
Walkaway VSP Line-B Report

General Information

Survey Type	Walkaway VSP
Surface Recording Length	15500.0 ms
Surface Sampling Rate	2.0 ms
Downhole Recording Length	20500.0 ms
Downhole Sampling Rate	2.0 ms
Top of Survey	1930.0 m
Bottom of Survey	2000.0 m
Number of Shots	173
Number of Downhole Traces	1384
Number of Downhole Traces used for Processing	1316

Borehole Seismic Source Information - Source 1

Engineer: S. Nakanishi

Well Name: Naylor-1

Date: 16-May-2006

Rig: Rigless/ 15Ton Crane

Geometrical Coordinates

Longitude: 142 48' 30.43" E

Latitude: 38 31' 47.26" S

UTM Coordinates

Easting: 657634.25 m E

Northing: 5733850.49 m N

Permanent Datum: MSL

Log Measured From: DF

Elev. 51.1

Unit: m

Ground Elev. at Well Head 46.4

SRD (Seismic Reference Datum): MSL

Elev. 0.0

from SLB zero: 51.1 (SRDS)

Ground Elev. at VP: 46.4

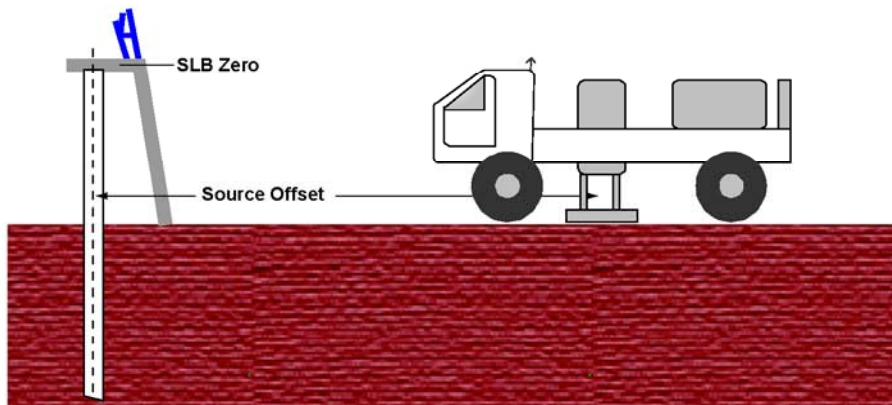
Gun Depth from SLB : 4.7 (GDSZ)

Gun Depth from SRD : -46.4

Gun Depth from GL (WH): 0.0

Ground Condition: Clay soil
Flat terrain

Ground Water Level from GL: 1.0



Gun Azimuth (Grid North): N/A deg (GAZI)

Gun Offset: N/A (GOFF)

Vibrator: IVI MinVib T1500

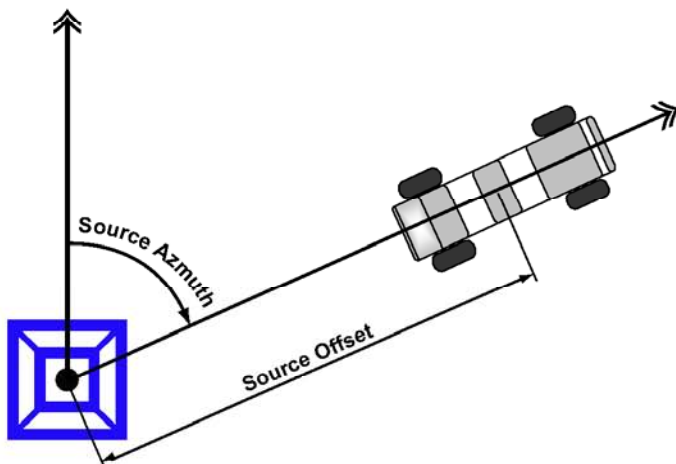
Controller - Encoder: RTS-100

Decoder: SIB-100

Version: ANSIR

Mass Weight 311 lbs
BasePlate Weight 370 lbs
HoldDown Weight 10,000 lbs

Zero Time Adjust N/A
Radio Reference Delay N/A



Sweep Parameters

Start Frequency 10 Hz
End Frequency 150 Hz
Sweep Length 15 sec
Start Taper 0.2 sec
End Taper 0.2 sec
Sweep Type Linear
VIB Sweep Phase N/A
ESG Sweep Phase N/A
Phase Lock Mode N/A
Force Mode N/A

Surface Velocity Survey (Rig Source only)

Tool Measured Depth: N/A

Measured Transit Time: N/A ms Reliable TT

Measured Surface Velocity: NA

Provided Surface Velocity by Client: 1,750.0 m/sec

Borehole Seismic Source Information

Surface Sensor Channels

WSAM (WSI)
sn: **WSAM:-AB 910****WSI: 1742**

Pilot Signal

SSPS

S1 (WSI-SS2)	none	<input type="checkbox"/>
S2 (WSI-SS3)	Filtered Ground For	<input checked="" type="checkbox"/>
S3 (WSI-SS4)	none	<input type="checkbox"/>
S4 (WSI-SS5)		<input type="checkbox"/>
S5 (WSI-SS6)		<input type="checkbox"/>
S6 (WSI-SS7)		<input type="checkbox"/>

Quality Check Surface Signals

	S1 Time Break / PP		S2 TT(ms) / PP		S3 TT(ms) / PP		S4 TT(ms) / PP		S5 TT(ms) / PP		S6 TT(ms) / PP	
Shot-1	0.0 /	0	0.0 /	19081	0.0 /	0	0.0 /	0	0.0 /	0	0.0 /	0
Shot-2	0.0 /	0	0.0 /	19013	1.0 /	0	0.0 /	0	0.0 /	0	0.0 /	0
Shot-3	0.0 /	0	0.0 /	19287	0.0 /	0	0.0 /	0	0.0 /	0	0.0 /	0
Shot-4	0.0 /	0	0.0 /	19342	0.0 /	0	0.0 /	0	0.0 /	0	0.0 /	0
Shot-5	0.0 /	0	0.0 /	19244	0.0 /	0	0.0 /	0	0.0 /	0	0.0 /	0

Other Logs Information

Sonic Log:	Interval:	from	to	Date:
Density Log:	Interval:	from	to	Date:

Remarks

MinVib T1500 used 10Hz to 150Hz linear sweep for 15 seconds. Baseplate used the shearwave plate for P-wave mode. PSS or QC signal is not available in the RTS-100 system.

Contact Closure pin-F and G of RTS-100 is used for triggering MinVib through WSI-A (30 msec period). Start Delay sets 0.1 s.

SIB-100 can provide three reference pilot signals (Synthetic, Ground Force and Filtered Ground force). Only one of them can be transmitted through UHF radio. The Filtered Ground Force signal is recommended for correlation by the IVI. Pilot signal (Filtered Ground Force signal) is recorded for correlation. FGF signal is generated in the SIB-100 box in real time by combining the baseplate accelerometer and the mass accelerometer signals during each sweep. This signal is then filtered with a tracking high cut filter. The frequency of this tracking filter is set to remove all higher order harmonics. . FGF signals is 180 degree phase different to GF signal according to Elmo Christensen / IVI.

FGF signal is recorded in reversed polarity (RTS-100 pin-D to WSI pin-A, RTS-100 pin-N to WSI pin-B) in order to obtain positive peak correlation. Downhole receiver (GAC) has SEG reverse polarity (1975).

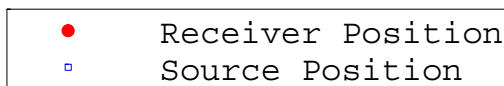
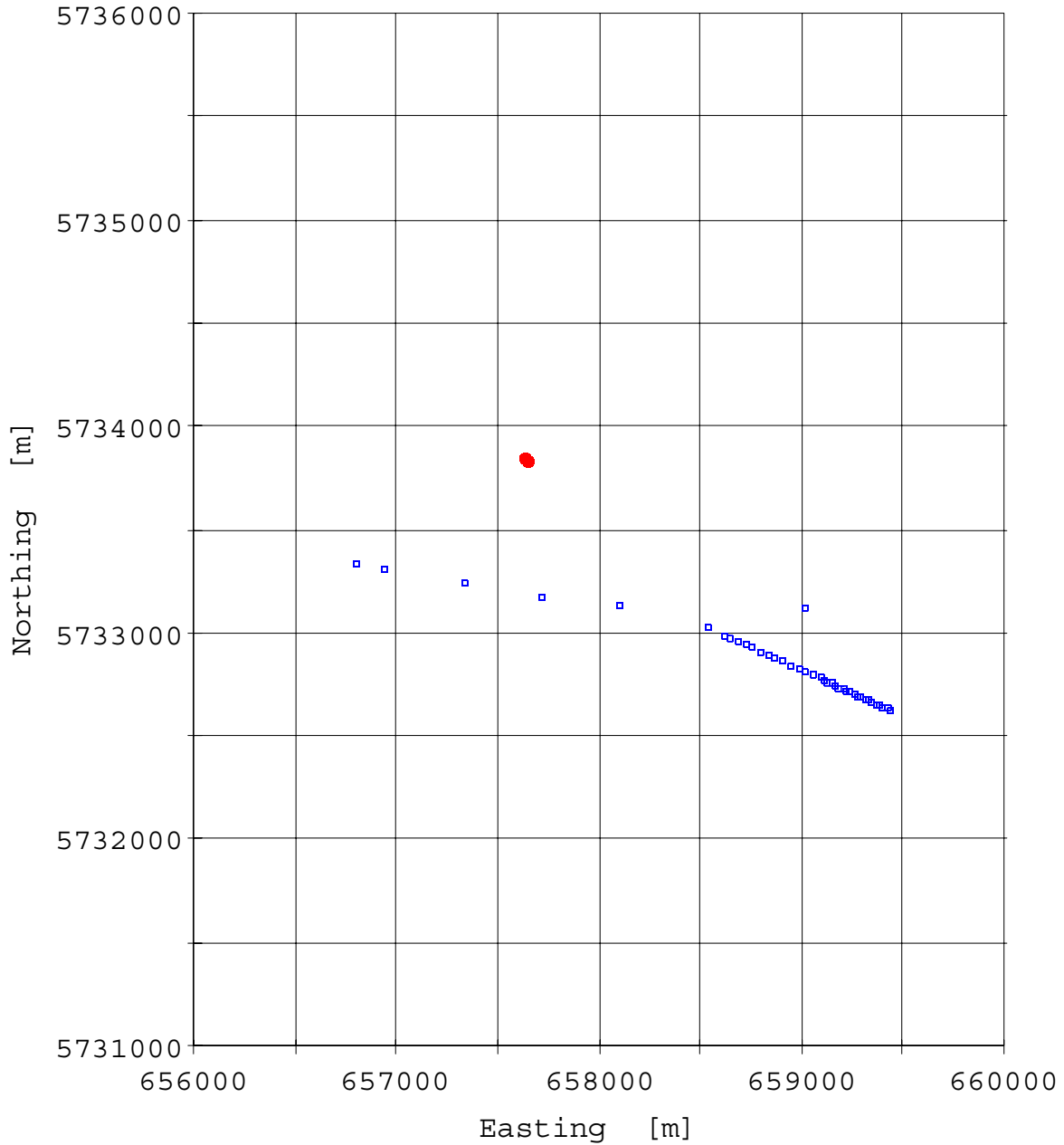
Recording surface signals (WSAM) S1 - No input. S2 - FGF (15500 msec @ 2 msec sampling with TOFS 500 ms to avoid transit noise). Correlation Length 5000 msec. Downhole listening time is 20500 msec @ 2 msec sampling). Input impedance of the channel SS3 (S2) of WSAM-AB was changed from 462-ohm to 10K-ohm in order to obtain better dynamic range.

Detail T-1500 MinVib specification

Max. Theoretical Peak Force: 6,000 Pounds
 Mass Piston Area: 1.50 Inches²
 Reaction Mass Weight: 311 Pounds
 Reaction Mass Stroke: 1.88 Inches
 Servovalve; 5 GPM
 Servovalve Pilot Filter: 3 Micron
 Baseplate Area: 1,018 Inches²
 Baseplate Assembly Weight: 370 Pounds
 Lift System Stroke: 38 Inches
 Lift Cylinder Diameter: 2.5 Inches
 Lift Synchronization: Mechanical Crossbeam
 Vibrator Pump Flow: 15 GPM @ 2100 RPM
 Holddown Weight: 10,000 Pounds




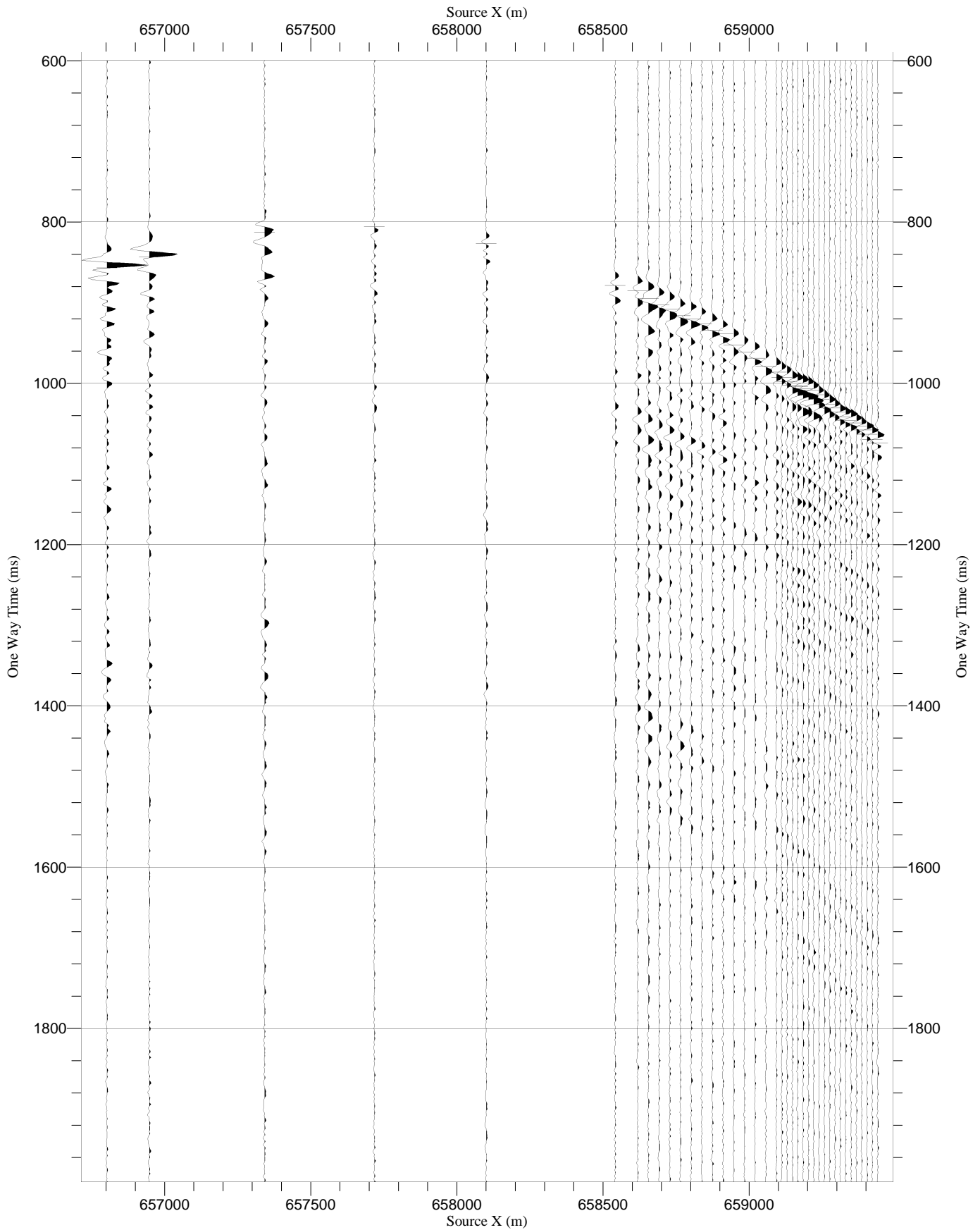
Geometry Information Page (X-Y)




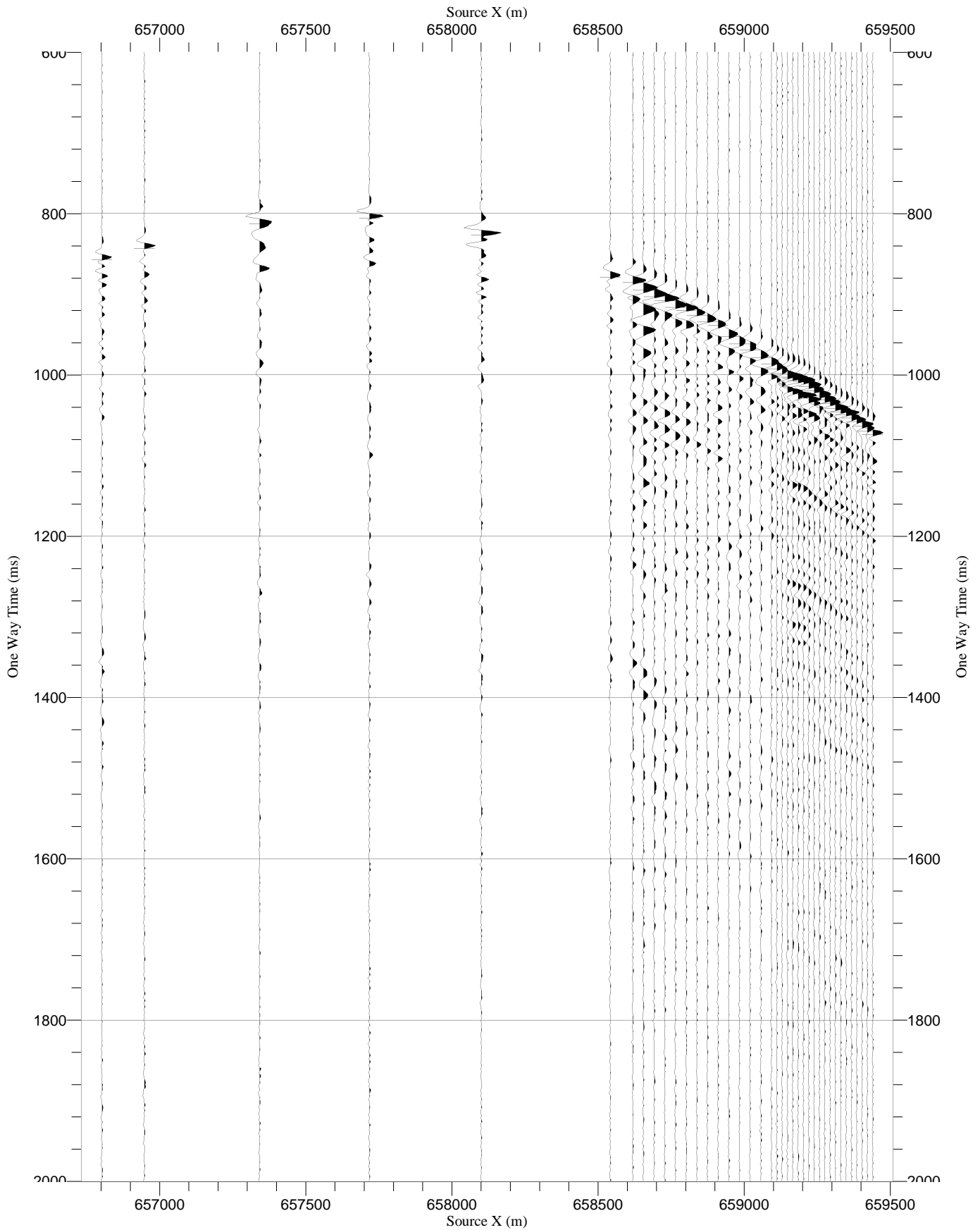
VSI-8


(2000 m receiver gather WVSP Line-B)

