

Survey type: Vertical Seismic Profile  
Company: International Ocean Discovery Program  
Well: Expedition 374, Site U1522A  
Field: Ross Sea W. Antarctic Ice Sheet History  
Country:  
Run: 1  
Date: 27-Jan-2018

Recorded by: K. Swain

Witnessed by: J. Gales, B. Romans, L. De Santis

## Well Information

Company	International Ocean Discovery Program
Well	Expedition 374, Site U1522A
Field	Ross Sea W. Antarctic Ice Sheet History
Country	
State	Southern
Logging Date	27-Jan-2018
Run Number	1
Service Order	
Well Head (Latitude)	S 76.55377
Well Head (Longitude)	W 174.75775333
Well Head (X Coordinate)	0.0 UTM
Well Head (Y Coordinate)	0.0 UTM
Total Depth - Driller	1270.3 m
Total Depth - Logger	1217.0 m
Maximum Hole Deviation	1.0 deg
Azimuth of Maximum Deviation	
Program Version	19C0-187
Bit Size	9.875 in
Recorded by	K. Swain
Witnessed by	J. Gales, B. Romans, L. De Santis

## Elevation Information

Permanent Datum	MSL
Elevation Permanent Datum	0.0 m
Above Permanent Datum	568.5 m
Drilling Measured From	Rig Floor
Derrick Floor	11.0 m
Ground Level	-557.5 m
Kelly Bush	11.0 m
Log Measured From	Rig Floor
Elevation Log Zero	11.0 m

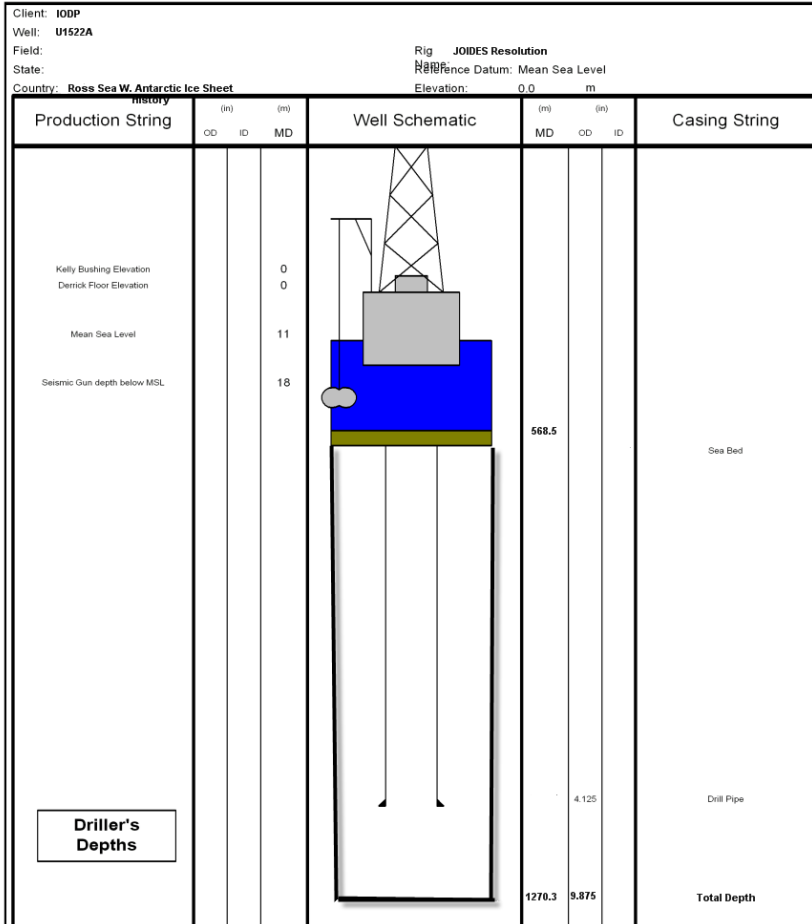
## Depth Corrected Information

Water Velocity	1450.0 m/s
Seismic Reference Datum	0.0 m

## Remarks

Hole drilled with RCB bottom hole assembly (BHA) at 9-7/8" BS
Bit dropped using Mechanical Bit Release (MBR) prior to logging.
Drilled TD was 1270.3mbrf.
Drill pipe set at 659.8mbrf and raised to 644.6m for main uplog.
Fluid type was Sepeolite mud weighted with Barite to a density of 10.5ppg
Depth recorded from drill floor; logs presented as-logged without depth corrections or shifts, as per client instructions.
All logs presented in wireline measured depth below rig floor (MDBRF).
Caliper opened during upward passes; closed inside pipe.
Hole size corrections made using caliper measurements for upward passes.
AHC used from TD then switched off to facilitate pipe entry.
10.5 lb/gal mud pumped in hole prior to logging.

# Well Sketch



SURFACE EQUIPMENT

WSAM 808  
WITM (EDTS)-A 1

DOWNHOLE EQUIPMENT

LEH-QT  
LEH-QT 301

9.93

AH-369  
AH-369 724

9.04

MDSB\_EDTC  
Mud Tempe

EDTC-B  
EDTH-B 8303  
EDTC-B 8317  
EDTG-A/B 8305

8.60

8.60

CTEM

7.54

Gamma Ray  
EFTB DIAG  
TelStatus  
EDTCB Ele

6.97

6.62

AH-241  
AH-241 8006

6.62

VSIT-C  
VSPCH-A 8001  
VSCCH-A 8001  
VSIC-C 1

6.36

DF ACCZ  
VSIC Meas HV  
VSIC Stat  
Tension

0.00

TOOL ZERO



1.1 m below  
Winch depth

GAC-D Geophone

### Source Configuration (Air Gun)

Source Location (Rig, Boat, Pit, Borehole)	Crane #3 (port side aft)
Source Group ID (A, B, C, ...)	A IODP Dual Air gun
Source Offset (for fixed offset)	48m
Source Azimuth (for fixed offset)	225 deg
Source Depth from Surface	7m
Source Depth from Logging Zero	18m

Gun Controller Type	WSI
Gun Controller Model Name	WSI-A
Gun Controller Serial Number	864
Gun Type	G-Gun
Gun Serial Number(s)	N/A-IODP
Gun Configuration (3 Gun Cluster, Gun Array, etc.)	2 Gun horizontal cluster
Gun Chamber Volumes	250 cubic inch per gun
Gun Pit/Borehole Information	Offshore air guns in sea
Compressor Type	Rig air
Compressor Flow Rate	n/a
Air Regulator Pressure	1750 psi

### Surface Sensor Configuration

Number of Surface Reference Sensors	1
Surface Recording Length	500ms
Surface Sampling Rate	1ms
Sensor Type (S1)	MP24-H
Sensor Type (S2)	
Sensor Type (S3)	
Sensor Depth from Surface (S1)	9m
Sensor Depth from Surface (S2)	
Sensor Depth from Surface (S3)	
Sensor Depth from Logging Zero (S1)	20m
Sensor Depth from Logging Zero (S2)	
Sensor Depth from Logging Zero (S3)	
Sensor Offset from Source (S1)	0
Sensor Offset from Source (S2)	
Sensor Offset from Source (S3)	

## Downhole Equipment Information

<b>Tool Type</b>	VSI single shuttle
<b>Surface Equipment</b>	WSI
<b>Combined Tool</b>	EDTC-B
<b>Number of Shuttles</b>	1
<b>Nominal Receiver Spacing</b>	1.1m below tool zero
<b>Gimbaled (Y/N)</b>	Y
<b>Downhole Geophone Type</b>	GAC-D
<b>Sensitivity</b>	0.54
<b>Natural Frequency</b>	20.0
<b>Damping Factor</b>	5.74
<b>DC Resistance</b>	1500
<b>Receiver #1</b>	VSIS-PC 8006
<b>Receiver #2</b>	
<b>Receiver #3</b>	
<b>Receiver #4</b>	
<b>Receiver #5</b>	
<b>Receiver #6</b>	
<b>Receiver #7</b>	
<b>Receiver #8</b>	

**VSP**

## General Information

<b>Survey Type</b>	Zero Offset VSP
<b>Surface Recording Length</b>	500.0 ms
<b>Surface Sampling Rate</b>	1.0 ms
<b>Downhole Recording Length</b>	5000.0 ms
<b>Downhole Sampling Rate</b>	1.0 ms
<b>Top of Survey</b>	664.0 m
<b>Bottom of Survey</b>	867.4 m
<b>Number of Shots</b>	53
<b>Number of Downhole Traces</b>	53
<b>Number of Downhole Traces used for Processing</b>	35





**Shot Summary Listing (1/1)**

<b>Measured Depth [m]</b>	<b>Tool Number</b>	<b>Stack Number</b>	<b>Relative Bearing [deg]</b>	<b>Caliper [in]</b>	<b>Anchoring force [kg]</b>	<b>Shot number</b>
664.0	1	12	16.4	13.6	895.3	63, 64, 66
675.0	1	11	-11.7	14.0	888.8	52, 53, 57, 58, 59, 60
698.0	1	10	-36.1	13.7	910.3	45, 46, 48, 49, 50, 51
723.9	1	9	-36.3	14.3	925.2	42
777.9	1	6	-7.0	12.0	887.8	33, 36, 37, 38
799.9	1	5	-18.8	12.2	804.5	26, 27, 28, 29, 32
845.0	1	3	-12.5	13.1	890.2	19, 20, 21, 22, 23
867.4	1	2	-66.7	3.9	866.5	14, 15, 16, 17, 18

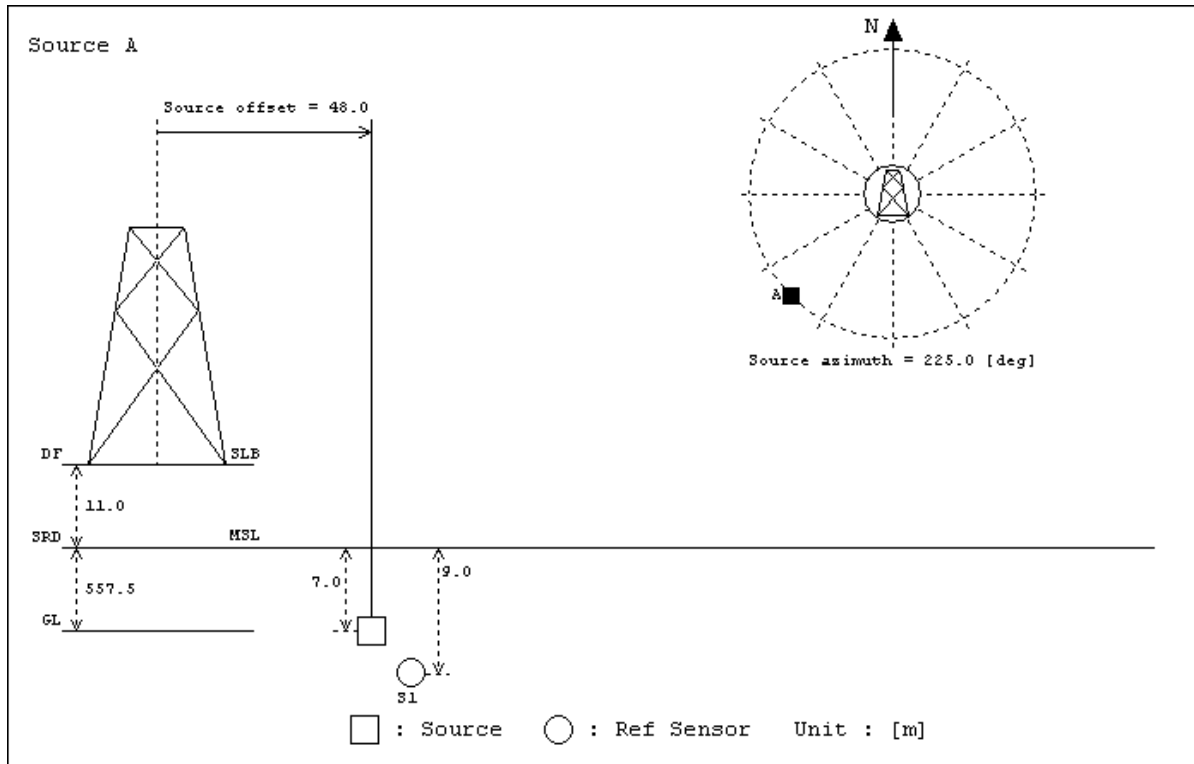
## Observer's Note (1/2)

Well depth[m]	Time	Shot Type	Shot#	Stack#	Source	Remarks
38.2	20:35:32	ENLO	1			surface test
38.2	20:35:56	ENHI	2			
38.2	20:36:05	ETHD	3			
38.2	20:36:19	DRNG	4			
38.2	20:36:33	GA02	5			
38.2	20:36:43	GA04	6			
38.2	20:36:53	GA08	7			
38.2	20:37:03	GA16	8			
38.2	20:37:13	GA32	9			
38.2	20:37:28	XTLK	10			
38.2	20:37:46	XTLK	11			
38.2	20:38:05	XTLK	12			
38.2	20:38:23	EIMP	13			surface test end successful
867.4	01:51:43	SHOT	14	2	A	good a little noisy
867.4	01:52:48	SHOT	15	2	A	same
867.4	01:54:03	SHOT	16	2	A	same
867.4	01:54:31	SHOT	17	2	A	same
867.4	01:54:52	SHOT	18	2	A	same
845.0	02:04:10	SHOT	19	3	A	good
845.0	02:05:19	SHOT	20	3	A	
845.0	02:05:37	SHOT	21	3	A	
845.0	02:06:08	SHOT	22	3	A	
845.0	02:06:32	SHOT	23	3	A	good
805.0	02:13:09	SHOT	24	4	A	bad
805.0	02:13:36	SHOT	25	4	A	bad
799.9	02:17:29	SHOT	26	5	A	
799.9	02:17:56	SHOT	27	5	A	
799.9	02:18:29	SHOT	28	5	A	
799.9	02:19:38	SHOT	29	5	A	
799.9	02:20:09	SHOT	30	5	A	bad
799.9	02:20:29	SHOT	31	5	A	bad
799.9	02:20:54	SHOT	32	5	A	good
777.9	02:28:50	SHOT	33	6	A	
777.9	02:29:10	SHOT	34	6	A	
777.9	02:29:33	SHOT	35	6	A	
777.9	02:30:01	SHOT	36	6	A	
777.9	02:30:19	SHOT	37	6	A	
777.9	02:30:37	SHOT	38	6	A	
751.9	02:40:19	SHOT	39	7	A	
751.9	02:40:46	SHOT	40	7	A	
751.9	02:41:04	SHOT	41	7	A	
723.9	02:52:25	SHOT	42	9	A	
723.9	02:52:43	SHOT	43	9	A	
723.9	02:53:02	SHOT	44	9	A	
698.0	03:07:52	SHOT	45	10	A	
698.0	03:08:11	SHOT	46	10	A	
698.0	03:08:29	SHOT	47	10	A	
698.0	03:08:47	SHOT	48	10	A	
698.0	03:09:19	SHOT	49	10	A	
698.0	03:09:39	SHOT	50	10	A	
698.0	03:10:50	SHOT	51	10	A	
675.0	03:25:40	SHOT	52	11	A	
675.0	03:25:58	SHOT	53	11	A	
675.0	03:26:16	SHOT	54	11	A	
675.0	03:26:34	SHOT	55	11	A	
675.0	03:26:55	SHOT	56	11	A	
675.0	03:27:13	SHOT	57	11	A	
675.0	03:27:41	SHOT	58	11	A	
675.0	03:28:12	SHOT	59	11	A	

