT	111	12	A
2227.4	11:10:27	SHOT	112	12	A
2227.4	11:10:50	SHOT	113	12	A

VSI Seismic Evaluation Report							
ELECTRICAL NOISE LOW TEST							
2009/07/25 03:56:01							
Shot No: 2				Station Depth: 3225.63 m			
Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
DC Offset	1	X	-25.3490	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	X	0.1246	micro V	-	0.5000	PASS
Noise Peak	1	X	0.5173	micro V	-	2.0000	PASS
DC Offset	1	Y	-25.3157	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Y	0.1209	micro V	-	0.5000	PASS
Noise Peak	1	Y	0.4764	micro V	-	2.0000	PASS
DC Offset	1	Z	-25.2091	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Z	0.1182	micro V	-	0.5000	PASS
Noise Peak	1	Z	0.3941	micro V	-	2.0000	PASS
DC Offset	2	X	-25.3922	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	X	0.1247	micro V	-	0.5000	PASS
Noise Peak	2	X	0.4816	micro V	-	2.0000	PASS
DC Offset	2	Y	-25.3687	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Y	0.1260	micro V	-	0.5000	PASS
Noise Peak	2	Y	0.4206	micro V	-	2.0000	PASS
DC Offset	2	Z	-25.1635	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Z	0.1238	micro V	-	0.5000	PASS
Noise Peak	2	Z	0.4856	micro V	-	2.0000	PASS
DC Offset	3	X	-25.4024	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	X	0.1197	micro V	-	0.5000	PASS
Noise Peak	3	X	0.4410	micro V	-	2.0000	PASS
DC Offset	3	Y	-25.3700	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Y	0.1228	micro V	-	0.5000	PASS
Noise Peak	3	Y	0.4290	micro V	-	2.0000	PASS
DC Offset	3	Z	-25.4074	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Z	0.1232	micro V	-	0.5000	PASS
Noise Peak	3	Z	0.4258	micro V	-	2.0000	PASS
DC Offset	4	X	-25.3413	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	X	0.1233	micro V	-	0.5000	PASS
Noise Peak	4	X	0.4150	micro V	-	2.0000	PASS
DC Offset	4	Y	-25.2874	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Y	0.1227	micro V	-	0.5000	PASS
Noise Peak	4	Y	0.4196	micro V	-	2.0000	PASS
DC Offset	4	Z	-25.2215	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Z	0.1240	micro V	-	0.5000	PASS
Noise Peak	4	Z	0.4789	micro V	-	2.0000	PASS
DC Offset	5	X	-25.3584	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	X	0.1229	micro V	-	0.5000	PASS
Noise Peak	5	X	0.4635	micro V	-	2.0000	PASS
DC Offset	5	Y	-25.2404	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Y	0.1238	micro V	-	0.5000	PASS
Noise Peak	5	Y	0.4048	micro V	-	2.0000	PASS
DC Offset	5	Z	-25.2869	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Z	0.1219	micro V	-	0.5000	PASS
Noise Peak	5	Z	0.4678	micro V	-	2.0000	PASS
DC Offset	6	X	-25.3034	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	X	0.1220	micro V	-	0.5000	PASS
Noise Peak	6	X	0.4502	micro V	-	2.0000	PASS
DC Offset	6	Y	-25.1695	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Y	0.1214	micro V	-	0.5000	PASS
Noise Peak	6	Y	0.4833	micro V	-	2.0000	PASS
DC Offset	6	Z	-25.1741	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Z	0.1226	micro V	-	0.5000	PASS
Noise Peak	6	Z	0.4494	micro V	-	2.0000	PASS
DC Offset	7	X	-25.2443	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	X	0.1291	micro V	-	0.5000	PASS
Noise Peak	7	X	0.4529	micro V	-	2.0000	PASS
DC Offset	7	Y	-25.2941	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Y	0.1210	micro V	-	0.5000	PASS
Noise Peak	7	Y	0.4474	micro V	-	2.0000	PASS
DC Offset	7	Z	-25.2497	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Z	0.1252	micro V	-	0.5000	PASS

Noise Peak	7	Z	0.4398	micro V	-	2.0000	PASS
DC Offset	8	X	-25.3154	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	X	0.1227	micro V	-	0.5000	PASS
Noise Peak	8	X	0.4052	micro V	-	2.0000	PASS
DC Offset	8	Y	-25.3227	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Y	0.1223	micro V	-	0.5000	PASS
Noise Peak	8	Y	0.5023	micro V	-	2.0000	PASS
DC Offset	8	Z	-25.2736	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Z	0.1239	micro V	-	0.5000	PASS
Noise Peak	8	Z	0.5244	micro V	-	2.0000	PASS
DC Offset	9	X	-25.4855	milli V	-100.0000	100.0000	PASS
RMS Noise Level	9	X	0.1242	micro V	-	0.5000	PASS
Noise Peak	9	X	0.4579	micro V	-	2.0000	PASS
DC Offset	9	Y	-25.3978	milli V	-100.0000	100.0000	PASS
RMS Noise Level	9	Y	0.1201	micro V	-	0.5000	PASS
Noise Peak	9	Y	0.4465	micro V	-	2.0000	PASS
DC Offset	9	Z	-25.3588	milli V	-100.0000	100.0000	PASS
RMS Noise Level	9	Z	0.1214	micro V	-	0.5000	PASS
Noise Peak	9	Z	0.4694	micro V	-	2.0000	PASS
DC Offset	10	X	-25.5206	milli V	-100.0000	100.0000	PASS
RMS Noise Level	10	X	0.1242	micro V	-	0.5000	PASS
Noise Peak	10	X	0.4517	micro V	-	2.0000	PASS
DC Offset	10	Y	-25.4217	milli V	-100.0000	100.0000	PASS
RMS Noise Level	10	Y	0.1249	micro V	-	0.5000	PASS
Noise Peak	10	Y	0.4569	micro V	-	2.0000	PASS
DC Offset	10	Z	-25.1310	milli V	-100.0000	100.0000	PASS
RMS Noise Level	10	Z	0.1206	micro V	-	0.5000	PASS
Noise Peak	10	Z	0.4241	micro V	-	2.0000	PASS
DC Offset	11	X	-25.3771	milli V	-100.0000	100.0000	PASS
RMS Noise Level	11	X	0.1232	micro V	-	0.5000	PASS
Noise Peak	11	X	0.4328	micro V	-	2.0000	PASS
DC Offset	11	Y	-25.4340	milli V	-100.0000	100.0000	PASS
RMS Noise Level	11	Y	0.1284	micro V	-	0.5000	PASS
Noise Peak	11	Y	0.4509	micro V	-	2.0000	PASS
DC Offset	11	Z	-25.4300	milli V	-100.0000	100.0000	PASS
RMS Noise Level	11	Z	0.1220	micro V	-	0.5000	PASS
Noise Peak	11	Z	0.4614	micro V	-	2.0000	PASS
DC Offset	12	X	-25.4119	milli V	-100.0000	100.0000	PASS
RMS Noise Level	12	X	0.1250	micro V	-	0.5000	PASS
Noise Peak	12	X	0.4367	micro V	-	2.0000	PASS
DC Offset	12	Y	-25.3157	milli V	-100.0000	100.0000	PASS
RMS Noise Level	12	Y	0.1221	micro V	-	0.5000	PASS
Noise Peak	12	Y	0.4628	micro V	-	2.0000	PASS
DC Offset	12	Z	-25.4274	milli V	-100.0000	100.0000	PASS
RMS Noise Level	12	Z	0.1230	micro V	-	0.5000	PASS
Noise Peak	12	Z	0.4276	micro V	-	2.0000	PASS
DC Offset	13	X	-25.4149	milli V	-100.0000	100.0000	PASS
RMS Noise Level	13	X	0.1226	micro V	-	0.5000	PASS
Noise Peak	13	X	0.4568	micro V	-	2.0000	PASS
DC Offset	13	Y	-25.4584	milli V	-100.0000	100.0000	PASS
RMS Noise Level	13	Y	0.1245	micro V	-	0.5000	PASS
Noise Peak	13	Y	0.4314	micro V	-	2.0000	PASS
DC Offset	13	Z	-25.3189	milli V	-100.0000	100.0000	PASS
RMS Noise Level	13	Z	0.1205	micro V	-	0.5000	PASS
Noise Peak	13	Z	0.5492	micro V	-	2.0000	PASS
DC Offset	14	X	-25.5182	milli V	-100.0000	100.0000	PASS
RMS Noise Level	14	X	0.1211	micro V	-	0.5000	PASS
Noise Peak	14	X	0.4801	micro V	-	2.0000	PASS
DC Offset	14	Y	-25.4363	milli V	-100.0000	100.0000	PASS
RMS Noise Level	14	Y	0.1195	micro V	-	0.5000	PASS
Noise Peak	14	Y	0.4393	micro V	-	2.0000	PASS
DC Offset	14	Z	-25.2992	milli V	-100.0000	100.0000	PASS
RMS Noise Level	14	Z	0.1226	micro V	-	0.5000	PASS
Noise Peak	14	Z	0.4232	micro V	-	2.0000	PASS
DC Offset	15	X	-25.4852	milli V	-100.0000	100.0000	PASS
RMS Noise Level	15	X	0.1209	micro V	-	0.5000	PASS
Noise Peak	15	X	0.4318	micro V	-	2.0000	PASS
DC Offset	15	Y	-25.4694	milli V	-100.0000	100.0000	PASS