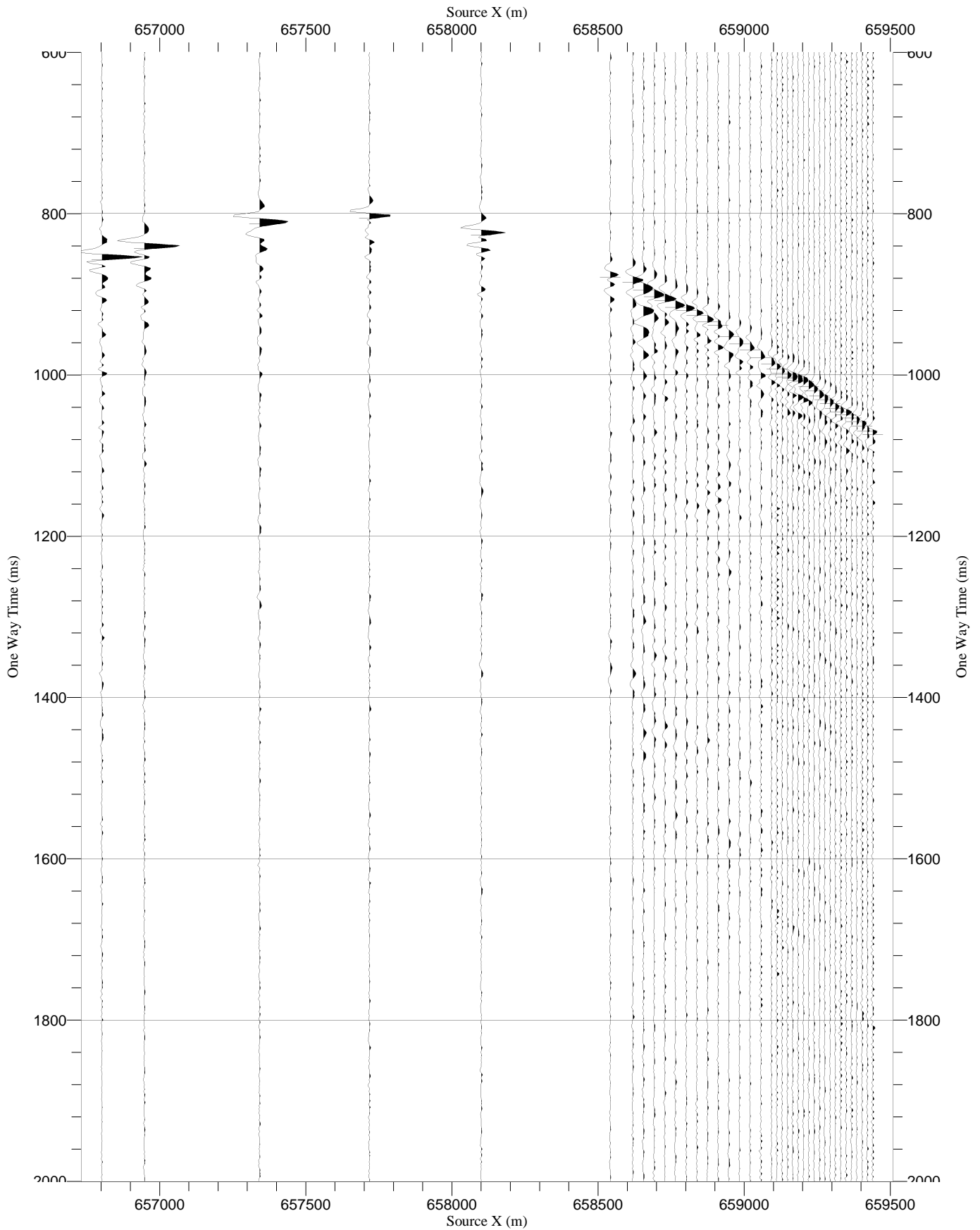
RawStack Z VSI-8	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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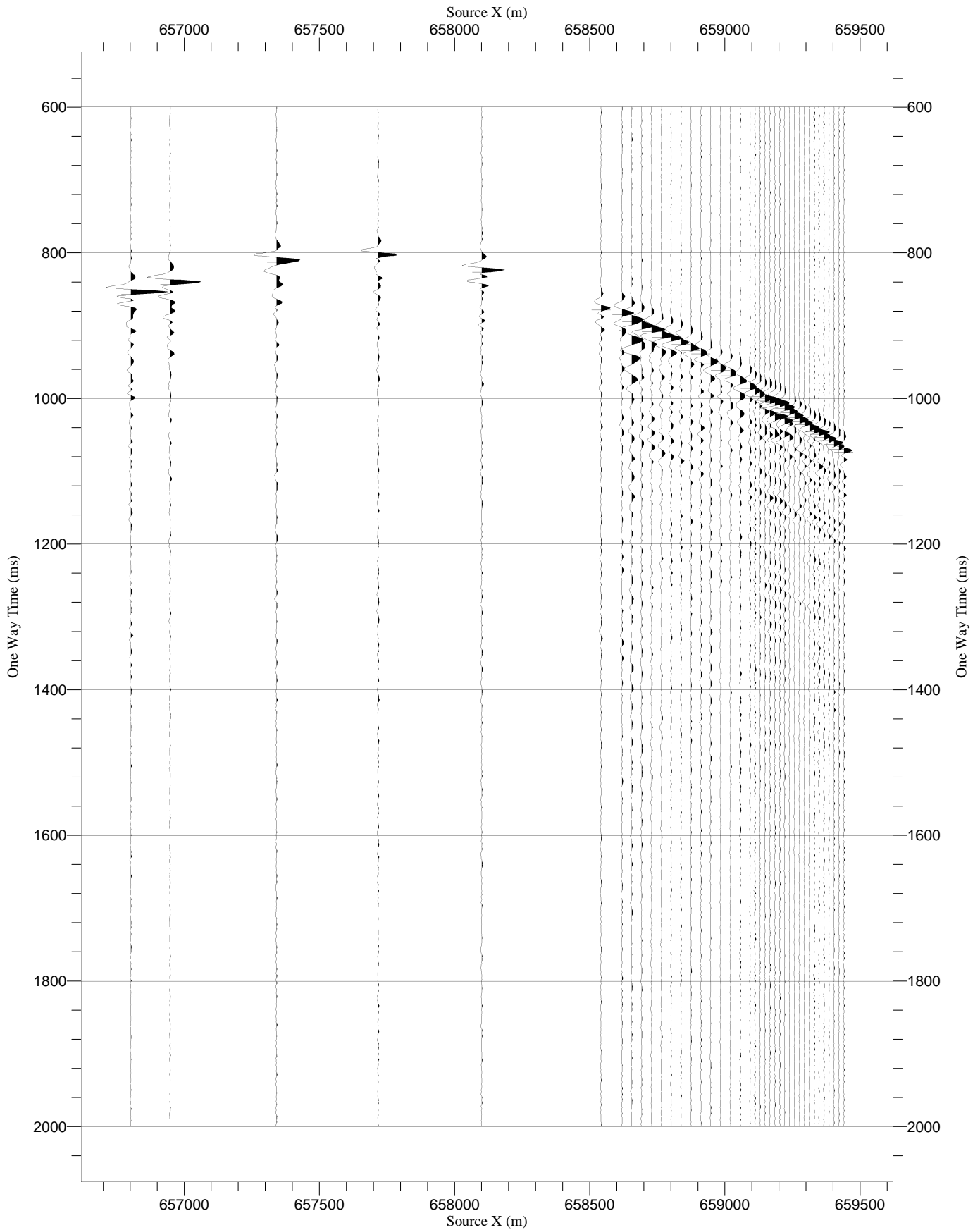
RawStack Y VSI-8	Normalization Largest Trace in Gather (100%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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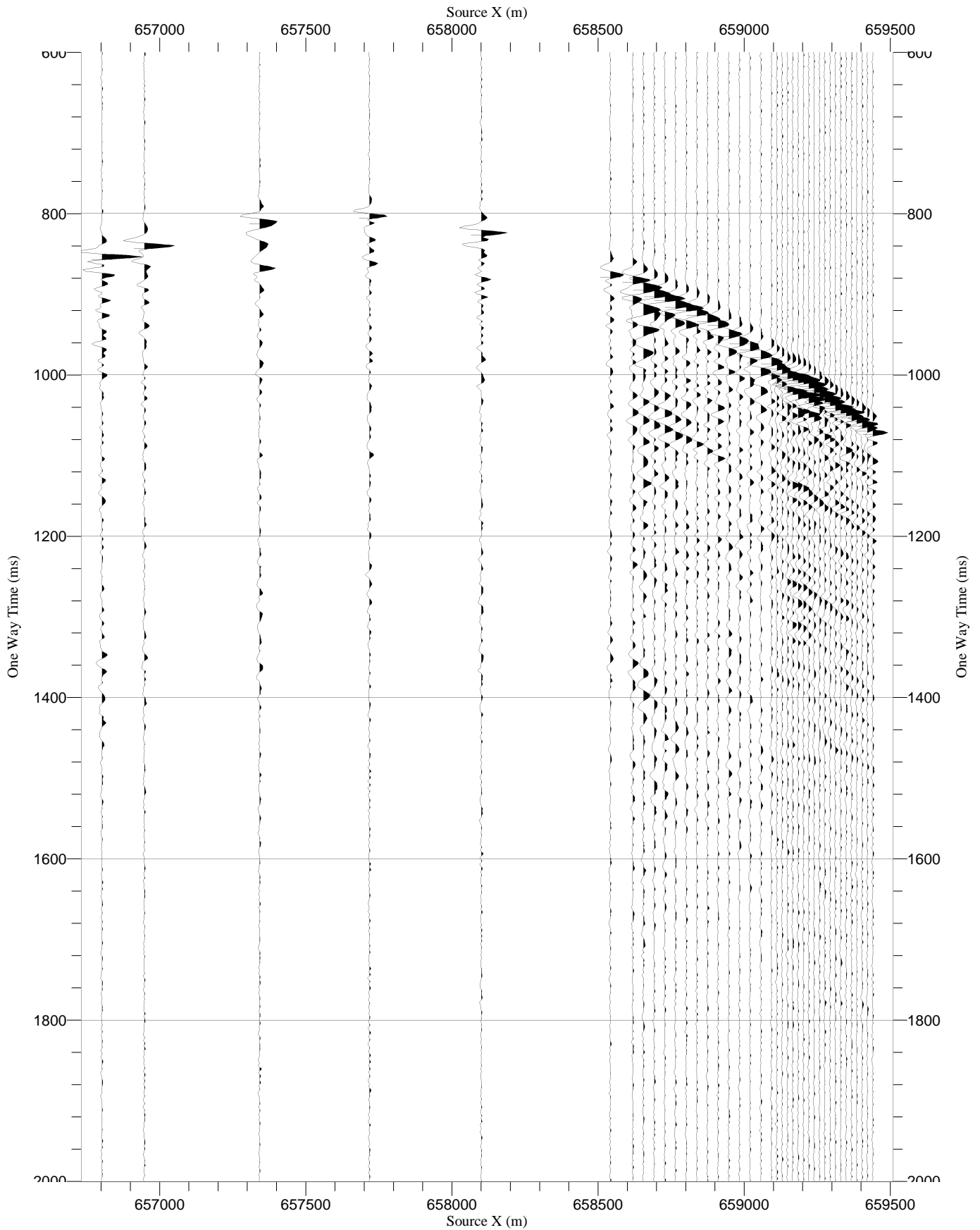
RawStack X VSI-8	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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RawStack TRY VSI-8	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 13.7 cm/sec, 1/19700	
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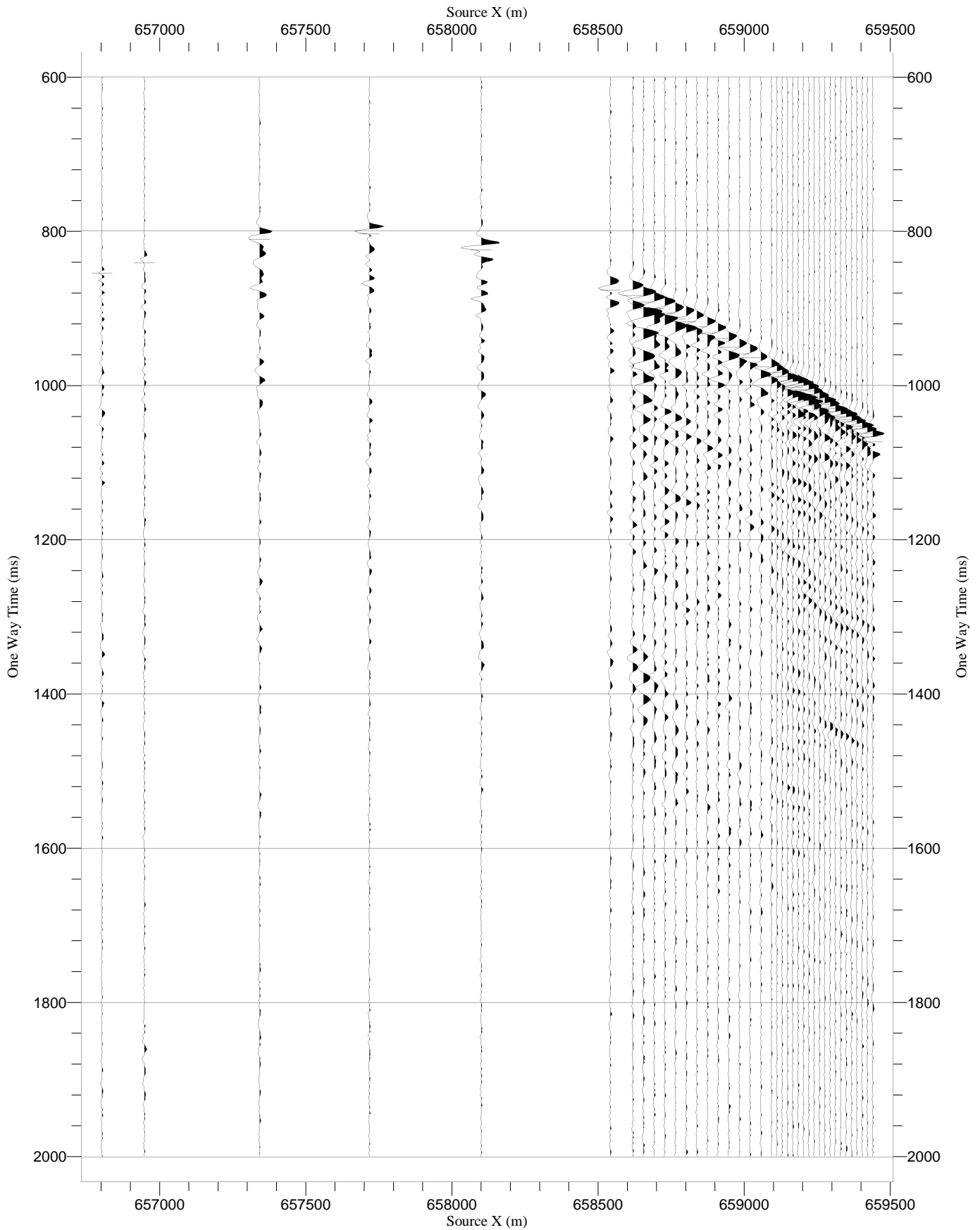
RawStack HMX VSI-8	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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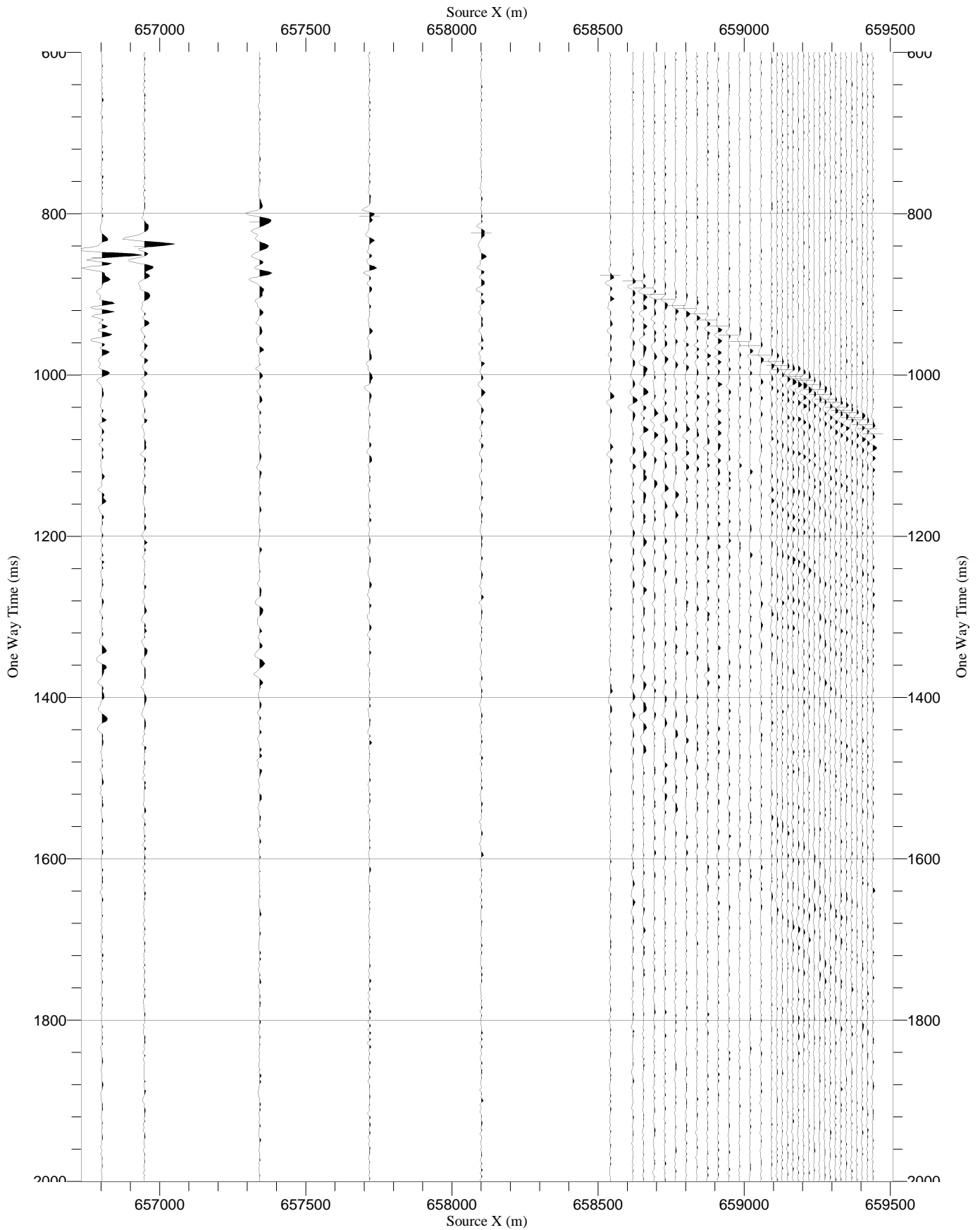
VSI-7


(1990 m receiver gather WVSP Line-B)

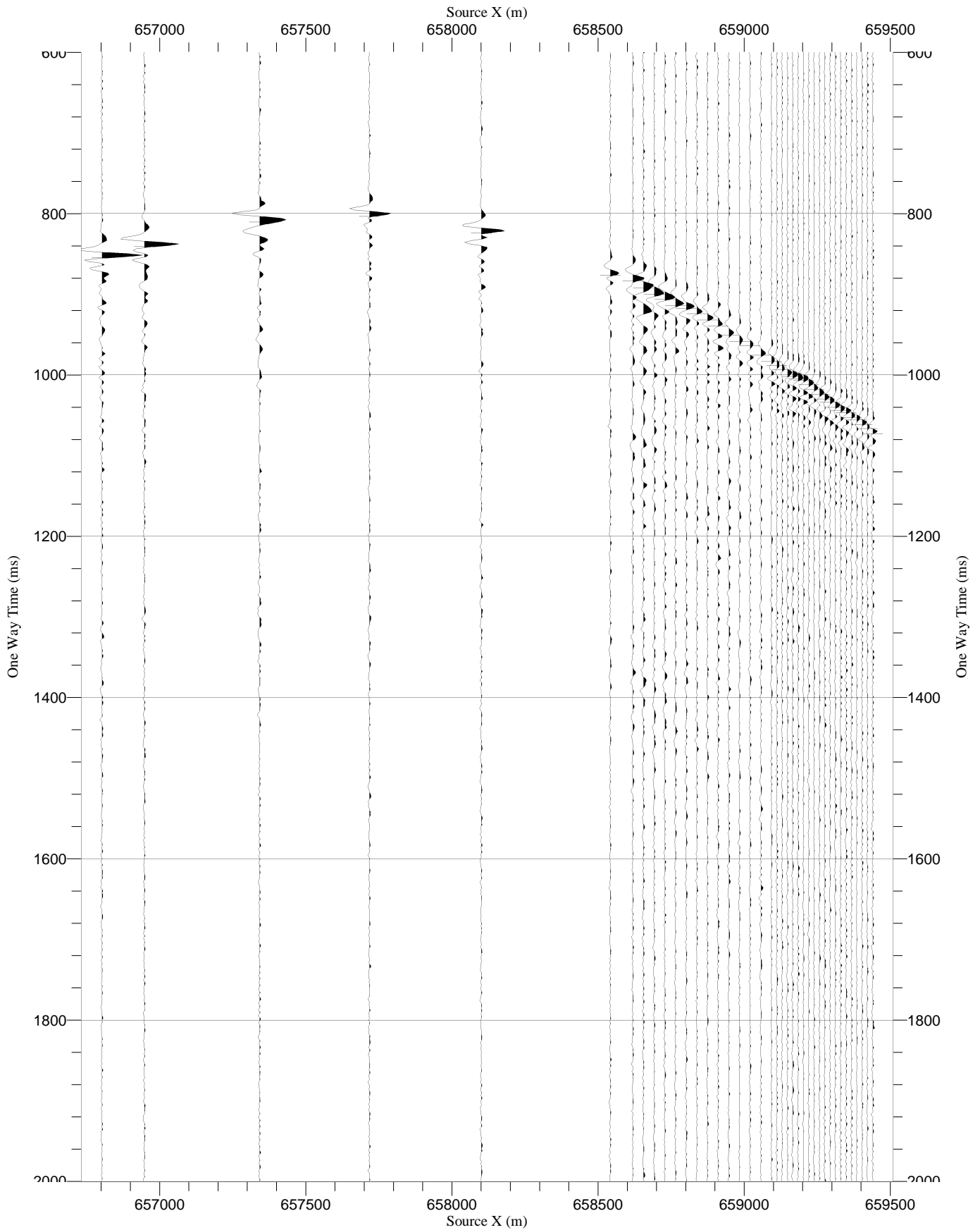
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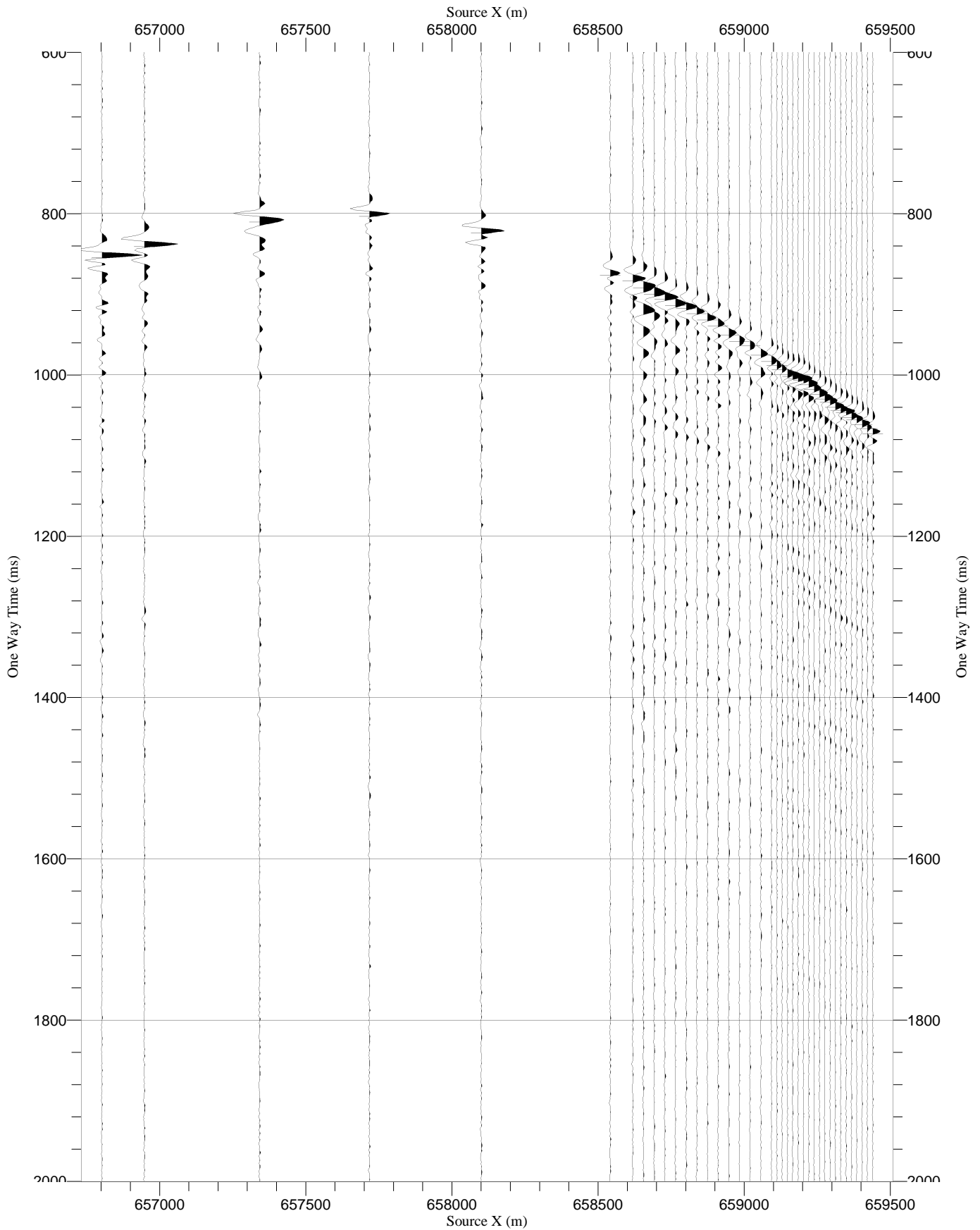
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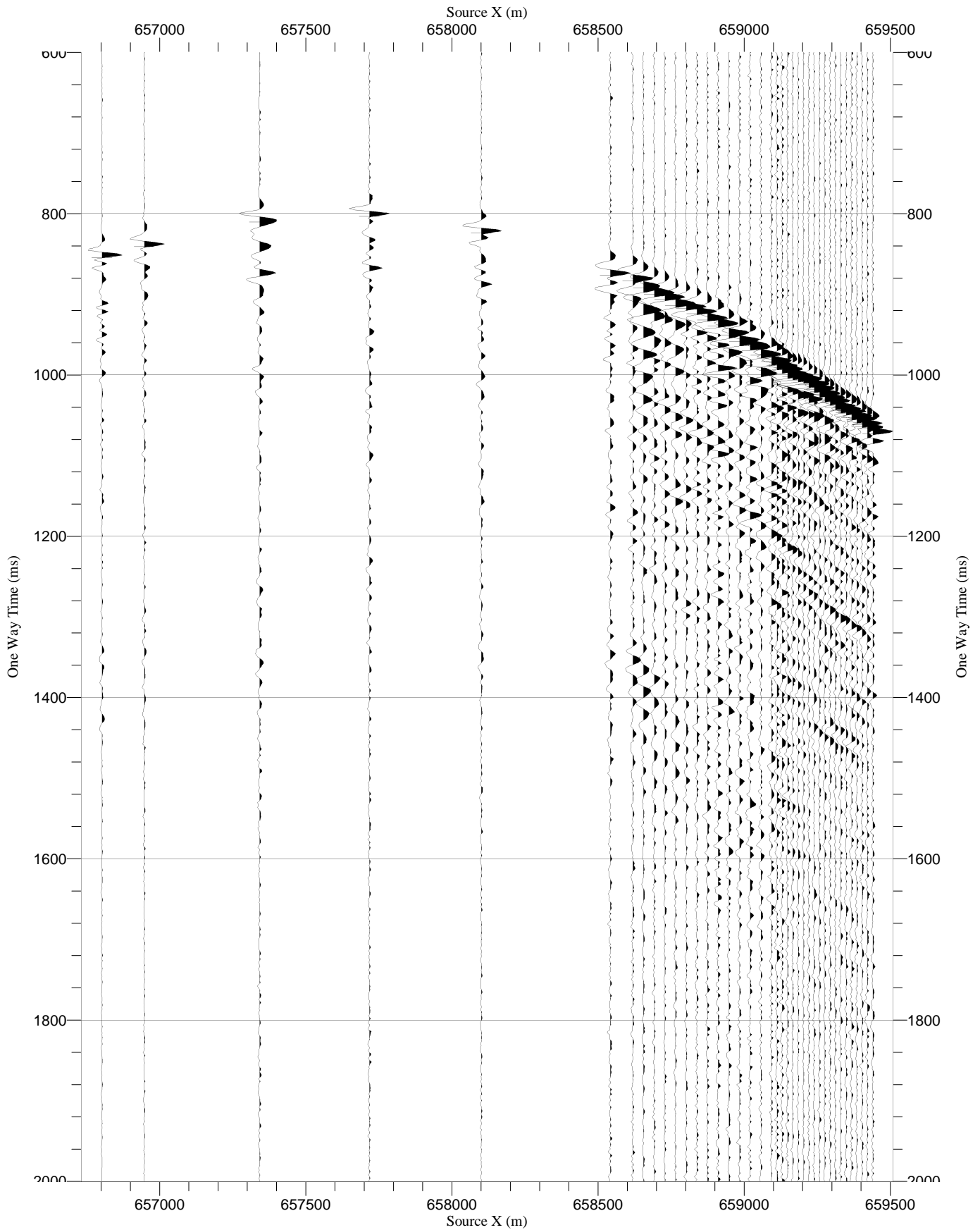
RawStack X VSI-7	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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RawStack TRY VSI-7	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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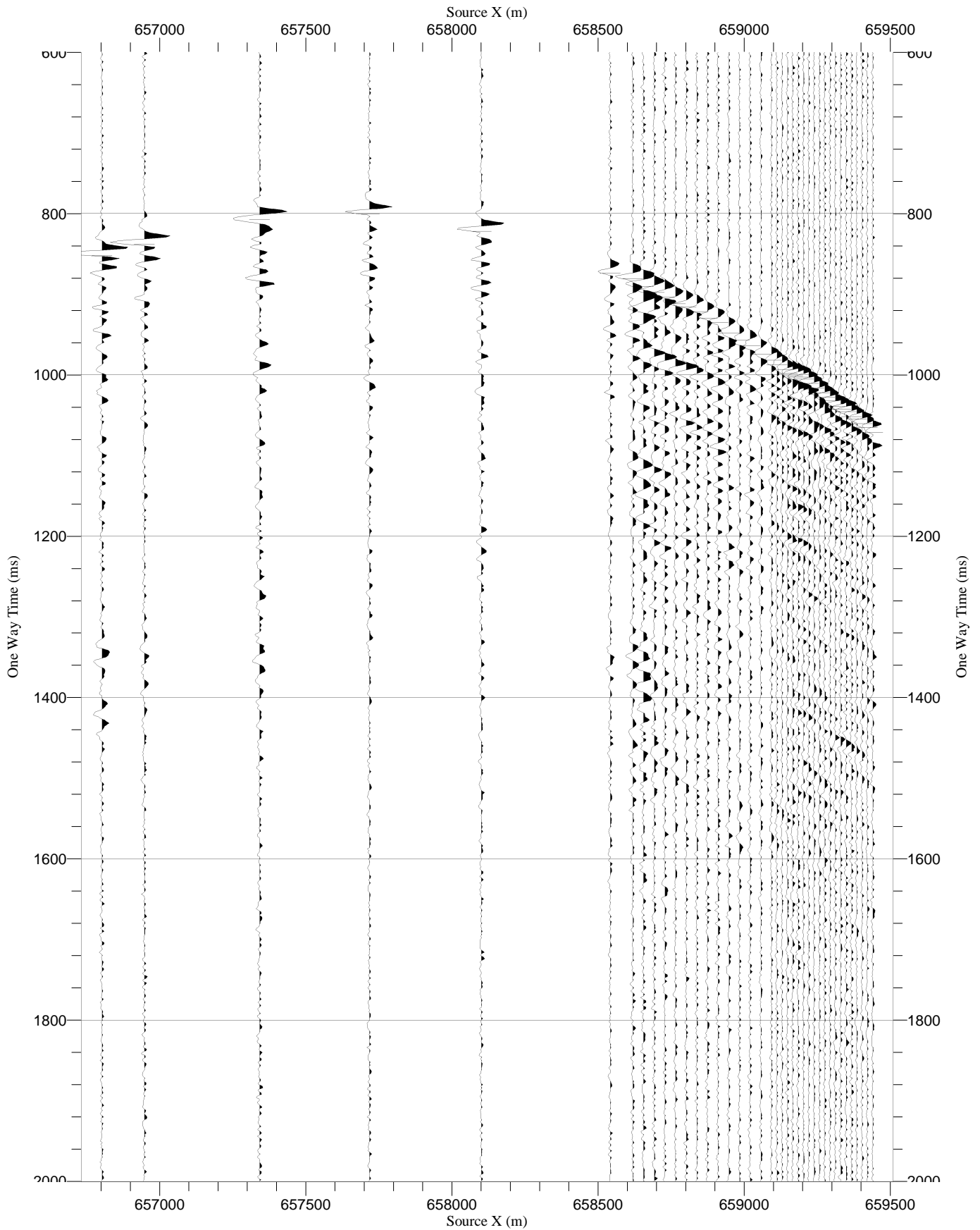
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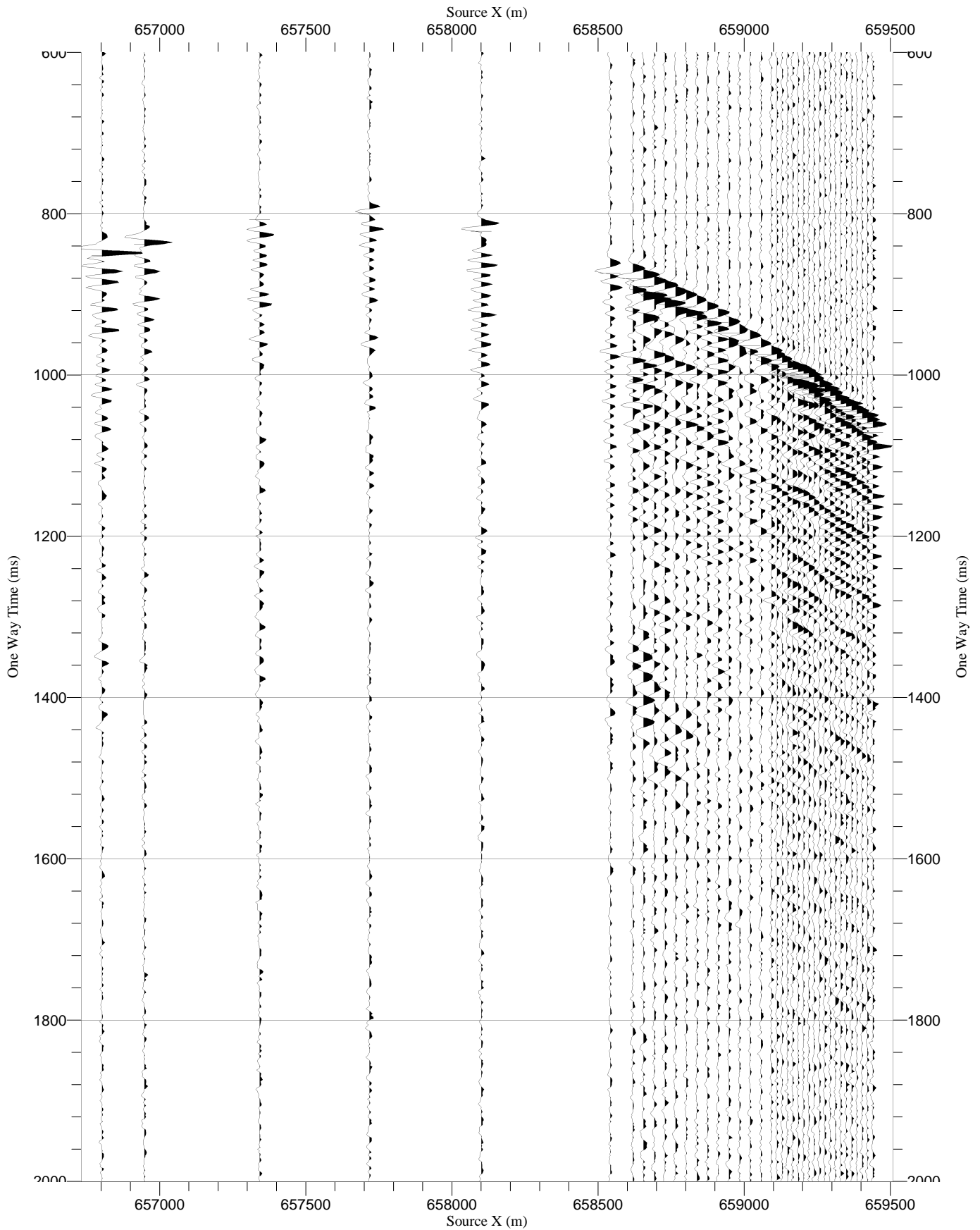
VSI-6