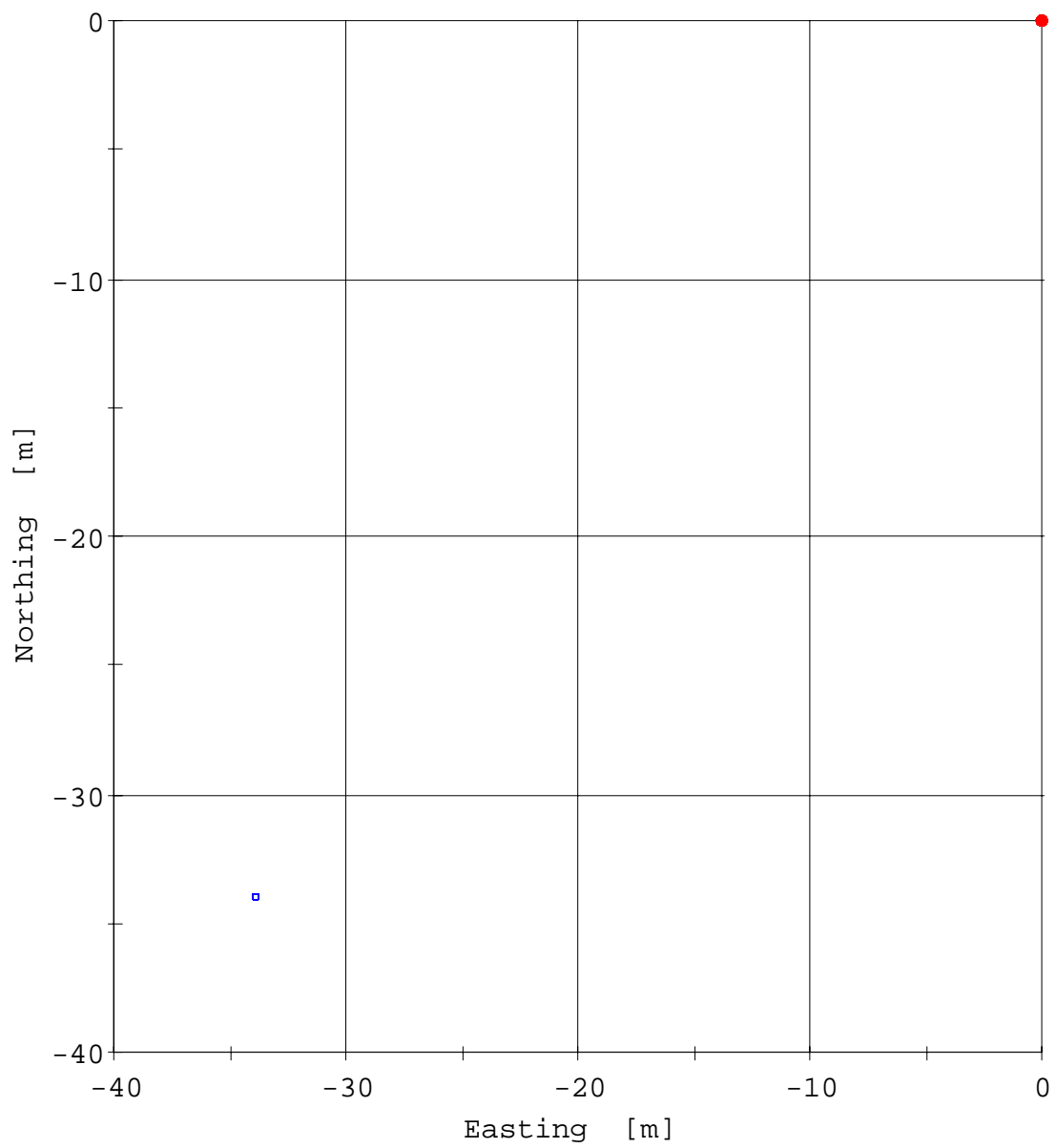
**Observer's Note (2/2)**

<b>Well depth[m]</b>	<b>Time</b>	<b>Shot Type</b>	<b>Shot#</b>	<b>Stack#</b>	<b>Source</b>	<b>Remarks</b>
675.0	03:28:30	SHOT	60	11	A	
664.0	04:02:07	SHOT	61	12	A	
664.0	04:02:25	SHOT	62	12	A	
664.0	04:02:47	SHOT	63	12	A	
664.0	04:03:19	SHOT	64	12	A	
664.0	04:04:05	SHOT	65	12	A	
664.0	04:05:10	SHOT	66	12	A	

# Source Geometry Sketch

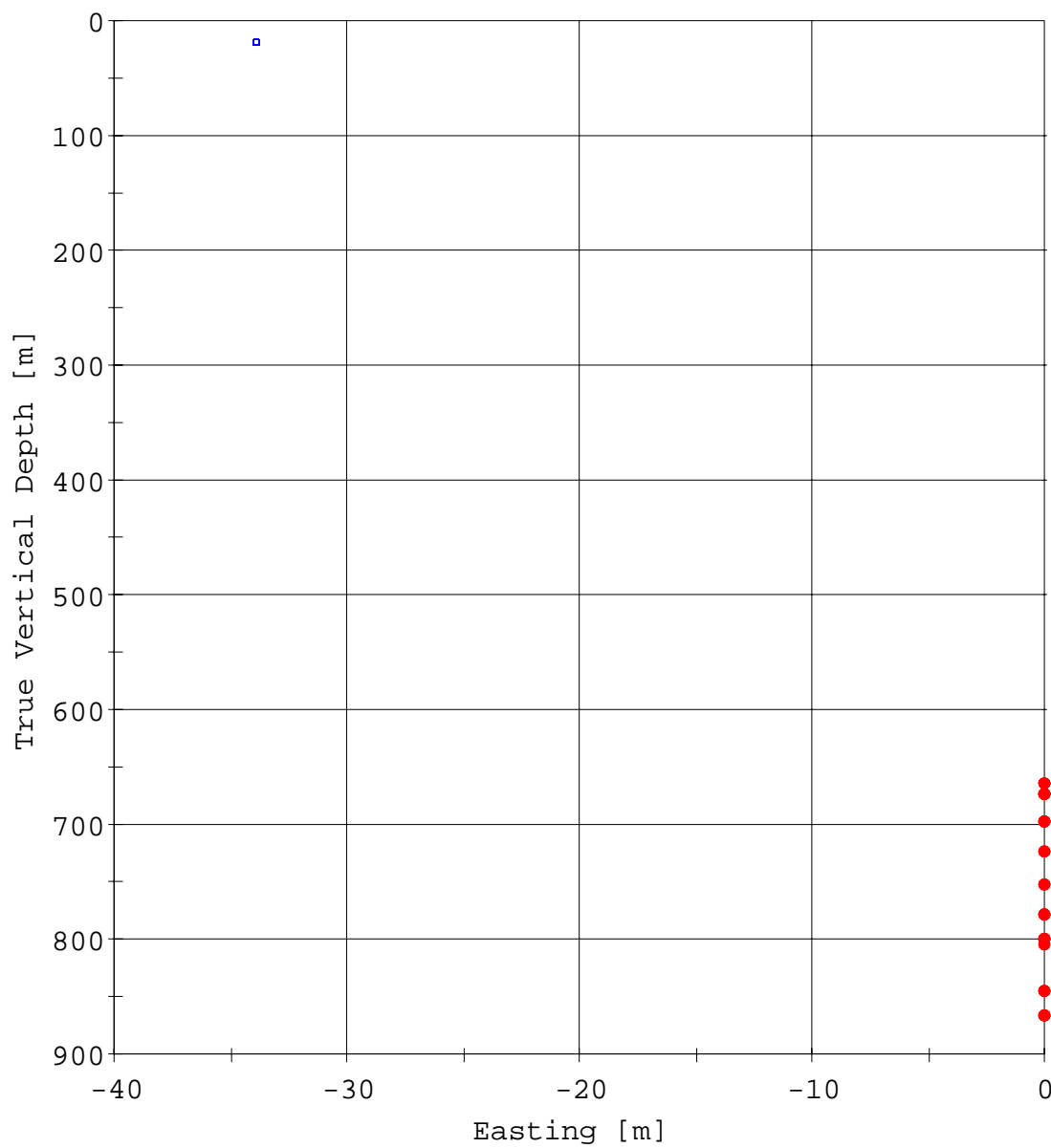


Geometry Infomation (X-Y)



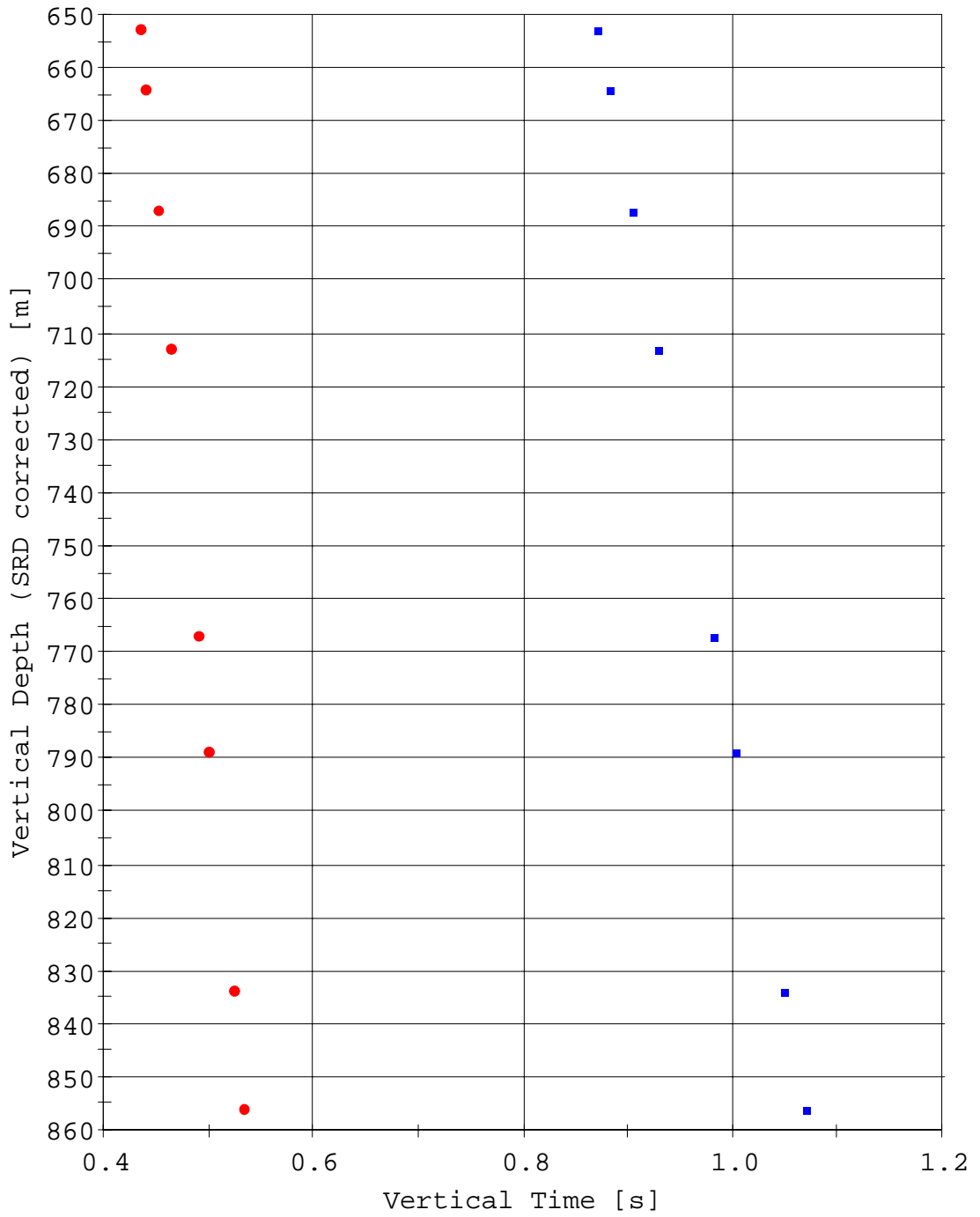
● Receiver Position  
□ Source Position

### Geometry Infomation (X-Z)



● Receiver Position  
□ Source Position

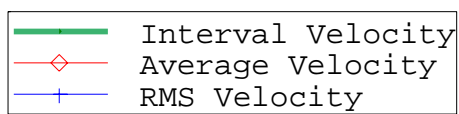
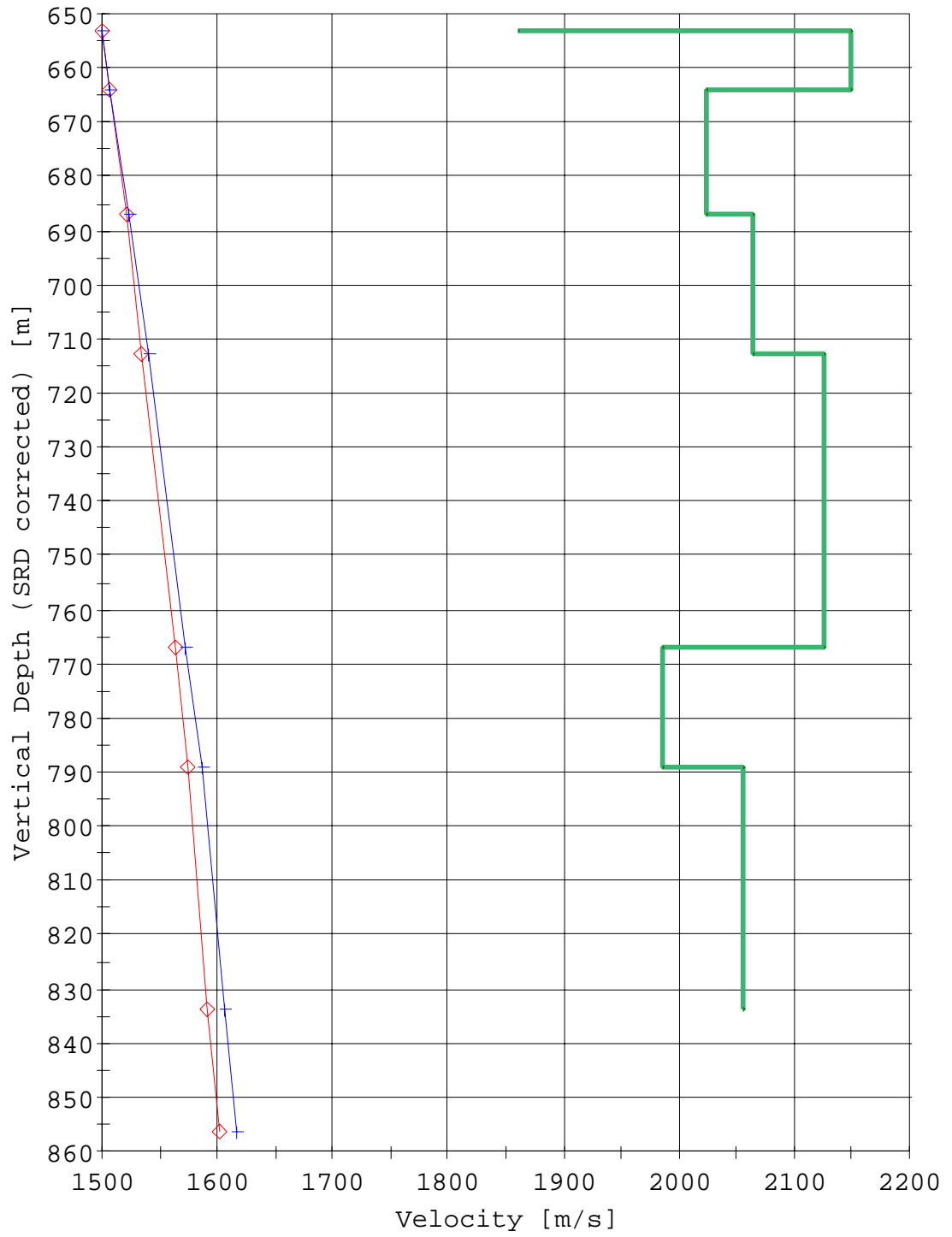
Time Depth Plot

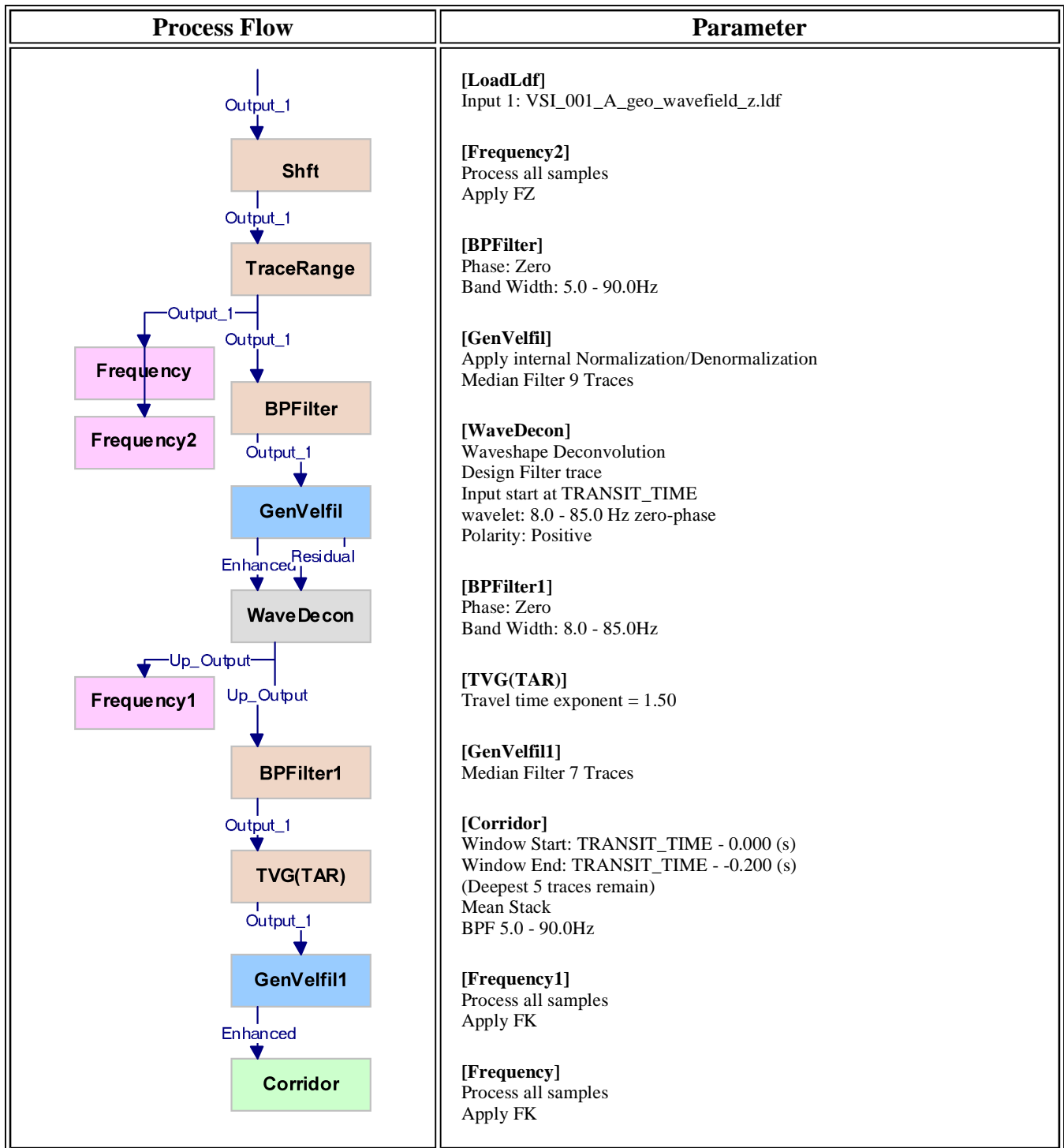


- One-way Vertical Time
- Two-way Vertical Time



Velocity Plot





[LoadLdf]