RMS Noise Level	15	Y	0.1221	micro V	-	0.5000	PASS
Noise Peak	15	Y	0.4202	micro V	-	2.0000	PASS
DC Offset	15	Z	-25.3784	milli V	-100.0000	100.0000	PASS
RMS Noise Level	15	Z	0.1216	micro V	-	0.5000	PASS
Noise Peak	15	Z	0.4551	micro V	-	2.0000	PASS
DC Offset	16	X	-25.4240	milli V	-100.0000	100.0000	PASS
RMS Noise Level	16	X	0.1197	micro V	-	0.5000	PASS
Noise Peak	16	X	0.4452	micro V	-	2.0000	PASS
DC Offset	16	Y	-25.4242	milli V	-100.0000	100.0000	PASS
RMS Noise Level	16	Y	0.1238	micro V	-	0.5000	PASS
Noise Peak	16	Y	0.4715	micro V	-	2.0000	PASS
DC Offset	16	Z	-25.3611	milli V	-100.0000	100.0000	PASS
RMS Noise Level	16	Z	0.1241	micro V	-	0.5000	PASS
Noise Peak	16	Z	0.4891	micro V	-	2.0000	PASS

ELECTRICAL NOISE HIGH TEST**2009/07/25 03:56:38****Shot No: 3****Station Depth: 3225.63 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
DC Offset	1	X	-25.0942	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	X	0.1239	micro V	-	0.5000	PASS
Noise Peak	1	X	0.4289	micro V	-	2.0000	PASS
DC Offset	1	Y	-25.2162	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Y	0.1195	micro V	-	0.5000	PASS
Noise Peak	1	Y	0.4445	micro V	-	2.0000	PASS
DC Offset	1	Z	-24.9568	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Z	0.1189	micro V	-	0.5000	PASS
Noise Peak	1	Z	0.4256	micro V	-	2.0000	PASS
DC Offset	2	X	-25.4483	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	X	0.1183	micro V	-	0.5000	PASS
Noise Peak	2	X	0.4269	micro V	-	2.0000	PASS
DC Offset	2	Y	-25.0698	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Y	0.1205	micro V	-	0.5000	PASS
Noise Peak	2	Y	0.4047	micro V	-	2.0000	PASS
DC Offset	2	Z	-25.0465	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Z	0.1207	micro V	-	0.5000	PASS
Noise Peak	2	Z	0.5533	micro V	-	2.0000	PASS
DC Offset	3	X	-25.6083	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	X	0.1239	micro V	-	0.5000	PASS
Noise Peak	3	X	0.4331	micro V	-	2.0000	PASS
DC Offset	3	Y	-25.1363	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Y	0.1223	micro V	-	0.5000	PASS
Noise Peak	3	Y	0.4233	micro V	-	2.0000	PASS
DC Offset	3	Z	-25.2677	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Z	0.1192	micro V	-	0.5000	PASS
Noise Peak	3	Z	0.4143	micro V	-	2.0000	PASS
DC Offset	4	X	-25.3668	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	X	0.1236	micro V	-	0.5000	PASS
Noise Peak	4	X	0.4904	micro V	-	2.0000	PASS
DC Offset	4	Y	-24.9790	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Y	0.1228	micro V	-	0.5000	PASS
Noise Peak	4	Y	0.4374	micro V	-	2.0000	PASS
DC Offset	4	Z	-25.0362	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Z	0.1216	micro V	-	0.5000	PASS
Noise Peak	4	Z	0.4854	micro V	-	2.0000	PASS
DC Offset	5	X	-25.1668	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	X	0.1242	micro V	-	0.5000	PASS
Noise Peak	5	X	0.4923	micro V	-	2.0000	PASS
DC Offset	5	Y	-24.9394	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Y	0.1214	micro V	-	0.5000	PASS
Noise Peak	5	Y	0.4775	micro V	-	2.0000	PASS
DC Offset	5	Z	-25.0615	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Z	0.1211	micro V	-	0.5000	PASS
Noise Peak	5	Z	0.4762	micro V	-	2.0000	PASS
DC Offset	6	X	-24.9313	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	X	0.1216	micro V	-	0.5000	PASS
Noise Peak	6	X	0.4303	micro V	-	2.0000	PASS
DC Offset	6	Y	-24.9605	milli V	-100.0000	100.0000	PASS

RMS Noise Level	6	Y	0.1191	micro V	-	0.5000	PASS
Noise Peak	6	Y	0.4382	micro V	-	2.0000	PASS
DC Offset	6	Z	-24.8781	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Z	0.1222	micro V	-	0.5000	PASS
Noise Peak	6	Z	0.4989	micro V	-	2.0000	PASS
DC Offset	7	X	-24.9495	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	X	0.1182	micro V	-	0.5000	PASS
Noise Peak	7	X	0.4022	micro V	-	2.0000	PASS
DC Offset	7	Y	-25.3349	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Y	0.1190	micro V	-	0.5000	PASS
Noise Peak	7	Y	0.4421	micro V	-	2.0000	PASS
DC Offset	7	Z	-24.2423	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Z	0.1238	micro V	-	0.5000	PASS
Noise Peak	7	Z	0.5139	micro V	-	2.0000	PASS
DC Offset	8	X	-25.1660	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	X	0.1241	micro V	-	0.5000	PASS
Noise Peak	8	X	0.4324	micro V	-	2.0000	PASS
DC Offset	8	Y	-24.9595	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Y	0.1258	micro V	-	0.5000	PASS
Noise Peak	8	Y	0.5094	micro V	-	2.0000	PASS
DC Offset	8	Z	-24.8595	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Z	0.1237	micro V	-	0.5000	PASS
Noise Peak	8	Z	0.4536	micro V	-	2.0000	PASS
DC Offset	9	X	-25.3578	milli V	-100.0000	100.0000	PASS
RMS Noise Level	9	X	0.1236	micro V	-	0.5000	PASS
Noise Peak	9	X	0.4929	micro V	-	2.0000	PASS
DC Offset	9	Y	-25.1808	milli V	-100.0000	100.0000	PASS
RMS Noise Level	9	Y	0.1231	micro V	-	0.5000	PASS
Noise Peak	9	Y	0.4285	micro V	-	2.0000	PASS
DC Offset	9	Z	-25.6251	milli V	-100.0000	100.0000	PASS
RMS Noise Level	9	Z	0.1208	micro V	-	0.5000	PASS
Noise Peak	9	Z	0.5061	micro V	-	2.0000	PASS
DC Offset	10	X	-26.0055	milli V	-100.0000	100.0000	PASS
RMS Noise Level	10	X	0.1214	micro V	-	0.5000	PASS
Noise Peak	10	X	0.4306	micro V	-	2.0000	PASS
DC Offset	10	Y	-25.2246	milli V	-100.0000	100.0000	PASS
RMS Noise Level	10	Y	0.1240	micro V	-	0.5000	PASS
Noise Peak	10	Y	0.4940	micro V	-	2.0000	PASS
DC Offset	10	Z	-21.9778	milli V	-100.0000	100.0000	PASS
RMS Noise Level	10	Z	0.1226	micro V	-	0.5000	PASS
Noise Peak	10	Z	0.4982	micro V	-	2.0000	PASS
DC Offset	11	X	-24.9708	milli V	-100.0000	100.0000	PASS
RMS Noise Level	11	X	0.1186	micro V	-	0.5000	PASS
Noise Peak	11	X	0.3877	micro V	-	2.0000	PASS
DC Offset	11	Y	-25.3396	milli V	-100.0000	100.0000	PASS
RMS Noise Level	11	Y	0.1242	micro V	-	0.5000	PASS
Noise Peak	11	Y	0.4426	micro V	-	2.0000	PASS
DC Offset	11	Z	-25.4536	milli V	-100.0000	100.0000	PASS
RMS Noise Level	11	Z	0.1215	micro V	-	0.5000	PASS
Noise Peak	11	Z	0.4949	micro V	-	2.0000	PASS
DC Offset	12	X	-25.2299	milli V	-100.0000	100.0000	PASS
RMS Noise Level	12	X	0.1213	micro V	-	0.5000	PASS
Noise Peak	12	X	0.4172	micro V	-	2.0000	PASS
DC Offset	12	Y	-25.1567	milli V	-100.0000	100.0000	PASS
RMS Noise Level	12	Y	0.1211	micro V	-	0.5000	PASS
Noise Peak	12	Y	0.4608	micro V	-	2.0000	PASS
DC Offset	12	Z	-25.1580	milli V	-100.0000	100.0000	PASS
RMS Noise Level	12	Z	0.1237	micro V	-	0.5000	PASS
Noise Peak	12	Z	0.4527	micro V	-	2.0000	PASS
DC Offset	13	X	-24.9984	milli V	-100.0000	100.0000	PASS
RMS Noise Level	13	X	0.1224	micro V	-	0.5000	PASS
Noise Peak	13	X	0.4559	micro V	-	2.0000	PASS
DC Offset	13	Y	-25.2979	milli V	-100.0000	100.0000	PASS
RMS Noise Level	13	Y	0.1207	micro V	-	0.5000	PASS
Noise Peak	13	Y	0.4210	micro V	-	2.0000	PASS
DC Offset	13	Z	-25.2649	milli V	-100.0000	100.0000	PASS
RMS Noise Level	13	Z	0.1236	micro V	-	0.5000	PASS
Noise Peak	13	Z	0.4779	micro V	-	2.0000	PASS