(1980 m receiver gather WVSP Line-B)

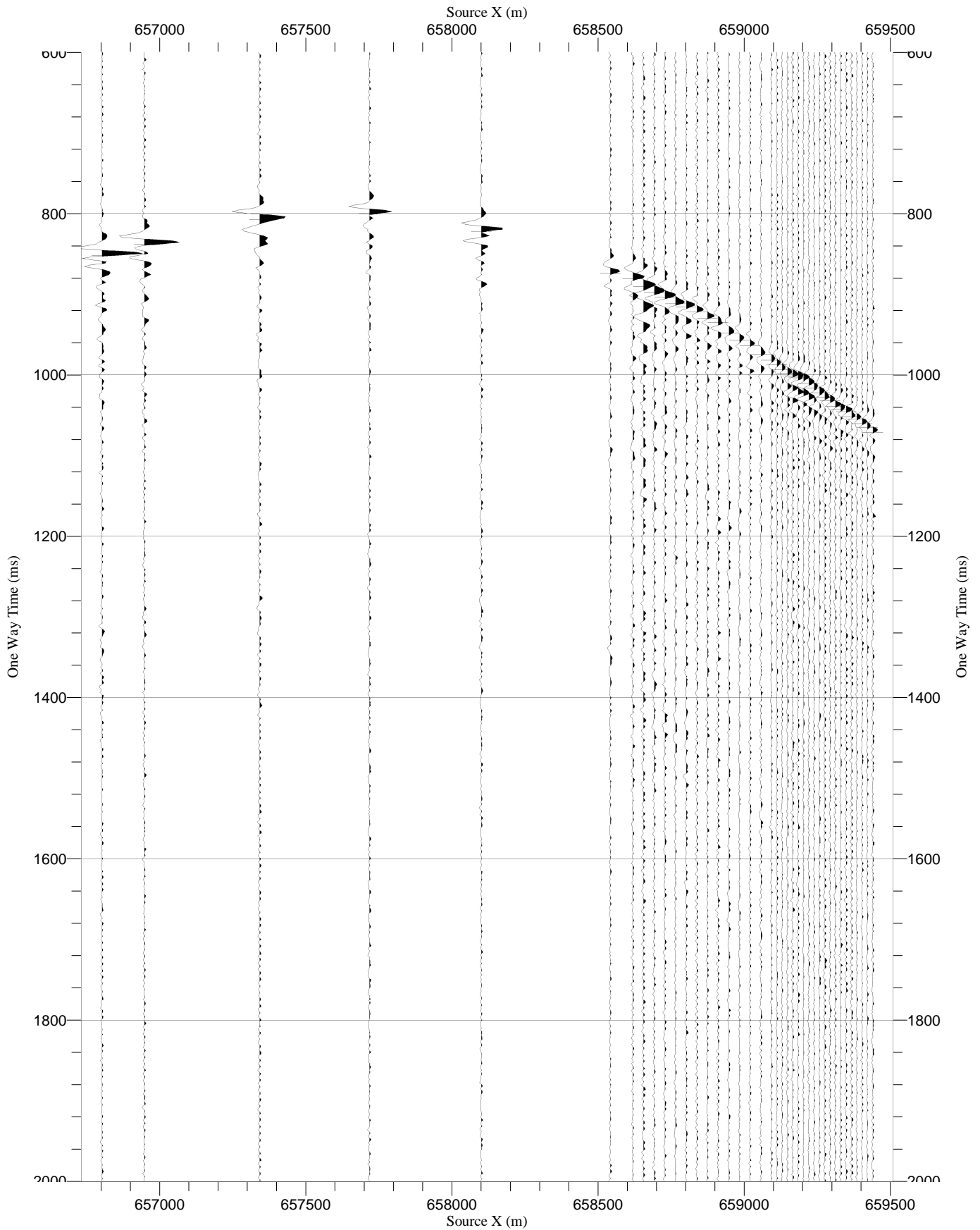
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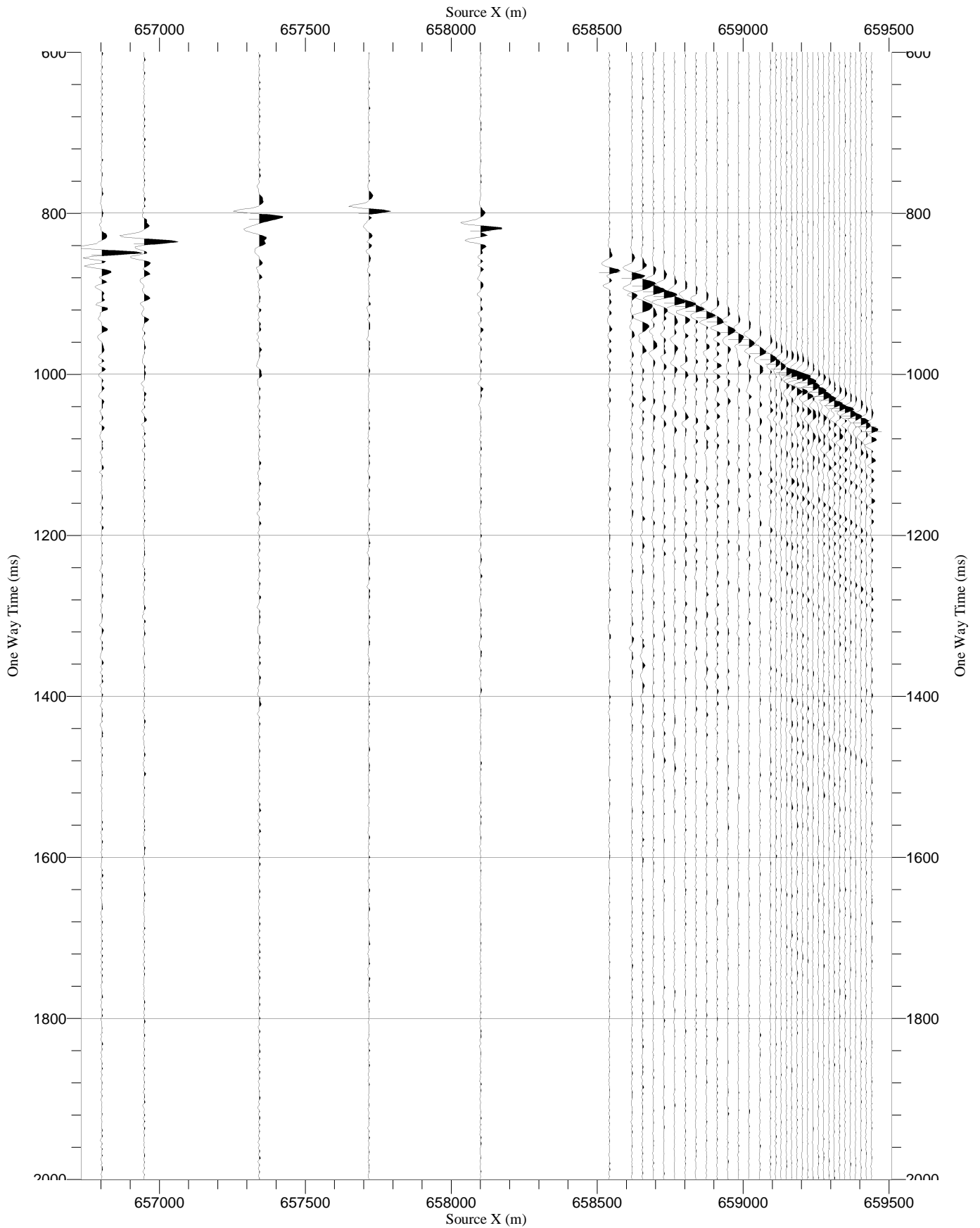
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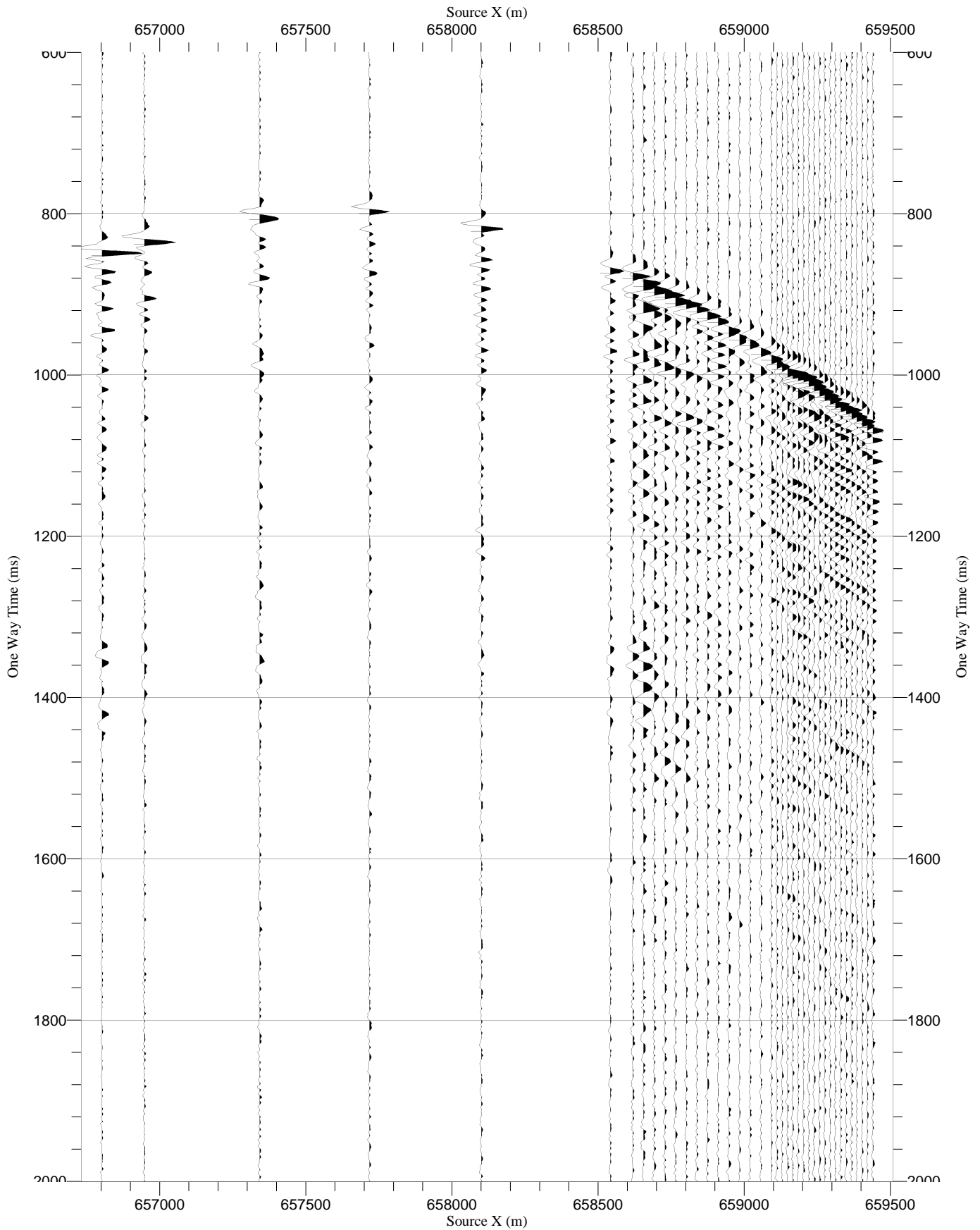
RawStack X VSI-6	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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RawStack TRY VSI-6	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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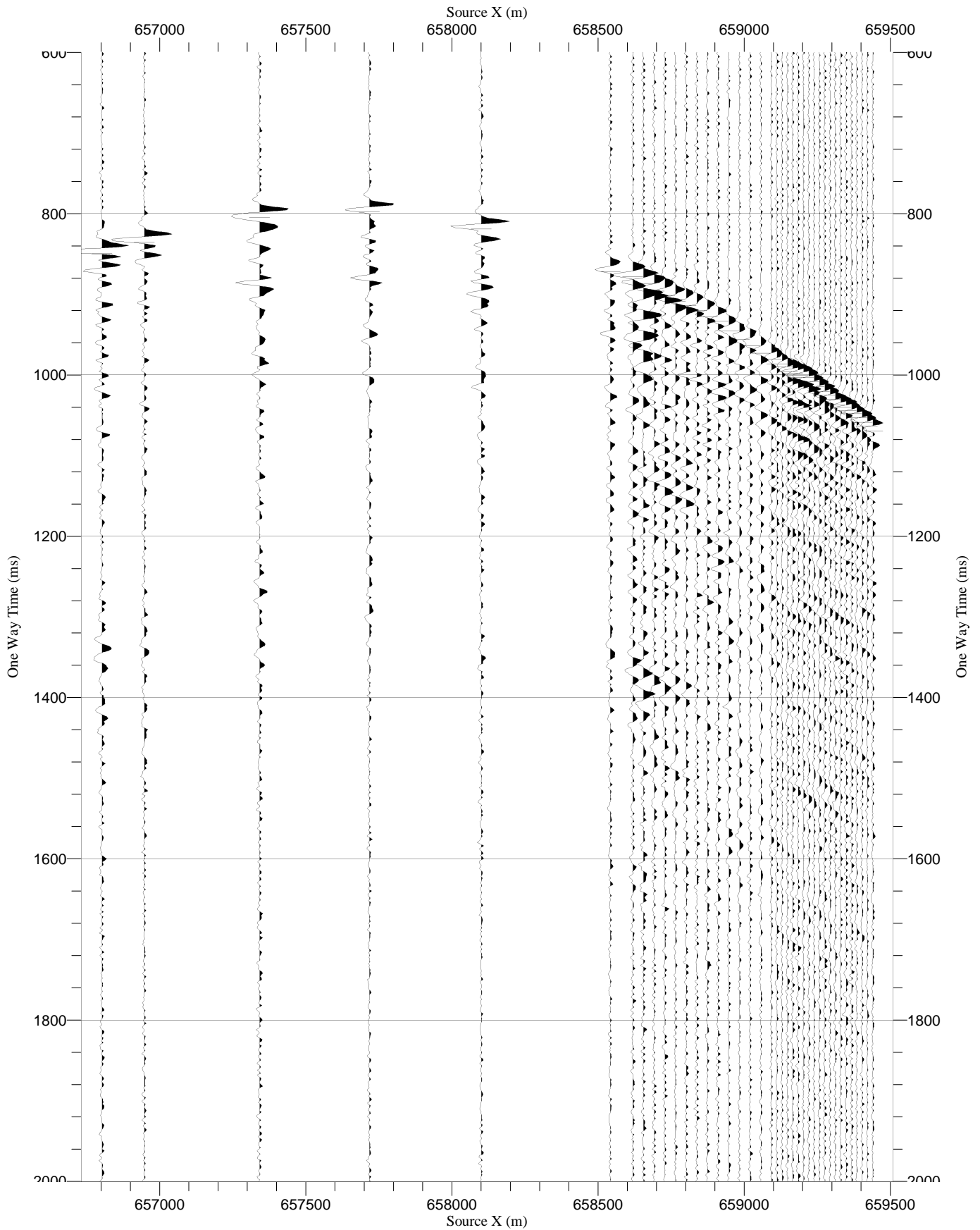
RawStack HMX VSI-6	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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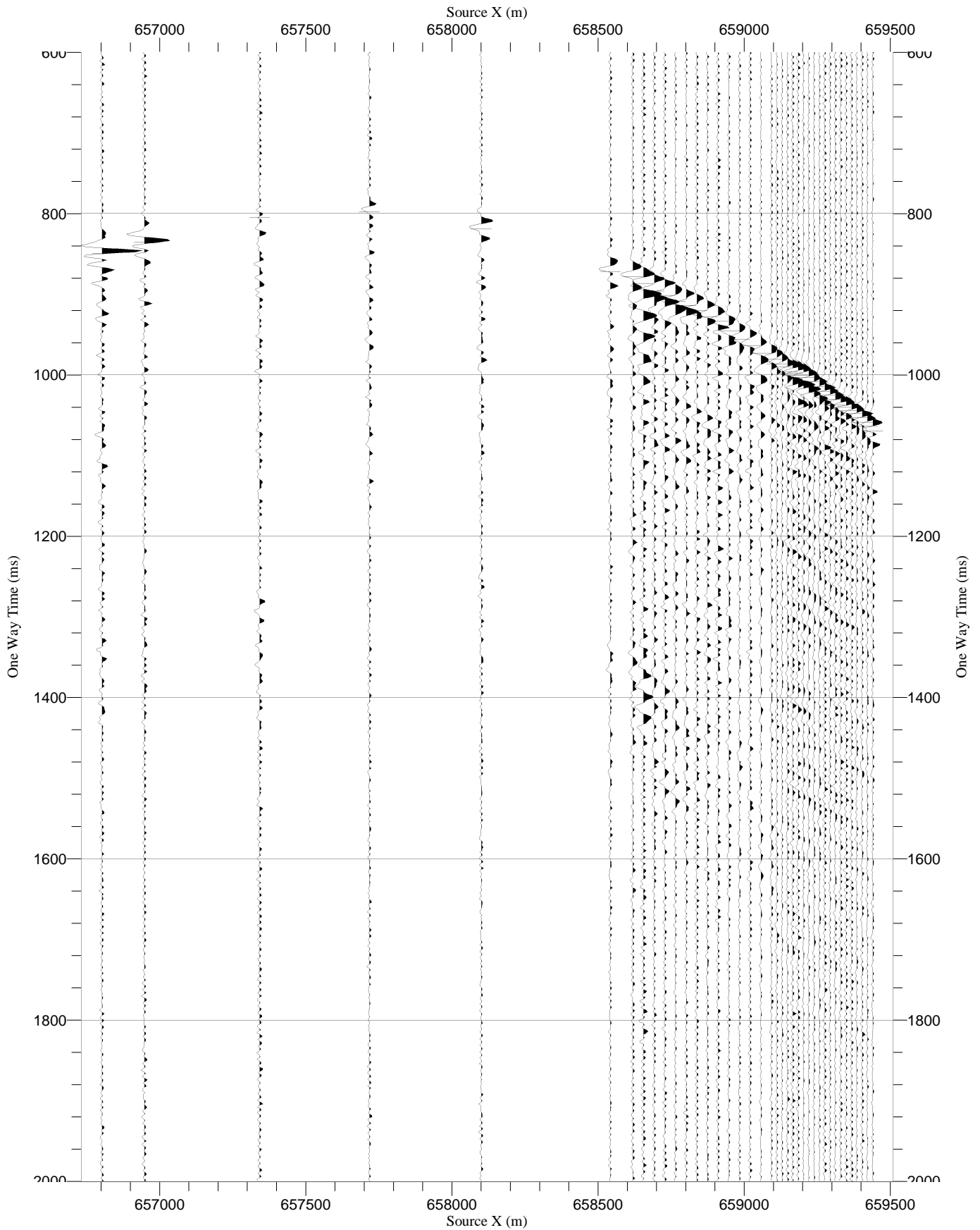
VSI-5


(1970 m receiver gather WVSP Line-B)

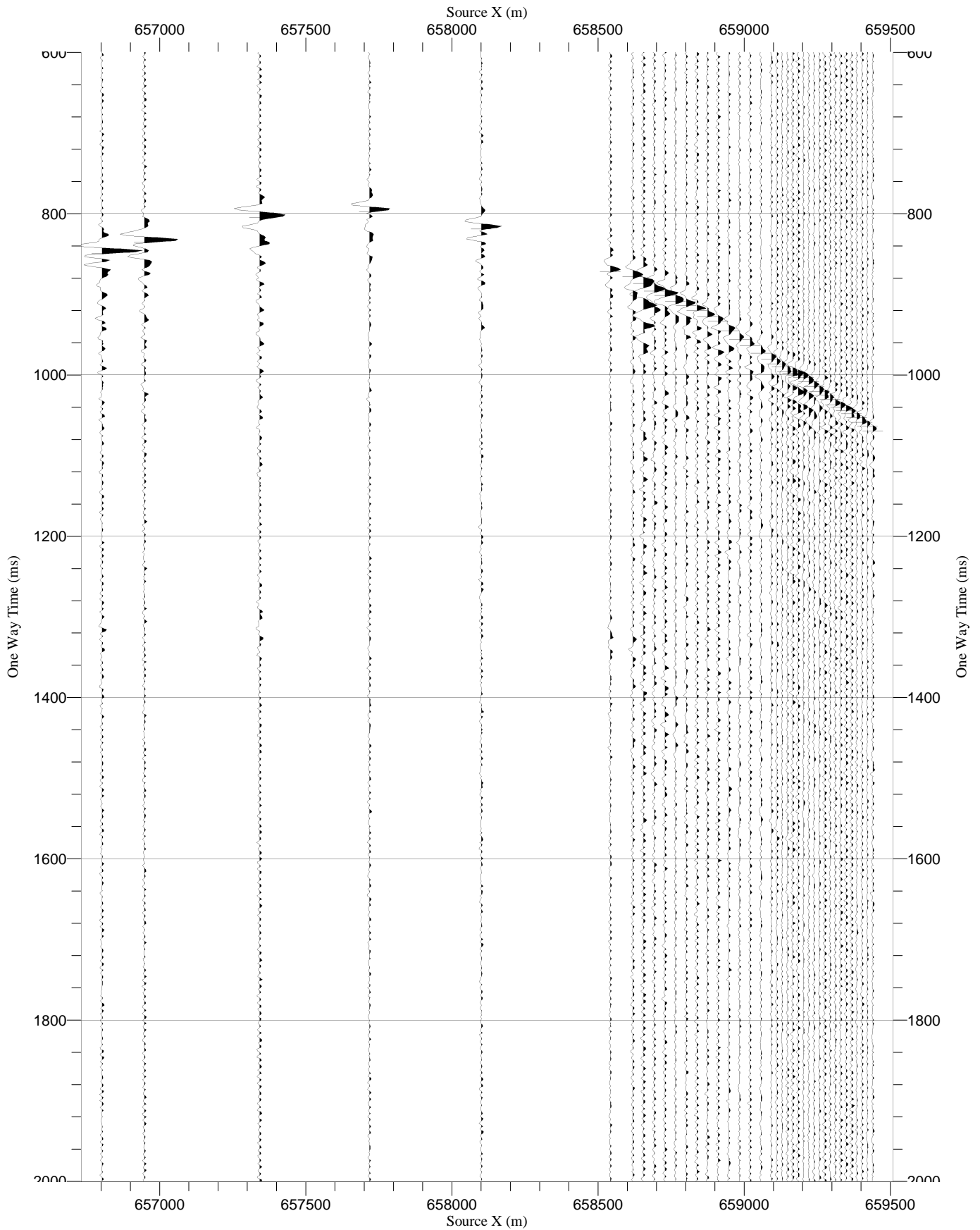
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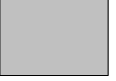