FileLoadLdf Parameters

Input 1: VSI\_001\_A\_geo\_wavelfield\_z.ldf

[Shft]

Shift Parameters

Shift: + TT\_SRD to TT Difference - 0 s

Update selected headers

[TraceRange]

Trace Range Set Manual Parameters

Trace Range Set Parameters

Remove Bad Trace

[Frequency2]

Spectral Analyser Parameters

Process all samples

Depth/Offset header = CABLE\_LENGTH

Output is Frequency Domain

Compute Amplitude spectrum in dB

[BPFfilter]

BPF Parameters

Butterworth Filter, Zero Phase

Characteristic: 5.000 Hz to 90.000 Hz Order 3

[GenVelFil]

Mean/Median Generalized Velocity Filter Parameters

Align events using times of TRANSIT\_TIME x 1.000

Compute both enhanced and residual output

Apply internal Normalization/Denormalization based on RMS of time window

From TRANSIT\_TIME - 0.020 s

Windown length = 0.500 s

Median Stacking

Stacking window (traces): 9

Stacking window (samples): 1

Source and receiver coordinates Parameters

Source Offset: SOURCE\_LINE\_POSITION\_RHO

Source Depth: SOURCE\_LINE\_POSITION\_Z

Receiver Offset: RECEIVER\_LINE\_POSITION\_RHO

Receiver Depth: RECEIVER\_LINE\_POSITION\_Z

[WaveDecon]

Waveshaping deconvolution Parameters

Design Filter trace by trace

Filter input start at TRANSIT\_TIME - 0.080 s

Filter input window: 1.000 s

Filter Length is filter input window

Desired wavelet created by filtered unit impulse from 8.000 Hz to 85.000 Hz , zero-phase

Positive wavelet polarity

Wavelet delay time = Filter Length / 2

White noise (%): 5.000

Waveshaping optimization Parameters

[BPFfilter1]

BPF Parameters

Butterworth Filter, Zero Phase

Characteristic: 8.000 Hz to 85.000 Hz Order 3

[TVG(TAR)]

Time-Varying Gain Parameters

Window start at TRANSIT\_TIME - 0.000000  
Window length = 4.999000  
Travel time exponent = 1.500000  
Exponential Weighting = 0.000000

[GenVelfill]

Mean/Median Generalized Velocity Filter Parameters  
Align events using times of TRANSIT\_TIME x -1.000  
Compute both enhanced and residual output  
Median Stacking  
Stacking window (traces): 7  
Stacking window (samples): 1  
Source and receiver coordinates Parameters  
Source Offset: SOURCE\_LINE\_POSITION\_RHO  
Source Depth: SOURCE\_LINE\_POSITION\_Z  
Receiver Offset: RECEIVER\_LINE\_POSITION\_RHO  
Receiver Depth: RECEIVER\_LINE\_POSITION\_Z

[Corridor]

Corridor stack Parameters  
Mute before TRANSIT\_TIME - 0 s  
Mute after TRANSIT\_TIME - -0.200 s  
All traces except the deepest (traces): 5  
Depth header: RECEIVER\_POSITION\_Z  
Mean stack  
Apply +TT with TRANSIT\_TIME  
Replicate corridor stack x 10  
Apply BPF on resulting corridor stack  
BPF Parameters  
Butterworth Filter, Zero Phase  
Characteristic: 5.000 Hz to 90.000 Hz Order 3

[Frequency1]

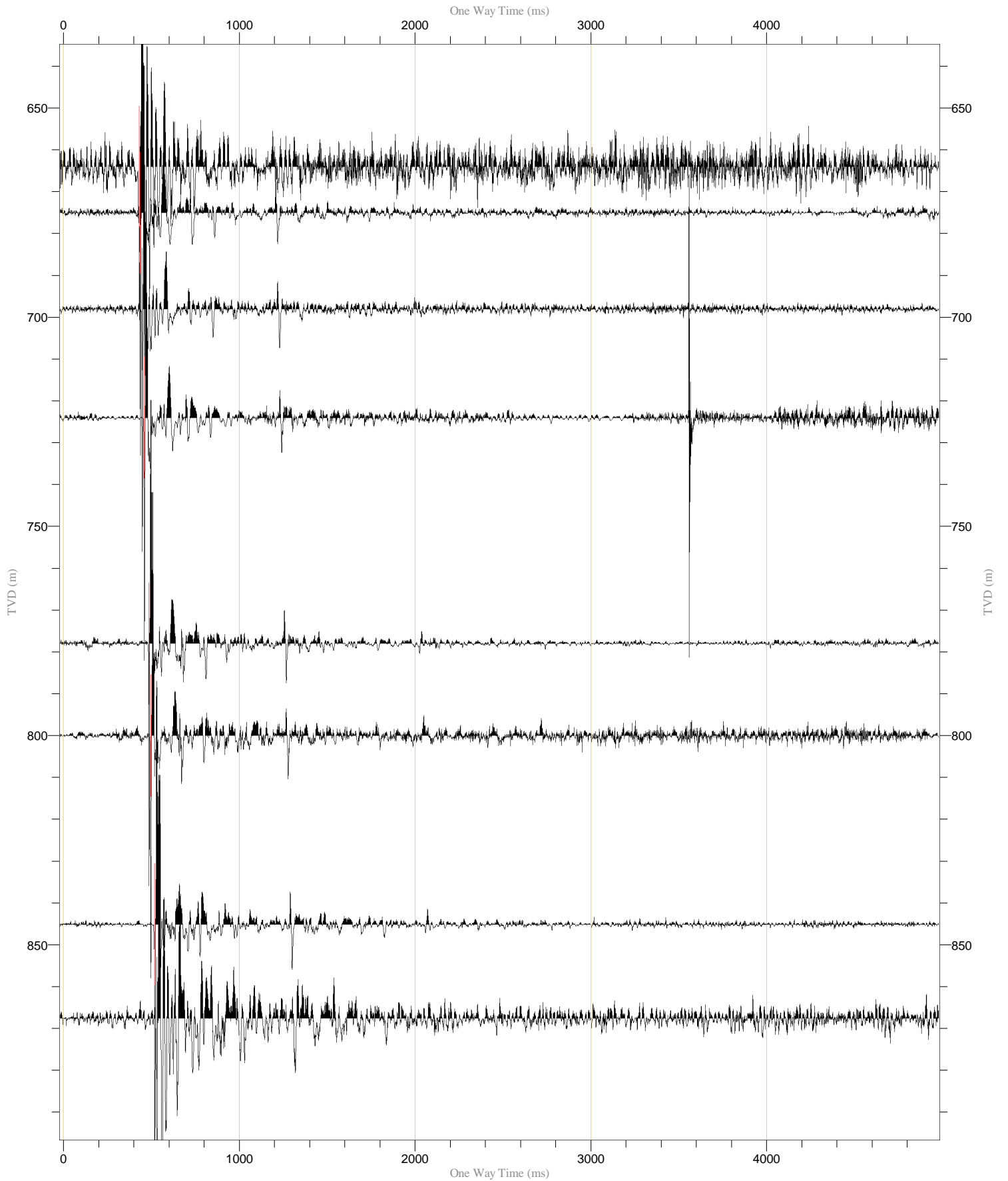
Spectral Analyser Parameters  
Process all samples  
Depth/Offset header = CABLE\_LENGTH  
Output is FK Domain  
Compute Amplitude spectrum in dB

[Frequency]

Spectral Analyser Parameters  
Process all samples  
Depth/Offset header = CABLE\_LENGTH  
Output is FK Domain  
Compute Amplitude spectrum in dB

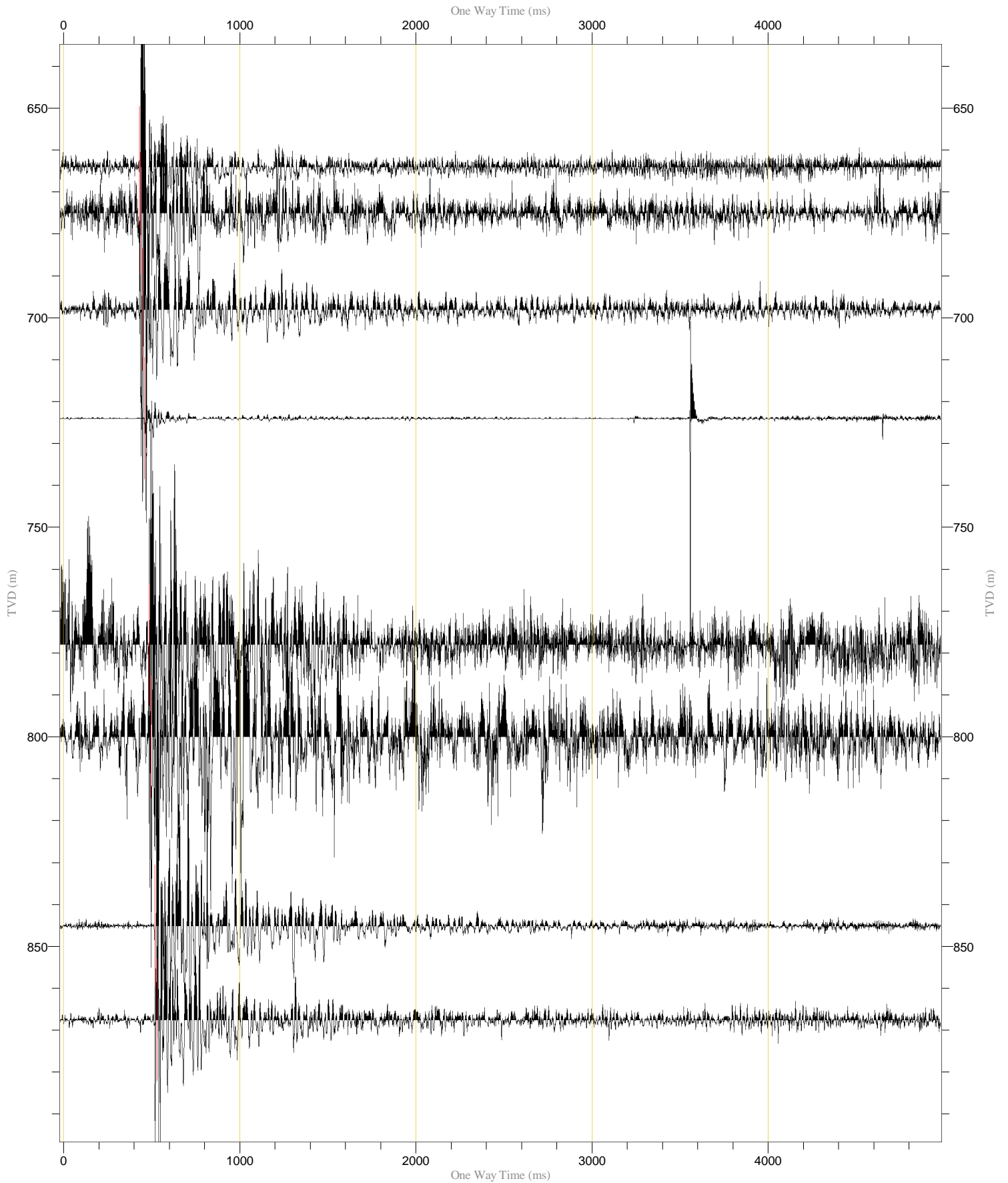
Raw Stack (Z)

Normalization Trace by Trace (250%)  
Polarity Normal  
One Way Time (ms)  
Scaling 3.5 cm/sec, 1/1200

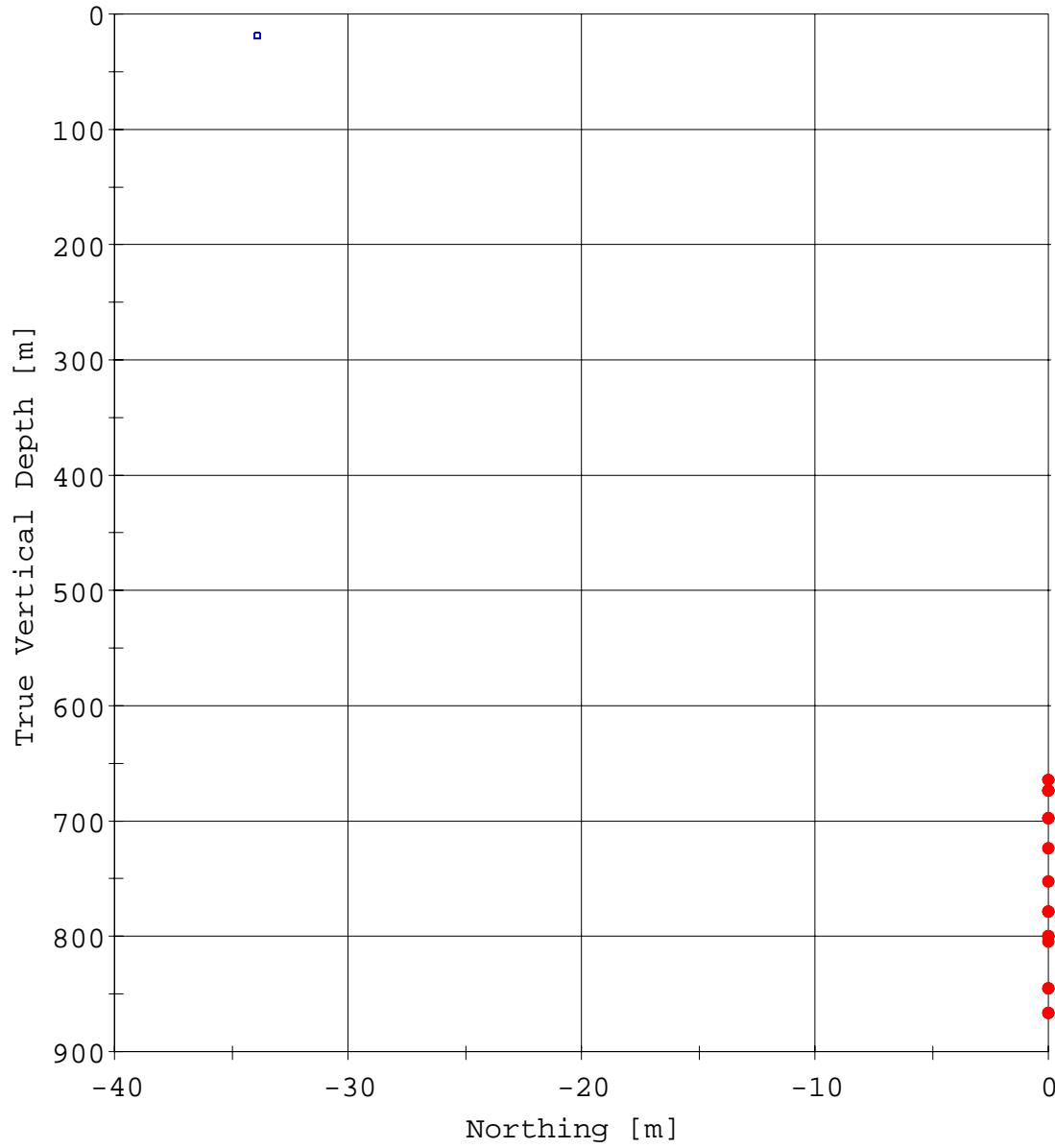


Raw Stack (X)

Normalization Trace by Trace (250%)  
Polarity Normal  
One Way Time (ms)  
Scaling 3.5 cm/sec, 1/1200