DC Offset	14	X	-25.6468	milli V	-100.0000	100.0000	PASS
RMS Noise Level	14	X	0.1202	micro V	-	0.5000	PASS
Noise Peak	14	X	0.4376	micro V	-	2.0000	PASS
DC Offset	14	Y	-25.3037	milli V	-100.0000	100.0000	PASS
RMS Noise Level	14	Y	0.1177	micro V	-	0.5000	PASS
Noise Peak	14	Y	0.4353	micro V	-	2.0000	PASS
DC Offset	14	Z	-24.8854	milli V	-100.0000	100.0000	PASS
RMS Noise Level	14	Z	0.1228	micro V	-	0.5000	PASS
Noise Peak	14	Z	0.5128	micro V	-	2.0000	PASS
DC Offset	15	X	-25.1222	milli V	-100.0000	100.0000	PASS
RMS Noise Level	15	X	0.1198	micro V	-	0.5000	PASS
Noise Peak	15	X	0.4996	micro V	-	2.0000	PASS
DC Offset	15	Y	-25.1277	milli V	-100.0000	100.0000	PASS
RMS Noise Level	15	Y	0.1196	micro V	-	0.5000	PASS
Noise Peak	15	Y	0.4675	micro V	-	2.0000	PASS
DC Offset	15	Z	-25.2747	milli V	-100.0000	100.0000	PASS
RMS Noise Level	15	Z	0.1222	micro V	-	0.5000	PASS
Noise Peak	15	Z	0.4317	micro V	-	2.0000	PASS
DC Offset	16	X	-25.5594	milli V	-100.0000	100.0000	PASS
RMS Noise Level	16	X	0.1223	micro V	-	0.5000	PASS
Noise Peak	16	X	0.4157	micro V	-	2.0000	PASS
DC Offset	16	Y	-25.2195	milli V	-100.0000	100.0000	PASS
RMS Noise Level	16	Y	0.1245	micro V	-	0.5000	PASS
Noise Peak	16	Y	0.5048	micro V	-	2.0000	PASS
DC Offset	16	Z	-25.1114	milli V	-100.0000	100.0000	PASS
RMS Noise Level	16	Z	0.1212	micro V	-	0.5000	PASS
Noise Peak	16	Z	0.4136	micro V	-	2.0000	PASS

ELECTRICAL DISTORTION TEST

2009/07/25 03:56:59

Shot No: 4

Station Depth: 3225.63 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Total Harmonic Distortion	1	X	-108.1010	dB	-	-90.0000	PASS
Total Harmonic Distortion	1	Y	-106.0662	dB	-	-90.0000	PASS
Total Harmonic Distortion	1	Z	-106.2472	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	X	-103.2911	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	Y	-107.8969	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	Z	-104.5262	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	X	-96.6359	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	Y	-99.0206	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	Z	-97.5017	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	X	-106.2383	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	Y	-109.7863	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	Z	-106.5738	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	X	-103.9958	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	Y	-102.2285	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	Z	-103.6515	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	X	-107.0097	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	Y	-110.2724	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	Z	-100.9995	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	X	-109.7211	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	Y	-108.7476	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	Z	-110.0900	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	X	-107.9073	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	Y	-106.6811	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	Z	-105.3171	dB	-	-90.0000	PASS
Total Harmonic Distortion	9	X	-111.3876	dB	-	-90.0000	PASS
Total Harmonic Distortion	9	Y	-111.8486	dB	-	-90.0000	PASS
Total Harmonic Distortion	9	Z	-99.8204	dB	-	-90.0000	PASS
Total Harmonic Distortion	10	X	-107.3347	dB	-	-90.0000	PASS
Total Harmonic Distortion	10	Y	-106.2060	dB	-	-90.0000	PASS
Total Harmonic Distortion	10	Z	-107.4853	dB	-	-90.0000	PASS
Total Harmonic Distortion	11	X	-104.5319	dB	-	-90.0000	PASS
Total Harmonic Distortion	11	Y	-104.9985	dB	-	-90.0000	PASS
Total Harmonic Distortion	11	Z	-110.9605	dB	-	-90.0000	PASS
Total Harmonic Distortion	12	X	-104.8266	dB	-	-90.0000	PASS
Total Harmonic Distortion	12	Y	-104.0068	dB	-	-90.0000	PASS
Total Harmonic Distortion	12	Z	-104.7145	dB	-	-90.0000	PASS

Total Harmonic Distortion	13	X	-101.1393	dB	-	-90.0000	PASS
Total Harmonic Distortion	13	Y	-102.7910	dB	-	-90.0000	PASS
Total Harmonic Distortion	13	Z	-111.4495	dB	-	-90.0000	PASS
Total Harmonic Distortion	14	X	-102.9053	dB	-	-90.0000	PASS
Total Harmonic Distortion	14	Y	-99.6656	dB	-	-90.0000	PASS
Total Harmonic Distortion	14	Z	-103.3689	dB	-	-90.0000	PASS
Total Harmonic Distortion	15	X	-103.5116	dB	-	-90.0000	PASS
Total Harmonic Distortion	15	Y	-104.6213	dB	-	-90.0000	PASS
Total Harmonic Distortion	15	Z	-106.2221	dB	-	-90.0000	PASS
Total Harmonic Distortion	16	X	-101.4930	dB	-	-90.0000	PASS
Total Harmonic Distortion	16	Y	-100.9064	dB	-	-90.0000	PASS
Total Harmonic Distortion	16	Z	-102.9004	dB	-	-90.0000	PASS