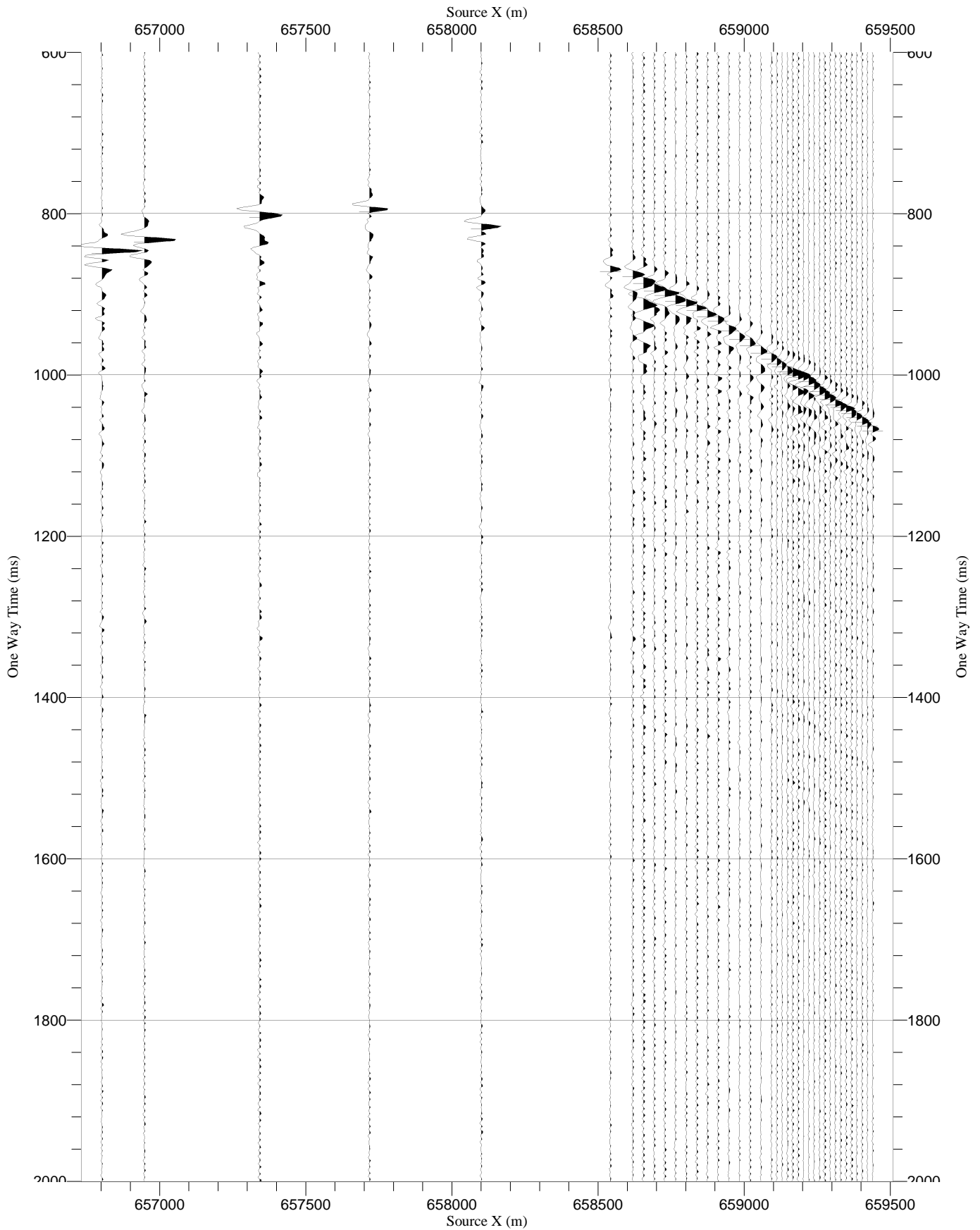
RawStack Y VSI-5	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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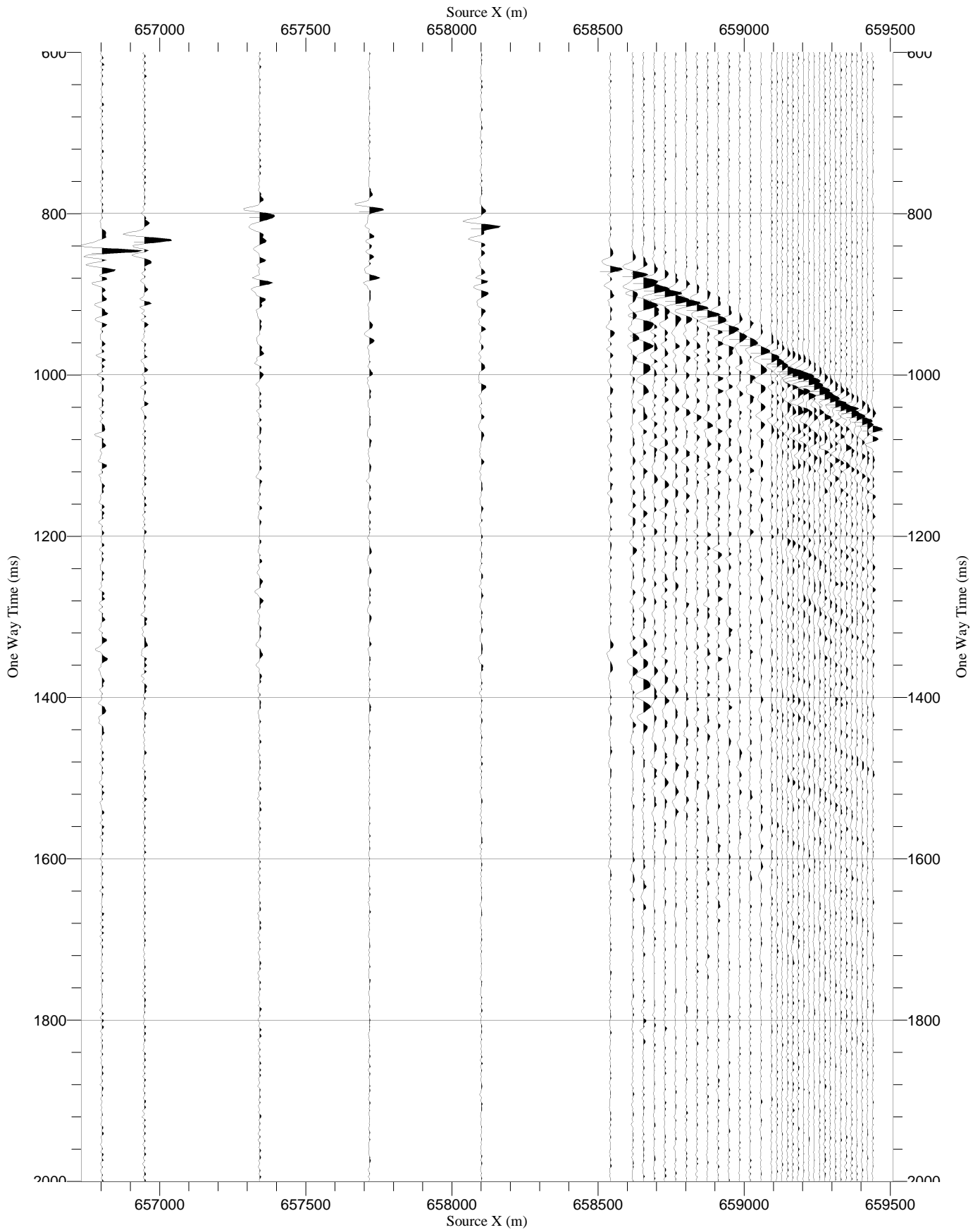
RawStack X VSI-5	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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RawStack TRY VSI-5	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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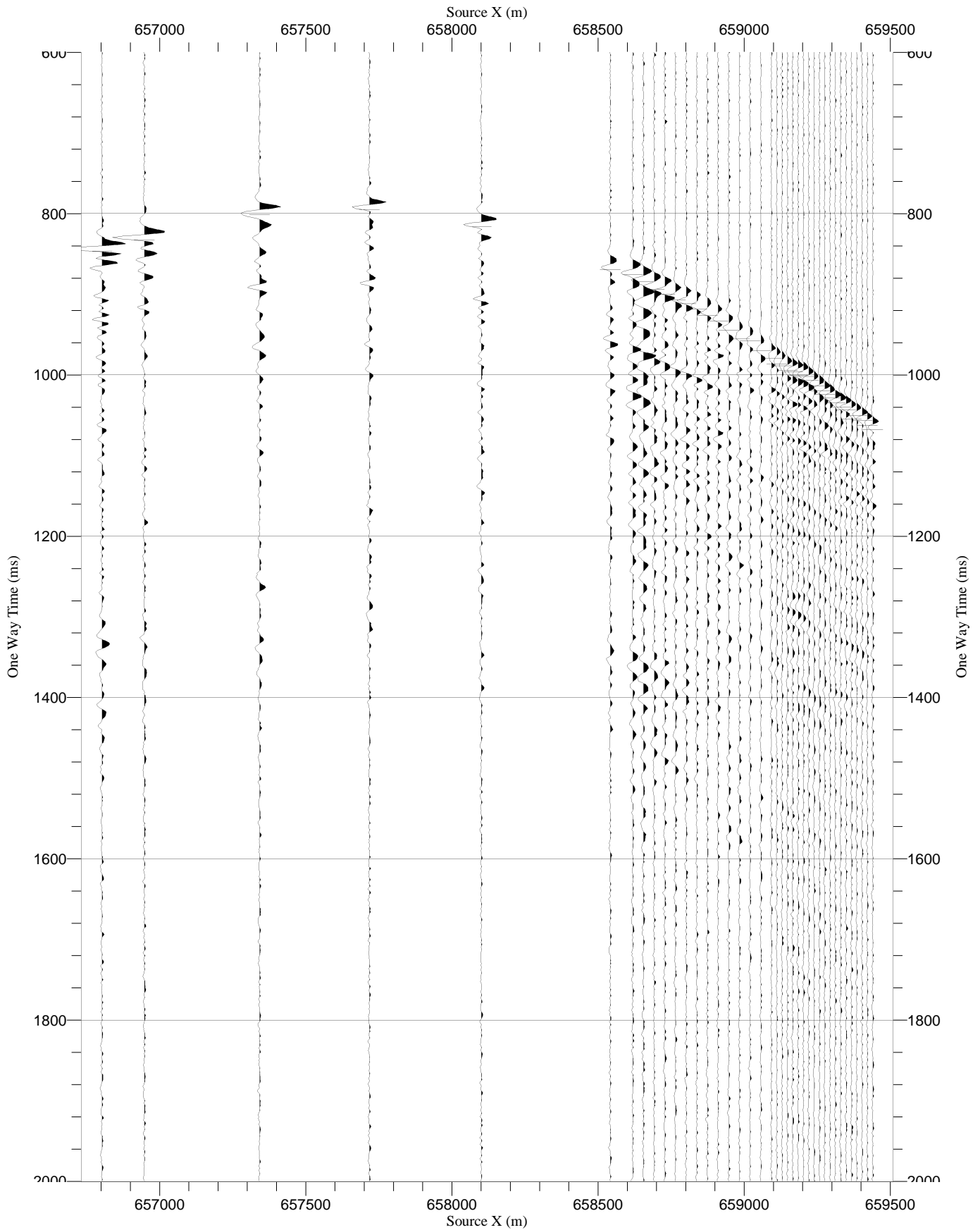
RawStack HMX VSI-5	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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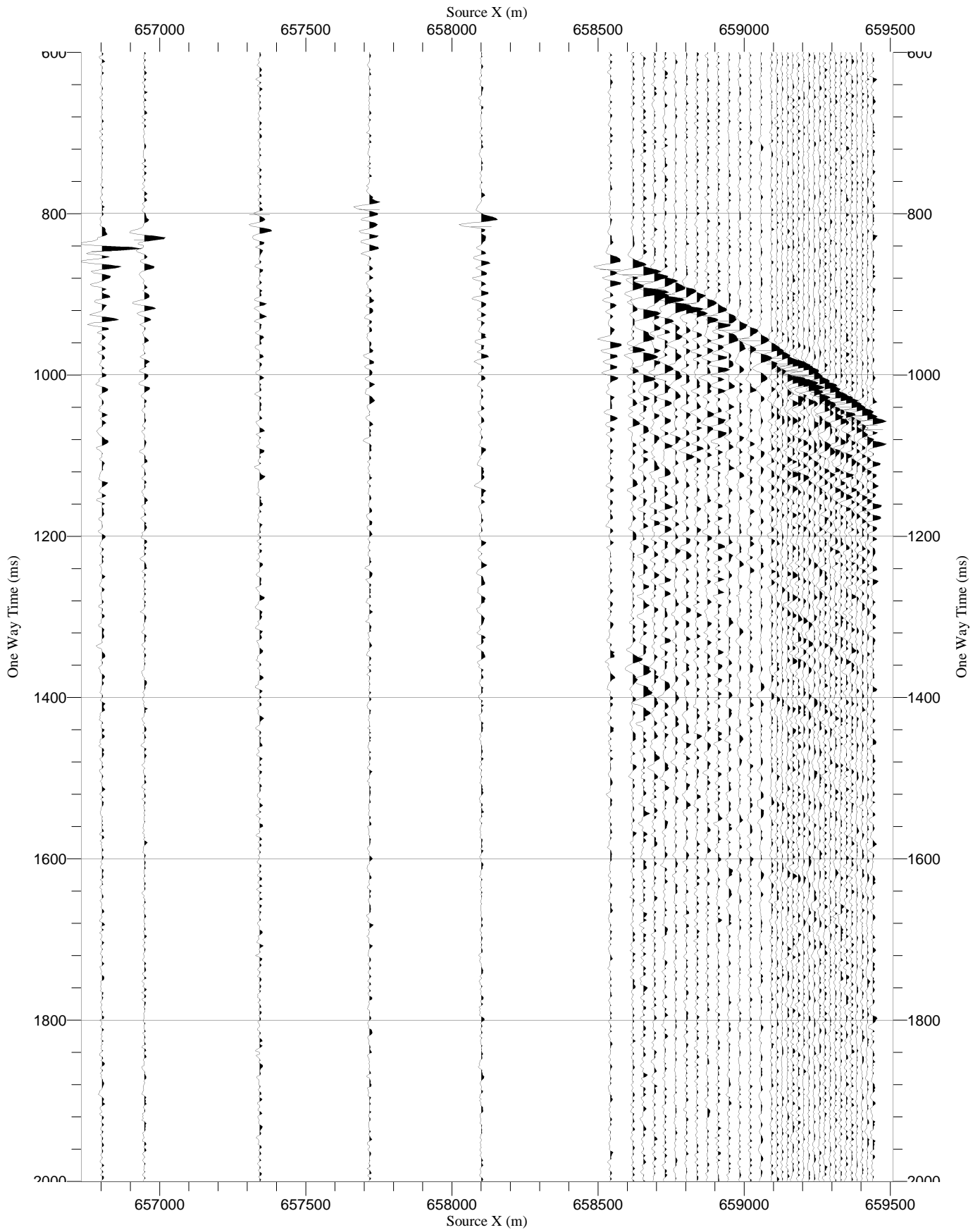
VSI-4


(1960 m receiver gather WVSP Line-B)

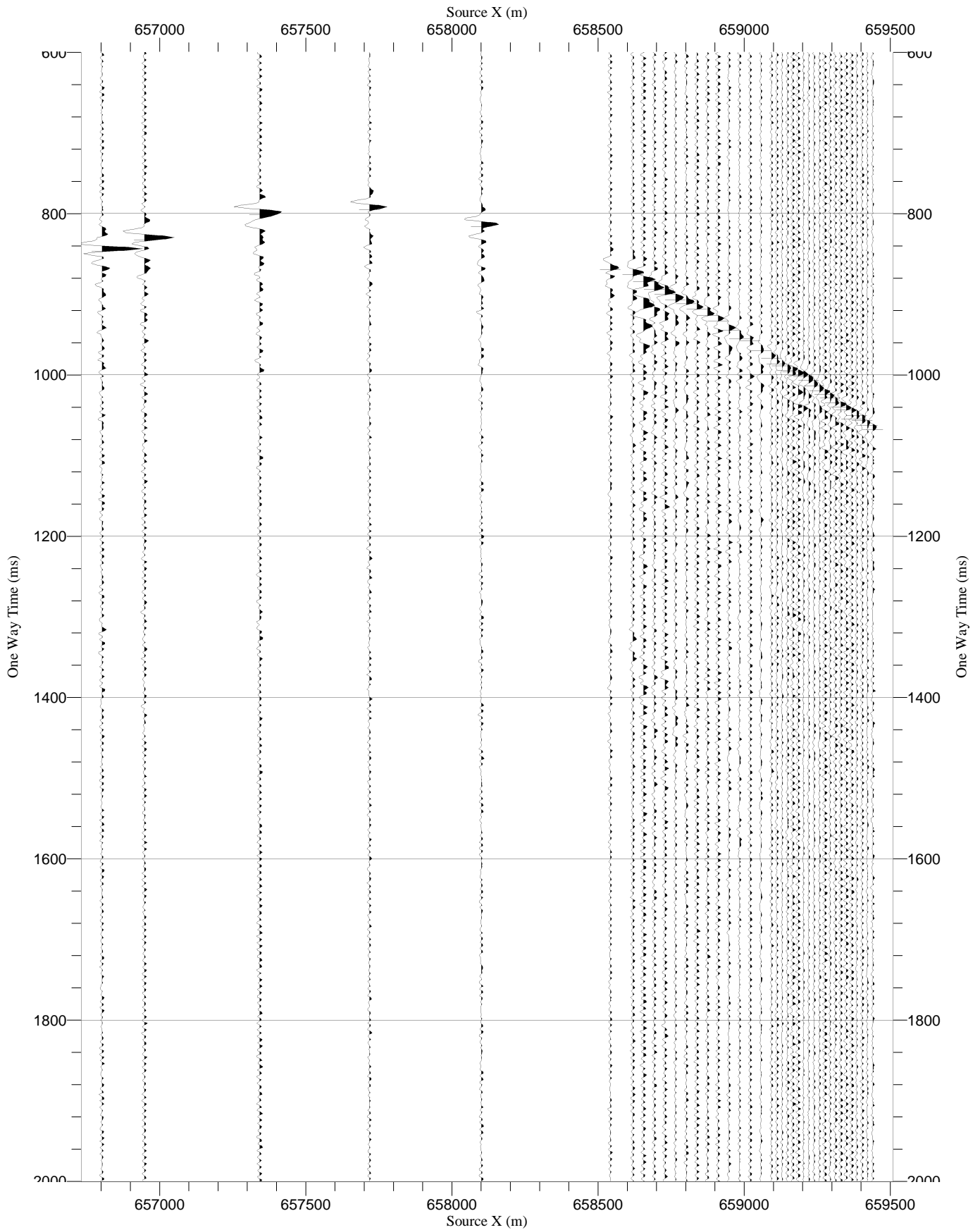
RawStack Z VSI-4	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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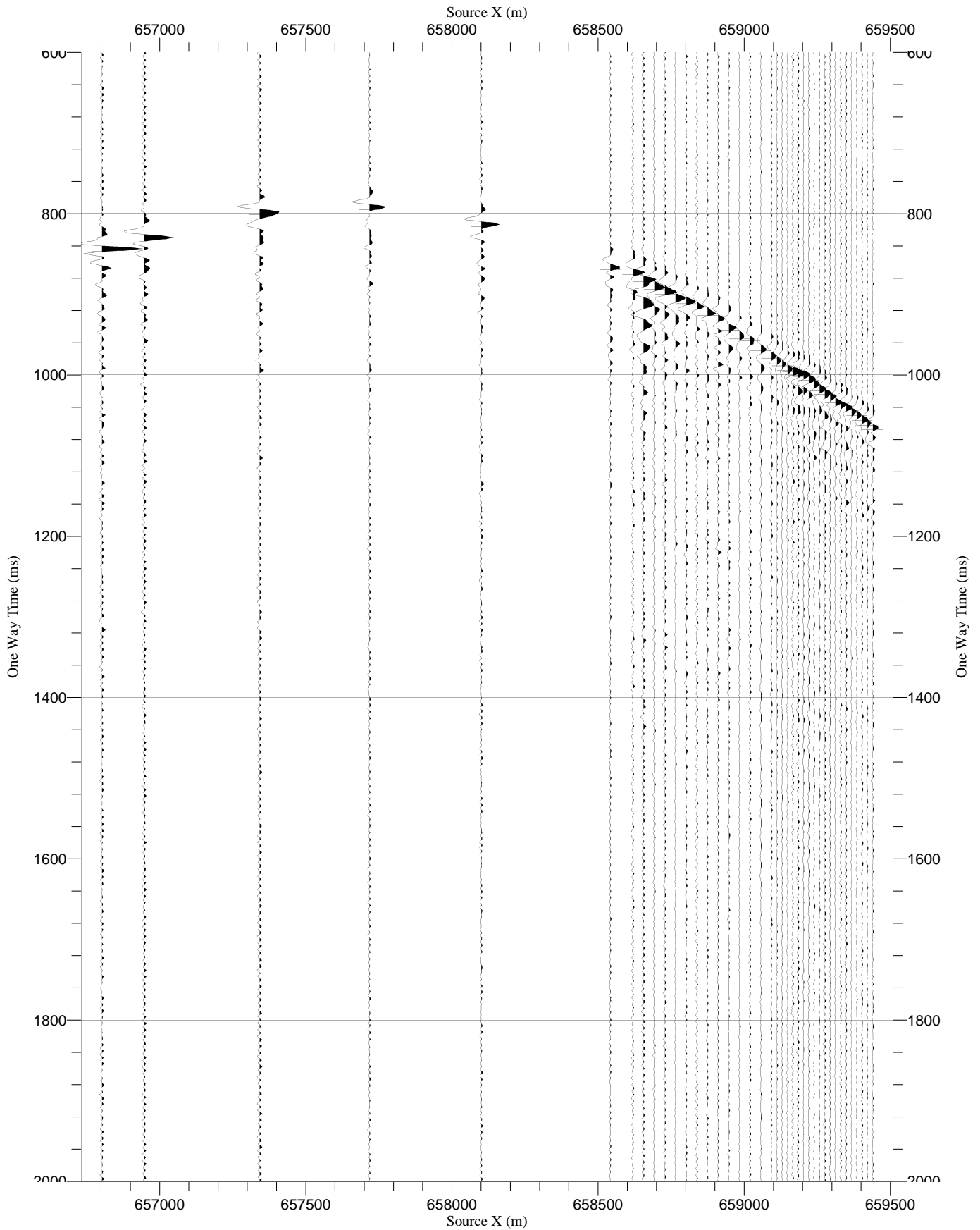
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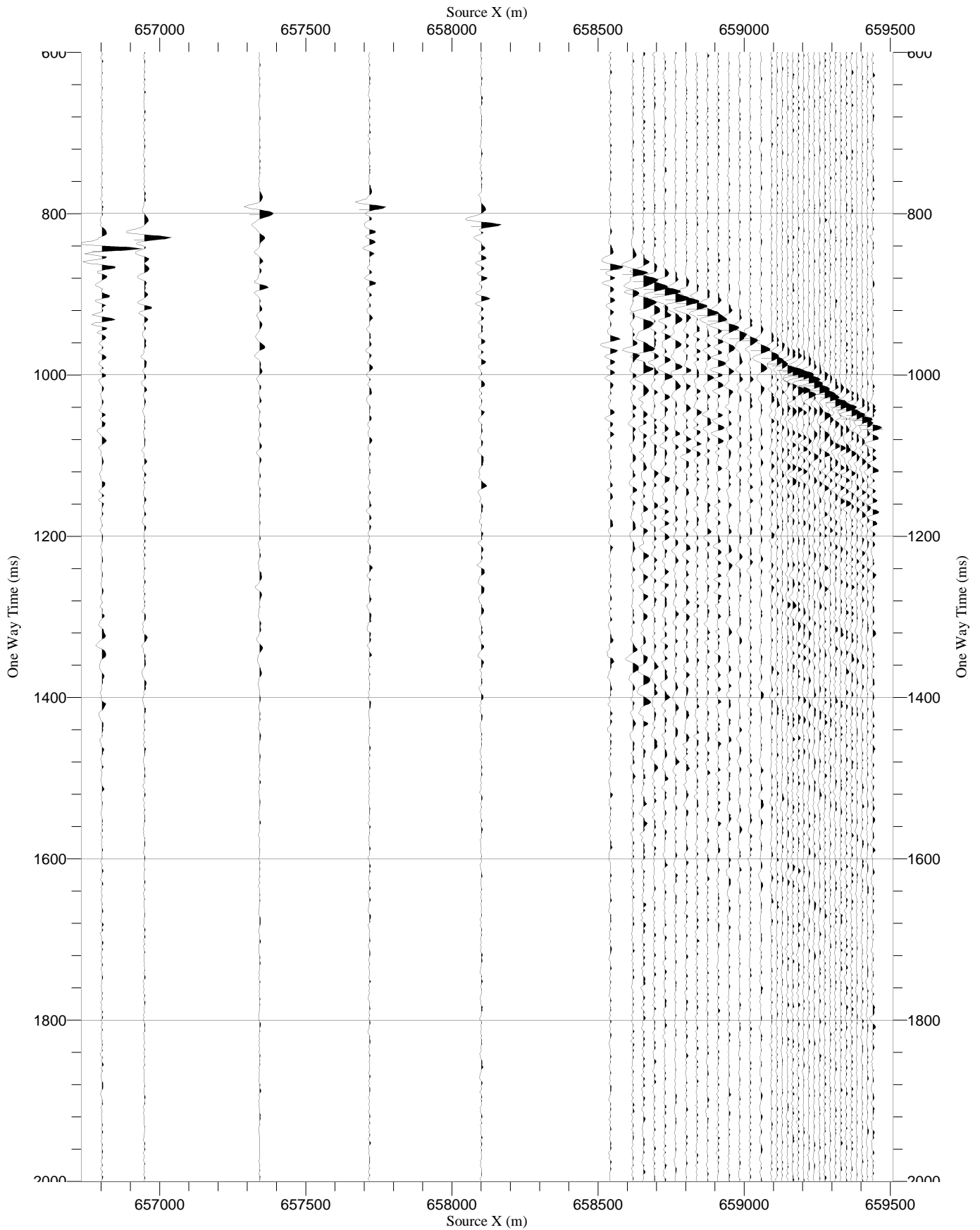
RawStack X VSI-4	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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RawStack TRY VSI-4	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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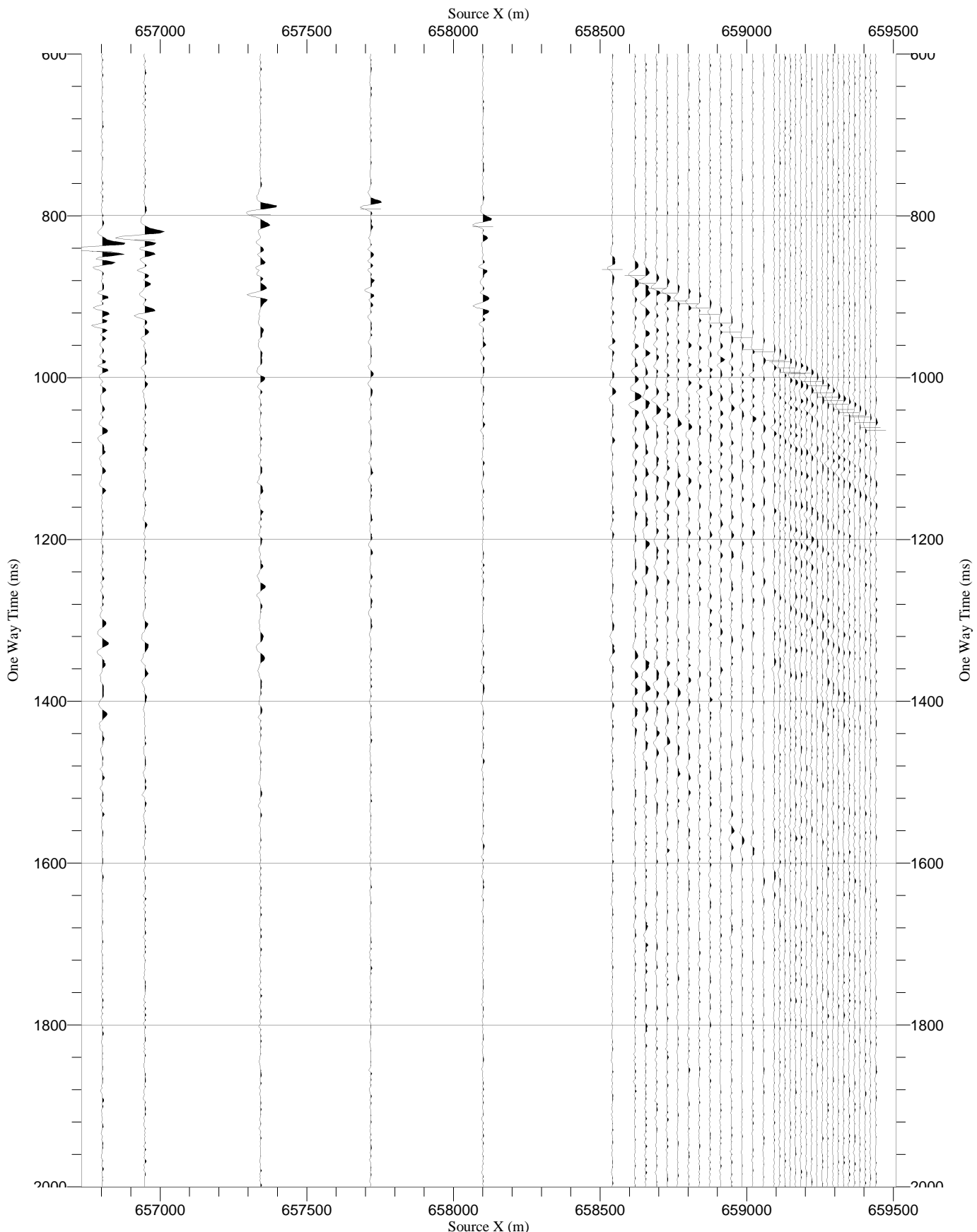
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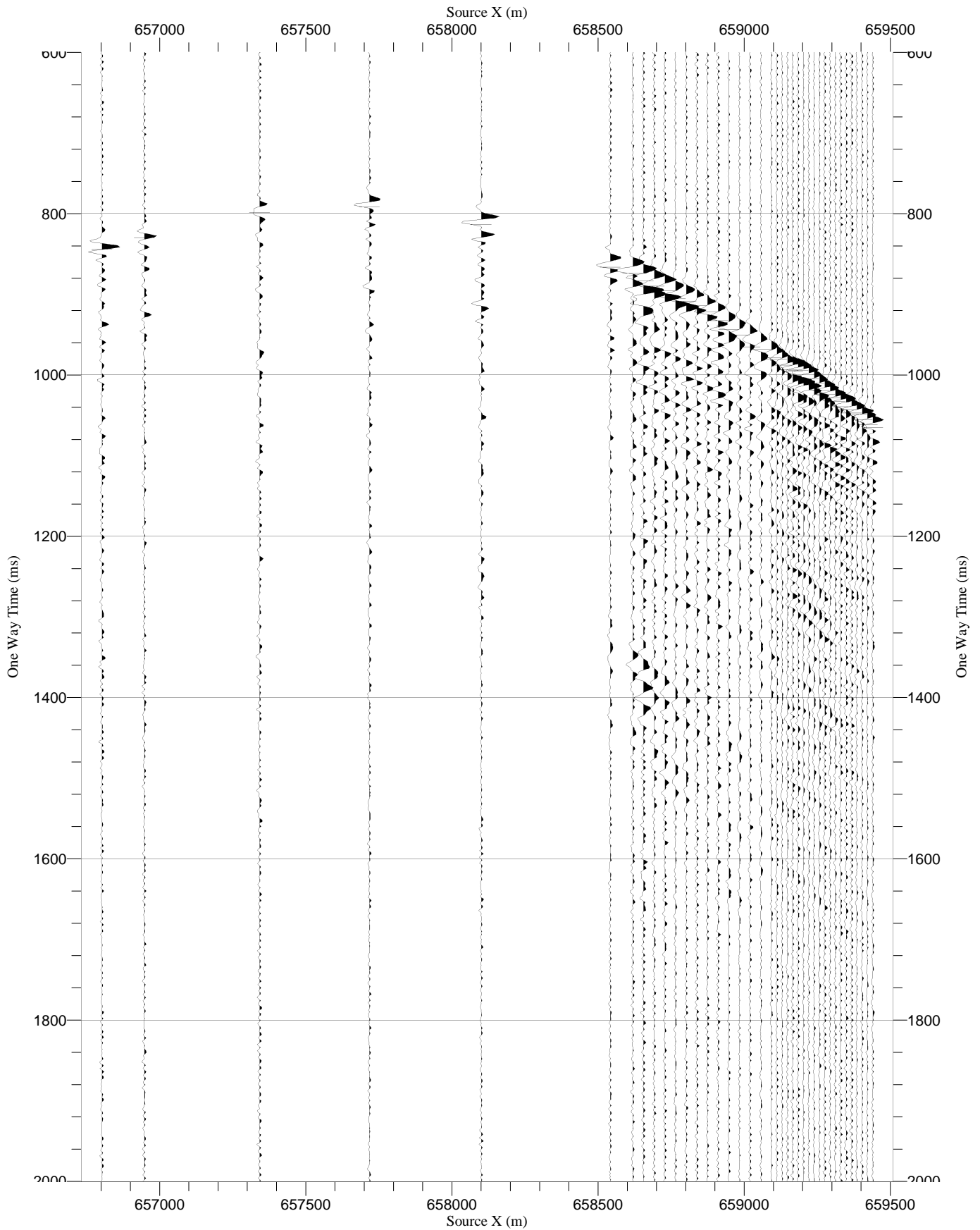
VSI-3