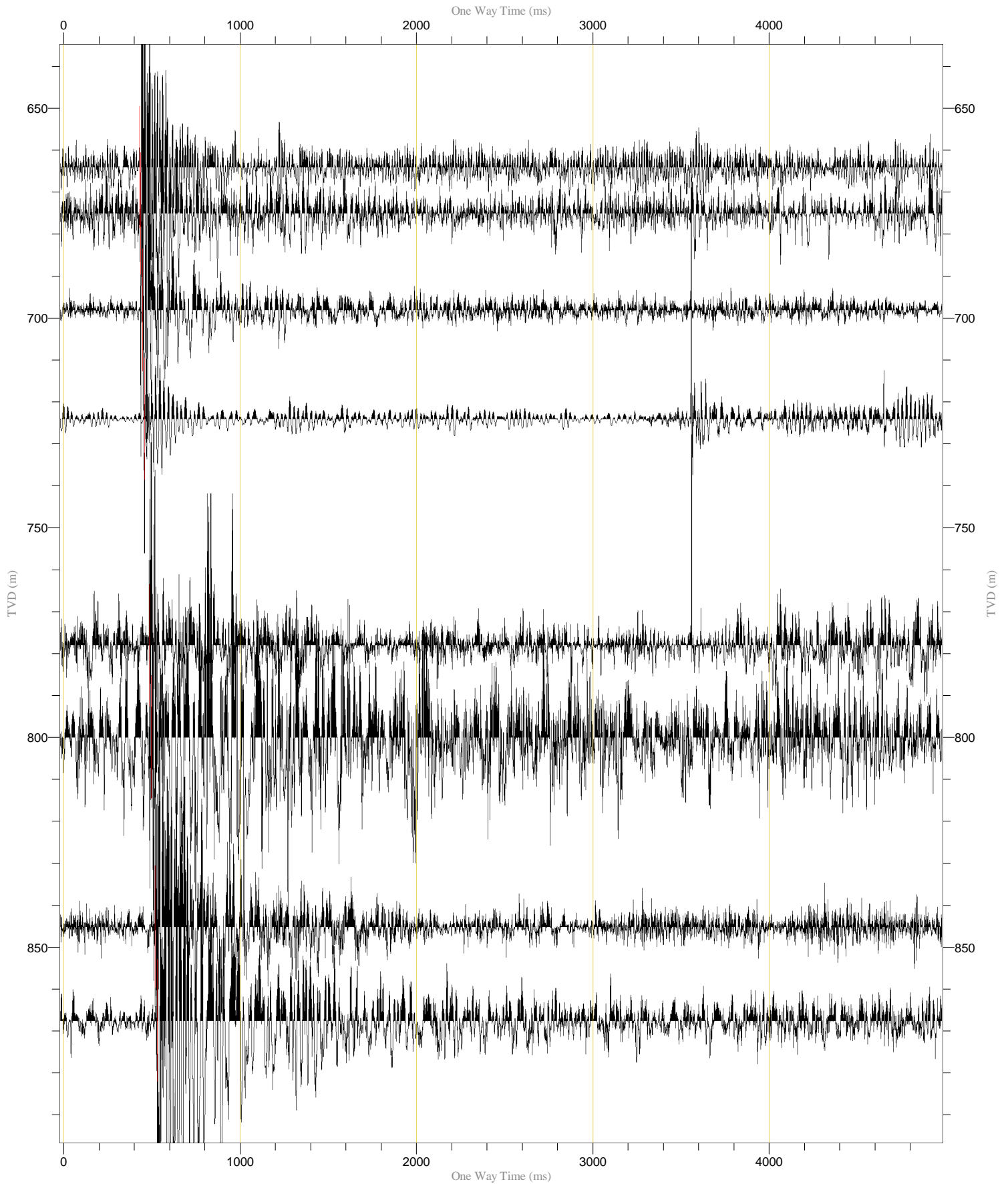
Geometry Infomation (Y-Z)



● Receiver Position  
□ Source Position

Raw Stack (Y)

Normalization Trace by Trace (250%)  
Polarity Normal  
One Way Time (ms)  
Scaling 3.5 cm/sec, 1/1200





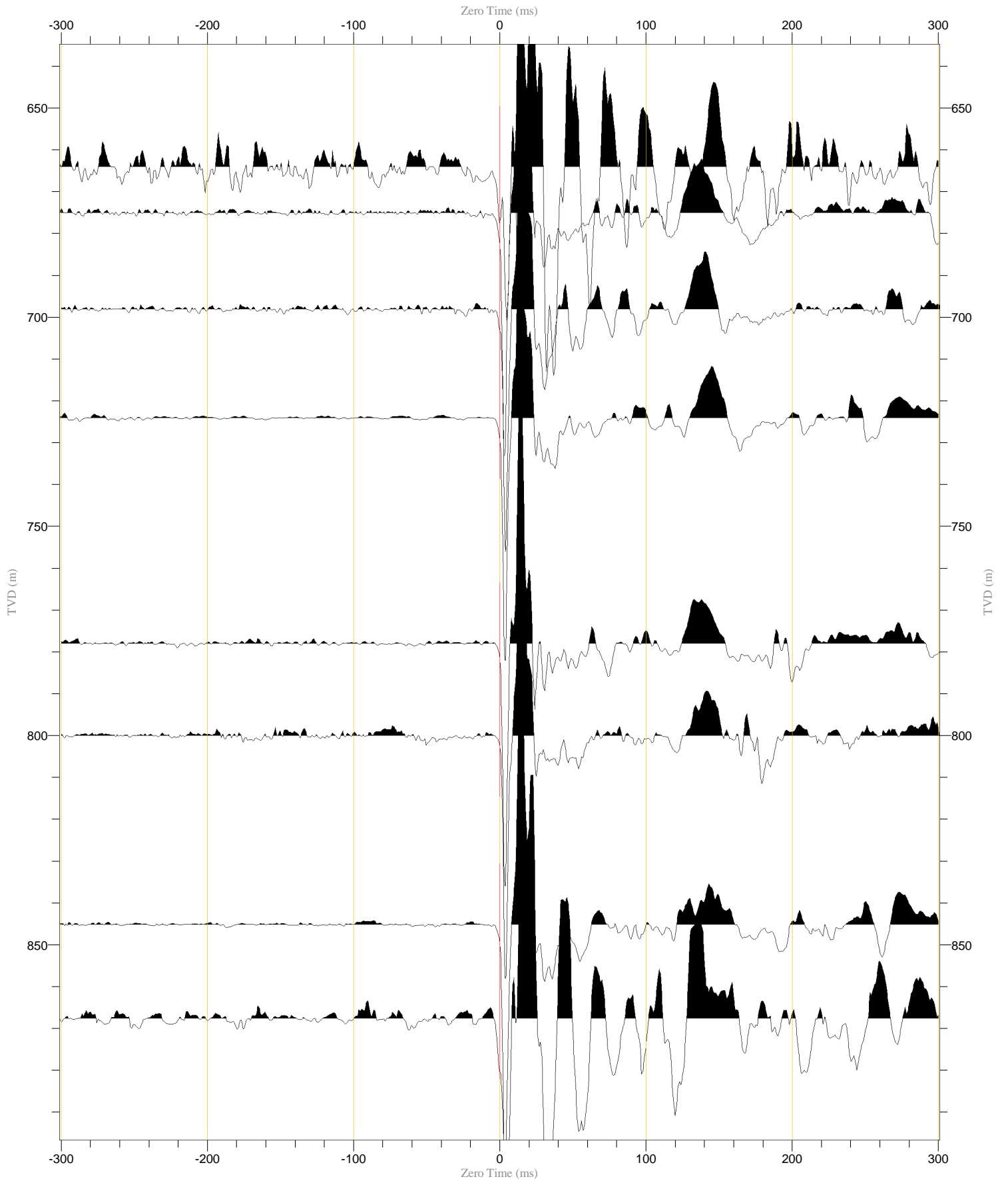
Raw Stack (Z) (Magnified)

Normalization Trace by Trace (250%)

Polarity Normal

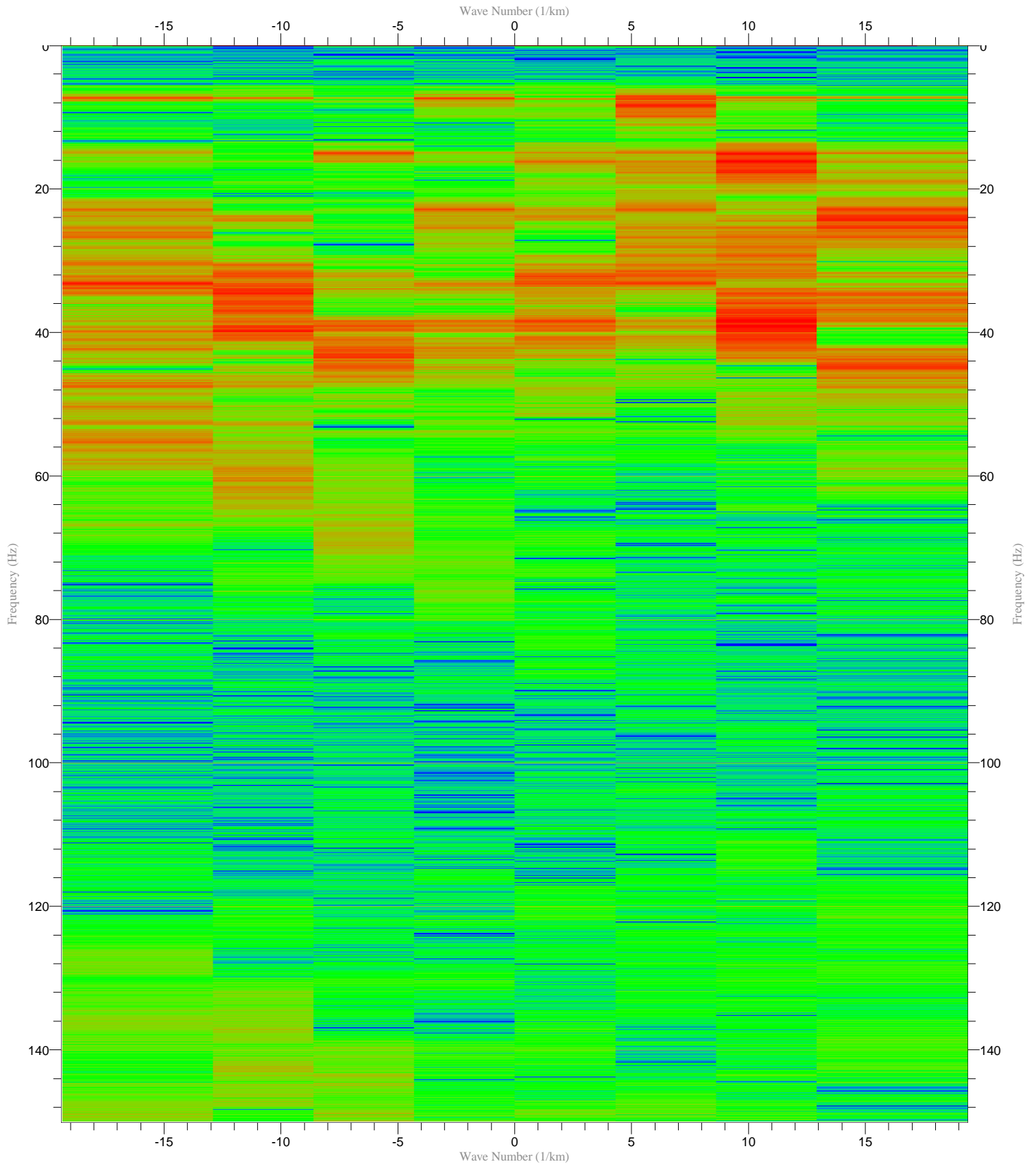
Zero Time (ms)

Scaling 29.1 cm/sec, 1/1200



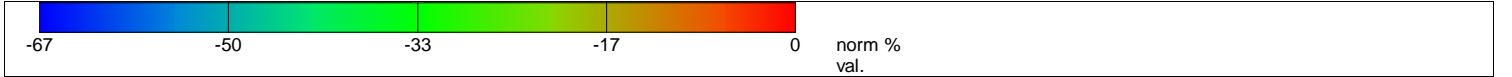
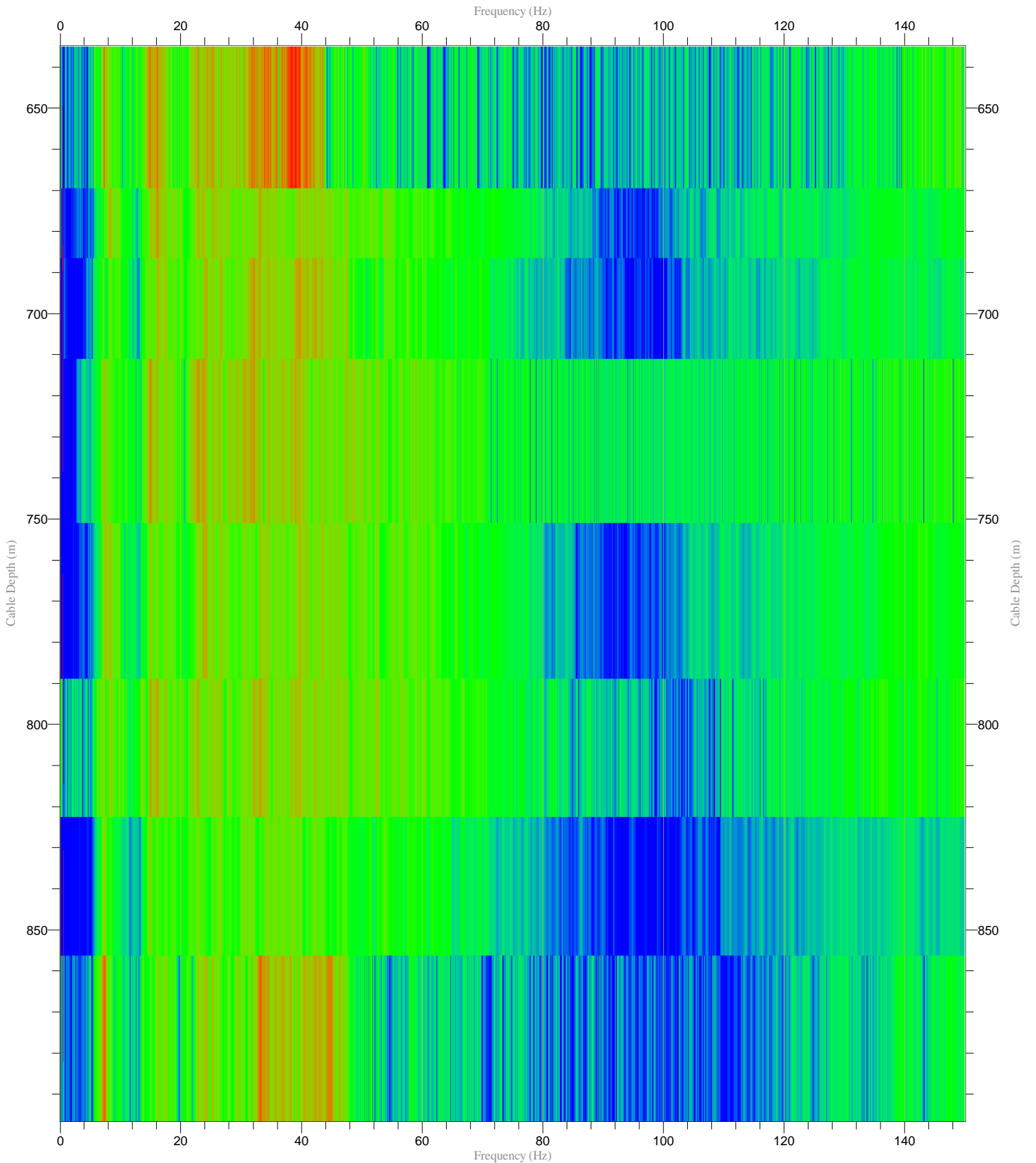
VSP Raw Stack (Z) FK  
Apply FK

Normalization First Trace in Gather (100%)  
Polarity Normal  
Frequency (Hz)  
Scaling 0.14 cm/Hz, 2.22(1/km)/cm