SYSTEM DYNAMIC RANGE TEST

2009/07/25 03:57:27

Shot No: 5

Station Depth: 3225.63 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
System Dynamic Range	1	X	107.0462	dB	103.0000	-	PASS
System Dynamic Range	1	Y	107.0038	dB	103.0000	-	PASS
System Dynamic Range	1	Z	106.8549	dB	103.0000	-	PASS
System Dynamic Range	2	X	106.1207	dB	103.0000	-	PASS
System Dynamic Range	2	Y	106.3225	dB	103.0000	-	PASS
System Dynamic Range	2	Z	106.4091	dB	103.0000	-	PASS
System Dynamic Range	3	X	107.9894	dB	103.0000	-	PASS
System Dynamic Range	3	Y	107.6319	dB	103.0000	-	PASS
System Dynamic Range	3	Z	107.4142	dB	103.0000	-	PASS
System Dynamic Range	4	X	107.2857	dB	103.0000	-	PASS
System Dynamic Range	4	Y	107.3519	dB	103.0000	-	PASS
System Dynamic Range	4	Z	107.3683	dB	103.0000	-	PASS
System Dynamic Range	5	X	107.2731	dB	103.0000	-	PASS
System Dynamic Range	5	Y	107.4824	dB	103.0000	-	PASS
System Dynamic Range	5	Z	107.1035	dB	103.0000	-	PASS
System Dynamic Range	6	X	108.0416	dB	103.0000	-	PASS
System Dynamic Range	6	Y	107.8650	dB	103.0000	-	PASS
System Dynamic Range	6	Z	107.7080	dB	103.0000	-	PASS
System Dynamic Range	7	X	106.8068	dB	103.0000	-	PASS
System Dynamic Range	7	Y	106.4708	dB	103.0000	-	PASS
System Dynamic Range	7	Z	106.7860	dB	103.0000	-	PASS
System Dynamic Range	8	X	107.1381	dB	103.0000	-	PASS
System Dynamic Range	8	Y	107.4489	dB	103.0000	-	PASS
System Dynamic Range	8	Z	107.3557	dB	103.0000	-	PASS
System Dynamic Range	9	X	107.8517	dB	103.0000	-	PASS
System Dynamic Range	9	Y	107.8187	dB	103.0000	-	PASS
System Dynamic Range	9	Z	107.6851	dB	103.0000	-	PASS
System Dynamic Range	10	X	107.7677	dB	103.0000	-	PASS
System Dynamic Range	10	Y	107.2424	dB	103.0000	-	PASS
System Dynamic Range	10	Z	107.5676	dB	103.0000	-	PASS
System Dynamic Range	11	X	107.5001	dB	103.0000	-	PASS
System Dynamic Range	11	Y	107.2302	dB	103.0000	-	PASS
System Dynamic Range	11	Z	106.8951	dB	103.0000	-	PASS
System Dynamic Range	12	X	107.9847	dB	103.0000	-	PASS
System Dynamic Range	12	Y	107.9969	dB	103.0000	-	PASS
System Dynamic Range	12	Z	107.9669	dB	103.0000	-	PASS
System Dynamic Range	13	X	107.0948	dB	103.0000	-	PASS
System Dynamic Range	13	Y	106.7874	dB	103.0000	-	PASS
System Dynamic Range	13	Z	103.9381	dB	103.0000	-	PASS
System Dynamic Range	14	X	107.2368	dB	103.0000	-	PASS
System Dynamic Range	14	Y	107.1741	dB	103.0000	-	PASS
System Dynamic Range	14	Z	107.2315	dB	103.0000	-	PASS
System Dynamic Range	15	X	108.2805	dB	103.0000	-	PASS
System Dynamic Range	15	Y	107.9340	dB	103.0000	-	PASS
System Dynamic Range	15	Z	107.5690	dB	103.0000	-	PASS
System Dynamic Range	16	X	107.5266	dB	103.0000	-	PASS
System Dynamic Range	16	Y	107.6672	dB	103.0000	-	PASS
System Dynamic Range	16	Z	107.3653	dB	103.0000	-	PASS

AMPLIFIER GAIN 2 TEST

2009/07/25 03:57:54

Shot No: 6

Station Depth: 3225.63 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1398	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1425	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.1386	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1668	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1528	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1364	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1315	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1493	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1363	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1478	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1493	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1518	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1235	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1326	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1360	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1371	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1292	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1326	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1435	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1411	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1453	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1315	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1299	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1287	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	9	X	0.1351	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	9	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	9	Y	0.1380	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	9	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	9	Z	0.1245	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	9	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	10	X	0.1496	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	10	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	10	Y	0.1680	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	10	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	10	Z	0.1416	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	10	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	11	X	0.1469	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	11	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	11	Y	0.1453	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	11	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	11	Z	0.1449	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	11	Z	0.0000	dB	-0.5000	0.5000	PASS

Gain Accuracy	12	X	0.1382	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	12	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	12	Y	0.1453	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	12	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	12	Z	0.1558	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	12	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	13	X	0.1464	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	13	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	13	Y	0.1581	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	13	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	13	Z	0.1436	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	13	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	14	X	0.1459	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	14	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	14	Y	0.1431	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	14	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	14	Z	0.1419	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	14	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	15	X	0.1533	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	15	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	15	Y	0.1506	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	15	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	15	Z	0.1455	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	15	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	16	X	0.1417	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	16	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	16	Y	0.1406	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	16	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	16	Z	0.1437	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	16	Z	0.0000	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 4 TEST

2009/07/25 03:58:07

Shot No: 7

Station Depth: 3225.63 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1403	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	-0.0005	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1404	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0021	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.1359	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0027	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1628	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0040	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1507	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0021	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1340	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0024	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1284	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1486	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0008	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1198	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	0.0165	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1423	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0055	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1463	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1495	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0023	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1058	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0177	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1311	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	0.0015	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1343	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0017	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1353	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0018	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1305	dB	-0.5000	0.5000	PASS

Gain Step Accuracy	6	Y	-0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1297	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1403	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0032	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1375	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0037	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1445	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0008	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1283	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0032	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1260	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0038	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1257	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	9	X	0.1311	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	9	X	0.0040	dB	-0.5000	0.5000	PASS
Gain Accuracy	9	Y	0.1346	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	9	Y	0.0034	dB	-0.5000	0.5000	PASS
Gain Accuracy	9	Z	0.1222	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	9	Z	0.0024	dB	-0.5000	0.5000	PASS
Gain Accuracy	10	X	0.1487	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	10	X	0.0009	dB	-0.5000	0.5000	PASS
Gain Accuracy	10	Y	0.1698	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	10	Y	-0.0018	dB	-0.5000	0.5000	PASS
Gain Accuracy	10	Z	0.1388	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	10	Z	0.0028	dB	-0.5000	0.5000	PASS
Gain Accuracy	11	X	0.1438	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	11	X	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	11	Y	0.1450	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	11	Y	0.0004	dB	-0.5000	0.5000	PASS
Gain Accuracy	11	Z	0.1408	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	11	Z	0.0041	dB	-0.5000	0.5000	PASS
Gain Accuracy	12	X	0.1268	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	12	X	0.0115	dB	-0.5000	0.5000	PASS
Gain Accuracy	12	Y	0.1435	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	12	Y	0.0018	dB	-0.5000	0.5000	PASS
Gain Accuracy	12	Z	0.1578	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	12	Z	-0.0020	dB	-0.5000	0.5000	PASS
Gain Accuracy	13	X	0.1454	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	13	X	0.0010	dB	-0.5000	0.5000	PASS
Gain Accuracy	13	Y	0.1589	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	13	Y	-0.0008	dB	-0.5000	0.5000	PASS
Gain Accuracy	13	Z	0.1408	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	13	Z	0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	14	X	0.1443	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	14	X	0.0016	dB	-0.5000	0.5000	PASS
Gain Accuracy	14	Y	0.1402	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	14	Y	0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	14	Z	0.1381	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	14	Z	0.0038	dB	-0.5000	0.5000	PASS
Gain Accuracy	15	X	0.1535	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	15	X	-0.0002	dB	-0.5000	0.5000	PASS
Gain Accuracy	15	Y	0.1480	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	15	Y	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	15	Z	0.1448	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	15	Z	0.0007	dB	-0.5000	0.5000	PASS
Gain Accuracy	16	X	0.1406	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	16	X	0.0011	dB	-0.5000	0.5000	PASS
Gain Accuracy	16	Y	0.1386	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	16	Y	0.0020	dB	-0.5000	0.5000	PASS
Gain Accuracy	16	Z	0.1412	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	16	Z	0.0025	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 8 TEST

2009/07/25 03:58:19

Shot No: 8

Station Depth: 3225.63 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
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Gain Accuracy	1	X	0.1429	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	-0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1397	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0027	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.1348	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0038	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1627	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0041	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1518	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0010	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1320	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0044	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1292	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0023	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1497	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	-0.0004	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1138	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	0.0226	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1457	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0020	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1489	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0004	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1495	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0023	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1000	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0234	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1316	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	0.0010	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1348	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0012	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1335	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0036	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1327	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	-0.0035	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1295	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1392	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0043	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1360	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0052	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1452	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0002	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1272	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0043	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1249	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0049	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1256	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	9	X	0.1323	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	9	X	0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	9	Y	0.1350	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	9	Y	0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	9	Z	0.1213	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	9	Z	0.0033	dB	-0.5000	0.5000	PASS
Gain Accuracy	10	X	0.1489	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	10	X	0.0007	dB	-0.5000	0.5000	PASS
Gain Accuracy	10	Y	0.1723	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	10	Y	-0.0043	dB	-0.5000	0.5000	PASS
Gain Accuracy	10	Z	0.1404	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	10	Z	0.0012	dB	-0.5000	0.5000	PASS
Gain Accuracy	11	X	0.1453	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	11	X	0.0017	dB	-0.5000	0.5000	PASS
Gain Accuracy	11	Y	0.1450	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	11	Y	0.0003	dB	-0.5000	0.5000	PASS
Gain Accuracy	11	Z	0.1404	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	11	Z	0.0045	dB	-0.5000	0.5000	PASS
Gain Accuracy	12	X	0.1213	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	12	X	0.0170	dB	-0.5000	0.5000	PASS