(1950 m receiver gather WVSP Line-B)

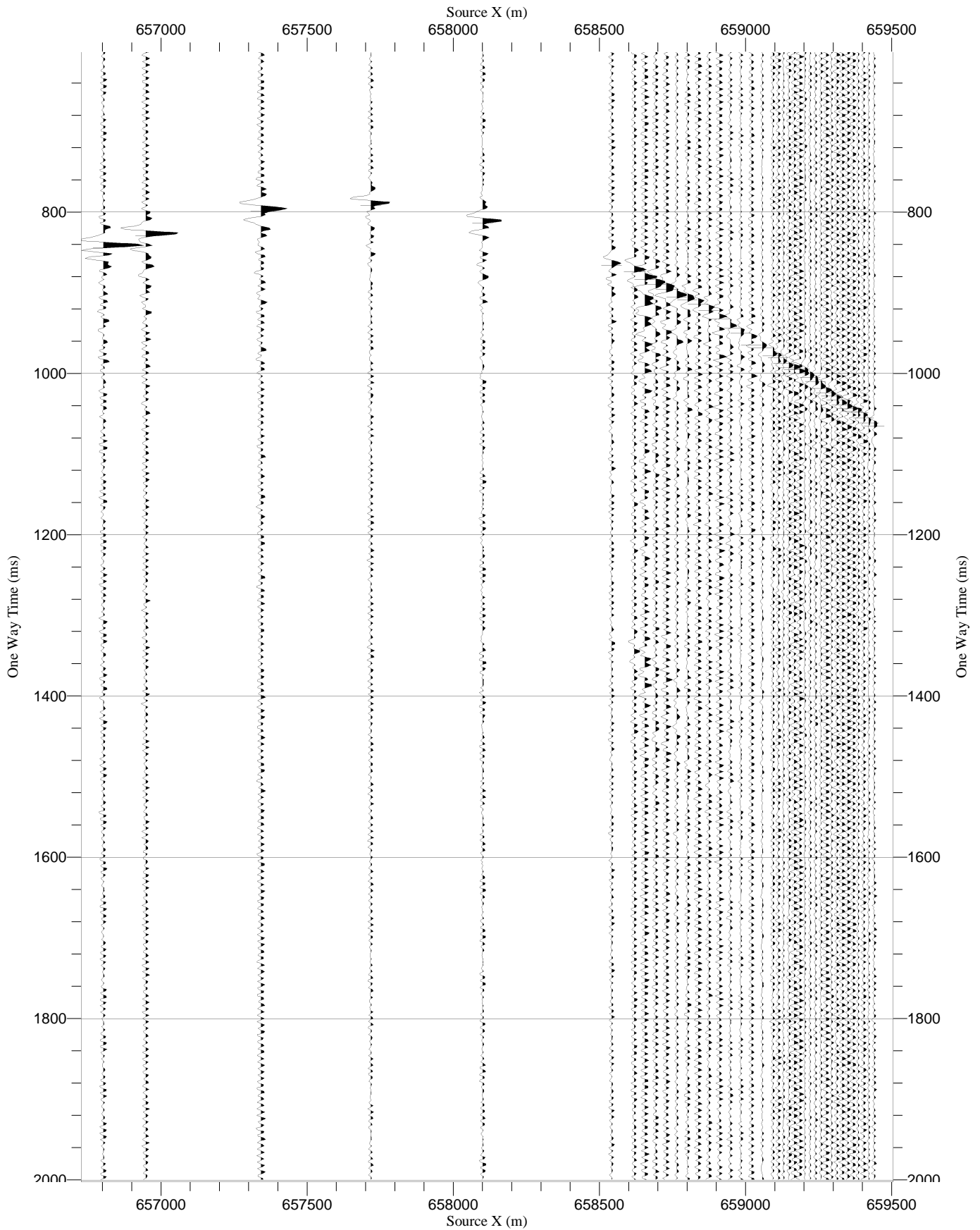
RawStack Z VSI-3	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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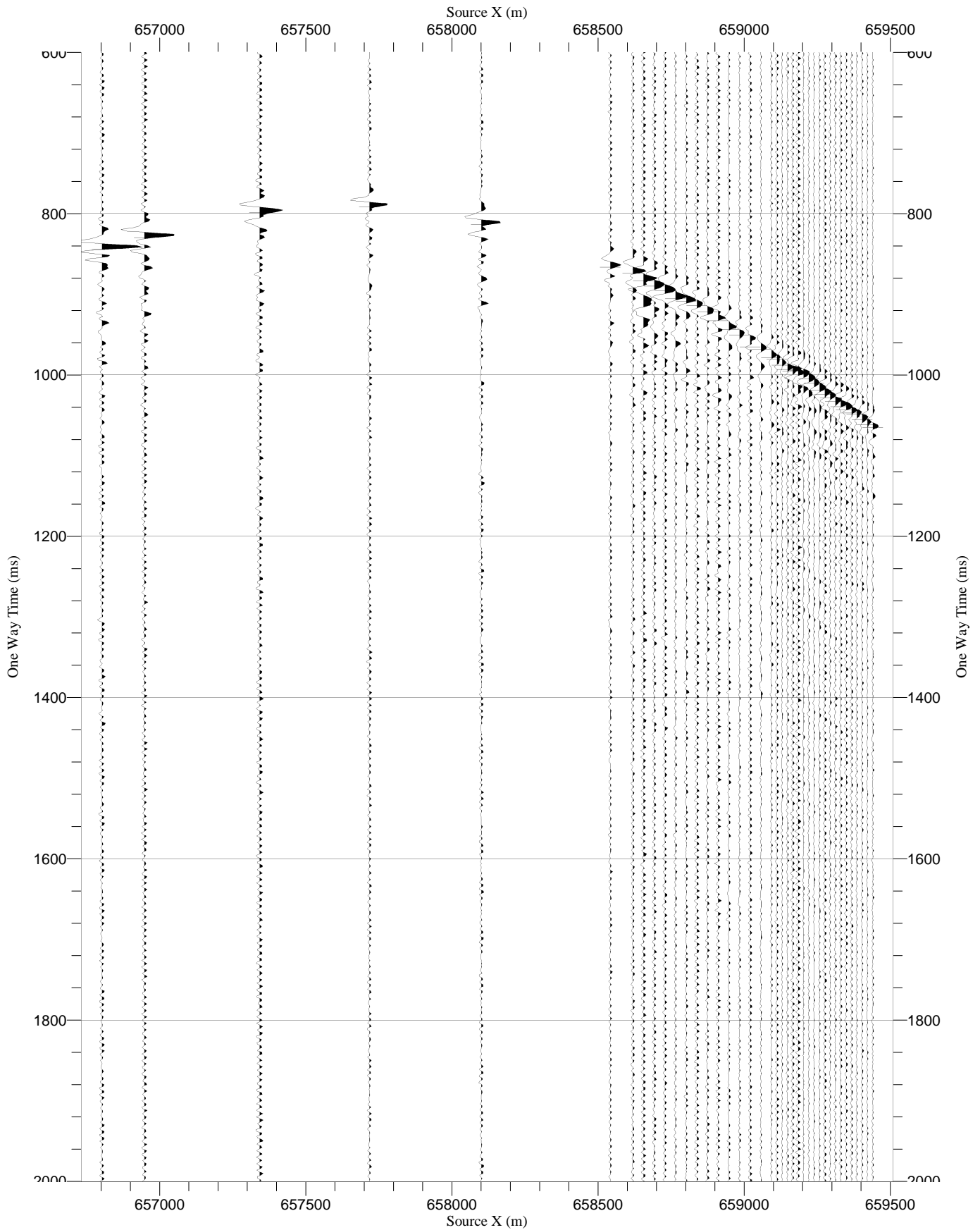
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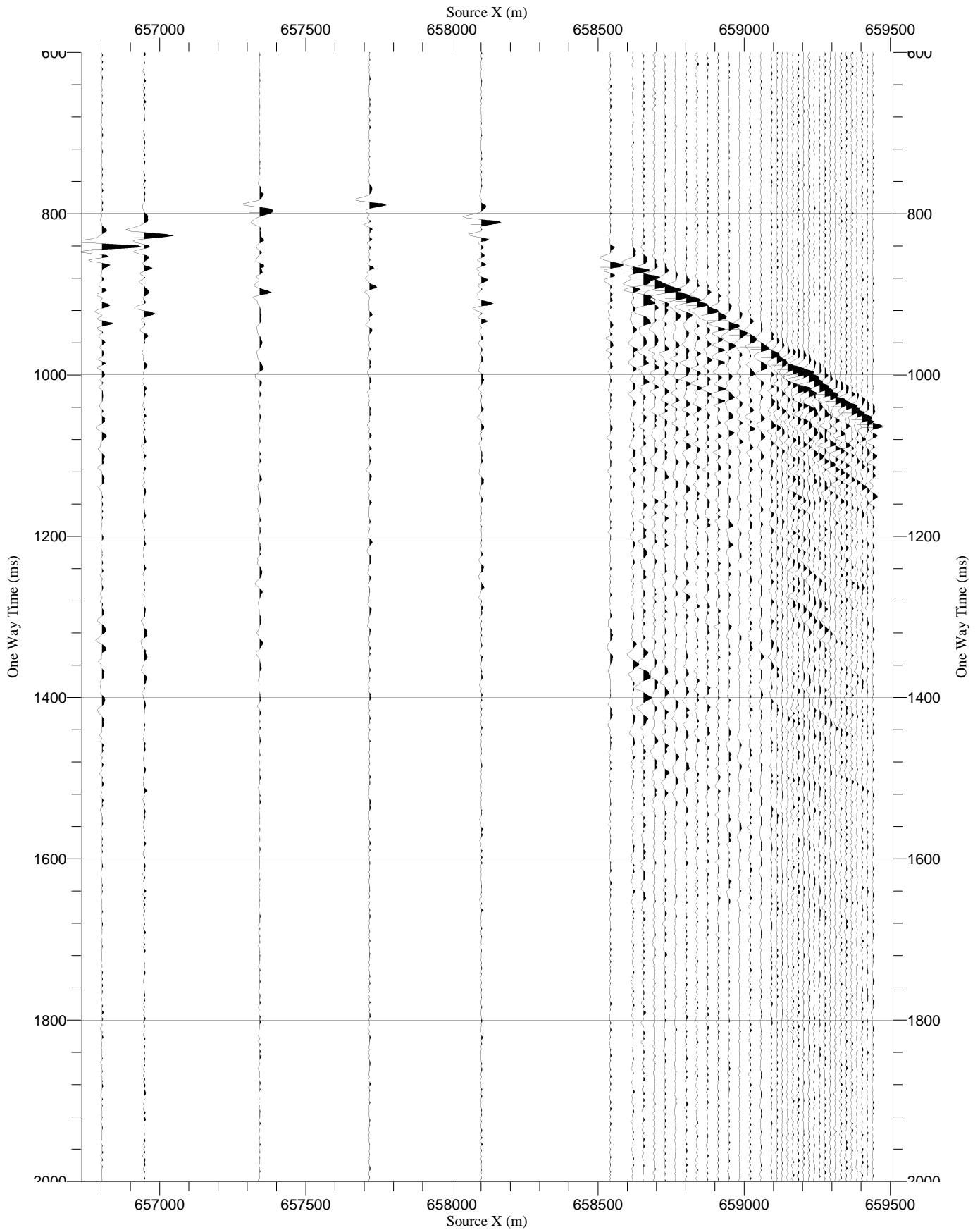
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RawStack TRY VSI-3	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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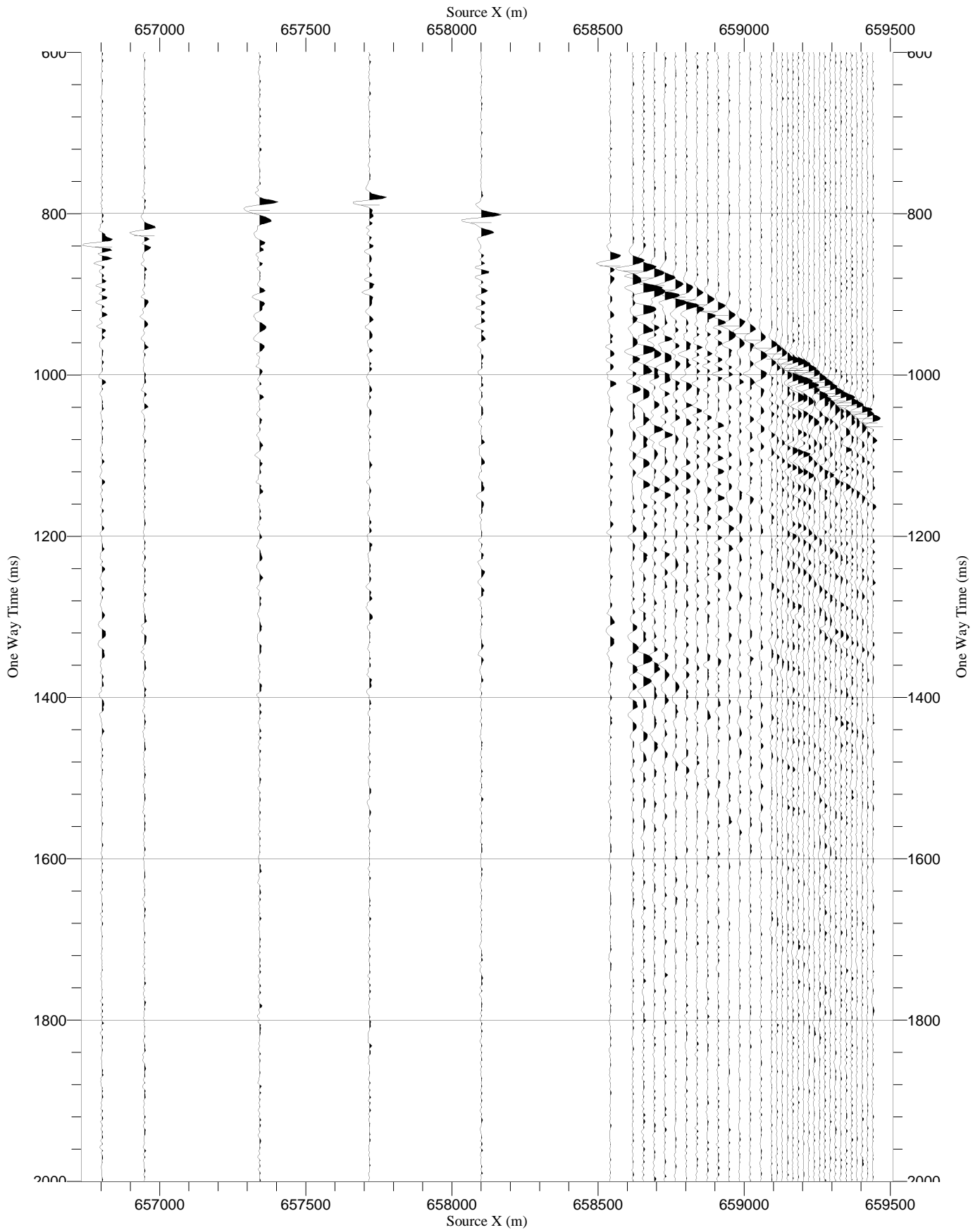
RawStack HMX VSI-3	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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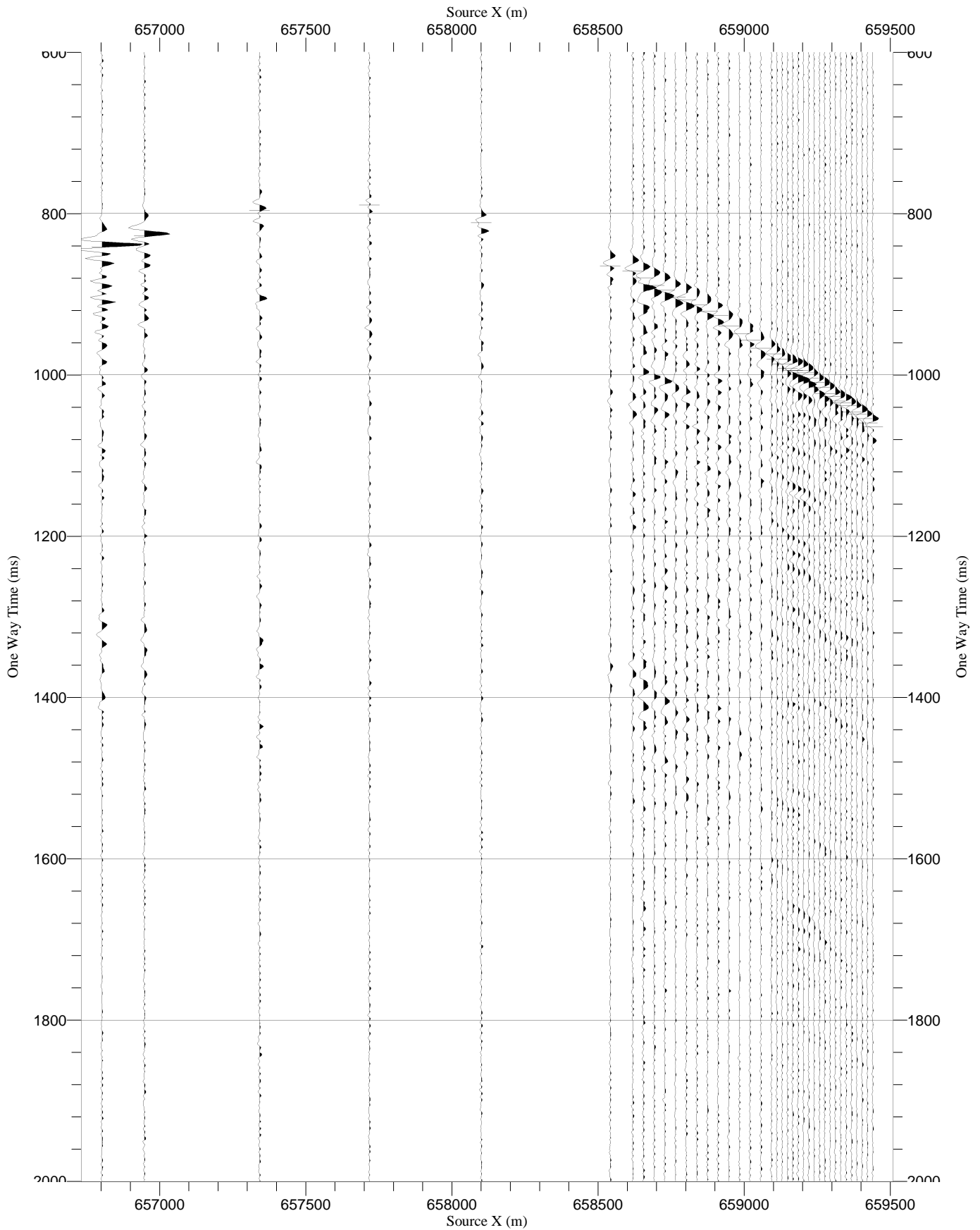
VSI-2


(1940 m receiver gather WVSP Line-B)

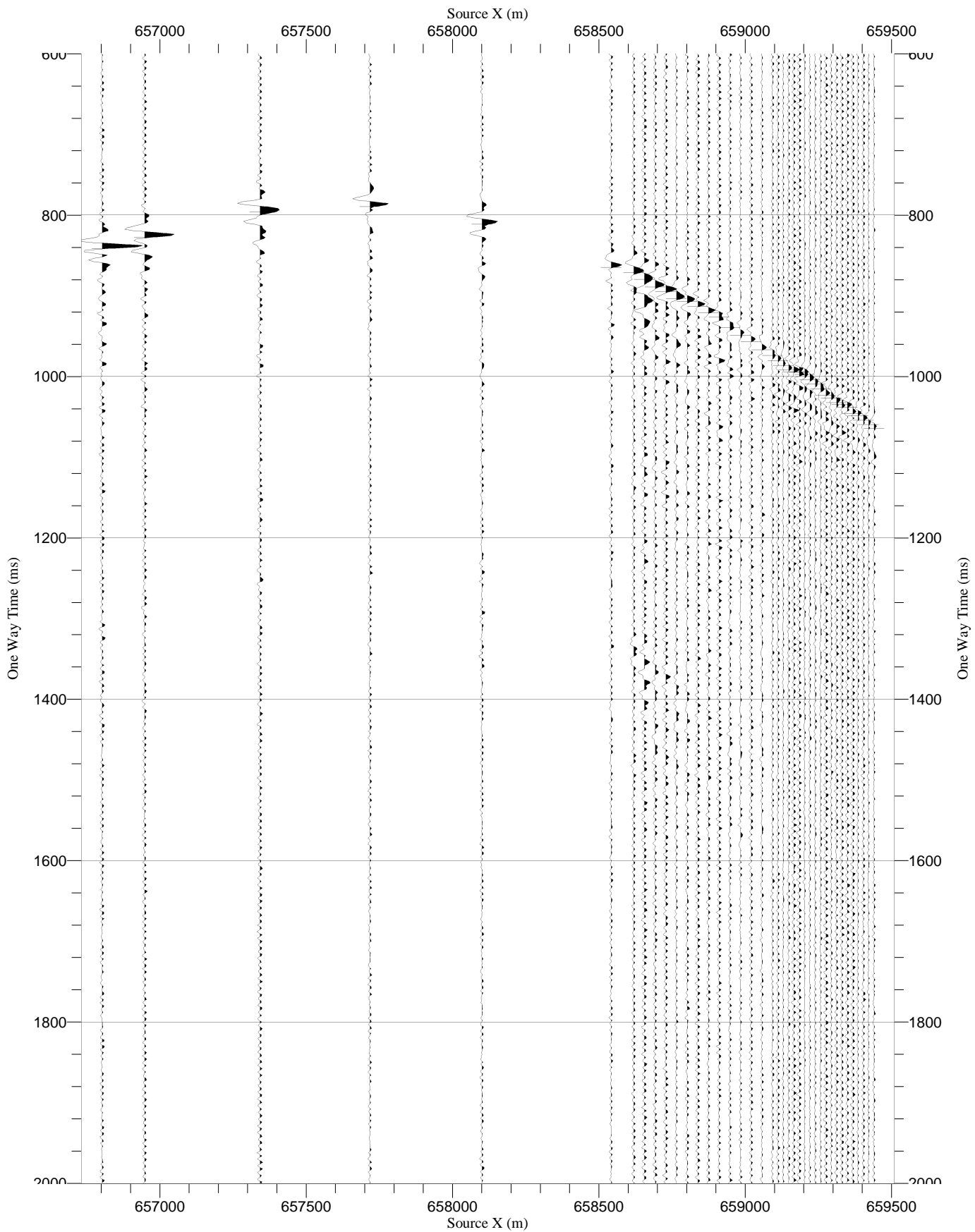
RawStack Z VSI-2	Normalization Largest Trace in Gather (100%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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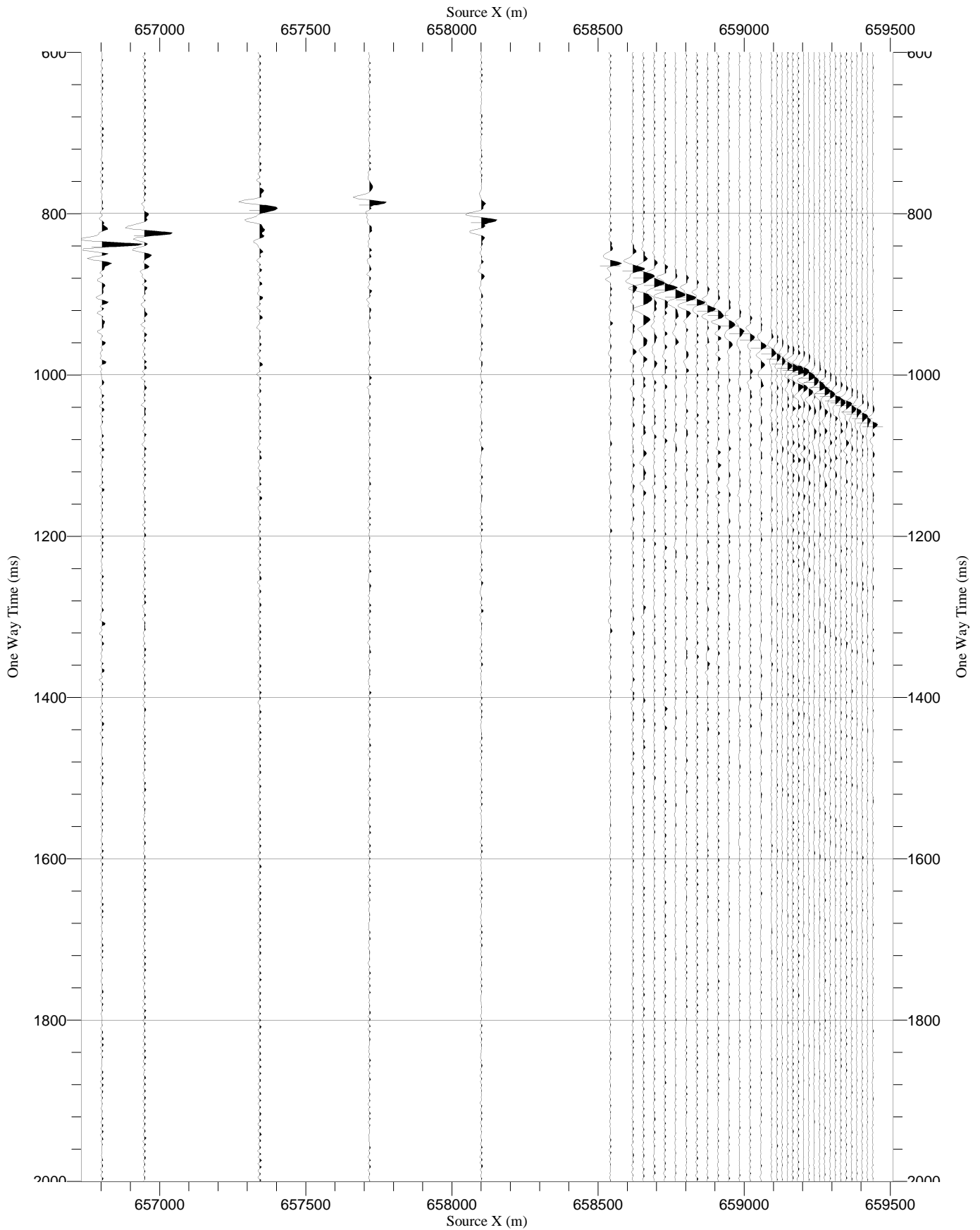
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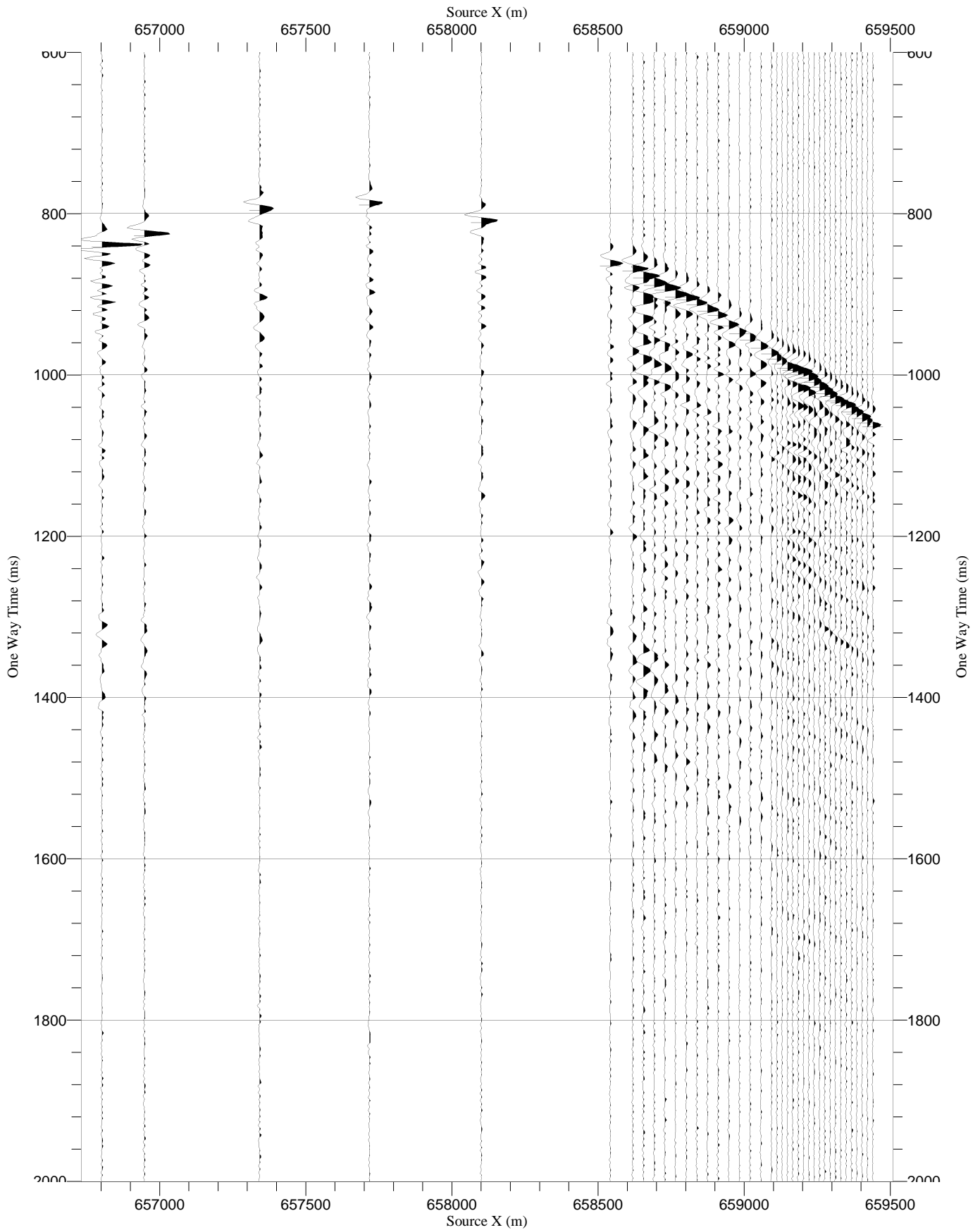
RawStack X VSI-2	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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RawStack TRY VSI-2	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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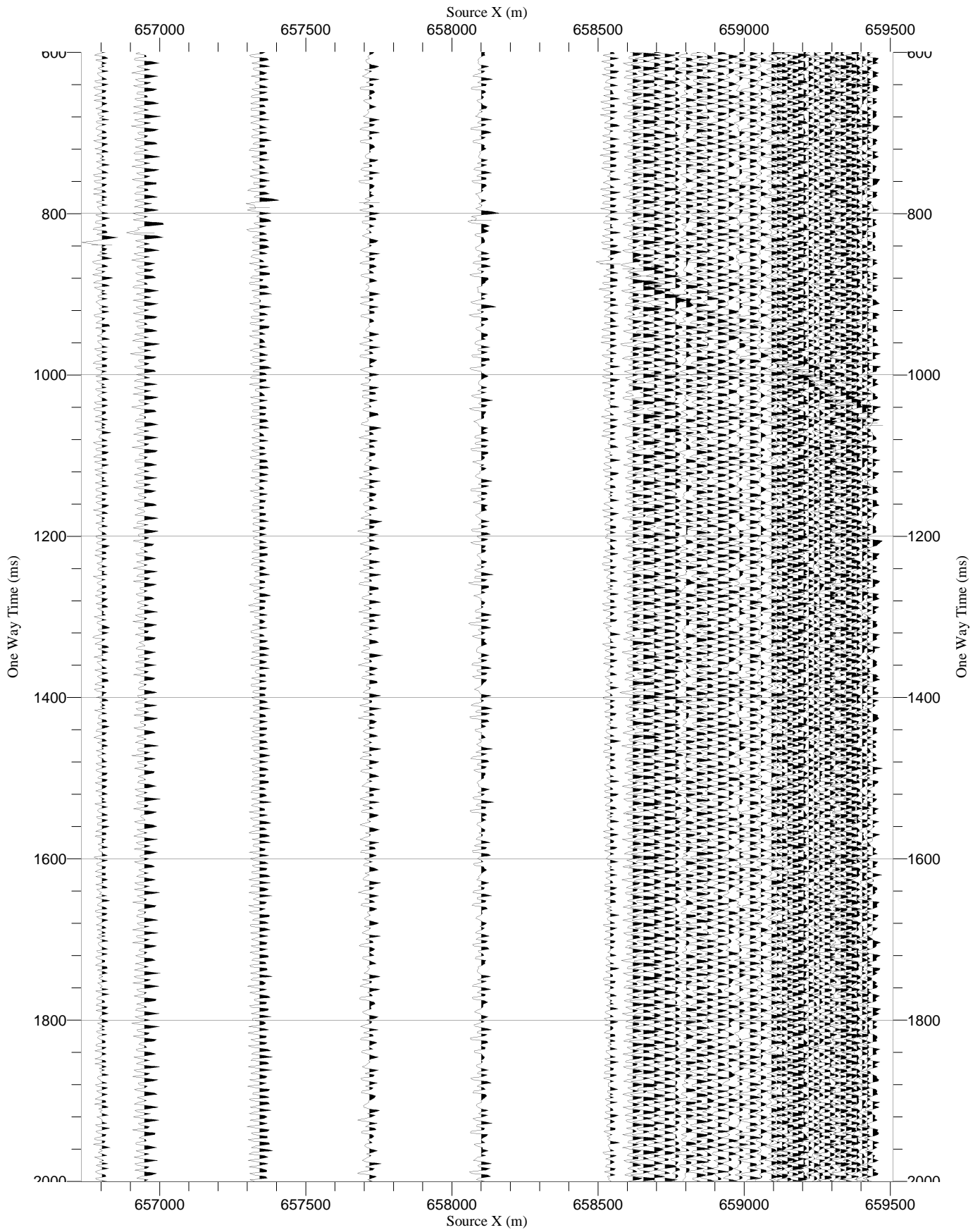
RawStack HMX VSI-2	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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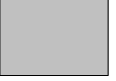