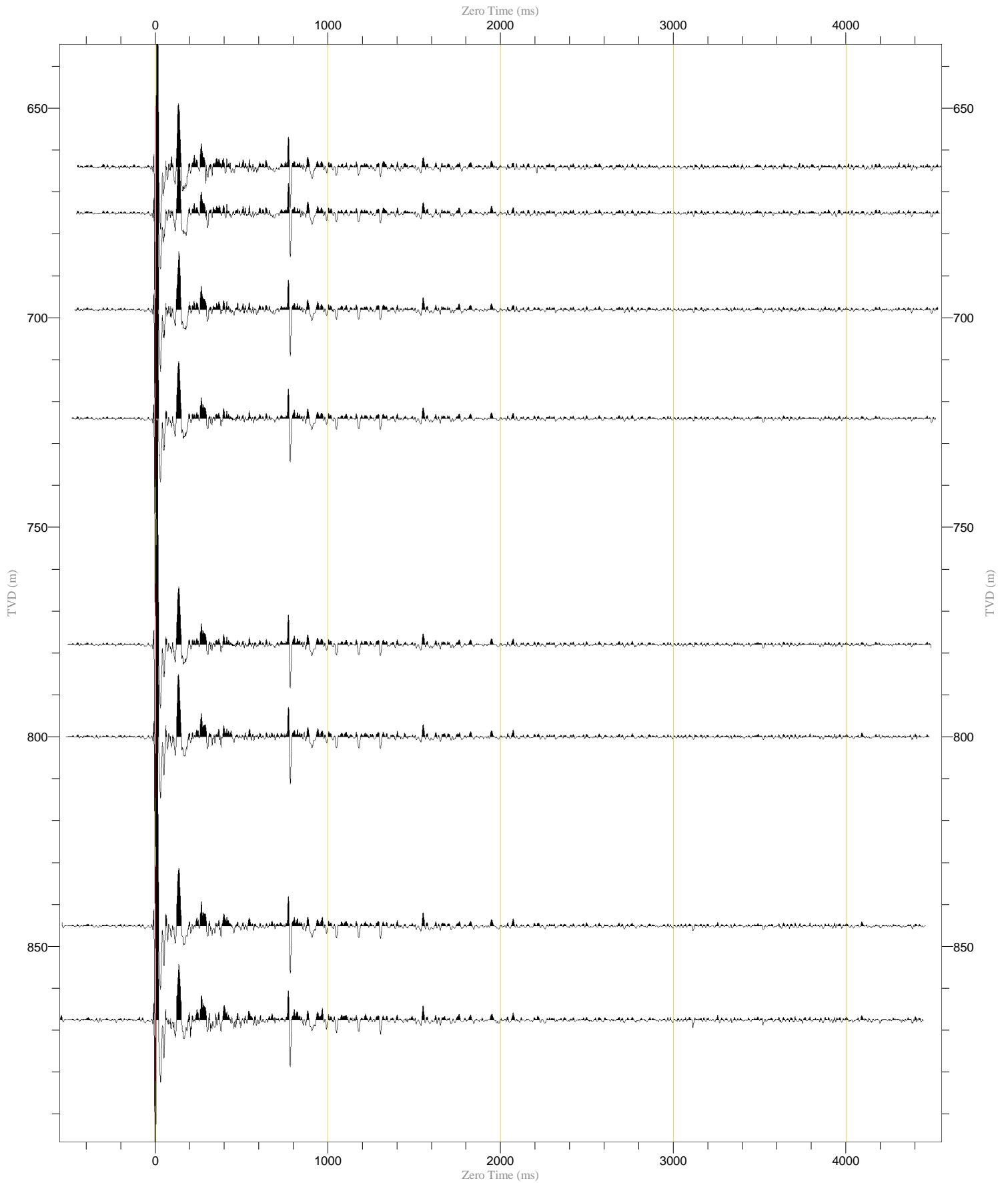
VSP Raw Stack (Z) FZ  
Apply FZ

Normalization Trace by Trace (100%)  
Polarity Normal  
Frequency (Hz)  
Scaling 0.1 cm/Hz, 1/1210



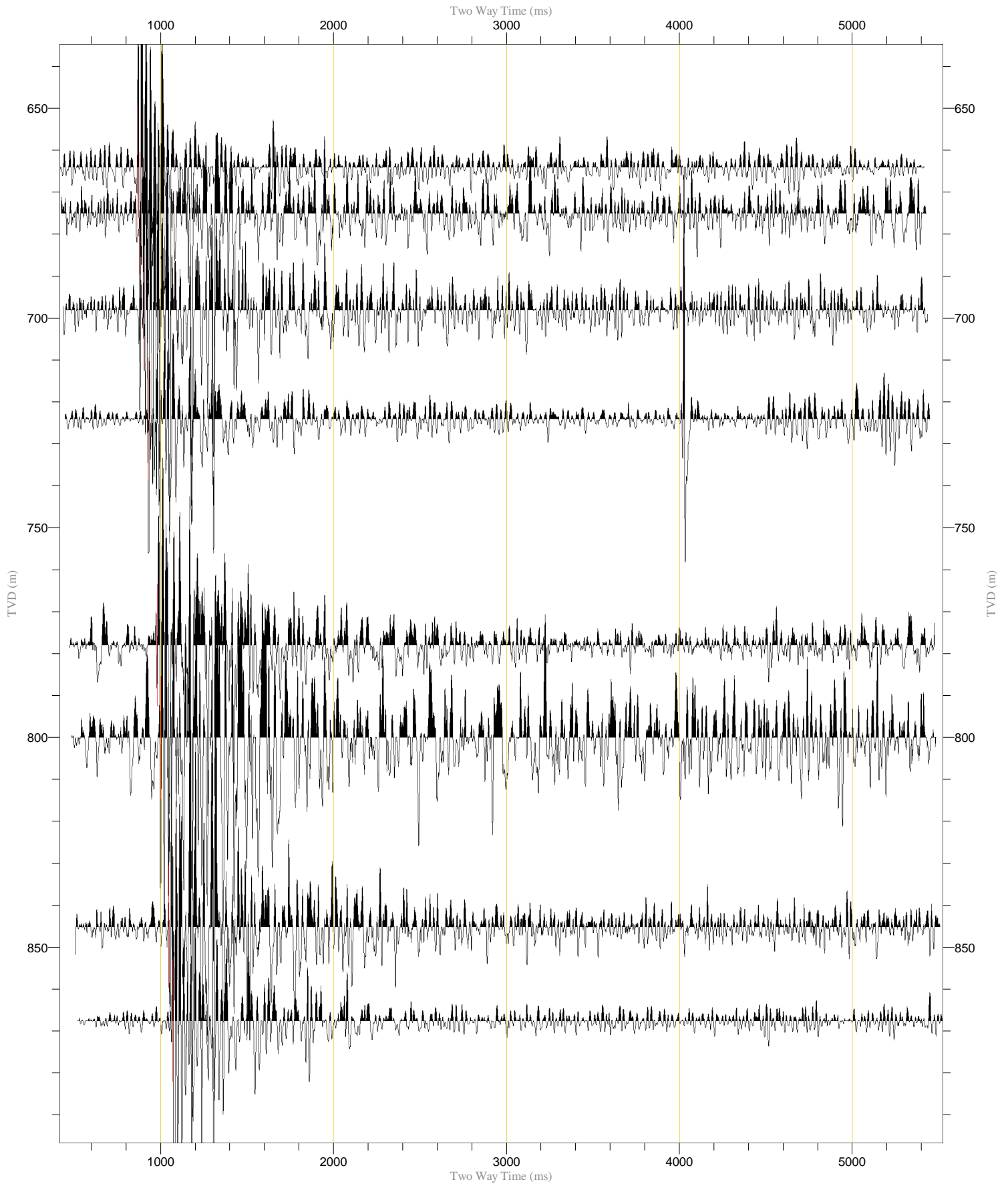
VSP Downgoing  
BPF 5.0 - 90.0Hz  
Median Filter 9 Traces

Normalization Trace by Trace (250%)  
Polarity Normal  
Zero Time (ms)  
Scaling 3.4 cm/sec, 1/1200



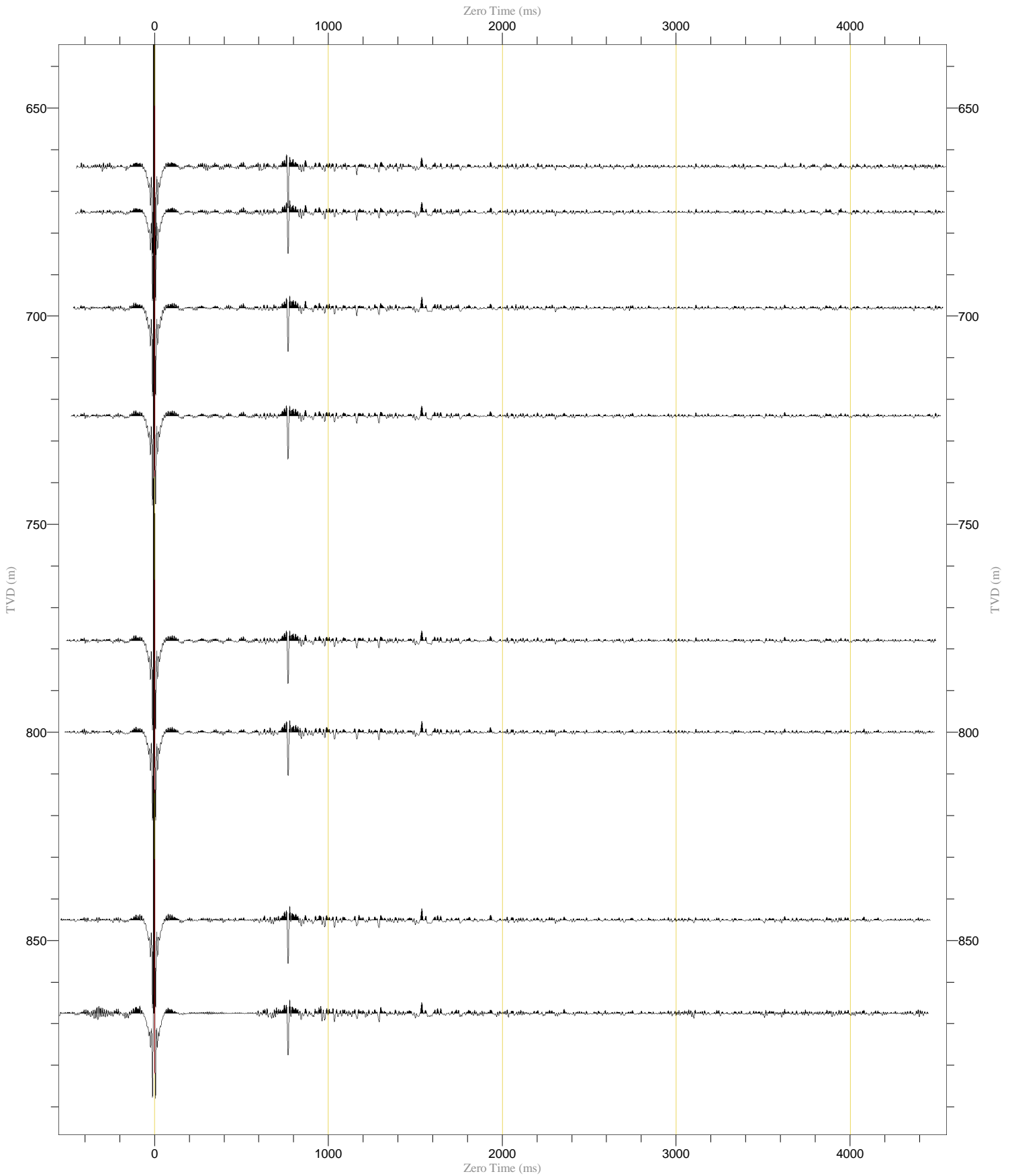
VSP Upgoing  
BPF 5.0 - 90.0Hz  
Median Filter 9 Traces

Normalization Trace by Trace (250%)  
Polarity Normal  
Two Way Time (ms)  
Scaling 3.4 cm/sec, 1/1200



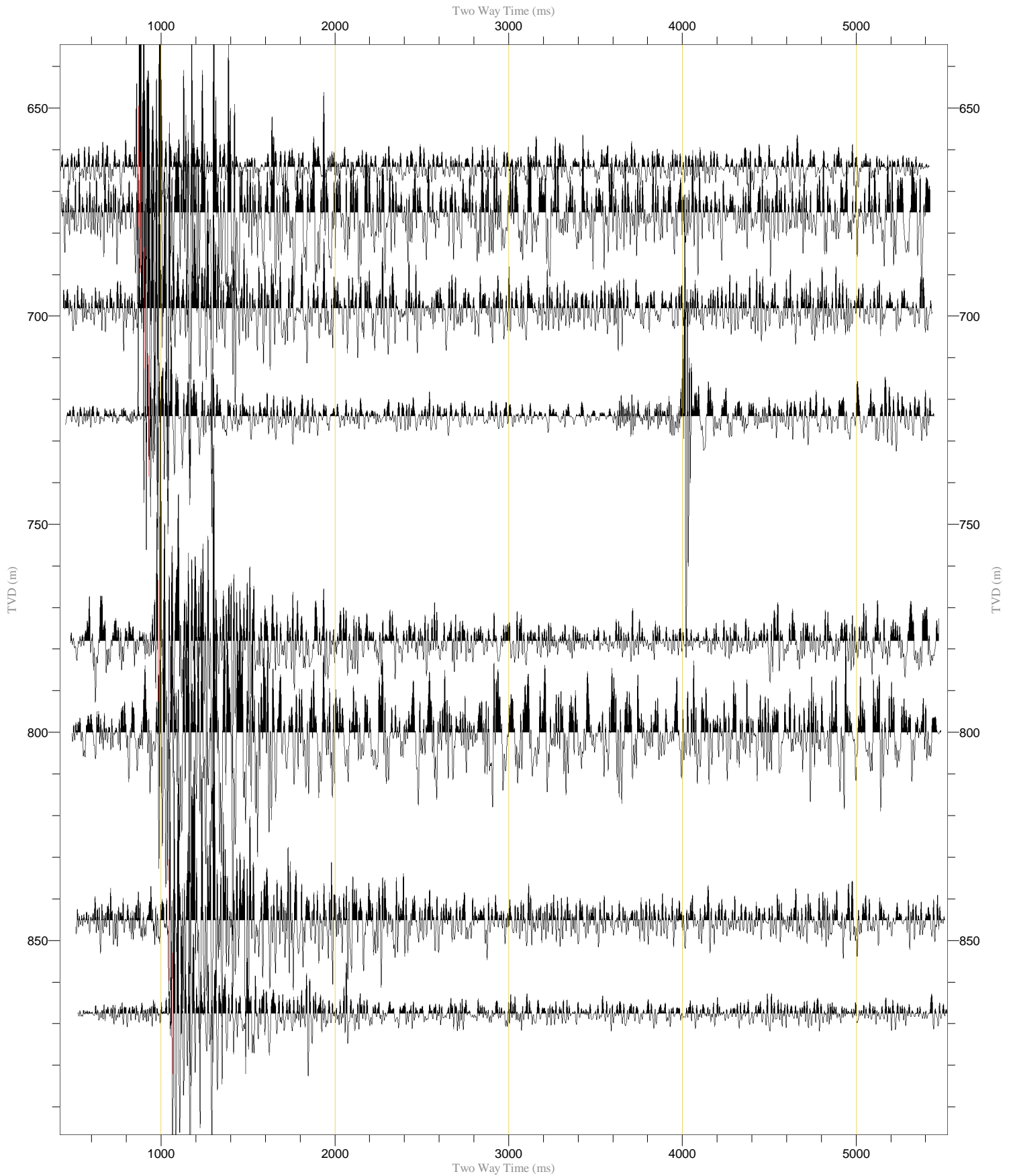
VSP Waveshape decon downgoing  
BPF 5.0 - 90.0Hz  
Median Filter 9 Traces  
Waveshape Decon.(wavelet: 8.0 - 85.0 Hz zero-phase)

Normalization Trace by Trace (250%)  
Polarity Normal  
Zero Time (ms)  
Scaling 3.4 cm/sec, 1/1220



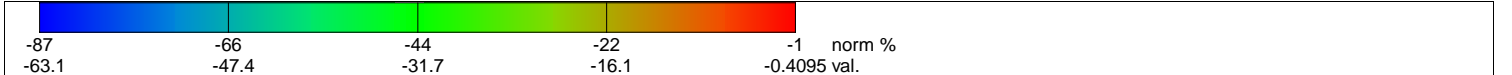
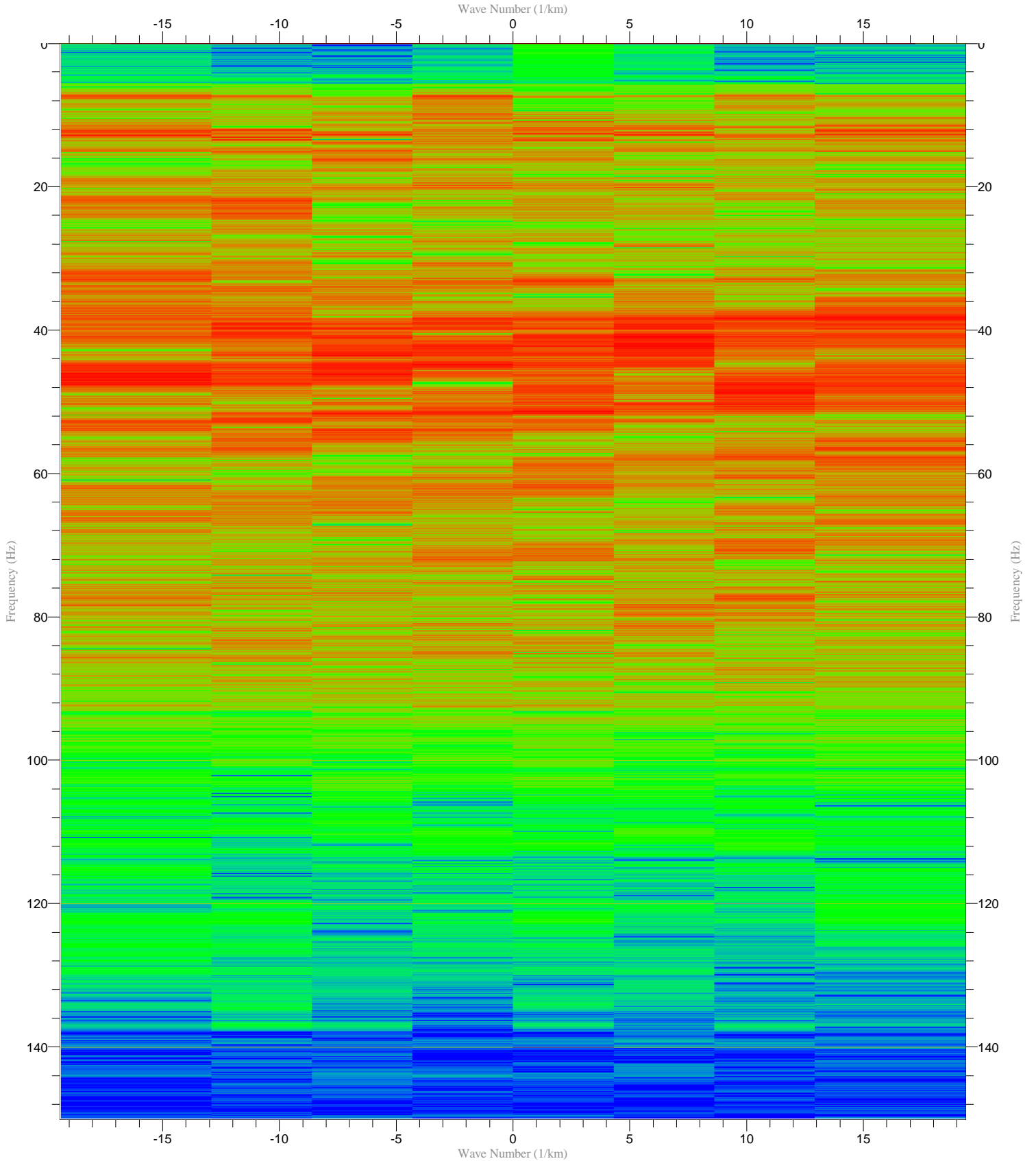
VSP Waveshape decon upgoing  
BPF 5.0 - 90.0Hz  
Median Filter 9 Traces  
Waveshape Decon.(wavelet: 8.0 - 85.0 Hz zero-phase)