Gain Accuracy	12	Y	0.1458	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	12	Y	-0.0005	dB	-0.5000	0.5000	PASS
Gain Accuracy	12	Z	0.1581	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	12	Z	-0.0023	dB	-0.5000	0.5000	PASS
Gain Accuracy	13	X	0.1446	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	13	X	0.0018	dB	-0.5000	0.5000	PASS
Gain Accuracy	13	Y	0.1616	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	13	Y	-0.0035	dB	-0.5000	0.5000	PASS
Gain Accuracy	13	Z	0.1419	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	13	Z	0.0017	dB	-0.5000	0.5000	PASS
Gain Accuracy	14	X	0.1446	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	14	X	0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	14	Y	0.1408	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	14	Y	0.0023	dB	-0.5000	0.5000	PASS
Gain Accuracy	14	Z	0.1388	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	14	Z	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	15	X	0.1583	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	15	X	-0.0049	dB	-0.5000	0.5000	PASS
Gain Accuracy	15	Y	0.1488	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	15	Y	0.0018	dB	-0.5000	0.5000	PASS
Gain Accuracy	15	Z	0.1468	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	15	Z	-0.0012	dB	-0.5000	0.5000	PASS
Gain Accuracy	16	X	0.1400	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	16	X	0.0017	dB	-0.5000	0.5000	PASS
Gain Accuracy	16	Y	0.1421	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	16	Y	-0.0015	dB	-0.5000	0.5000	PASS
Gain Accuracy	16	Z	0.1459	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	16	Z	-0.0022	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 16 TEST

2009/07/25 03:58:31

Shot No: 9

Station Depth: 3225.63 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1390	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0008	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1388	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0037	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.1294	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0092	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1600	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0068	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1478	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0050	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1251	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0114	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1244	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0072	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1469	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0025	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1115	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	0.0248	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1433	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0045	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1465	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0027	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1473	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0045	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.0969	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0265	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1296	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1284	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0076	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1313	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0058	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1287	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0005	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1273	dB	-0.5000	0.5000	PASS

Gain Step Accuracy	6	Z	0.0053	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1330	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0105	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1348	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0063	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1401	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0053	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1219	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0096	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1211	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0087	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1235	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0052	dB	-0.5000	0.5000	PASS
Gain Accuracy	9	X	0.1267	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	9	X	0.0085	dB	-0.5000	0.5000	PASS
Gain Accuracy	9	Y	0.1303	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	9	Y	0.0077	dB	-0.5000	0.5000	PASS
Gain Accuracy	9	Z	0.1176	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	9	Z	0.0069	dB	-0.5000	0.5000	PASS
Gain Accuracy	10	X	0.1451	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	10	X	0.0045	dB	-0.5000	0.5000	PASS
Gain Accuracy	10	Y	0.1705	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	10	Y	-0.0025	dB	-0.5000	0.5000	PASS
Gain Accuracy	10	Z	0.1385	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	10	Z	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	11	X	0.1421	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	11	X	0.0048	dB	-0.5000	0.5000	PASS
Gain Accuracy	11	Y	0.1424	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	11	Y	0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	11	Z	0.1364	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	11	Z	0.0085	dB	-0.5000	0.5000	PASS
Gain Accuracy	12	X	0.1173	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	12	X	0.0209	dB	-0.5000	0.5000	PASS
Gain Accuracy	12	Y	0.1430	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	12	Y	0.0023	dB	-0.5000	0.5000	PASS
Gain Accuracy	12	Z	0.1534	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	12	Z	0.0024	dB	-0.5000	0.5000	PASS
Gain Accuracy	13	X	0.1419	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	13	X	0.0045	dB	-0.5000	0.5000	PASS
Gain Accuracy	13	Y	0.1621	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	13	Y	-0.0040	dB	-0.5000	0.5000	PASS
Gain Accuracy	13	Z	0.1390	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	13	Z	0.0046	dB	-0.5000	0.5000	PASS
Gain Accuracy	14	X	0.1385	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	14	X	0.0074	dB	-0.5000	0.5000	PASS
Gain Accuracy	14	Y	0.1348	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	14	Y	0.0083	dB	-0.5000	0.5000	PASS
Gain Accuracy	14	Z	0.1371	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	14	Z	0.0048	dB	-0.5000	0.5000	PASS
Gain Accuracy	15	X	0.1555	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	15	X	-0.0022	dB	-0.5000	0.5000	PASS
Gain Accuracy	15	Y	0.1440	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	15	Y	0.0067	dB	-0.5000	0.5000	PASS
Gain Accuracy	15	Z	0.1437	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	15	Z	0.0018	dB	-0.5000	0.5000	PASS
Gain Accuracy	16	X	0.1369	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	16	X	0.0048	dB	-0.5000	0.5000	PASS
Gain Accuracy	16	Y	0.1381	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	16	Y	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	16	Z	0.1380	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	16	Z	0.0057	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 32 TEST

2009/07/25 03:58:43

Shot No: 10

Station Depth: 3225.63 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1437	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	-0.0039	dB	-0.5000	0.5000	PASS

Gain Accuracy	1	Y	0.1409	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0016	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.1296	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0090	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1660	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0008	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1495	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0033	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1265	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0100	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1285	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1464	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1136	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	0.0227	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1453	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0024	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1501	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	-0.0008	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1478	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0040	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.0980	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0255	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1343	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0017	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1325	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0035	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1333	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0038	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1285	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0007	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1321	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0005	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1326	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0109	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1350	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0062	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1465	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	-0.0012	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1284	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1237	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0062	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1266	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0021	dB	-0.5000	0.5000	PASS
Gain Accuracy	9	X	0.1281	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	9	X	0.0071	dB	-0.5000	0.5000	PASS
Gain Accuracy	9	Y	0.1314	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	9	Y	0.0066	dB	-0.5000	0.5000	PASS
Gain Accuracy	9	Z	0.1186	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	9	Z	0.0059	dB	-0.5000	0.5000	PASS
Gain Accuracy	10	X	0.1470	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	10	X	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	10	Y	0.1779	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	10	Y	-0.0099	dB	-0.5000	0.5000	PASS
Gain Accuracy	10	Z	0.1401	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	10	Z	0.0015	dB	-0.5000	0.5000	PASS
Gain Accuracy	11	X	0.1431	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	11	X	0.0039	dB	-0.5000	0.5000	PASS
Gain Accuracy	11	Y	0.1474	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	11	Y	-0.0021	dB	-0.5000	0.5000	PASS
Gain Accuracy	11	Z	0.1398	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	11	Z	0.0051	dB	-0.5000	0.5000	PASS
Gain Accuracy	12	X	0.1199	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	12	X	0.0183	dB	-0.5000	0.5000	PASS
Gain Accuracy	12	Y	0.1418	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	12	Y	0.0036	dB	-0.5000	0.5000	PASS

Gain Accuracy	12	Z	0.1577	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	12	Z	-0.0019	dB	-0.5000	0.5000	PASS
Gain Accuracy	13	X	0.1436	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	13	X	0.0028	dB	-0.5000	0.5000	PASS
Gain Accuracy	13	Y	0.1571	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	13	Y	0.0010	dB	-0.5000	0.5000	PASS
Gain Accuracy	13	Z	0.1434	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	13	Z	0.0002	dB	-0.5000	0.5000	PASS
Gain Accuracy	14	X	0.1409	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	14	X	0.0050	dB	-0.5000	0.5000	PASS
Gain Accuracy	14	Y	0.1389	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	14	Y	0.0042	dB	-0.5000	0.5000	PASS
Gain Accuracy	14	Z	0.1391	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	14	Z	0.0028	dB	-0.5000	0.5000	PASS
Gain Accuracy	15	X	0.1559	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	15	X	-0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	15	Y	0.1481	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	15	Y	0.0025	dB	-0.5000	0.5000	PASS
Gain Accuracy	15	Z	0.1426	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	15	Z	0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	16	X	0.1380	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	16	X	0.0037	dB	-0.5000	0.5000	PASS
Gain Accuracy	16	Y	0.1409	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	16	Y	-0.0003	dB	-0.5000	0.5000	PASS
Gain Accuracy	16	Z	0.1435	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	16	Z	0.0002	dB	-0.5000	0.5000	PASS