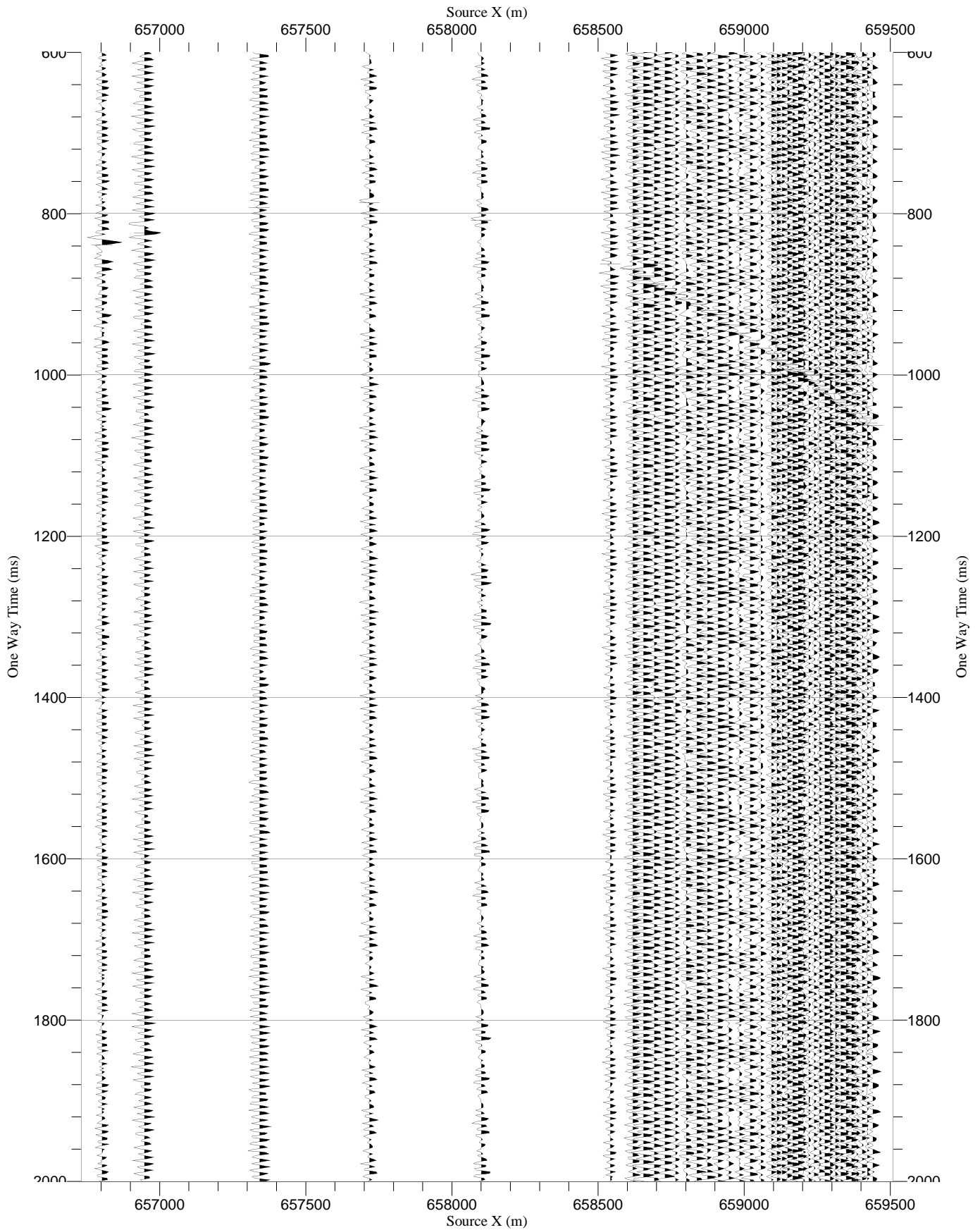
VSI-1


(1930 m receiver gather WVSP Line-B)

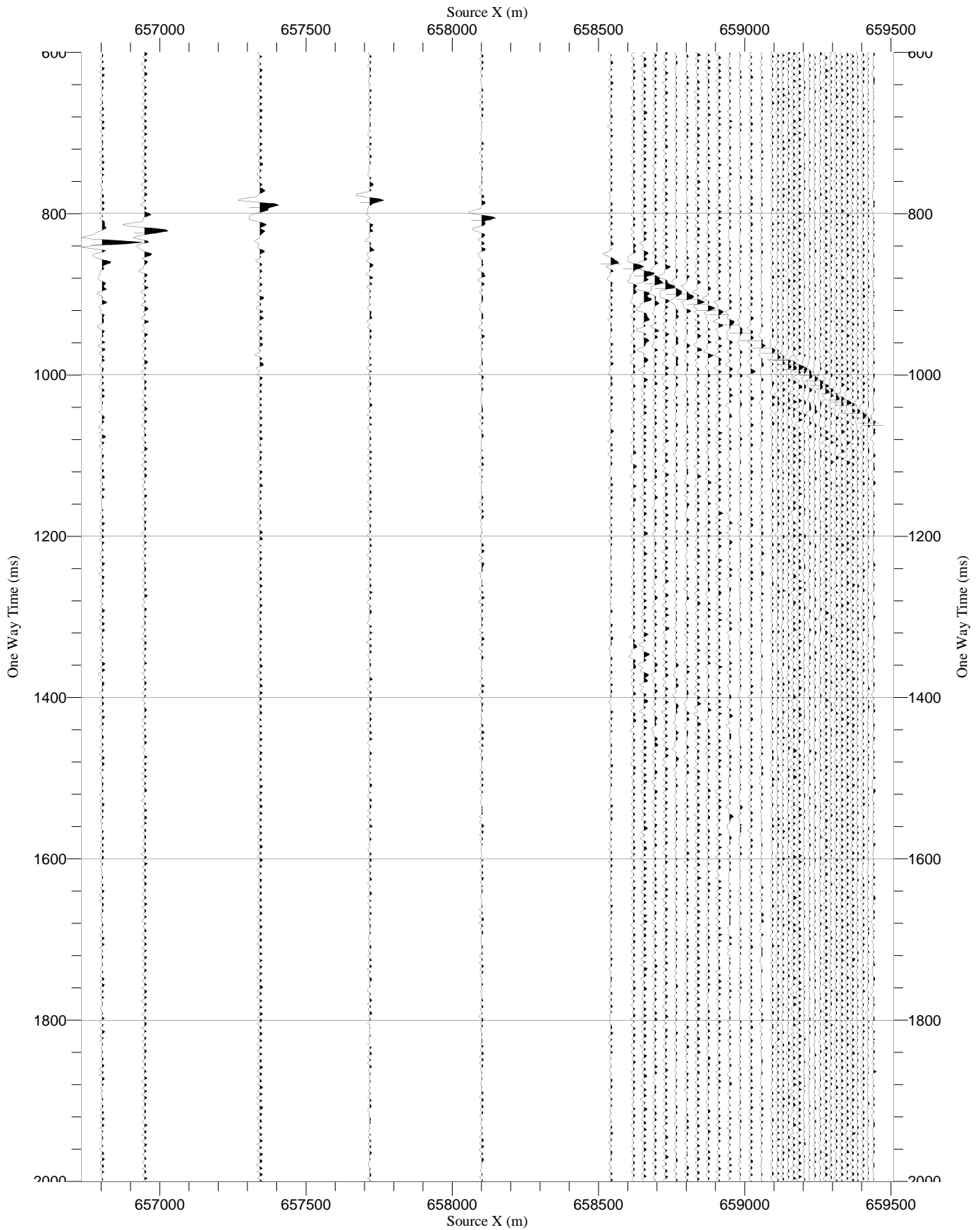
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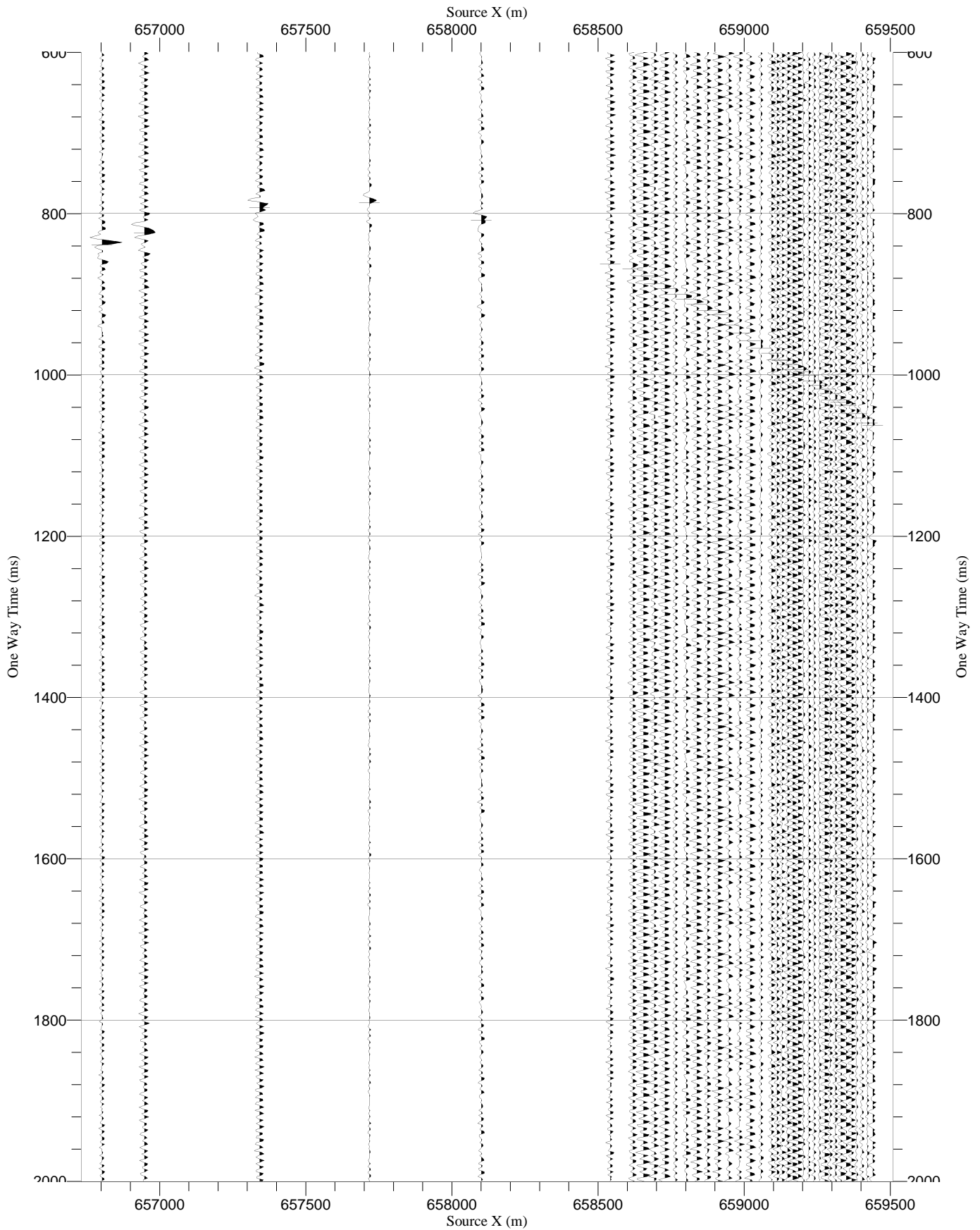
RawStack Y VSI-1	Normalization Largest Trace in Gather (100%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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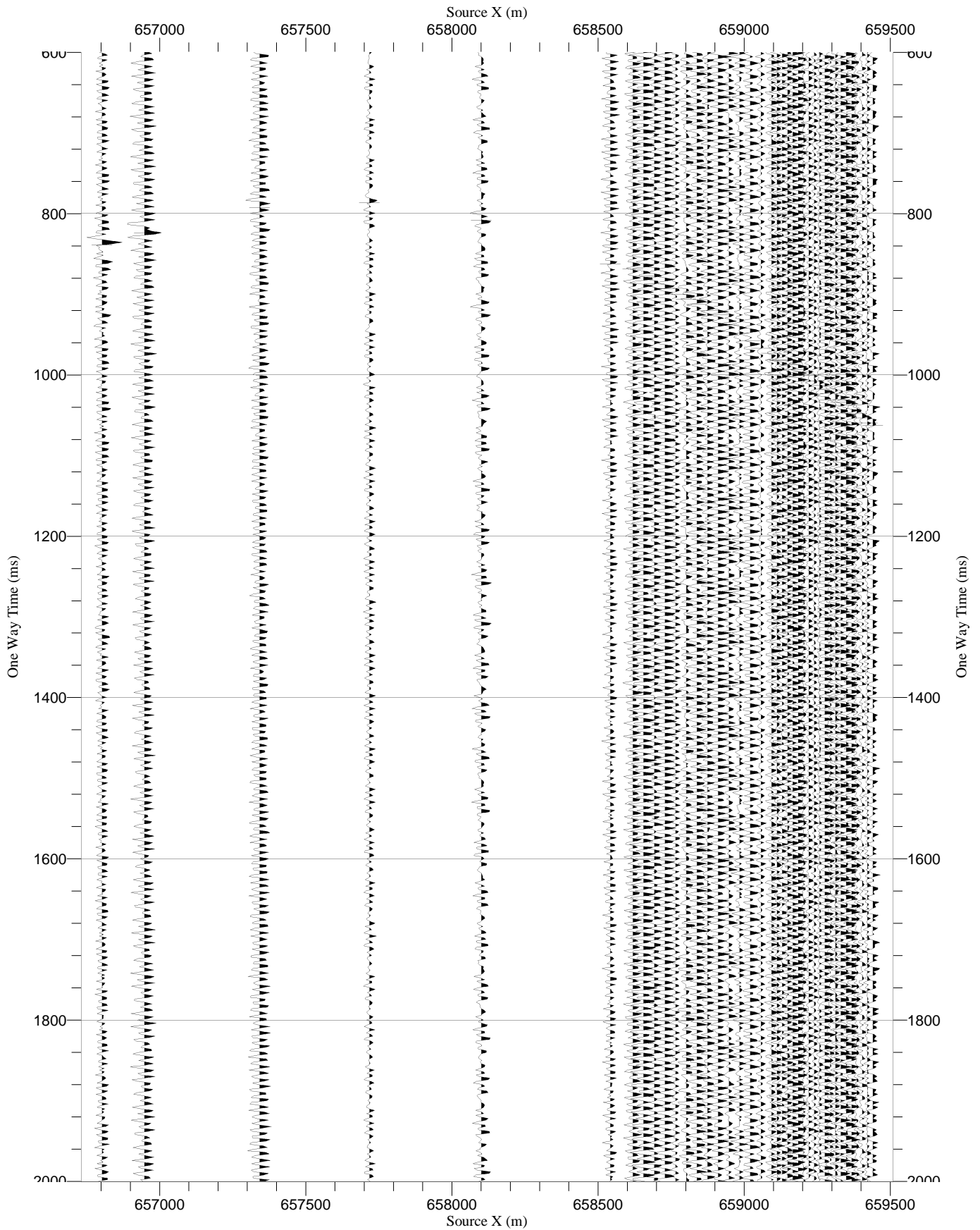
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RawStack TRY VSI-1	Normalization Largest Trace in Gather (100%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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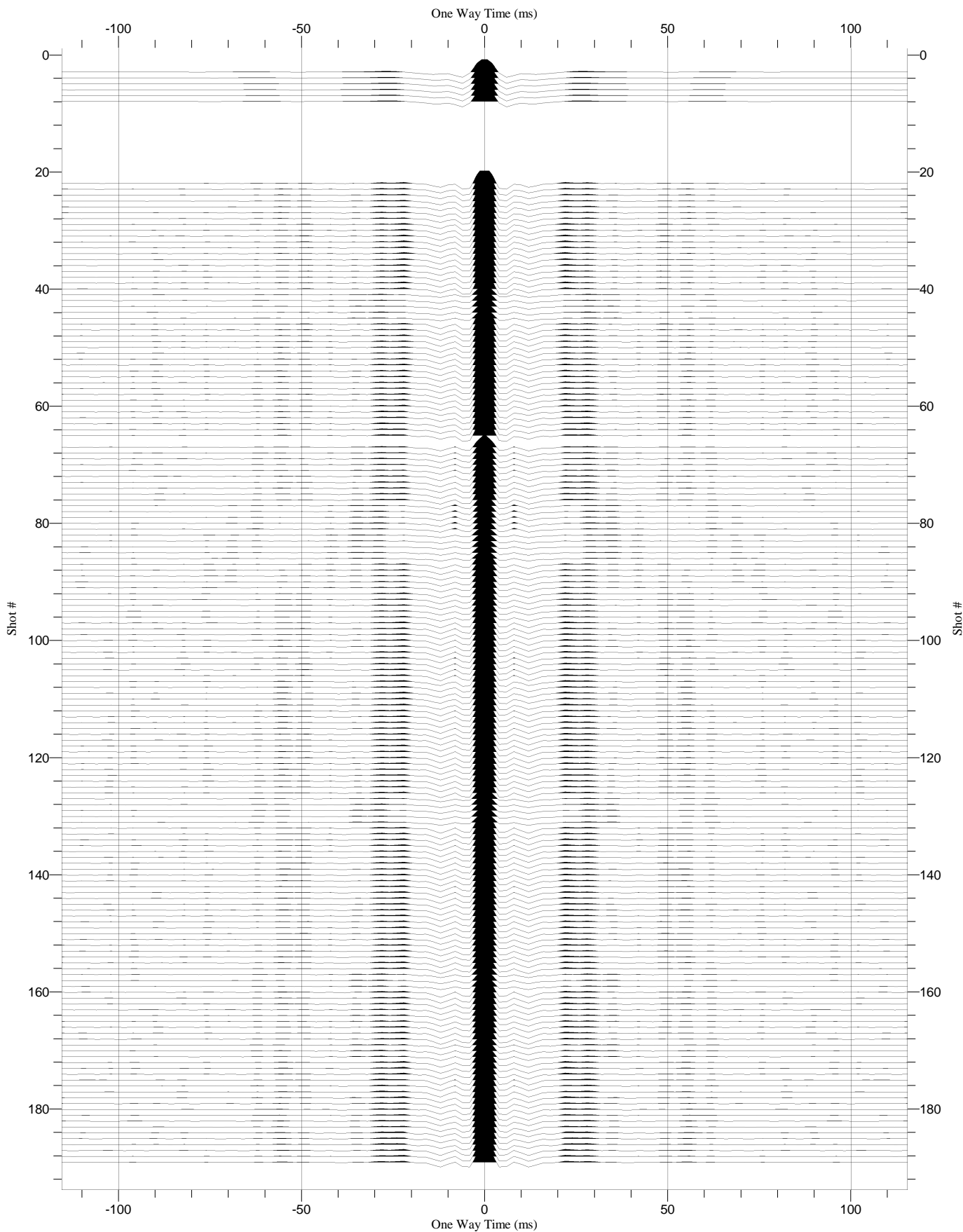


RawStack HMX VSI-1	Normalization Largest Trace in Gather (100%) Polarity Normal One Way Time (ms) Scaling 15.1 cm/sec, 1/18220	
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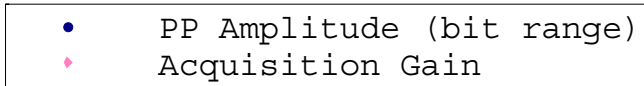
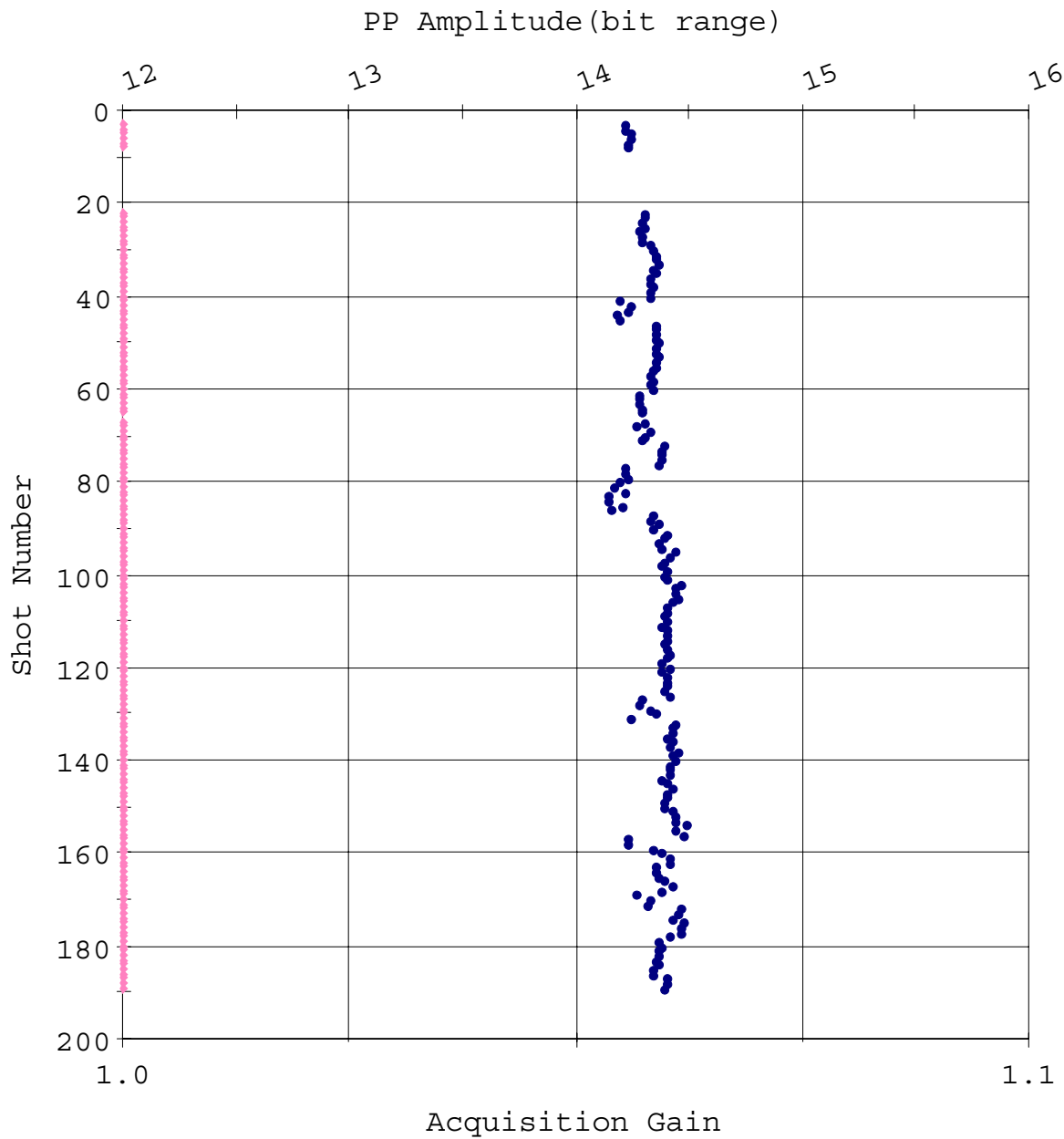