Normalization Trace by Trace (250%)  
Polarity Normal  
Two Way Time (ms)  
Scaling 3.4 cm/sec, 1/1220



VSP Waveshape decon upgoing FK  
Apply FK

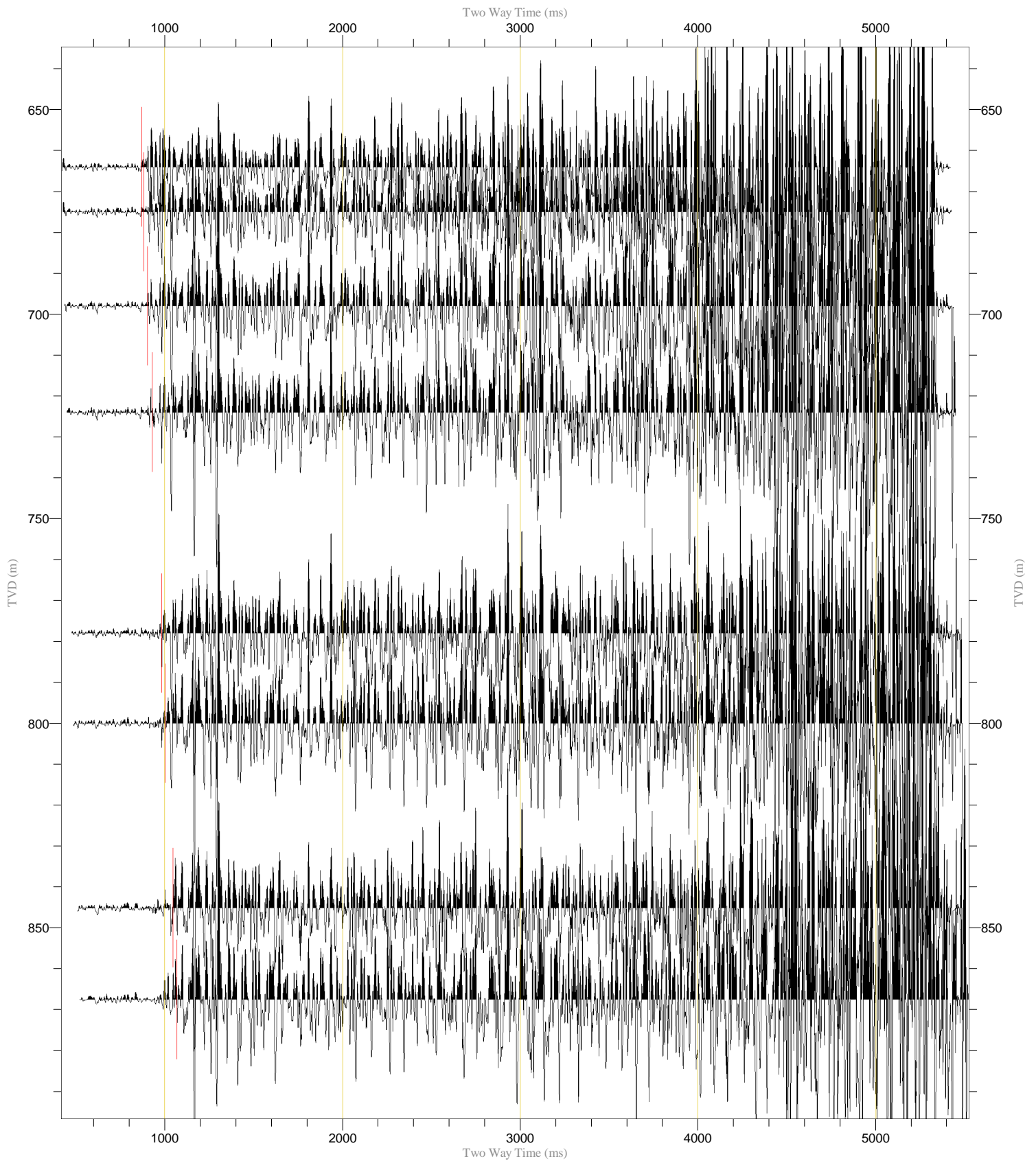
Normalization First Trace in Gather (100%)  
Polarity Normal  
Frequency (Hz)  
Scaling 0.14 cm/Hz, 2.22(1/km)/cm





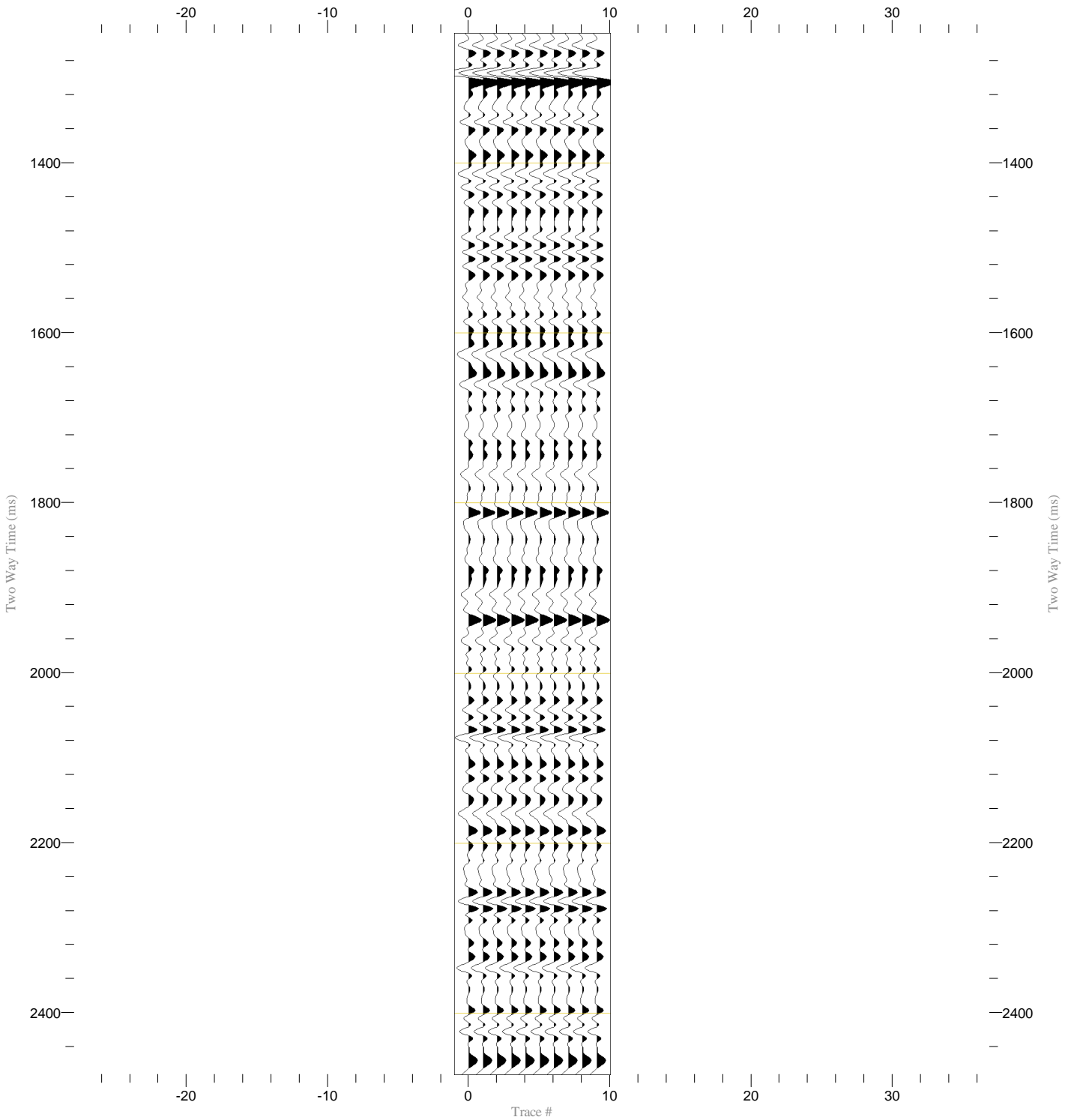
VSP Corridor Stack (Input)  
BPF 5.0 - 90.0Hz  
Median Filter 9 Traces  
Waveshape Decon.(wavelet: 8.0 - 85.0 Hz zero-phase)  
BPF 8.0 - 85.0Hz  
Travel time exponent = 1.50  
Median Filter 7 Traces

Normalization Trace by Trace (250%)  
Polarity Normal  
Two Way Time (ms)  
Scaling 3.4 cm/sec, 1/1270



VSP Corridor Stack (output)  
BPF 5.0 - 90.0Hz  
Median Filter 9 Traces  
Waveshape Decon.(wavelet: 8.0 - 85.0 Hz zero-phase)  
BPF 8.0 - 85.0Hz  
Travel time exponent = 1.50  
Median Filter 7 Traces  
Corridor Stack (Mean): BPF 5.0 - 90.0Hz

Normalization Trace by Trace (250%)  
Polarity Normal  
Two Way Time (ms)  
Scaling 15.00 cm/sec, 4.01/cm



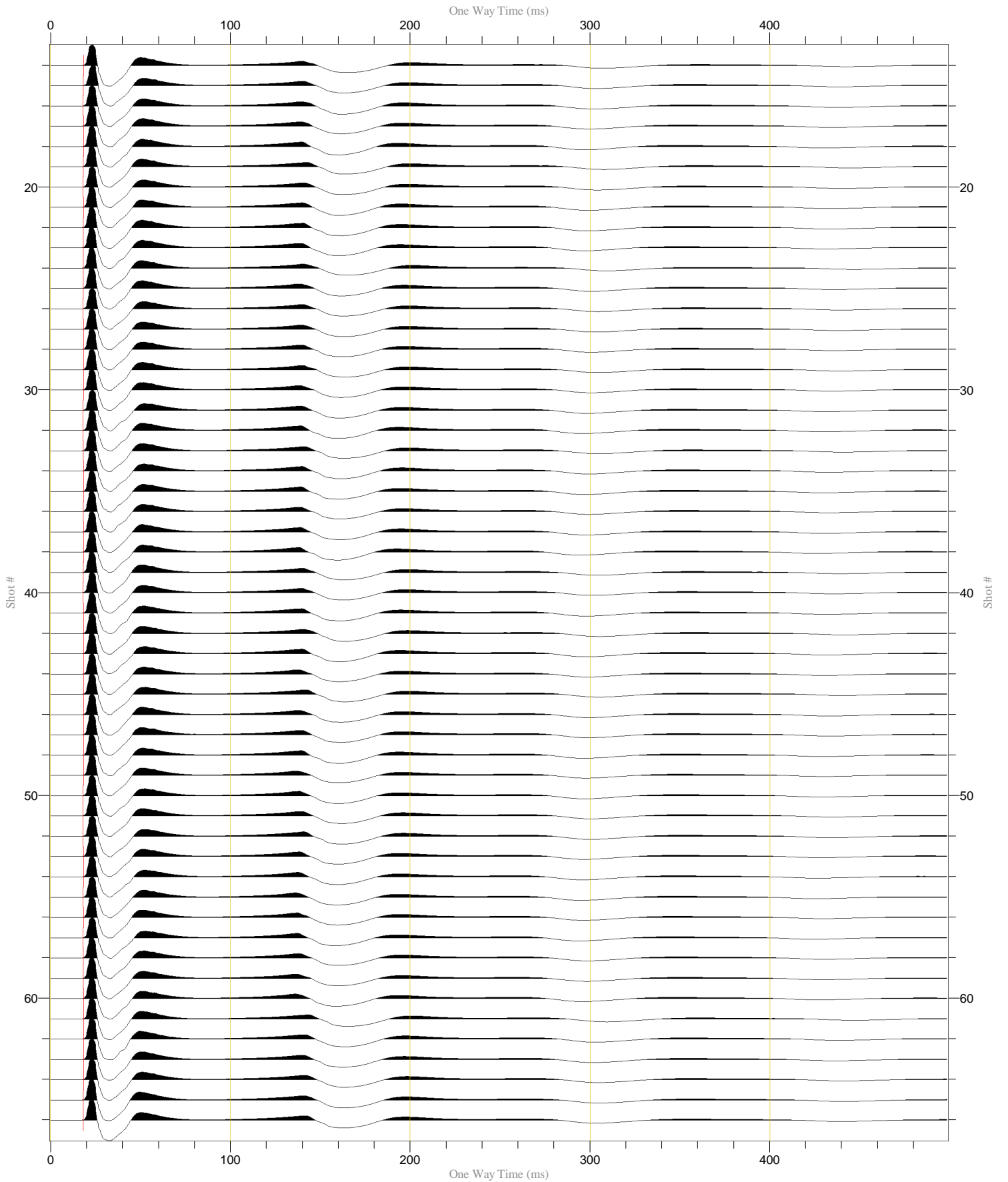
Source Sensor Signature

Normalization Trace by Trace (100%)

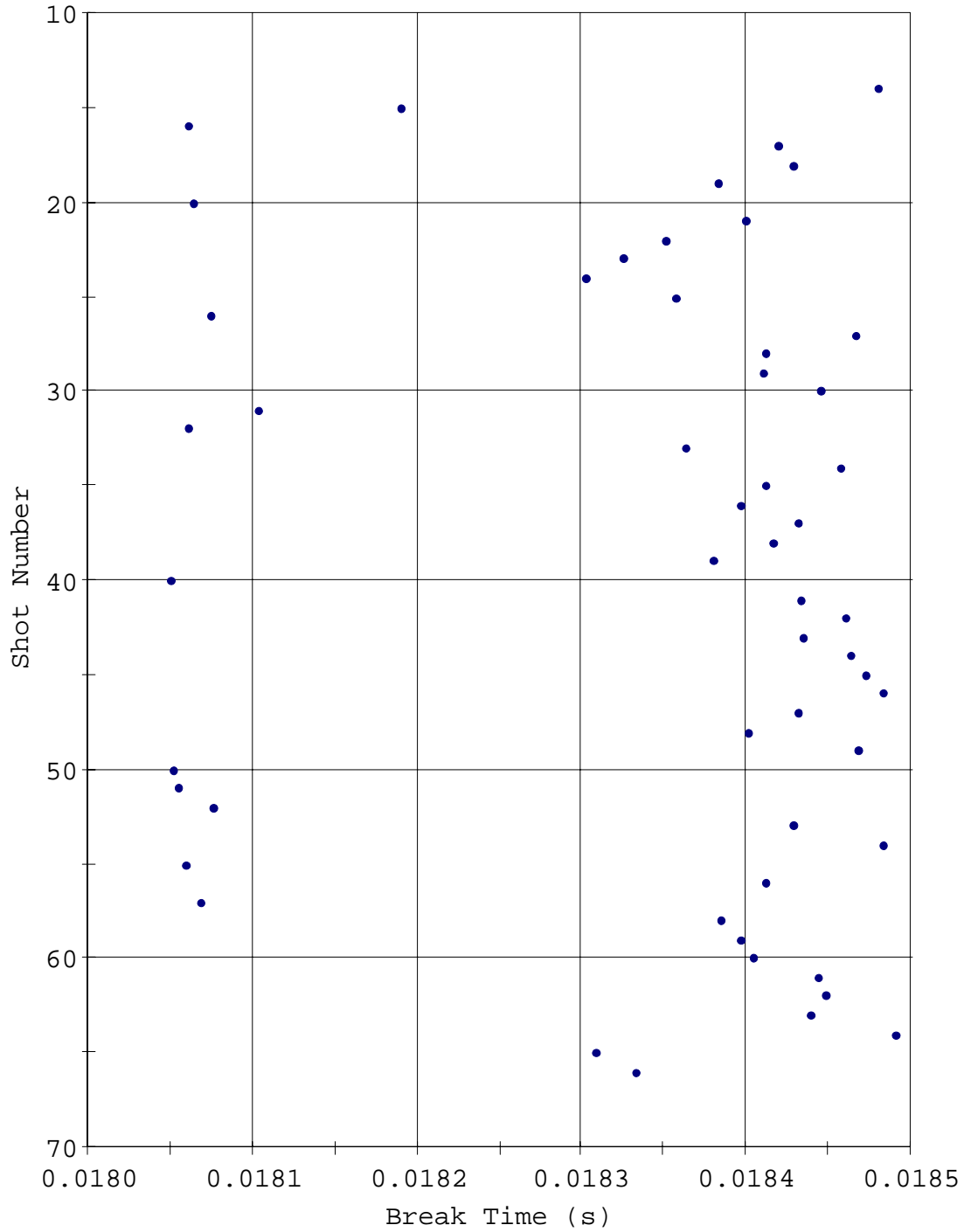
Polarity Normal

One Way Time (ms)