CROSS TALK X TEST

2009/07/25 03:59:12

Shot No: 11

Station Depth: 3225.63 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk X-Y	1	-	-100.3283	dB	-	-90.0000	PASS
Cross Talk X-Z	1	-	-100.2228	dB	-	-90.0000	PASS
Cross Talk X-Y	2	-	-100.4694	dB	-	-90.0000	PASS
Cross Talk X-Z	2	-	-100.6097	dB	-	-90.0000	PASS
Cross Talk X-Y	3	-	-100.2972	dB	-	-90.0000	PASS
Cross Talk X-Z	3	-	-100.4303	dB	-	-90.0000	PASS
Cross Talk X-Y	4	-	-100.4483	dB	-	-90.0000	PASS
Cross Talk X-Z	4	-	-100.1754	dB	-	-90.0000	PASS
Cross Talk X-Y	5	-	-100.2007	dB	-	-90.0000	PASS
Cross Talk X-Z	5	-	-100.0283	dB	-	-90.0000	PASS
Cross Talk X-Y	6	-	-100.4110	dB	-	-90.0000	PASS
Cross Talk X-Z	6	-	-100.2528	dB	-	-90.0000	PASS
Cross Talk X-Y	7	-	-100.4411	dB	-	-90.0000	PASS
Cross Talk X-Z	7	-	-100.2475	dB	-	-90.0000	PASS
Cross Talk X-Y	8	-	-100.1766	dB	-	-90.0000	PASS
Cross Talk X-Z	8	-	-100.0730	dB	-	-90.0000	PASS
Cross Talk X-Y	9	-	-100.3248	dB	-	-90.0000	PASS
Cross Talk X-Z	9	-	-100.2103	dB	-	-90.0000	PASS
Cross Talk X-Y	10	-	-100.2552	dB	-	-90.0000	PASS
Cross Talk X-Z	10	-	-100.2581	dB	-	-90.0000	PASS
Cross Talk X-Y	11	-	-100.1428	dB	-	-90.0000	PASS
Cross Talk X-Z	11	-	-100.1324	dB	-	-90.0000	PASS
Cross Talk X-Y	12	-	-100.2619	dB	-	-90.0000	PASS
Cross Talk X-Z	12	-	-100.0616	dB	-	-90.0000	PASS
Cross Talk X-Y	13	-	-100.4173	dB	-	-90.0000	PASS
Cross Talk X-Z	13	-	-100.0497	dB	-	-90.0000	PASS
Cross Talk X-Y	14	-	-100.4226	dB	-	-90.0000	PASS
Cross Talk X-Z	14	-	-100.5079	dB	-	-90.0000	PASS
Cross Talk X-Y	15	-	-100.3065	dB	-	-90.0000	PASS
Cross Talk X-Z	15	-	-100.0712	dB	-	-90.0000	PASS
Cross Talk X-Y	16	-	-100.0684	dB	-	-90.0000	PASS
Cross Talk X-Z	16	-	-100.1788	dB	-	-90.0000	PASS

CROSS TALK Y TEST

2009/07/25 03:59:46

Shot No: 12

Station Depth: 3225.63 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result

Cross Talk Y-Z	1	-	-100.2572	dB	-	-90.0000	PASS
Cross Talk Y-X	1	-	-99.7790	dB	-	-90.0000	PASS
Cross Talk Y-Z	2	-	-100.3843	dB	-	-90.0000	PASS
Cross Talk Y-X	2	-	-99.5874	dB	-	-90.0000	PASS
Cross Talk Y-Z	3	-	-100.2821	dB	-	-90.0000	PASS
Cross Talk Y-X	3	-	-99.6630	dB	-	-90.0000	PASS
Cross Talk Y-Z	4	-	-100.0732	dB	-	-90.0000	PASS
Cross Talk Y-X	4	-	-99.8203	dB	-	-90.0000	PASS
Cross Talk Y-Z	5	-	-100.0412	dB	-	-90.0000	PASS
Cross Talk Y-X	5	-	-99.9501	dB	-	-90.0000	PASS
Cross Talk Y-Z	6	-	-100.0393	dB	-	-90.0000	PASS
Cross Talk Y-X	6	-	-99.7097	dB	-	-90.0000	PASS
Cross Talk Y-Z	7	-	-100.1677	dB	-	-90.0000	PASS
Cross Talk Y-X	7	-	-99.7469	dB	-	-90.0000	PASS
Cross Talk Y-Z	8	-	-100.2705	dB	-	-90.0000	PASS
Cross Talk Y-X	8	-	-99.7912	dB	-	-90.0000	PASS
Cross Talk Y-Z	9	-	-100.3322	dB	-	-90.0000	PASS
Cross Talk Y-X	9	-	-99.7243	dB	-	-90.0000	PASS
Cross Talk Y-Z	10	-	-100.3476	dB	-	-90.0000	PASS
Cross Talk Y-X	10	-	-99.8108	dB	-	-90.0000	PASS
Cross Talk Y-Z	11	-	-100.1432	dB	-	-90.0000	PASS
Cross Talk Y-X	11	-	-100.0099	dB	-	-90.0000	PASS
Cross Talk Y-Z	12	-	-99.8115	dB	-	-90.0000	PASS
Cross Talk Y-X	12	-	-100.0916	dB	-	-90.0000	PASS
Cross Talk Y-Z	13	-	-100.2861	dB	-	-90.0000	PASS
Cross Talk Y-X	13	-	-99.9130	dB	-	-90.0000	PASS
Cross Talk Y-Z	14	-	-100.1562	dB	-	-90.0000	PASS
Cross Talk Y-X	14	-	-99.4956	dB	-	-90.0000	PASS
Cross Talk Y-Z	15	-	-100.0835	dB	-	-90.0000	PASS
Cross Talk Y-X	15	-	-99.6364	dB	-	-90.0000	PASS
Cross Talk Y-Z	16	-	-100.4013	dB	-	-90.0000	PASS
Cross Talk Y-X	16	-	-99.9830	dB	-	-90.0000	PASS