Source Signature QC Report WVSP Line-B

Source Sensor Signature	Normalization Largest Trace in Gather (300%) Polarity Normal One Way Time (ms) Scaling 69.11 cm/sec, 9.05/cm	
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Amplitude QC Plot (Surface)



Shot and Observer Report WVSP Line-B

Observer's Note (1/4)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Line	Remarks
2000.0	10:18:43	SHAK	1			
2000.0	10:19:21	BKGD	2			
2000.0	10:22:02	SHOT	3	1	1	2077 Line-A
2000.0	10:23:06	SHOT	4	1	1	
2000.0	10:23:46	SHOT	5	1	1	
2000.0	10:24:22	SHOT	6	1	1	
2000.0	10:24:56	SHOT	7	1	1	
2000.0	10:25:35	SHOT	8	1	1	
2000.0	11:26:54	ENLO	9			
2000.0	11:27:34	ENHI	10			
2000.0	11:28:00	ETHD	11			
2000.0	11:28:31	DRNG	12			
2000.0	11:29:03	GA02	13			
2000.0	11:29:19	GA04	14			
2000.0	11:29:36	GA08	15			
2000.0	11:29:52	GA16	16			
2000.0	11:30:08	GA32	17			
2000.0	11:30:40	XTLK	18			
2000.0	11:31:16	XTLK	19			
2000.0	11:31:53	XTLK	20			
2000.0	11:32:28	EIMP	21			
2000.0	13:30:06	SHOT	22	2	2	3001 Line B
2000.0	13:31:13	SHOT	23	2	2	
2000.0	13:31:50	SHOT	24	2	2	
2000.0	13:32:26	SHOT	25	2	2	
2000.0	13:33:02	SHOT	26	2	2	
2000.0	13:33:37	SHOT	27	2	2	
2000.0	13:34:13	SHOT	28	2	2	
2000.0	13:35:35	SHOT	29	3	2	3002
2000.0	13:36:10	SHOT	30	3	2	
2000.0	13:36:45	SHOT	31	3	2	
2000.0	13:37:19	SHOT	32	3	2	
2000.0	13:37:53	SHOT	33	3	2	
2000.0	13:38:27	SHOT	34	3	2	
2000.0	13:39:03	SHOT	35	3	2	
2000.0	13:40:09	SHOT	36	4	2	3003
2000.0	13:40:49	SHOT	37	4	2	
2000.0	13:41:24	SHOT	38	4	2	
2000.0	13:41:59	SHOT	39	4	2	
2000.0	13:42:34	SHOT	40	4	2	
2000.0	13:43:47	SHOT	41	5	2	3004
2000.0	13:44:23	SHOT	42	5	2	
2000.0	13:44:57	SHOT	43	5	2	
2000.0	13:45:33	SHOT	44	5	2	
2000.0	13:46:07	SHOT	45	5	2	
2000.0	13:48:24	SHOT	46	6	2	3005
2000.0	13:49:03	SHOT	47	6	2	
2000.0	13:49:37	SHOT	48	6	2	
2000.0	13:50:12	SHOT	49	6	2	
2000.0	13:50:46	SHOT	50	6	2	
2000.0	13:52:17	SHOT	51	7	2	3006
2000.0	13:52:50	SHOT	52	7	2	
2000.0	13:53:24	SHOT	53	7	2	
2000.0	13:54:00	SHOT	54	7	2	
2000.0	13:54:35	SHOT	55	7	2	
2000.0	13:55:38	SHOT	56	8	2	3007
2000.0	13:56:16	SHOT	57	8	2	
2000.0	13:56:52	SHOT	58	8	2	
2000.0	13:57:27	SHOT	59	8	2	

Observer's Note (2/4)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Line	Remarks
2000.0	13:58:05	SHOT	60	8	2	
2000.0	13:59:14	SHOT	61	9	2	3008
2000.0	13:59:52	SHOT	62	9	2	
2000.0	14:00:26	SHOT	63	9	2	
2000.0	14:01:02	SHOT	64	9	2	
2000.0	14:01:39	SHOT	65	9	2	
2000.0	14:02:36	BKGD	66			
2000.0	14:03:01	SHOT	67	10	2	3009
2000.0	14:03:44	SHOT	68	10	2	
2000.0	14:04:18	SHOT	69	10	2	
2000.0	14:04:53	SHOT	70	10	2	
2000.0	14:05:30	SHOT	71	10	2	
2000.0	14:07:48	SHOT	72	11	2	3010
2000.0	14:08:24	SHOT	73	11	2	
2000.0	14:08:58	SHOT	74	11	2	
2000.0	14:09:32	SHOT	75	11	2	
2000.0	14:10:07	SHOT	76	11	2	
2000.0	14:11:20	SHOT	77	12	2	3011
2000.0	14:11:53	SHOT	78	12	2	
2000.0	14:12:29	SHOT	79	12	2	
2000.0	14:13:02	SHOT	80	12	2	
2000.0	14:13:36	SHOT	81	12	2	
2000.0	14:14:55	SHOT	82	13	2	3012
2000.0	14:15:32	SHOT	83	13	2	
2000.0	14:16:06	SHOT	84	13	2	
2000.0	14:16:41	SHOT	85	13	2	
2000.0	14:17:16	SHOT	86	13	2	
2000.0	14:19:31	SHOT	87	14	2	3013
2000.0	14:20:08	SHOT	88	14	2	
2000.0	14:20:43	SHOT	89	14	2	
2000.0	14:21:19	SHOT	90	14	2	
2000.0	14:21:56	SHOT	91	14	2	
2000.0	14:26:08	SHOT	92	15	2	3014
2000.0	14:26:49	SHOT	93	15	2	
2000.0	14:27:25	SHOT	94	15	2	
2000.0	14:28:06	SHOT	95	15	2	
2000.0	14:28:42	SHOT	96	15	2	
2000.0	14:30:22	SHOT	97	16	2	3015
2000.0	14:31:01	SHOT	98	16	2	
2000.0	14:31:43	SHOT	99	16	2	
2000.0	14:32:28	SHOT	100	16	2	
2000.0	14:33:03	SHOT	101	16	2	
2000.0	14:35:18	SHOT	102	17	2	3016
2000.0	14:35:53	SHOT	103	17	2	
2000.0	14:36:34	SHOT	104	17	2	
2000.0	14:37:09	SHOT	105	17	2	
2000.0	14:37:44	SHOT	106	17	2	
2000.0	14:39:17	SHOT	107	18	2	3017
2000.0	14:39:54	SHOT	108	18	2	
2000.0	14:40:31	SHOT	109	18	2	
2000.0	14:41:05	SHOT	110	18	2	
2000.0	14:44:59	SHOT	111	18	2	
2000.0	14:46:18	SHOT	112	19	2	3018
2000.0	14:47:02	SHOT	113	19	2	
2000.0	14:47:37	SHOT	114	19	2	
2000.0	14:48:12	SHOT	115	19	2	
2000.0	14:48:46	SHOT	116	19	2	
2000.0	14:49:58	SHOT	117	20	2	3019
2000.0	14:50:35	SHOT	118	20	2	

Observer's Note (3/4)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Line	Remarks
2000.0	14:51:12	SHOT	119	20	2	
2000.0	14:51:48	SHOT	120	20	2	
2000.0	14:52:25	SHOT	121	20	2	
2000.0	14:53:31	SHOT	122	21	2	3020
2000.0	14:54:09	SHOT	123	21	2	
2000.0	14:55:06	SHOT	124	21	2	
2000.0	14:55:42	SHOT	125	21	2	
2000.0	14:56:17	SHOT	126	21	2	
2000.0	14:57:30	SHOT	127	22	2	3022
2000.0	14:58:16	SHOT	128	22	2	
2000.0	14:58:50	SHOT	129	22	2	
2000.0	14:59:24	SHOT	130	22	2	
2000.0	14:59:59	SHOT	131	22	2	
2000.0	15:01:14	SHOT	132	23	2	3024
2000.0	15:01:52	SHOT	133	23	2	
2000.0	15:02:26	SHOT	134	23	2	
2000.0	15:03:02	SHOT	135	23	2	
2000.0	15:03:36	SHOT	136	23	2	
2000.0	15:04:45	SHOT	137	24	2	3026
2000.0	15:05:23	SHOT	138	24	2	
2000.0	15:05:58	SHOT	139	24	2	
2000.0	15:06:32	SHOT	140	24	2	
2000.0	15:07:07	SHOT	141	24	2	
2000.0	15:08:24	SHOT	142	25	2	3028
2000.0	15:08:58	SHOT	143	25	2	
2000.0	15:09:33	SHOT	144	25	2	
2000.0	15:11:06	SHOT	145	26	2	3030
2000.0	15:11:43	SHOT	146	26	2	
2000.0	15:12:17	SHOT	147	26	2	
2000.0	15:13:50	SHOT	148	27	2	3032
2000.0	15:14:27	SHOT	149	27	2	
2000.0	15:15:01	SHOT	150	27	2	
2000.0	15:16:12	SHOT	151	28	2	3034
2000.0	15:16:48	SHOT	152	28	2	
2000.0	15:17:23	SHOT	153	28	2	
2000.0	15:19:18	SHOT	154	29	2	3036
2000.0	15:19:56	SHOT	155	29	2	
2000.0	15:20:31	SHOT	156	29	2	
2000.0	15:22:13	SHOT	157	30	2	3038
2000.0	15:22:47	SHOT	158	30	2	
2000.0	15:23:21	SHOT	159	30	2	
2000.0	15:24:39	SHOT	160	31	2	3040
2000.0	15:25:14	SHOT	161	31	2	
2000.0	15:25:49	SHOT	162	31	2	
2000.0	15:26:57	SHOT	163	32	2	3042
2000.0	15:27:34	SHOT	164	32	2	
2000.0	15:28:08	SHOT	165	32	2	
2000.0	15:29:21	SHOT	166	33	2	3044
2000.0	15:29:58	SHOT	167	33	2	
2000.0	15:30:34	SHOT	168	33	2	
2000.0	15:31:50	SHOT	169	34	2	3046
2000.0	15:32:25	SHOT	170	34	2	
2000.0	15:33:02	SHOT	171	34	2	
2000.0	15:35:24	SHOT	172	35	2	3048
2000.0	15:35:59	SHOT	173	35	2	
2000.0	15:36:34	SHOT	174	35	2	
2000.0	15:39:57	SHOT	175	36	2	4001
2000.0	15:40:33	SHOT	176	36	2	
2000.0	15:41:07	SHOT	177	36	2	

Observer's Note (4/4)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Line	Remarks
2000.0	15:43:22	SHOT	178	37	2	4002
2000.0	15:43:59	SHOT	179	37	2	
2000.0	15:44:33	SHOT	180	37	2	
2000.0	15:46:32	SHOT	181	38	2	4003
2000.0	15:47:07	SHOT	182	38	2	
2000.0	15:47:42	SHOT	183	38	2	
2000.0	15:49:26	SHOT	184	39	2	4004
2000.0	15:50:02	SHOT	185	39	2	
2000.0	15:50:37	SHOT	186	39	2	
2000.0	15:52:06	SHOT	187	40	2	4005
2000.0	15:52:44	SHOT	188	40	2	
2000.0	15:53:18	SHOT	189	40	2	
2000.0	15:54:51	SHAK	190			
2000.0	15:55:33	BKGD	191			
2000.0	15:56:19	ENLO	192			
2000.0	15:56:58	ENHI	193			
2000.0	15:57:24	ETHD	194			
2000.0	15:57:55	DRNG	195			
2000.0	15:58:26	GA02	196			
2000.0	15:58:42	GA04	197			
2000.0	15:58:59	GA08	198			
2000.0	15:59:15	GA16	199			
2000.0	15:59:31	GA32	200			
2000.0	16:00:03	XTLK	201			
2000.0	16:00:40	XTLK	202			
2000.0	16:01:17	XTLK	203			
2000.0	16:01:52	EIMP	204			

Naylor WVSP Station List

Distance Units: Meters

Coordinate measured by Handheld GPS (no GSP survey done)

Line-B

Station No	Easting	Northing	Elevation	Remarks
3001	659439	5732621	46.4	Measured
3002	659420.7608	5732629.205	46.4	estimate by 20 m interval
3003	659402.5216	5732637.41	46.4	estimate by 20 m interval
3004	659384.2824	5732645.615	46.4	estimate by 20 m interval
3005	659366.0432	5732653.82	46.4	estimate by 20 m interval
3006	659347.8041	5732662.025	46.4	estimate by 20 m interval
3007	659329.5649	5732670.23	46.4	estimate by 20 m interval
3008	659311.3257	5732678.435	46.4	estimate by 20 m interval
3009	659293.0865	5732686.64	46.4	estimate by 20 m interval
3010	659274.8473	5732694.845	46.4	estimate by 20 m interval
3011	659256.6081	5732703.05	46.4	estimate by 20 m interval
3012	659238.3689	5732711.255	46.4	estimate by 20 m interval
3013	659220.1297	5732719.46	46.4	estimate by 20 m interval
3014	659201.8905	5732727.665	46.4	estimate by 20 m interval
3015	659183.6513	5732735.87	46.4	estimate by 20 m interval
3016	659165.4122	5732744.075	46.4	estimate by 20 m interval
3017	659147.173	5732752.28	46.4	estimate by 20 m interval
3018	659128.9338	5732760.485	46.4	estimate by 20 m interval
3019	659110.6946	5732768.69	46.4	estimate by 20 m interval
3020	659092.4554	5732776.895	46.4	estimate by 20 m interval
3022	659055.977	5732793.306	46.4	estimate by 40 m interval
3024	659019.4986	5732809.717	46.4	estimate by 40 m interval
3026	658983.0203	5732826.129	46.4	estimate by 40 m interval
3028	658946.5419	5732842.54	46.4	estimate by 40 m interval
3030	658910.0635	5732858.951	46.4	estimate by 40 m interval
3032	658873.5851	5732875.362	46.4	estimate by 40 m interval
3034	658837.1067	5732891.773	46.4	estimate by 40 m interval
3036	658800.6284	5732908.185	46.4	estimate by 40 m interval
3038	658764.15	5732924.596	46.4	estimate by 40 m interval
3040	658727.6716	5732941.007	46.4	estimate by 40 m interval
3042	658691.1932	5732957.418	46.4	estimate by 40 m interval
3044	658654.7148	5732973.829	46.4	estimate by 40 m interval
3046	658618.2365	5732990.241	46.4	estimate by 40 m interval
3048	658541	5733025	46.4	Measured
4001	658100	5733127	46.4	Measured
4002	657717	5733176	46.4	Measured
4003	657341	5733234	46.4	Measured
4004	656947	5733311	46.4	Measured
4005	656802	5733338	46.4	Measured

VSI Tool Evaluation Test Report WVSP Line-B

VSI Seismic Evaluation Report							
ELECTRICAL NOISE LOW TEST							
2006/05/16 12:56:54							
Shot No: 9				Station Depth: 2000.03 m			
Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
DC Offset	1	X	-25.4222	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	X	0.1310	micro V	-	0.5000	PASS
Noise Peak	1	X	0.4749	micro V	-	2.0000	PASS
DC Offset	1	Y	-25.3603	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Y	0.1331	micro V	-	0.5000	PASS
Noise Peak	1	Y	0.4489	micro V	-	2.0000	PASS
DC Offset	1	Z	-25.3831	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Z	0.1346	micro V	-	0.5000	PASS
Noise Peak	1	Z	0.5508	micro V	-	2.0000	PASS
DC Offset	2	X	-25.2277	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	X	0.1315	micro V	-	0.5000	PASS
Noise Peak	2	X	0.4709	micro V	-	2.0000	PASS
DC Offset	2	Y	-25.0906	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Y	0.1342	micro V	-	0.5000	PASS
Noise Peak	2	Y	0.6411	micro V	-	2.0000	PASS
DC Offset	2	Z	-25.3824	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Z	0.1352	micro V	-	0.5000	PASS
Noise Peak	2	Z	0.5154	micro V	-	2.0000	PASS
DC Offset	3	X	-25.3896	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	X	0.1355	micro V	-	0.5000	PASS
Noise Peak	3	X	0.4568	micro V	-	2.0000	PASS
DC Offset	3	Y	-25.2952	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Y	0.1400	micro V	-	0.5000	PASS
Noise Peak	3	Y	0.5468	micro V	-	2.0000	PASS
DC Offset	3	Z	-25.3690	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Z	0.1395	micro V	-	0.5000	PASS
Noise Peak	3	Z	0.5546	micro V	-	2.0000	PASS
DC Offset	4	X	-25.2974	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	X	0.1375	micro V	-	0.5000	PASS
Noise Peak	4	X	0.5455	micro V	-	2.0000	PASS
DC Offset	4	Y	-25.3388	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Y	0.1355	micro V	-	0.5000	PASS
Noise Peak	4	Y	0.4620	micro V	-	2.0000	PASS
DC Offset	4	Z	-25.2971	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Z	0.1371	micro V	-	0.5000	PASS
Noise Peak	4	Z	0.5379	micro V	-	2.0000	PASS
DC Offset	5	X	-25.2657	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	X	0.1352	micro V	-	0.5000	PASS
Noise Peak	5	X	0.4925	micro V	-	2.0000	PASS
DC Offset	5	Y	-25.3469	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Y	0.1347	micro V	-	0.5000	PASS
Noise Peak	5	Y	0.5288	micro V	-	2.0000	PASS
DC Offset	5	Z	-25.3262	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Z	0.1323	micro V	-	0.5000	PASS
Noise Peak	5	Z	0.4786	micro V	-	2.0000	PASS
DC Offset	6	X	-25.4086	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	X	0.1365	micro V	-	0.5000	PASS
Noise Peak	6	X	0.6469	micro V	-	2.0000	PASS
DC Offset	6	Y	-25.3331	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Y	0.1359	micro V	-	0.5000	PASS
Noise Peak	6	Y	0.4920	micro V	-	2.0000	PASS
DC Offset	6	Z	-25.3440	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Z	0.1313	micro V	-	0.5000	PASS
Noise Peak	6	Z	0.4690	micro V	-	2.0000	PASS
DC Offset	7	X	-25.3189	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	X	0.1409	micro V	-	0.5000	PASS
Noise Peak	7	X	0.4856	micro V	-	2.0000	PASS
DC Offset	7	Y	-25.2827	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Y	0.1361	micro V	-	0.5000	PASS
Noise Peak	7	Y	0.5515	micro V	-	2.0000	PASS
DC Offset	7	Z	-25.3308	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Z	0.1409	micro V	-	0.5000	PASS

Noise Peak	7	Z	0.5184	micro V	-	2.0000	PASS
DC Offset	8	X	-25.4163	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	X	0.1339	micro V	-	0.5000	PASS
Noise Peak	8	X	0.5472	micro V	-	2.0000	PASS
DC Offset	8	Y	-25.2794	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Y	0.1386	micro V	-	0.5000	PASS
Noise Peak	8	Y	0.5535	micro V	-	2.0000	PASS
DC Offset	8	Z	-25.4430	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Z	0.1374	micro V	-	0.5000	PASS
Noise Peak	8	Z	0.4708	micro V	-	2.0000	PASS

ELECTRICAL NOISE HIGH TEST

2006/05/16 12:57:34

Shot No: 10

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
DC Offset	1	X	-25.2674	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	X	0.1306	micro V	-	0.5000	PASS
Noise Peak	1	X	0.4437	micro V	-	2.0000	PASS
DC Offset	1	Y	-25.3972	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Y	0.1368	micro V	-	0.5000	PASS
Noise Peak	1	Y	0.5281	micro V	-	2.0000	PASS
DC Offset	1	Z	-25.2296	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Z	0.1335	micro V	-	0.5000	PASS
Noise Peak	1	Z	0.5189	micro V	-	2.0000	PASS
DC Offset	2	X	-24.9878	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	X	0.1345	micro V	-	0.5000	PASS
Noise Peak	2	X	0.4684	micro V	-	2.0000	PASS
DC Offset	2	Y	-24.8075	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Y	0.1318	micro V	-	0.5000	PASS
Noise Peak	2	Y	0.4652	micro V	-	2.0000	PASS
DC Offset	2	Z	-25.2360	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Z	0.1346	micro V	-	0.5000	PASS
Noise Peak	2	Z	0.4690	micro V	-	2.0000	PASS
DC Offset	3	X	-25.1478	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	X	0.1371	micro V	-	0.5000	PASS
Noise Peak	3	X	0.4494	micro V	-	2.0000	PASS
DC Offset	3	Y	-25.4559	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Y	0.1411	micro V	-	0.5000	PASS
Noise Peak	3	Y	0.5491	micro V	-	2.0000	PASS
DC Offset	3	Z	-25.2901	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Z	0.1348	micro V	-	0.5000	PASS
Noise Peak	3	Z	0.5361	micro V	-	2.0000	PASS
DC Offset	4	X	-25.2299	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	X	0.1359	micro V	-	0.5000	PASS
Noise Peak	4	X	0.5085	micro V	-	2.0000	PASS
DC Offset	4	Y	-25.1232	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Y	0.1358	micro V	-	0.5000	PASS
Noise Peak	4	Y	0.4640	micro V	-	2.0000	PASS
DC Offset	4	Z	-25.2451	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Z	0.1350	micro V	-	0.5000	PASS
Noise Peak	4	Z	0.5372	micro V	-	2.0000	PASS
DC Offset	5	X	-25.0153	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	X	0.1341	micro V	-	0.5000	PASS
Noise Peak	5	X	0.4738	micro V	-	2.0000	PASS
DC Offset	5	Y	-25.3439	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Y	0.1340	micro V	-	0.5000	PASS
Noise Peak	5	Y	0.5279	micro V	-	2.0000	PASS
DC Offset	5	Z	-25.2948	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Z	0.1368	micro V	-	0.5000	PASS
Noise Peak	5	Z	0.4236	micro V	-	2.0000	PASS
DC Offset	6	X	-25.3585	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	X	0.1324	micro V	-	0.5000	PASS
Noise Peak	6	X	0.5536	micro V	-	2.0000	PASS
DC Offset	6	Y	-25.0116	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Y	0.1308	micro V	-	0.5000	PASS
Noise Peak	6	Y	0.5484	micro V	-	2.0000	PASS
DC Offset	6	Z	-24.9108	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Z	0.1332	micro V	-	0.5000	PASS

Noise Peak	6	Z	0.4430	micro V	-	2.0000	PASS
DC Offset	7	X	-25.1659	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	X	0.1377	micro V	-	0.5000	PASS
Noise Peak	7	X	0.4917	micro V	-	2.0000	PASS
DC Offset	7	Y	-24.9885	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Y	0.1375	micro V	-	0.5000	PASS
Noise Peak	7	Y	0.4699	micro V	-	2.0000	PASS
DC Offset	7	Z	-25.1214	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Z	0.1360	micro V	-	0.5000	PASS
Noise Peak	7	Z	0.4616	micro V	-	2.0000	PASS
DC Offset	8	X	-25.1887	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	X	0.1343	micro V	-	0.5000	PASS
Noise Peak	8	X	0.5249	micro V	-	2.0000	PASS
DC Offset	8	Y	-24.9894	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Y	0.1378	micro V	-	0.5000	PASS
Noise Peak	8	Y	0.4829	micro V	-	2.0000	PASS
DC Offset	8	Z	-25.1076	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Z	0.1362	micro V	-	0.5000	PASS
Noise Peak	8	Z	0.4849	micro V	-	2.0000	PASS

ELECTRICAL DISTORTION TEST

2006/05/16 12:58:00

Shot No: 11

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Total Harmonic Distortion	1	X	-96.7766	dB	-	-90.0000	PASS
Total Harmonic Distortion	1	Y	-97.3510	dB	-	-90.0000	PASS
Total Harmonic Distortion	1	Z	-96.9368	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	X	-93.5376	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	Y	-94.4035	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	Z	-96.9175	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	X	-99.0766	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	Y	-98.6617	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	Z	-99.9222	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	X	-98.5975	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	Y	-99.3139	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	Z	-97.3648	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	X	-94.5823	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	Y	-95.6031	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	Z	-95.0411	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	X	-97.0305	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	Y	-100.2777	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	Z	-96.8336	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	X	-98.1372	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	Y	-97.8081	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	Z	-96.6744	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	X	-97.7379	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	Y	-96.4893	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	Z	-97.8792	dB	-	-90.0000	PASS

SYSTEM DYNAMIC RANGE TEST

2006/05/16 12:58:31

Shot No: 12

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
System Dynamic Range	1	X	108.0749	dB	103.0000	-	PASS
System Dynamic Range	1	Y	107.9869	dB	103.0000	-	PASS
System Dynamic Range	1	Z	107.9976	dB	103.0000	-	PASS
System Dynamic Range	2	X	106.8723	dB	103.0000	-	PASS
System Dynamic Range	2	Y	106.5853	dB	103.0000	-	PASS
System Dynamic Range	2	Z	107.1177	dB	103.0000	-	PASS
System Dynamic Range	3	X	106.3525	dB	103.0000	-	PASS
System Dynamic Range	3	Y	106.0305	dB	103.0000	-	PASS
System Dynamic Range	3	Z	106.3273	dB	103.0000	-	PASS
System Dynamic Range	4	X	107.1278	dB	103.0000	-	PASS
System Dynamic Range	4	Y	107.2064	dB	103.0000	-	PASS
System Dynamic Range	4	Z	107.6932	dB	103.0000	-	PASS
System Dynamic Range	5	X	107.0534	dB	103.0000	-	PASS
System Dynamic Range	5	Y	106.6172	dB	103.0000	-	PASS
System Dynamic Range	5	Z	106.6645	dB	103.0000	-	PASS

System Dynamic Range	6	X	107.3845	dB	103.0000	-	PASS
System Dynamic Range	6	Y	107.6272	dB	103.0000	-	PASS
System Dynamic Range	6	Z	107.0125	dB	103.0000	-	PASS
System Dynamic Range	7	X	107.2186	dB	103.0000	-	PASS
System Dynamic Range	7	Y	107.5219	dB	103.0000	-	PASS
System Dynamic Range	7	Z	107.1177	dB	103.0000	-	PASS
System Dynamic Range	8	X	107.8420	dB	103.0000	-	PASS
System Dynamic Range	8	Y	107.3279	dB	103.0000	-	PASS
System Dynamic Range	8	Z	107.6977	dB	103.0000	-	PASS

AMPLIFIER GAIN 2 TEST**2006/05/16 12:59:03****Shot No: 13****Station Depth: 2000.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1164	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1291	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.1135	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1204	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1163	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1426	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1196	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1303	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1286	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1299	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1194	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1286	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1141	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1194	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1185	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1081	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1028	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1094	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1022	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1132	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1215	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1060	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1143	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1046	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0000	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 4 TEST**2006/05/16 12:59:19****Shot No: 14****Station Depth: 2000.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1042	dB	-0.5000	0.5000	PASS

Gain Step Accuracy	1	X	0.0121	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1250	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0042	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0979	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0157	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1188	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0017	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1123	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0040	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1412	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1186	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0011	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1293	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0010	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1328	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0042	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1293	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0006	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1162	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0032	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1257	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1121	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0020	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1200	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0006	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1138	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0047	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1054	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0027	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1015	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1081	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.0996	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1111	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0021	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1202	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1045	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0015	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1142	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0002	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1006	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0040	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 8 TEST

2006/05/16 12:59:36

Shot No: 15

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1007	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0157	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1241	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0050	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0942	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0193	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1203	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0002	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1124	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0040	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1413	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1187	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0009	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1315	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	-0.0012	dB	-0.5000	0.5000	PASS