Scaling 35.67 cm/sec, 2.48/cm

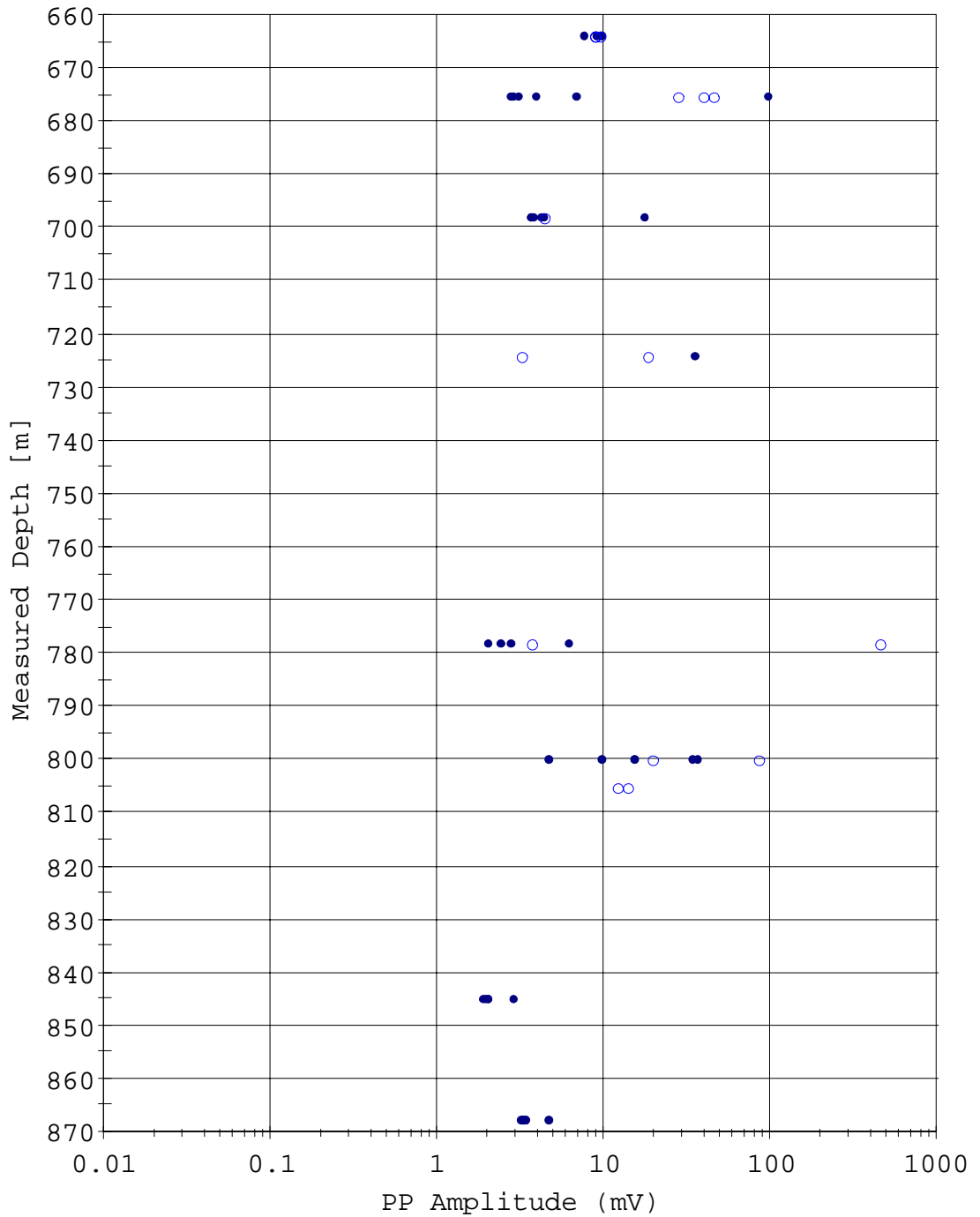


Surface Sensor QC Plot Page



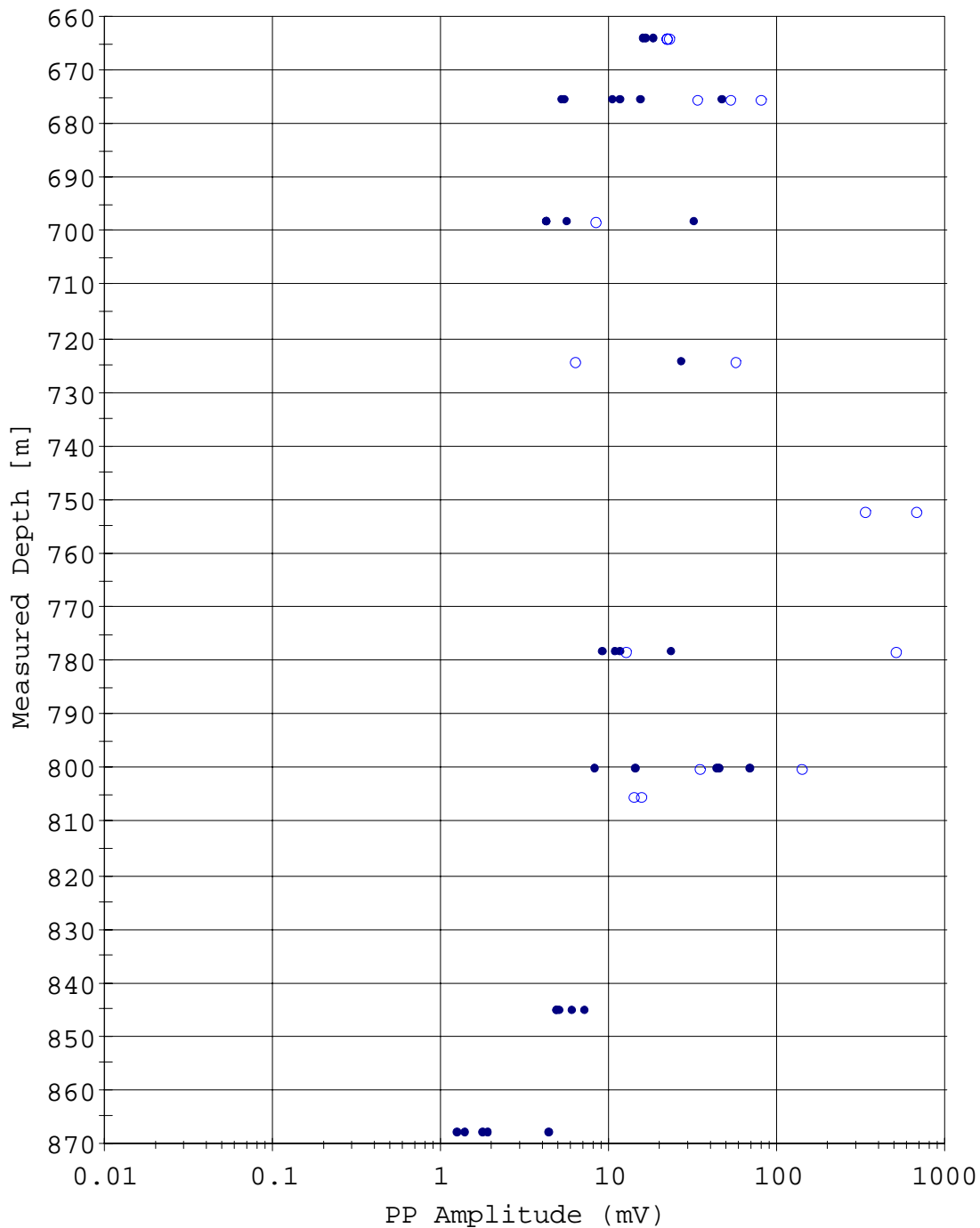
• Surface Sensor Break Time

Peak To Peak Plot (X)



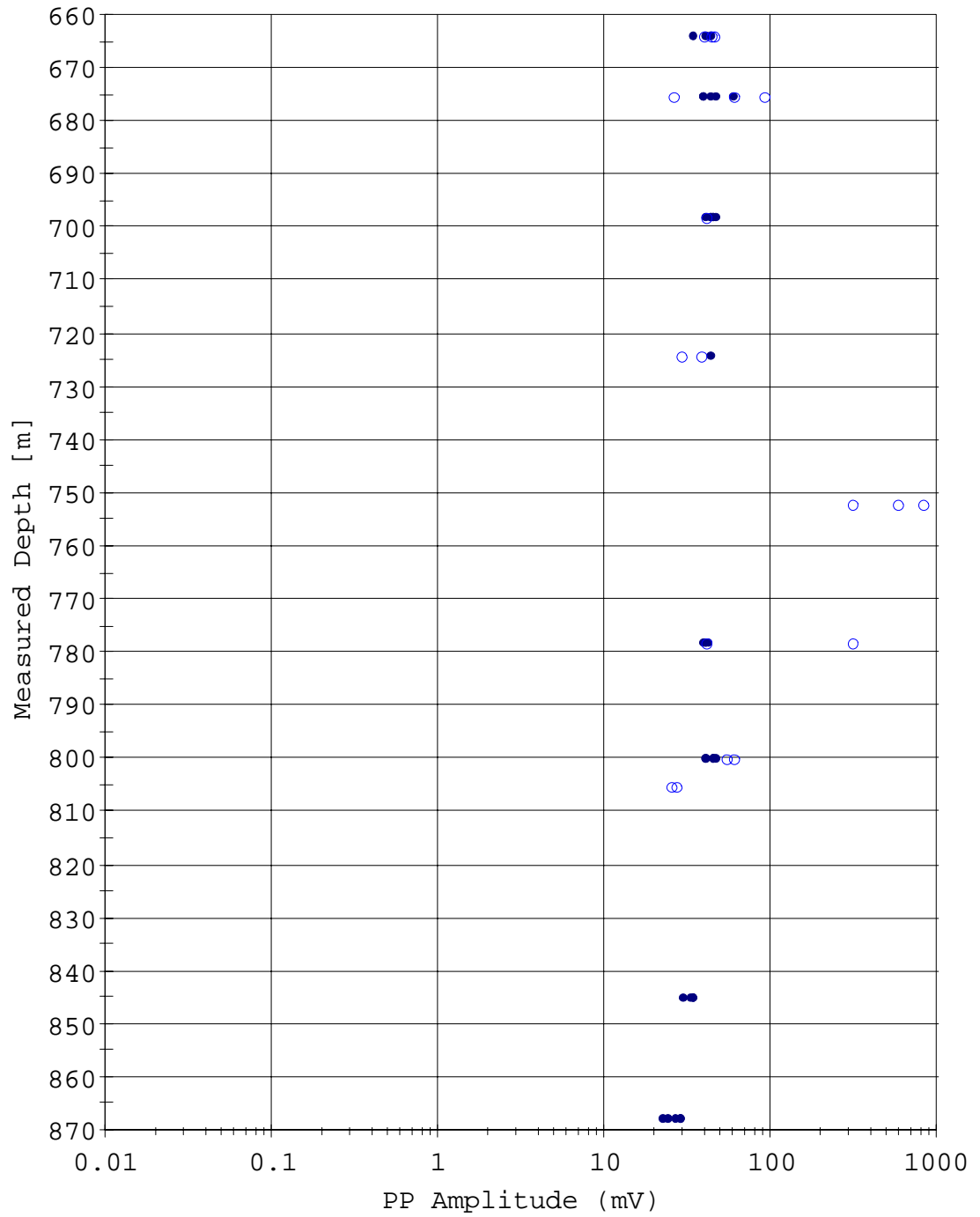
- PP Amplitude (mV) accepted for stack
- PP Amplitude (mV) rejected

Peak To Peak Plot (Y)



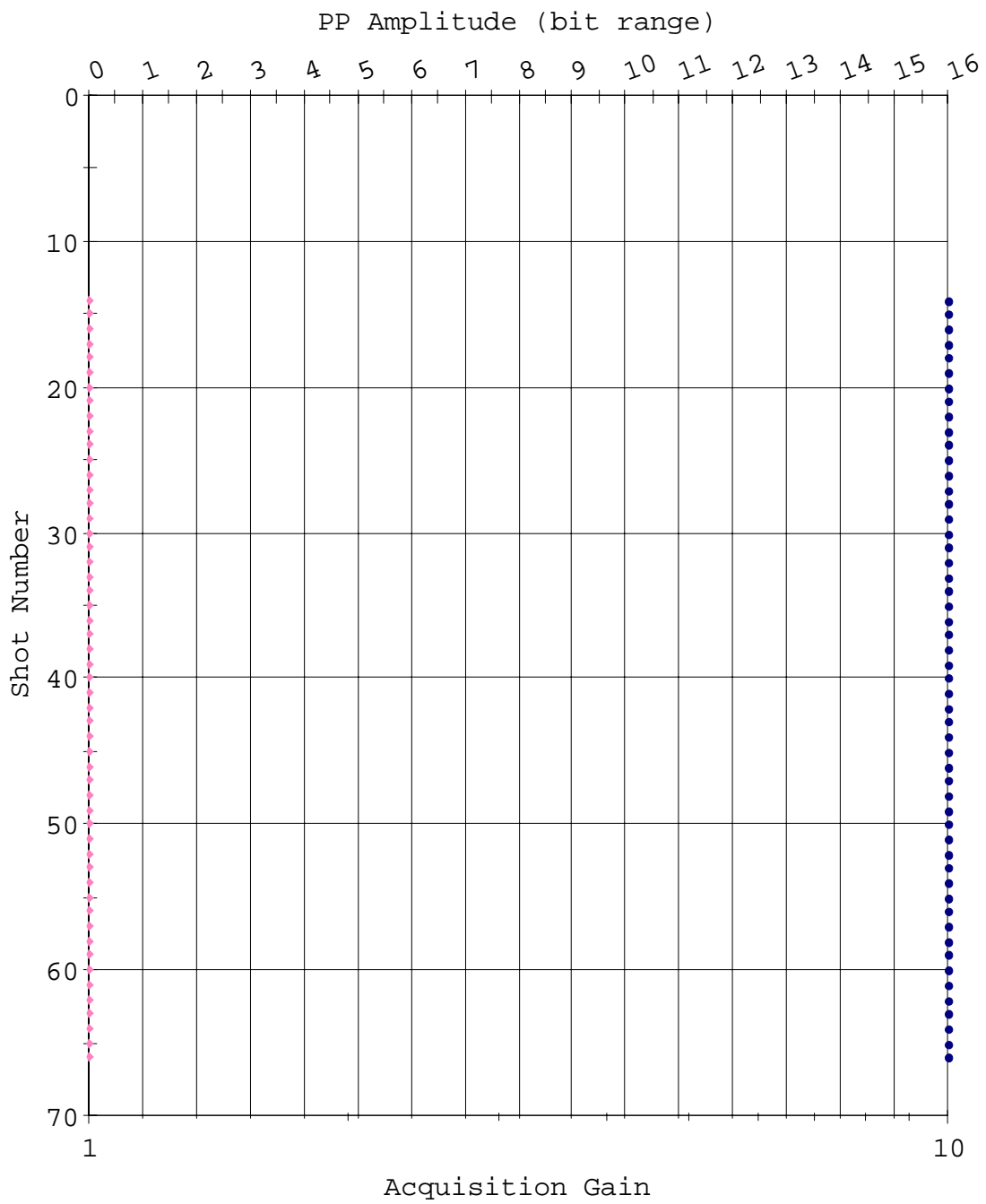
• PP Amplitude (mV) accepted for stack  
○ PP Amplitude (mV) rejected

Peak To Peak Plot (Z)