CROSS TALK Z TEST

2009/07/25 04:00:20

Shot No: 13

Station Depth: 3225.63 m

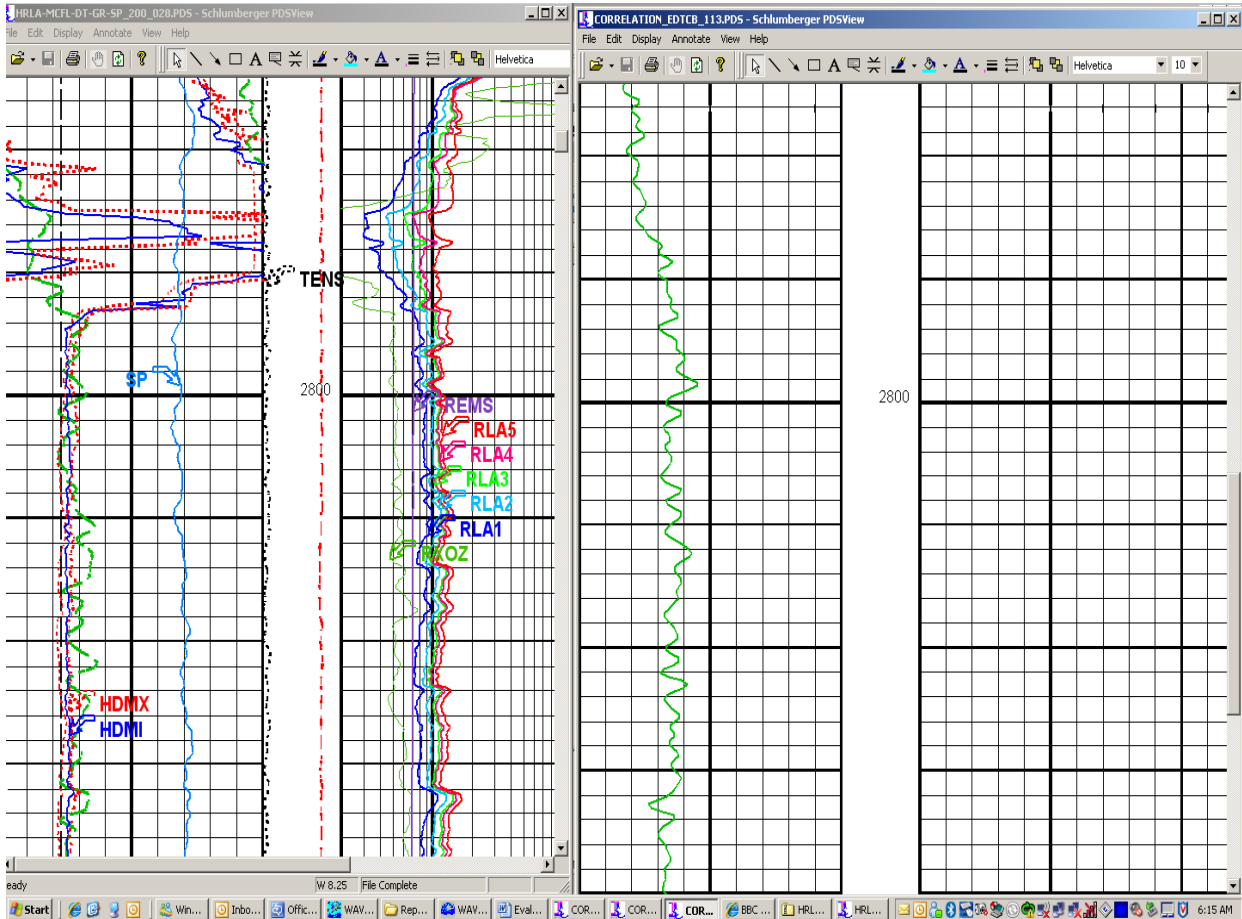
Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk Z-X	1	-	-99.3999	dB	-	-90.0000	PASS
Cross Talk Z-Y	1	-	-100.0730	dB	-	-90.0000	PASS
Cross Talk Z-X	2	-	-99.1665	dB	-	-90.0000	PASS
Cross Talk Z-Y	2	-	-100.1541	dB	-	-90.0000	PASS
Cross Talk Z-X	3	-	-98.5514	dB	-	-90.0000	PASS
Cross Talk Z-Y	3	-	-99.6680	dB	-	-90.0000	PASS
Cross Talk Z-X	4	-	-99.2915	dB	-	-90.0000	PASS
Cross Talk Z-Y	4	-	-100.1423	dB	-	-90.0000	PASS
Cross Talk Z-X	5	-	-99.2027	dB	-	-90.0000	PASS
Cross Talk Z-Y	5	-	-100.1146	dB	-	-90.0000	PASS
Cross Talk Z-X	6	-	-99.0618	dB	-	-90.0000	PASS
Cross Talk Z-Y	6	-	-100.2777	dB	-	-90.0000	PASS
Cross Talk Z-X	7	-	-99.1736	dB	-	-90.0000	PASS
Cross Talk Z-Y	7	-	-100.0146	dB	-	-90.0000	PASS
Cross Talk Z-X	8	-	-99.0430	dB	-	-90.0000	PASS
Cross Talk Z-Y	8	-	-100.0902	dB	-	-90.0000	PASS
Cross Talk Z-X	9	-	-98.9808	dB	-	-90.0000	PASS
Cross Talk Z-Y	9	-	-99.9097	dB	-	-90.0000	PASS
Cross Talk Z-X	10	-	-99.1252	dB	-	-90.0000	PASS
Cross Talk Z-Y	10	-	-99.9176	dB	-	-90.0000	PASS
Cross Talk Z-X	11	-	-99.3113	dB	-	-90.0000	PASS
Cross Talk Z-Y	11	-	-99.6611	dB	-	-90.0000	PASS
Cross Talk Z-X	12	-	-99.3120	dB	-	-90.0000	PASS
Cross Talk Z-Y	12	-	-100.4016	dB	-	-90.0000	PASS
Cross Talk Z-X	13	-	-99.2160	dB	-	-90.0000	PASS
Cross Talk Z-Y	13	-	-100.1310	dB	-	-90.0000	PASS
Cross Talk Z-X	14	-	-99.2494	dB	-	-90.0000	PASS
Cross Talk Z-Y	14	-	-100.0866	dB	-	-90.0000	PASS
Cross Talk Z-X	15	-	-98.8244	dB	-	-90.0000	PASS
Cross Talk Z-Y	15	-	-100.1045	dB	-	-90.0000	PASS
Cross Talk Z-X	16	-	-98.9726	dB	-	-90.0000	PASS

Cross Talk Z-Y	16	-	-99.7264	dB	-	-90.0000	PASS
IMPULSE RESPONSE TEST							
2009/07/25 04:00:52							
Shot No: 14				Station Depth: 3225.63 m			
Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Amplitude (0.3Hz)	1	X	-1.4844	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	X	-3.5770	dB	-5.0000	-	PASS
Impulse Amplitude	1	X	573.0135	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	X	0.0000	degree	-	-	-
Amplitude (0.3Hz)	1	Y	-1.5225	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	Y	-3.5739	dB	-5.0000	-	PASS
Impulse Amplitude	1	Y	573.2839	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	Y	0.2755	degree	-	-	-
Amplitude (0.3Hz)	1	Z	-1.4760	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	Z	-3.5730	dB	-5.0000	-	PASS
Impulse Amplitude	1	Z	573.3340	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	Z	-0.1884	degree	-	-	-
Amplitude (0.3Hz)	2	X	-1.5494	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	X	-3.5691	dB	-5.0000	-	PASS
Impulse Amplitude	2	X	575.1837	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	X	0.9009	degree	-	-	-
Amplitude (0.3Hz)	2	Y	-1.8537	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	Y	-3.5709	dB	-5.0000	-	PASS
Impulse Amplitude	2	Y	574.3431	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	Y	3.8581	degree	-	-	-
Amplitude (0.3Hz)	2	Z	-1.6456	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	Z	-3.5741	dB	-5.0000	-	PASS
Impulse Amplitude	2	Z	573.1378	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	Z	1.8364	degree	-	-	-
Amplitude (0.3Hz)	3	X	-1.6099	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	X	-3.5710	dB	-5.0000	-	PASS
Impulse Amplitude	3	X	572.9152	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	X	1.5550	degree	-	-	-
Amplitude (0.3Hz)	3	Y	-1.6059	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	Y	-3.5728	dB	-5.0000	-	PASS
Impulse Amplitude	3	Y	573.9919	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	Y	1.2975	degree	-	-	-
Amplitude (0.3Hz)	3	Z	-1.7013	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	Z	-3.5721	dB	-5.0000	-	PASS
Impulse Amplitude	3	Z	573.1929	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	Z	2.2535	degree	-	-	-
Amplitude (0.3Hz)	4	X	-1.7710	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	X	-3.5719	dB	-5.0000	-	PASS
Impulse Amplitude	4	X	574.5842	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	X	2.8304	degree	-	-	-
Amplitude (0.3Hz)	4	Y	-1.8313	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	Y	-3.5743	dB	-5.0000	-	PASS
Impulse Amplitude	4	Y	574.4578	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	Y	3.3677	degree	-	-	-
Amplitude (0.3Hz)	4	Z	-1.7505	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	Z	-3.5729	dB	-5.0000	-	PASS
Impulse Amplitude	4	Z	574.7830	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	Z	2.5860	degree	-	-	-
Amplitude (0.3Hz)	5	X	-1.6445	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	X	-3.5786	dB	-5.0000	-	PASS
Impulse Amplitude	5	X	572.0954	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	X	1.8056	degree	-	-	-
Amplitude (0.3Hz)	5	Y	-1.6227	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	Y	-3.5766	dB	-5.0000	-	PASS
Impulse Amplitude	5	Y	572.9225	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	Y	1.5564	degree	-	-	-
Amplitude (0.3Hz)	5	Z	-1.5622	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	Z	-3.5765	dB	-5.0000	-	PASS
Impulse Amplitude	5	Z	573.1165	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	Z	0.9806	degree	-	-	-
Amplitude (0.3Hz)	6	X	-1.5551	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	X	-3.5776	dB	-5.0000	-	PASS