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

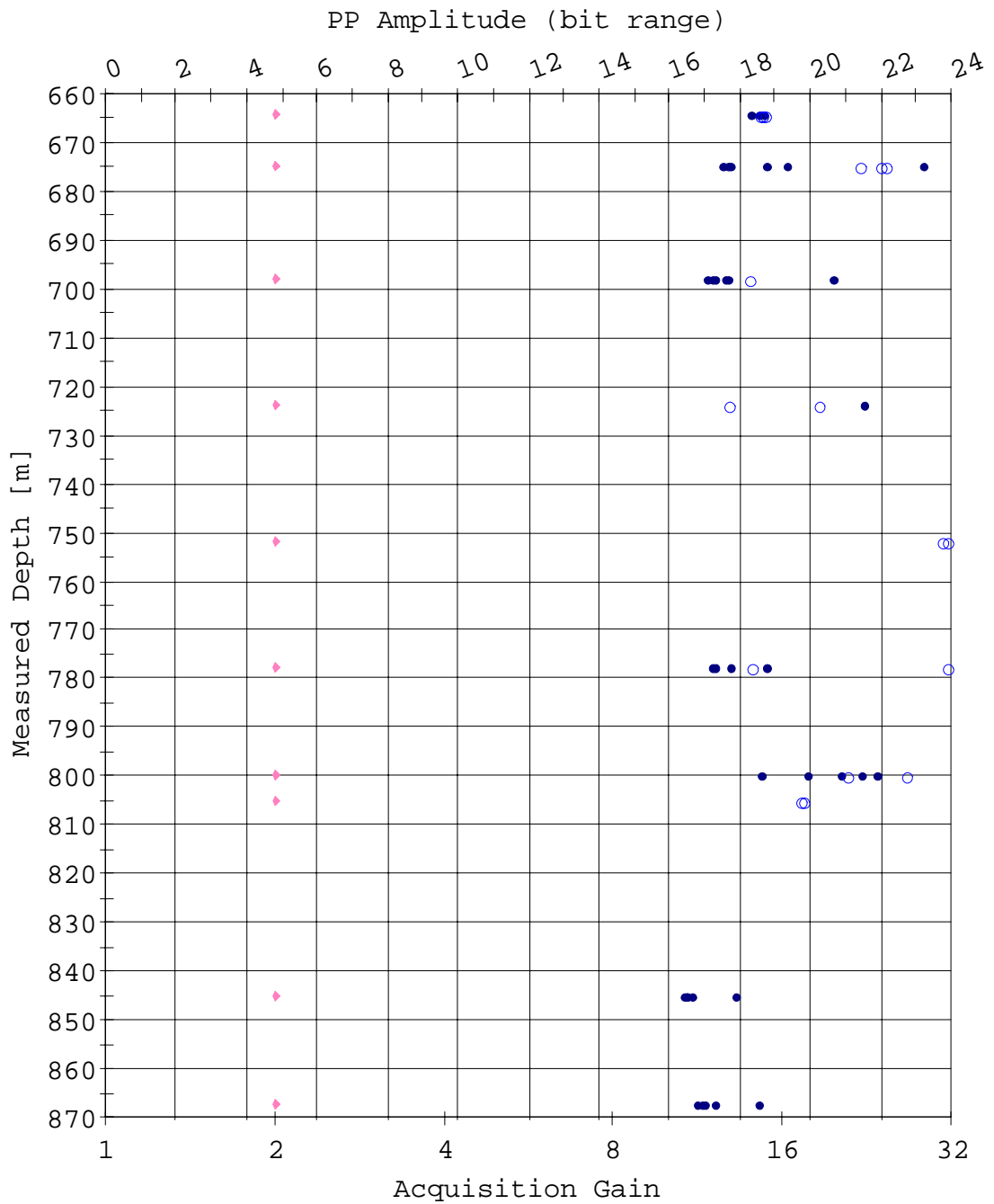
### Amplitude QC Plot (Surface)



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



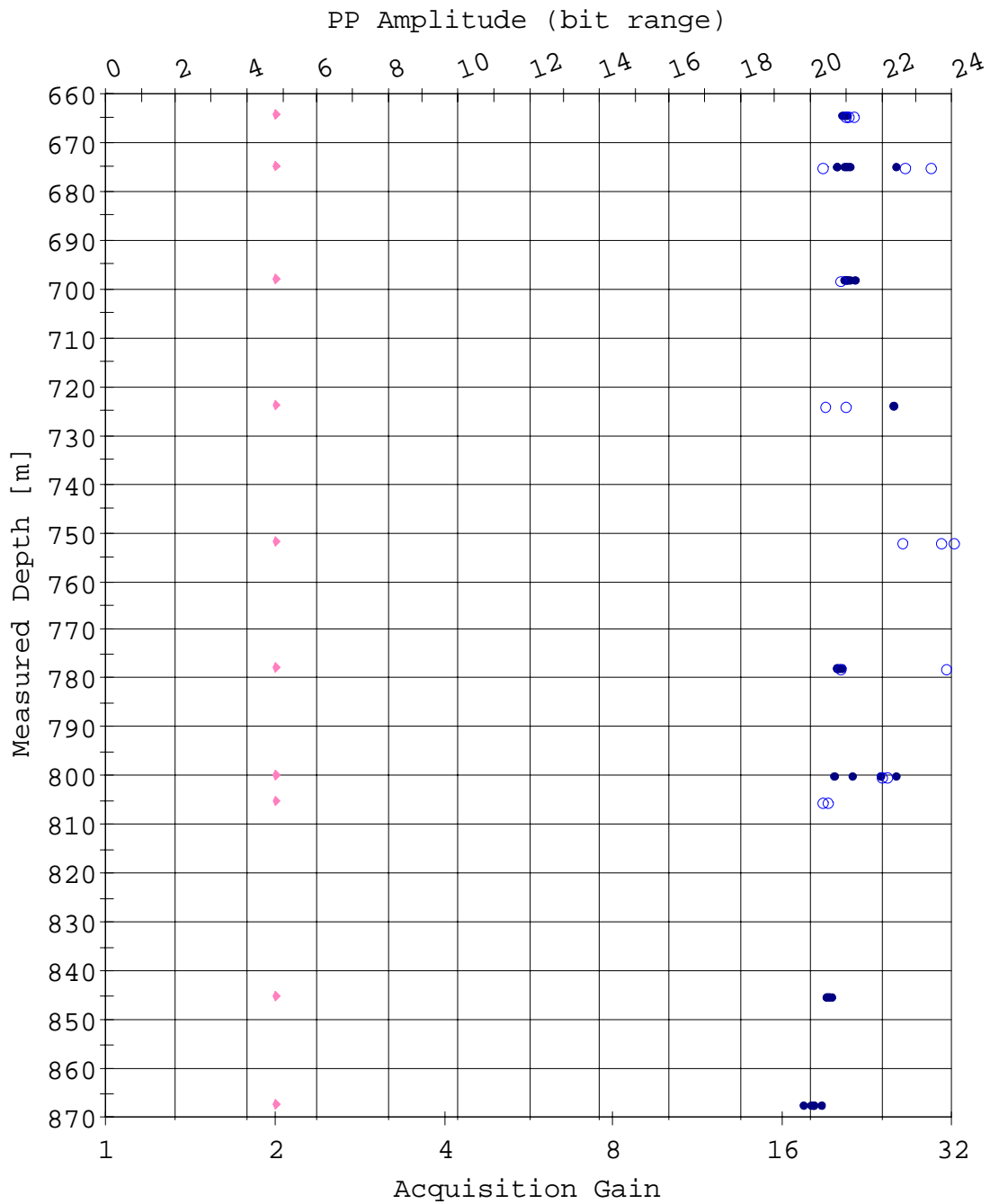
Amplitude QC Plot (X)



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



Amplitude QC Plot (Z)



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

## VSI Seismic Evaluation Report

### ELECTRICAL NOISE LOW TEST

2018/01/27 20:35:32

Shot No: 1

Station Depth: 38.21 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
DC Offset	1	X	-25.4839	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	X	0.1193	micro V	-	0.5000	PASS
Noise Peak	1	X	0.3990	micro V	-	2.0000	PASS
DC Offset	1	Y	-25.2790	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Y	0.1181	micro V	-	0.5000	PASS
Noise Peak	1	Y	0.3765	micro V	-	2.0000	PASS
DC Offset	1	Z	-25.3740	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Z	0.1143	micro V	-	0.5000	PASS
Noise Peak	1	Z	0.4977	micro V	-	2.0000	PASS

### ELECTRICAL NOISE HIGH TEST

2018/01/27 20:35:56

Shot No: 2

Station Depth: 38.21 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
DC Offset	1	X	-25.4753	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	X	0.1131	micro V	-	0.5000	PASS
Noise Peak	1	X	0.3865	micro V	-	2.0000	PASS
DC Offset	1	Y	-24.9536	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Y	0.1171	micro V	-	0.5000	PASS
Noise Peak	1	Y	0.4610	micro V	-	2.0000	PASS
DC Offset	1	Z	-24.7866	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Z	0.1169	micro V	-	0.5000	PASS
Noise Peak	1	Z	0.4007	micro V	-	2.0000	PASS

### ELECTRICAL DISTORTION TEST

2018/01/27 20:36:05

Shot No: 3

Station Depth: 38.21 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Total Harmonic Distortion	1	X	-102.3072	dB	-	-90.0000	PASS
Total Harmonic Distortion	1	Y	-107.2913	dB	-	-90.0000	PASS
Total Harmonic Distortion	1	Z	-107.0356	dB	-	-90.0000	PASS

### SYSTEM DYNAMIC RANGE TEST

2018/01/27 20:36:19

Shot No: 4

Station Depth: 38.21 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
System Dynamic Range	1	X	107.0766	dB	103.0000	-	PASS
System Dynamic Range	1	Y	107.1116	dB	103.0000	-	PASS
System Dynamic Range	1	Z	106.4911	dB	103.0000	-	PASS

### AMPLIFIER GAIN 2 TEST

2018/01/27 20:36:33

Shot No: 5

Station Depth: 38.21 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1478	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1518	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.1512	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0000	dB	-0.5000	0.5000	PASS

### AMPLIFIER GAIN 4 TEST

2018/01/27 20:36:43

Shot No: 6

Station Depth: 38.21 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1444	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0034	dB	-0.5000	0.5000	PASS



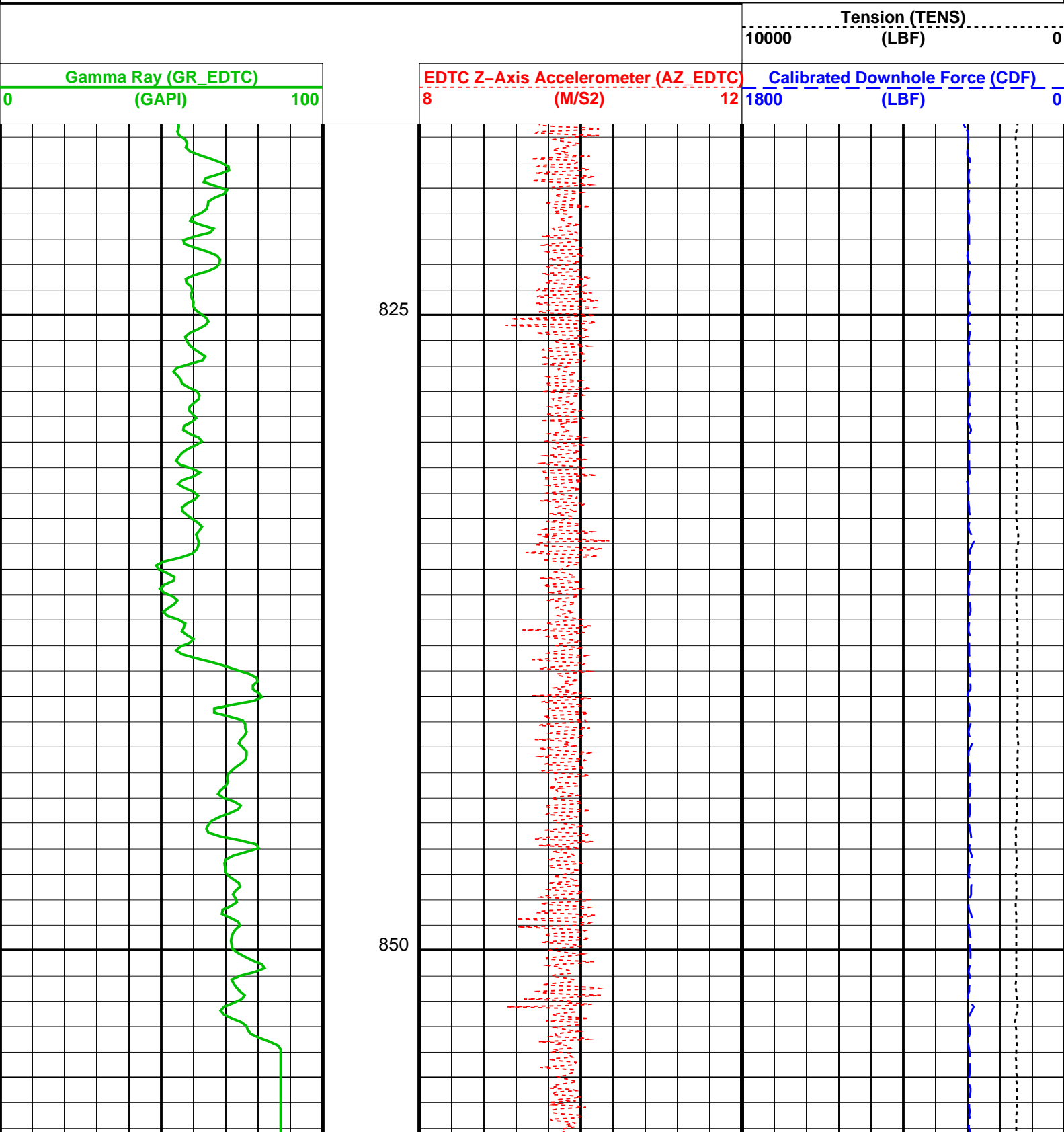
Amplitude (0.3Hz)	1	X	-1.6789	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	X	-3.5736	dB	-5.0000	-	PASS
Impulse Amplitude	1	X	573.7709	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	X	0.0000	degree	-	-	-
Amplitude (0.3Hz)	1	Y	-1.6081	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	Y	-3.5709	dB	-5.0000	-	PASS
Impulse Amplitude	1	Y	574.3411	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	Y	-0.5579	degree	-	-	-
Amplitude (0.3Hz)	1	Z	-1.7214	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	Z	-3.5729	dB	-5.0000	-	PASS
Impulse Amplitude	1	Z	574.1993	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	Z	0.3731	degree	-	-	-

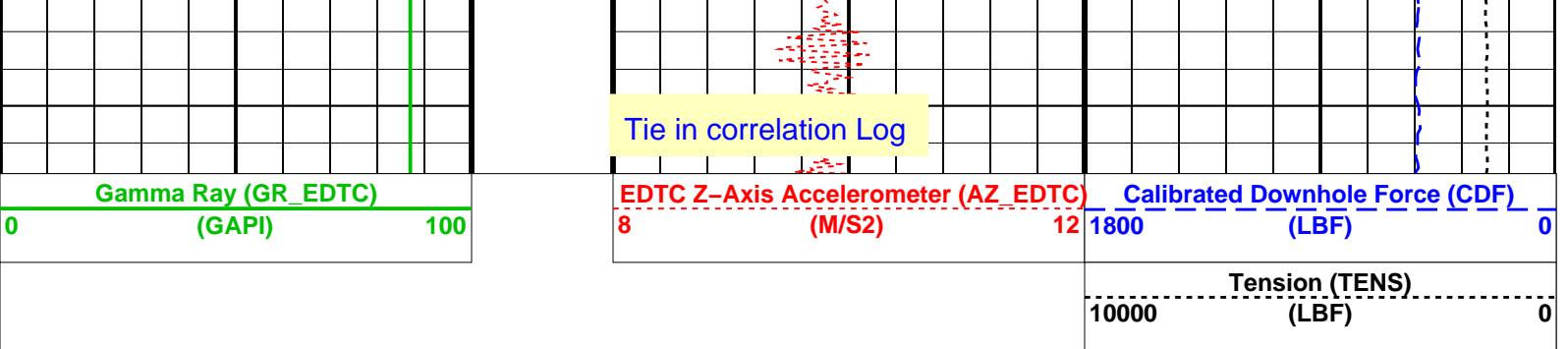
### Output DLIS Files

DEFAULT	VSIT_NGS_022LUP	FN:32	PRODUCER	28-Jan-2018 01:16	861.8 M	817.6 M
BACKUP	VSIT_NGS_022LUP	FN:33	PRODUCER	28-Jan-2018 01:16	861.8 M	817.6 M

### OP System Version: 19C0-187

VSIT-C	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB





Format: CORRELATION\_EDTCB\_1    Vertical Scale: 1:200    Graphics File Created: 28-Jan-2018 01:16

### OP System Version: 19C0-187

VSIT-C	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

### Output DLIS Files

DEFAULT	VSIT_NGS_022LUP	FN:32	PRODUCER	28-Jan-2018 01:16
BACKUP	VSIT_NGS_022LUP	FN:33	PRODUCER	28-Jan-2018 01:16