Impulse Amplitude	6	X	573.4932	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	X	0.5960	degree	-	-	-
Amplitude (0.3Hz)	6	Y	-1.5443	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	Y	-3.5752	dB	-5.0000	-	PASS
Impulse Amplitude	6	Y	573.2800	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	Y	0.4176	degree	-	-	-
Amplitude (0.3Hz)	6	Z	-1.5569	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	Z	-3.5763	dB	-5.0000	-	PASS
Impulse Amplitude	6	Z	573.3910	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	Z	0.5380	degree	-	-	-
Amplitude (0.3Hz)	7	X	-1.5344	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	X	-3.5723	dB	-5.0000	-	PASS
Impulse Amplitude	7	X	573.6000	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	X	0.7048	degree	-	-	-
Amplitude (0.3Hz)	7	Y	-1.5431	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	Y	-3.5738	dB	-5.0000	-	PASS
Impulse Amplitude	7	Y	573.1794	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	Y	0.8591	degree	-	-	-
Amplitude (0.3Hz)	7	Z	-1.6665	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	Z	-3.5756	dB	-5.0000	-	PASS
Impulse Amplitude	7	Z	573.6981	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	Z	1.9991	degree	-	-	-
Amplitude (0.3Hz)	8	X	-1.5283	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	X	-3.5803	dB	-5.0000	-	PASS
Impulse Amplitude	8	X	573.0278	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	X	0.2705	degree	-	-	-
Amplitude (0.3Hz)	8	Y	-1.6389	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	Y	-3.5771	dB	-5.0000	-	PASS
Impulse Amplitude	8	Y	572.9342	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	Y	1.4128	degree	-	-	-
Amplitude (0.3Hz)	8	Z	-1.5615	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	Z	-3.5792	dB	-5.0000	-	PASS
Impulse Amplitude	8	Z	572.9058	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	Z	0.5774	degree	-	-	-
Amplitude (0.3Hz)	9	X	-1.8250	dB	-5.0000	-	PASS
Amplitude (400Hz)	9	X	-3.5755	dB	-5.0000	-	PASS
Impulse Amplitude	9	X	572.4077	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	9	X	3.7480	degree	-	-	-
Amplitude (0.3Hz)	9	Y	-1.9154	dB	-5.0000	-	PASS
Amplitude (400Hz)	9	Y	-3.5732	dB	-5.0000	-	PASS
Impulse Amplitude	9	Y	573.0920	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	9	Y	4.5947	degree	-	-	-
Amplitude (0.3Hz)	9	Z	-1.7446	dB	-5.0000	-	PASS
Amplitude (400Hz)	9	Z	-3.5731	dB	-5.0000	-	PASS
Impulse Amplitude	9	Z	572.1740	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	9	Z	3.0548	degree	-	-	-
Amplitude (0.3Hz)	10	X	-1.7517	dB	-5.0000	-	PASS
Amplitude (400Hz)	10	X	-3.5764	dB	-5.0000	-	PASS
Impulse Amplitude	10	X	574.4255	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	10	X	2.7144	degree	-	-	-
Amplitude (0.3Hz)	10	Y	-1.6415	dB	-5.0000	-	PASS
Amplitude (400Hz)	10	Y	-3.5742	dB	-5.0000	-	PASS
Impulse Amplitude	10	Y	575.7370	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	10	Y	1.6926	degree	-	-	-
Amplitude (0.3Hz)	10	Z	-1.7605	dB	-5.0000	-	PASS
Amplitude (400Hz)	10	Z	-3.5763	dB	-5.0000	-	PASS
Impulse Amplitude	10	Z	574.0298	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	10	Z	2.6288	degree	-	-	-
Amplitude (0.3Hz)	11	X	-1.6916	dB	-5.0000	-	PASS
Amplitude (400Hz)	11	X	-3.5754	dB	-5.0000	-	PASS
Impulse Amplitude	11	X	574.1502	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	11	X	2.4321	degree	-	-	-
Amplitude (0.3Hz)	11	Y	-1.5848	dB	-5.0000	-	PASS
Amplitude (400Hz)	11	Y	-3.5752	dB	-5.0000	-	PASS
Impulse Amplitude	11	Y	574.0527	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	11	Y	1.4716	degree	-	-	-
Amplitude (0.3Hz)	11	Z	-1.6537	dB	-5.0000	-	PASS
Amplitude (400Hz)	11	Z	-3.5738	dB	-5.0000	-	PASS

Impulse Amplitude	11	Z	574.0759	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	11	Z	2.0630	degree	-	-	-
Amplitude (0.3Hz)	12	X	-1.6552	dB	-5.0000	-	PASS
Amplitude (400Hz)	12	X	-3.5719	dB	-5.0000	-	PASS
Impulse Amplitude	12	X	573.7641	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	12	X	2.2035	degree	-	-	-
Amplitude (0.3Hz)	12	Y	-1.6425	dB	-5.0000	-	PASS
Amplitude (400Hz)	12	Y	-3.5753	dB	-5.0000	-	PASS
Impulse Amplitude	12	Y	574.0683	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	12	Y	1.9119	degree	-	-	-
Amplitude (0.3Hz)	12	Z	-1.5197	dB	-5.0000	-	PASS
Amplitude (400Hz)	12	Z	-3.5721	dB	-5.0000	-	PASS
Impulse Amplitude	12	Z	574.9276	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	12	Z	0.6287	degree	-	-	-
Amplitude (0.3Hz)	13	X	-1.7298	dB	-5.0000	-	PASS
Amplitude (400Hz)	13	X	-3.5721	dB	-5.0000	-	PASS
Impulse Amplitude	13	X	573.6479	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	13	X	2.8473	degree	-	-	-
Amplitude (0.3Hz)	13	Y	-1.7583	dB	-5.0000	-	PASS
Amplitude (400Hz)	13	Y	-3.5747	dB	-5.0000	-	PASS
Impulse Amplitude	13	Y	574.4336	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	13	Y	2.9156	degree	-	-	-
Amplitude (0.3Hz)	13	Z	-1.7291	dB	-5.0000	-	PASS
Amplitude (400Hz)	13	Z	-3.5726	dB	-5.0000	-	PASS
Impulse Amplitude	13	Z	573.5982	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	13	Z	2.5945	degree	-	-	-
Amplitude (0.3Hz)	14	X	-1.6165	dB	-5.0000	-	PASS
Amplitude (400Hz)	14	X	-3.5776	dB	-5.0000	-	PASS
Impulse Amplitude	14	X	574.1307	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	14	X	1.8671	degree	-	-	-
Amplitude (0.3Hz)	14	Y	-1.5809	dB	-5.0000	-	PASS
Amplitude (400Hz)	14	Y	-3.5755	dB	-5.0000	-	PASS
Impulse Amplitude	14	Y	574.1390	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	14	Y	1.6113	degree	-	-	-
Amplitude (0.3Hz)	14	Z	-1.7870	dB	-5.0000	-	PASS
Amplitude (400Hz)	14	Z	-3.5765	dB	-5.0000	-	PASS
Impulse Amplitude	14	Z	574.0860	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	14	Z	3.2334	degree	-	-	-
Amplitude (0.3Hz)	15	X	-1.7832	dB	-5.0000	-	PASS
Amplitude (400Hz)	15	X	-3.5733	dB	-5.0000	-	PASS
Impulse Amplitude	15	X	574.0878	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	15	X	3.0487	degree	-	-	-
Amplitude (0.3Hz)	15	Y	-1.6978	dB	-5.0000	-	PASS
Amplitude (400Hz)	15	Y	-3.5746	dB	-5.0000	-	PASS
Impulse Amplitude	15	Y	573.7990	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	15	Y	2.1829	degree	-	-	-
Amplitude (0.3Hz)	15	Z	-1.7453	dB	-5.0000	-	PASS
Amplitude (400Hz)	15	Z	-3.5734	dB	-5.0000	-	PASS
Impulse Amplitude	15	Z	573.5413	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	15	Z	2.5358	degree	-	-	-
Amplitude (0.3Hz)	16	X	-1.7148	dB	-5.0000	-	PASS
Amplitude (400Hz)	16	X	-3.5717	dB	-5.0000	-	PASS
Impulse Amplitude	16	X	573.8486	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	16	X	2.3662	degree	-	-	-
Amplitude (0.3Hz)	16	Y	-1.5383	dB	-5.0000	-	PASS
Amplitude (400Hz)	16	Y	-3.5755	dB	-5.0000	-	PASS
Impulse Amplitude	16	Y	573.7711	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	16	Y	0.6743	degree	-	-	-
Amplitude (0.3Hz)	16	Z	-1.7127	dB	-5.0000	-	PASS
Amplitude (400Hz)	16	Z	-3.5722	dB	-5.0000	-	PASS
Impulse Amplitude	16	Z	574.2518	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	16	Z	2.3017	degree	-	-	-

Gamma Ray Correlation



Schlumberger Private

Correlation Log

Uplug on depth

2.5m added to depth