Gain Accuracy	3	Z	0.1367	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0082	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1318	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	-0.0019	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1186	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0008	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1262	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0024	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1126	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0015	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1207	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1152	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0033	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1054	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0027	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1037	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	-0.0009	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1063	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.0991	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1106	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1214	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0001	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1048	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0011	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1129	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0014	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1036	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0011	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 16 TEST

2006/05/16 12:59:52

Shot No: 16

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.0935	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0228	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1186	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0106	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0919	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0216	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1151	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0053	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1081	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0082	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1376	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0049	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1153	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0043	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1284	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0019	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1368	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0083	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1279	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0020	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1162	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1222	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0064	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1072	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0070	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1177	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	0.0017	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1113	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0072	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.0984	dB	-0.5000	0.5000	PASS

Gain Step Accuracy	6	X	0.0098	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.0991	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0037	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1025	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0069	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.0945	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0076	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1076	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0056	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1171	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0044	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1016	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0044	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1093	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0050	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1014	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0032	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 32 TEST

2006/05/16 13:00:08

Shot No: 17

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.0932	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0232	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1229	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0062	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0946	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0189	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1164	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0040	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1107	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0056	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1393	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0033	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1196	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	-0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1331	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	-0.0028	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1386	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0101	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1292	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0007	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1164	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1252	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0034	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1083	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0058	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1224	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1143	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0042	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1031	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0050	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.0989	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0039	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1068	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.0964	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0057	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1107	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0025	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1187	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0028	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1094	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	-0.0034	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1122	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0022	dB	-0.5000	0.5000	PASS

Gain Accuracy	8	Z	0.0937	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0109	dB	-0.5000	0.5000	PASS
CROSS TALK X TEST							
2006/05/16 13:00:40							
Shot No: 18				Station Depth: 2000.03 m			
Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk X-Y	1	-	-99.3609	dB	-	-90.0000	PASS
Cross Talk X-Z	1	-	-97.7478	dB	-	-90.0000	PASS
Cross Talk X-Y	2	-	-99.6298	dB	-	-90.0000	PASS
Cross Talk X-Z	2	-	-98.1192	dB	-	-90.0000	PASS
Cross Talk X-Y	3	-	-99.1281	dB	-	-90.0000	PASS
Cross Talk X-Z	3	-	-97.8942	dB	-	-90.0000	PASS
Cross Talk X-Y	4	-	-99.4762	dB	-	-90.0000	PASS
Cross Talk X-Z	4	-	-97.4360	dB	-	-90.0000	PASS
Cross Talk X-Y	5	-	-99.4042	dB	-	-90.0000	PASS
Cross Talk X-Z	5	-	-98.1605	dB	-	-90.0000	PASS
Cross Talk X-Y	6	-	-99.3296	dB	-	-90.0000	PASS
Cross Talk X-Z	6	-	-98.1515	dB	-	-90.0000	PASS
Cross Talk X-Y	7	-	-99.4470	dB	-	-90.0000	PASS
Cross Talk X-Z	7	-	-98.1118	dB	-	-90.0000	PASS
Cross Talk X-Y	8	-	-99.5667	dB	-	-90.0000	PASS
Cross Talk X-Z	8	-	-98.1598	dB	-	-90.0000	PASS
CROSS TALK Y TEST							
2006/05/16 13:01:16							
Shot No: 19				Station Depth: 2000.03 m			
Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk Y-Z	1	-	-97.2371	dB	-	-90.0000	PASS
Cross Talk Y-X	1	-	-99.0311	dB	-	-90.0000	PASS
Cross Talk Y-Z	2	-	-97.8347	dB	-	-90.0000	PASS
Cross Talk Y-X	2	-	-99.0459	dB	-	-90.0000	PASS
Cross Talk Y-Z	3	-	-97.1631	dB	-	-90.0000	PASS
Cross Talk Y-X	3	-	-99.1011	dB	-	-90.0000	PASS
Cross Talk Y-Z	4	-	-96.9235	dB	-	-90.0000	PASS
Cross Talk Y-X	4	-	-98.6802	dB	-	-90.0000	PASS
Cross Talk Y-Z	5	-	-97.7881	dB	-	-90.0000	PASS
Cross Talk Y-X	5	-	-99.1401	dB	-	-90.0000	PASS
Cross Talk Y-Z	6	-	-97.9590	dB	-	-90.0000	PASS
Cross Talk Y-X	6	-	-99.0603	dB	-	-90.0000	PASS
Cross Talk Y-Z	7	-	-98.0644	dB	-	-90.0000	PASS
Cross Talk Y-X	7	-	-98.6248	dB	-	-90.0000	PASS
Cross Talk Y-Z	8	-	-97.7871	dB	-	-90.0000	PASS
Cross Talk Y-X	8	-	-98.9425	dB	-	-90.0000	PASS
CROSS TALK Z TEST							
2006/05/16 13:01:53							
Shot No: 20				Station Depth: 2000.03 m			
Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk Z-X	1	-	-96.3344	dB	-	-90.0000	PASS
Cross Talk Z-Y	1	-	-95.8543	dB	-	-90.0000	PASS
Cross Talk Z-X	2	-	-96.8978	dB	-	-90.0000	PASS
Cross Talk Z-Y	2	-	-96.6884	dB	-	-90.0000	PASS
Cross Talk Z-X	3	-	-96.4898	dB	-	-90.0000	PASS
Cross Talk Z-Y	3	-	-95.8742	dB	-	-90.0000	PASS
Cross Talk Z-X	4	-	-96.0587	dB	-	-90.0000	PASS
Cross Talk Z-Y	4	-	-95.5307	dB	-	-90.0000	PASS
Cross Talk Z-X	5	-	-97.2601	dB	-	-90.0000	PASS
Cross Talk Z-Y	5	-	-96.8466	dB	-	-90.0000	PASS
Cross Talk Z-X	6	-	-96.0328	dB	-	-90.0000	PASS
Cross Talk Z-Y	6	-	-96.0395	dB	-	-90.0000	PASS
Cross Talk Z-X	7	-	-96.3028	dB	-	-90.0000	PASS
Cross Talk Z-Y	7	-	-96.4345	dB	-	-90.0000	PASS
Cross Talk Z-X	8	-	-97.1588	dB	-	-90.0000	PASS
Cross Talk Z-Y	8	-	-97.0760	dB	-	-90.0000	PASS
IMPULSE RESPONSE TEST							
2006/05/16 13:02:28							
Shot No: 21				Station Depth: 2000.03 m			

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Amplitude (0.3Hz)	1	X	-1.5217	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	X	-3.5757	dB	-5.0000	-	PASS
Impulse Amplitude	1	X	571.5427	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	X	0.0000	degree	-	-	-
Amplitude (0.3Hz)	1	Y	-1.4369	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	Y	-3.5756	dB	-5.0000	-	PASS
Impulse Amplitude	1	Y	572.4051	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	Y	-0.8144	degree	-	-	-
Amplitude (0.3Hz)	1	Z	-1.4753	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	Z	-3.5739	dB	-5.0000	-	PASS
Impulse Amplitude	1	Z	571.3607	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	Z	-0.5166	degree	-	-	-
Amplitude (0.3Hz)	2	X	-1.4545	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	X	-3.5765	dB	-5.0000	-	PASS
Impulse Amplitude	2	X	571.2957	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	X	0.0639	degree	-	-	-
Amplitude (0.3Hz)	2	Y	-1.5778	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	Y	-3.5735	dB	-5.0000	-	PASS
Impulse Amplitude	2	Y	571.1116	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	Y	1.2783	degree	-	-	-
Amplitude (0.3Hz)	2	Z	-1.6061	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	Z	-3.5773	dB	-5.0000	-	PASS
Impulse Amplitude	2	Z	572.6409	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	Z	1.6032	degree	-	-	-
Amplitude (0.3Hz)	3	X	-1.4779	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	X	-3.5764	dB	-5.0000	-	PASS
Impulse Amplitude	3	X	571.0580	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	X	0.1618	degree	-	-	-
Amplitude (0.3Hz)	3	Y	-1.4833	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	Y	-3.5780	dB	-5.0000	-	PASS
Impulse Amplitude	3	Y	571.9059	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	Y	-0.0440	degree	-	-	-
Amplitude (0.3Hz)	3	Z	-1.5291	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	Z	-3.5749	dB	-5.0000	-	PASS
Impulse Amplitude	3	Z	571.9480	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	Z	0.6285	degree	-	-	-
Amplitude (0.3Hz)	4	X	-1.6626	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	X	-3.5745	dB	-5.0000	-	PASS
Impulse Amplitude	4	X	571.8752	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	X	1.8926	degree	-	-	-
Amplitude (0.3Hz)	4	Y	-1.5535	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	Y	-3.5747	dB	-5.0000	-	PASS
Impulse Amplitude	4	Y	570.8373	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	Y	0.7463	degree	-	-	-
Amplitude (0.3Hz)	4	Z	-1.5371	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	Z	-3.5754	dB	-5.0000	-	PASS
Impulse Amplitude	4	Z	571.7827	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	Z	0.4786	degree	-	-	-
Amplitude (0.3Hz)	5	X	-1.5711	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	X	-3.5729	dB	-5.0000	-	PASS
Impulse Amplitude	5	X	571.3846	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	X	0.9836	degree	-	-	-
Amplitude (0.3Hz)	5	Y	-1.4887	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	Y	-3.5738	dB	-5.0000	-	PASS
Impulse Amplitude	5	Y	571.8126	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	Y	0.1470	degree	-	-	-
Amplitude (0.3Hz)	5	Z	-1.6475	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	Z	-3.5712	dB	-5.0000	-	PASS
Impulse Amplitude	5	Z	571.8206	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	Z	1.7602	degree	-	-	-
Amplitude (0.3Hz)	6	X	-1.6445	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	X	-3.5806	dB	-5.0000	-	PASS
Impulse Amplitude	6	X	569.9359	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	X	1.3348	degree	-	-	-
Amplitude (0.3Hz)	6	Y	-1.5384	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	Y	-3.5770	dB	-5.0000	-	PASS

Impulse Amplitude	6	Y	570.0229	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	Y	0.1777	degree	-	-	-
Amplitude (0.3Hz)	6	Z	-1.6126	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	Z	-3.5794	dB	-5.0000	-	PASS
Impulse Amplitude	6	Z	570.5450	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	Z	0.8377	degree	-	-	-
Amplitude (0.3Hz)	7	X	-1.5954	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	X	-3.5802	dB	-5.0000	-	PASS
Impulse Amplitude	7	X	570.3657	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	X	1.5044	degree	-	-	-
Amplitude (0.3Hz)	7	Y	-1.5889	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	Y	-3.5793	dB	-5.0000	-	PASS
Impulse Amplitude	7	Y	571.4360	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	Y	1.3840	degree	-	-	-
Amplitude (0.3Hz)	7	Z	-1.5276	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	Z	-3.5822	dB	-5.0000	-	PASS
Impulse Amplitude	7	Z	571.9664	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	Z	0.7131	degree	-	-	-
Amplitude (0.3Hz)	8	X	-1.5975	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	X	-3.5764	dB	-5.0000	-	PASS
Impulse Amplitude	8	X	569.7648	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	X	1.4857	degree	-	-	-
Amplitude (0.3Hz)	8	Y	-1.6367	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	Y	-3.5717	dB	-5.0000	-	PASS
Impulse Amplitude	8	Y	570.9343	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	Y	1.4160	degree	-	-	-
Amplitude (0.3Hz)	8	Z	-1.6994	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	Z	-3.5748	dB	-5.0000	-	PASS
Impulse Amplitude	8	Z	569.9424	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	Z	2.1986	degree	-	-	-

ELECTRICAL NOISE LOW TEST

2006/05/16 17:26:19

Shot No: 192

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
DC Offset	1	X	-25.4203	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	X	0.1324	micro V	-	0.5000	PASS
Noise Peak	1	X	0.5793	micro V	-	2.0000	PASS
DC Offset	1	Y	-25.3603	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Y	0.1355	micro V	-	0.5000	PASS
Noise Peak	1	Y	0.5058	micro V	-	2.0000	PASS
DC Offset	1	Z	-25.3829	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Z	0.1326	micro V	-	0.5000	PASS
Noise Peak	1	Z	0.4570	micro V	-	2.0000	PASS
DC Offset	2	X	-25.2279	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	X	0.1336	micro V	-	0.5000	PASS
Noise Peak	2	X	0.5052	micro V	-	2.0000	PASS
DC Offset	2	Y	-25.0904	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Y	0.1340	micro V	-	0.5000	PASS
Noise Peak	2	Y	0.5565	micro V	-	2.0000	PASS
DC Offset	2	Z	-25.3821	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Z	0.1298	micro V	-	0.5000	PASS
Noise Peak	2	Z	0.4267	micro V	-	2.0000	PASS
DC Offset	3	X	-25.3901	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	X	0.1345	micro V	-	0.5000	PASS
Noise Peak	3	X	0.5738	micro V	-	2.0000	PASS
DC Offset	3	Y	-25.2951	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Y	0.1415	micro V	-	0.5000	PASS
Noise Peak	3	Y	0.4701	micro V	-	2.0000	PASS
DC Offset	3	Z	-25.3688	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Z	0.1348	micro V	-	0.5000	PASS
Noise Peak	3	Z	0.4409	micro V	-	2.0000	PASS
DC Offset	4	X	-25.2975	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	X	0.1366	micro V	-	0.5000	PASS
Noise Peak	4	X	0.5474	micro V	-	2.0000	PASS
DC Offset	4	Y	-25.3388	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Y	0.1386	micro V	-	0.5000	PASS
Noise Peak	4	Y	0.4768	micro V	-	2.0000	PASS

DC Offset	4	Z	-25.2978	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Z	0.1357	micro V	-	0.5000	PASS
Noise Peak	4	Z	0.4477	micro V	-	2.0000	PASS
DC Offset	5	X	-25.2653	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	X	0.1373	micro V	-	0.5000	PASS
Noise Peak	5	X	0.5181	micro V	-	2.0000	PASS
DC Offset	5	Y	-25.3470	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Y	0.1336	micro V	-	0.5000	PASS
Noise Peak	5	Y	0.4716	micro V	-	2.0000	PASS
DC Offset	5	Z	-25.3262	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Z	0.1362	micro V	-	0.5000	PASS
Noise Peak	5	Z	0.5794	micro V	-	2.0000	PASS
DC Offset	6	X	-25.4084	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	X	0.1344	micro V	-	0.5000	PASS
Noise Peak	6	X	0.4443	micro V	-	2.0000	PASS
DC Offset	6	Y	-25.3349	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Y	0.1353	micro V	-	0.5000	PASS
Noise Peak	6	Y	0.4945	micro V	-	2.0000	PASS
DC Offset	6	Z	-25.3441	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Z	0.1372	micro V	-	0.5000	PASS
Noise Peak	6	Z	0.5929	micro V	-	2.0000	PASS
DC Offset	7	X	-25.3188	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	X	0.1362	micro V	-	0.5000	PASS
Noise Peak	7	X	0.5033	micro V	-	2.0000	PASS
DC Offset	7	Y	-25.2826	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Y	0.1354	micro V	-	0.5000	PASS
Noise Peak	7	Y	0.5799	micro V	-	2.0000	PASS
DC Offset	7	Z	-25.3305	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Z	0.1371	micro V	-	0.5000	PASS
Noise Peak	7	Z	0.4735	micro V	-	2.0000	PASS
DC Offset	8	X	-25.4161	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	X	0.1334	micro V	-	0.5000	PASS
Noise Peak	8	X	0.4404	micro V	-	2.0000	PASS
DC Offset	8	Y	-25.2793	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Y	0.1362	micro V	-	0.5000	PASS
Noise Peak	8	Y	0.4917	micro V	-	2.0000	PASS
DC Offset	8	Z	-25.4428	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Z	0.1351	micro V	-	0.5000	PASS
Noise Peak	8	Z	0.6037	micro V	-	2.0000	PASS

ELECTRICAL NOISE HIGH TEST

2006/05/16 17:26:58

Shot No: 193

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
DC Offset	1	X	-25.2374	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	X	0.1316	micro V	-	0.5000	PASS
Noise Peak	1	X	0.5004	micro V	-	2.0000	PASS
DC Offset	1	Y	-25.3922	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Y	0.1361	micro V	-	0.5000	PASS
Noise Peak	1	Y	0.4713	micro V	-	2.0000	PASS
DC Offset	1	Z	-25.2312	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Z	0.1302	micro V	-	0.5000	PASS
Noise Peak	1	Z	0.4104	micro V	-	2.0000	PASS
DC Offset	2	X	-24.9849	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	X	0.1340	micro V	-	0.5000	PASS
Noise Peak	2	X	0.4247	micro V	-	2.0000	PASS
DC Offset	2	Y	-24.8016	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Y	0.1310	micro V	-	0.5000	PASS
Noise Peak	2	Y	0.4797	micro V	-	2.0000	PASS
DC Offset	2	Z	-25.2329	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Z	0.1348	micro V	-	0.5000	PASS
Noise Peak	2	Z	0.5269	micro V	-	2.0000	PASS
DC Offset	3	X	-25.1502	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	X	0.1321	micro V	-	0.5000	PASS
Noise Peak	3	X	0.4881	micro V	-	2.0000	PASS
DC Offset	3	Y	-25.4560	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Y	0.1408	micro V	-	0.5000	PASS
Noise Peak	3	Y	0.5202	micro V	-	2.0000	PASS

DC Offset	3	Z	-25.2951	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Z	0.1381	micro V	-	0.5000	PASS
Noise Peak	3	Z	0.5105	micro V	-	2.0000	PASS
DC Offset	4	X	-25.2238	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	X	0.1353	micro V	-	0.5000	PASS
Noise Peak	4	X	0.5333	micro V	-	2.0000	PASS
DC Offset	4	Y	-25.1197	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Y	0.1329	micro V	-	0.5000	PASS
Noise Peak	4	Y	0.4933	micro V	-	2.0000	PASS
DC Offset	4	Z	-25.2566	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Z	0.1340	micro V	-	0.5000	PASS
Noise Peak	4	Z	0.4496	micro V	-	2.0000	PASS
DC Offset	5	X	-25.0122	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	X	0.1337	micro V	-	0.5000	PASS
Noise Peak	5	X	0.5473	micro V	-	2.0000	PASS
DC Offset	5	Y	-25.3448	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Y	0.1328	micro V	-	0.5000	PASS
Noise Peak	5	Y	0.4156	micro V	-	2.0000	PASS
DC Offset	5	Z	-25.2936	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Z	0.1345	micro V	-	0.5000	PASS
Noise Peak	5	Z	0.4640	micro V	-	2.0000	PASS
DC Offset	6	X	-25.3586	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	X	0.1370	micro V	-	0.5000	PASS
Noise Peak	6	X	0.4770	micro V	-	2.0000	PASS
DC Offset	6	Y	-25.0461	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Y	0.1322	micro V	-	0.5000	PASS
Noise Peak	6	Y	0.4486	micro V	-	2.0000	PASS
DC Offset	6	Z	-24.9032	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Z	0.1329	micro V	-	0.5000	PASS
Noise Peak	6	Z	0.4310	micro V	-	2.0000	PASS
DC Offset	7	X	-25.1689	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	X	0.1360	micro V	-	0.5000	PASS
Noise Peak	7	X	0.5514	micro V	-	2.0000	PASS
DC Offset	7	Y	-24.9874	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Y	0.1376	micro V	-	0.5000	PASS
Noise Peak	7	Y	0.4704	micro V	-	2.0000	PASS
DC Offset	7	Z	-25.1237	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Z	0.1333	micro V	-	0.5000	PASS
Noise Peak	7	Z	0.5200	micro V	-	2.0000	PASS
DC Offset	8	X	-25.1903	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	X	0.1330	micro V	-	0.5000	PASS
Noise Peak	8	X	0.4390	micro V	-	2.0000	PASS
DC Offset	8	Y	-24.9863	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Y	0.1348	micro V	-	0.5000	PASS
Noise Peak	8	Y	0.4803	micro V	-	2.0000	PASS
DC Offset	8	Z	-25.1090	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Z	0.1409	micro V	-	0.5000	PASS
Noise Peak	8	Z	0.5564	micro V	-	2.0000	PASS

ELECTRICAL DISTORTION TEST

2006/05/16 17:27:24

Shot No: 194

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Total Harmonic Distortion	1	X	-97.0405	dB	-	-90.0000	PASS
Total Harmonic Distortion	1	Y	-97.5826	dB	-	-90.0000	PASS
Total Harmonic Distortion	1	Z	-97.2315	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	X	-93.5749	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	Y	-94.4818	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	Z	-97.1417	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	X	-99.1826	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	Y	-98.5795	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	Z	-99.8952	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	X	-98.6669	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	Y	-99.3030	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	Z	-97.4491	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	X	-94.9489	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	Y	-95.8712	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	Z	-95.3459	dB	-	-90.0000	PASS

Total Harmonic Distortion	6	X	-96.8602	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	Y	-99.6759	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	Z	-96.6658	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	X	-98.2436	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	Y	-97.6216	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	Z	-96.5865	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	X	-97.7099	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	Y	-96.5525	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	Z	-98.1583	dB	-	-90.0000	PASS

SYSTEM DYNAMIC RANGE TEST

2006/05/16 17:27:55

Shot No: 195

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
System Dynamic Range	1	X	108.1129	dB	103.0000	-	PASS
System Dynamic Range	1	Y	107.5179	dB	103.0000	-	PASS
System Dynamic Range	1	Z	108.1325	dB	103.0000	-	PASS
System Dynamic Range	2	X	107.0700	dB	103.0000	-	PASS
System Dynamic Range	2	Y	107.3631	dB	103.0000	-	PASS
System Dynamic Range	2	Z	107.2221	dB	103.0000	-	PASS
System Dynamic Range	3	X	106.4038	dB	103.0000	-	PASS
System Dynamic Range	3	Y	105.9328	dB	103.0000	-	PASS
System Dynamic Range	3	Z	106.1132	dB	103.0000	-	PASS
System Dynamic Range	4	X	107.3499	dB	103.0000	-	PASS
System Dynamic Range	4	Y	107.3723	dB	103.0000	-	PASS
System Dynamic Range	4	Z	107.3062	dB	103.0000	-	PASS
System Dynamic Range	5	X	107.5226	dB	103.0000	-	PASS
System Dynamic Range	5	Y	107.5330	dB	103.0000	-	PASS
System Dynamic Range	5	Z	107.1953	dB	103.0000	-	PASS
System Dynamic Range	6	X	107.2162	dB	103.0000	-	PASS
System Dynamic Range	6	Y	107.4660	dB	103.0000	-	PASS
System Dynamic Range	6	Z	107.1474	dB	103.0000	-	PASS
System Dynamic Range	7	X	107.1523	dB	103.0000	-	PASS
System Dynamic Range	7	Y	107.4658	dB	103.0000	-	PASS
System Dynamic Range	7	Z	107.0949	dB	103.0000	-	PASS
System Dynamic Range	8	X	107.7476	dB	103.0000	-	PASS
System Dynamic Range	8	Y	107.1292	dB	103.0000	-	PASS
System Dynamic Range	8	Z	107.4960	dB	103.0000	-	PASS

AMPLIFIER GAIN 2 TEST

2006/05/16 17:28:26

Shot No: 196

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1163	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1291	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.1135	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1204	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1162	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1425	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1195	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1302	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1285	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1298	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1193	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1286	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1141	dB	-0.5000	0.5000	PASS

Gain Step Accuracy	5	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1193	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1184	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1081	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1028	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1094	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1021	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1132	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1215	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1059	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1143	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1046	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0000	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 4 TEST

2006/05/16 17:28:42

Shot No: 197

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1042	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0121	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1249	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0042	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0978	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0157	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1187	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0017	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1122	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0040	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1411	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0014	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1185	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0011	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1292	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0010	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1327	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0042	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1292	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0006	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1161	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0032	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1256	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1121	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0020	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1200	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0006	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1138	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0047	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1054	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0027	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1015	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1080	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.0995	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1111	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0021	dB	-0.5000	0.5000	PASS

Gain Accuracy	7	Z	0.1201	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1044	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0015	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1141	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0002	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1006	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0040	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 8 TEST

2006/05/16 17:28:59

Shot No: 198

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1007	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0156	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1241	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0050	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0941	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0193	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1202	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0002	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1123	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0040	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1412	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1186	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0009	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1314	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	-0.0012	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1367	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0082	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1317	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	-0.0019	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1185	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0008	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1261	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0024	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1126	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0015	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1206	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1152	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0032	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1054	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0027	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1037	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	-0.0009	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1062	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.0991	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1106	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1214	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0001	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1048	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0011	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1129	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0014	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1035	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0011	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 16 TEST

2006/05/16 17:29:15

Shot No: 199

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.0935	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0228	dB	-0.5000	0.5000	PASS

Gain Accuracy	1	Y	0.1185	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0106	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0918	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0217	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1150	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0053	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1080	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0082	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1376	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0049	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1152	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0044	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1282	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0020	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1367	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0082	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1278	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0020	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1161	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0032	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1221	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0065	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1071	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0070	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1177	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	0.0017	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1113	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0071	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.0983	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0098	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.0991	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0038	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1025	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0069	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.0945	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0076	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1076	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0056	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1171	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0044	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1015	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0044	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1093	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0050	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1014	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0032	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 32 TEST

2006/05/16 17:29:31

Shot No: 200

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.0931	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0232	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1228	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0063	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0946	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0189	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1164	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0040	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1106	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0057	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1393	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0032	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1196	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	-0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1331	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	-0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1386	dB	-0.5000	0.5000	PASS

Gain Step Accuracy	3	Z	-0.0101	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1291	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0007	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1163	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1252	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0034	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1083	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0058	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1224	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1142	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0042	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1031	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0050	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.0989	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0039	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1068	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.0964	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0057	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1107	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0025	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1187	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0028	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1094	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	-0.0035	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1122	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0021	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.0938	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0109	dB	-0.5000	0.5000	PASS

CROSS TALK X TEST

2006/05/16 17:30:03

Shot No: 201

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk X-Y	1	-	-99.2483	dB	-	-90.0000	PASS
Cross Talk X-Z	1	-	-97.8327	dB	-	-90.0000	PASS
Cross Talk X-Y	2	-	-99.3490	dB	-	-90.0000	PASS
Cross Talk X-Z	2	-	-98.4817	dB	-	-90.0000	PASS
Cross Talk X-Y	3	-	-99.0982	dB	-	-90.0000	PASS
Cross Talk X-Z	3	-	-97.6683	dB	-	-90.0000	PASS
Cross Talk X-Y	4	-	-99.2382	dB	-	-90.0000	PASS
Cross Talk X-Z	4	-	-97.5624	dB	-	-90.0000	PASS
Cross Talk X-Y	5	-	-99.4252	dB	-	-90.0000	PASS
Cross Talk X-Z	5	-	-98.4090	dB	-	-90.0000	PASS
Cross Talk X-Y	6	-	-99.2969	dB	-	-90.0000	PASS
Cross Talk X-Z	6	-	-98.3183	dB	-	-90.0000	PASS
Cross Talk X-Y	7	-	-99.4201	dB	-	-90.0000	PASS
Cross Talk X-Z	7	-	-98.2492	dB	-	-90.0000	PASS
Cross Talk X-Y	8	-	-99.2888	dB	-	-90.0000	PASS
Cross Talk X-Z	8	-	-98.1737	dB	-	-90.0000	PASS

CROSS TALK Y TEST

2006/05/16 17:30:40

Shot No: 202

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk Y-Z	1	-	-97.3950	dB	-	-90.0000	PASS
Cross Talk Y-X	1	-	-99.0030	dB	-	-90.0000	PASS
Cross Talk Y-Z	2	-	-97.9245	dB	-	-90.0000	PASS
Cross Talk Y-X	2	-	-99.1604	dB	-	-90.0000	PASS
Cross Talk Y-Z	3	-	-97.2401	dB	-	-90.0000	PASS
Cross Talk Y-X	3	-	-98.9709	dB	-	-90.0000	PASS
Cross Talk Y-Z	4	-	-96.9847	dB	-	-90.0000	PASS
Cross Talk Y-X	4	-	-98.7273	dB	-	-90.0000	PASS
Cross Talk Y-Z	5	-	-97.8292	dB	-	-90.0000	PASS
Cross Talk Y-X	5	-	-99.2913	dB	-	-90.0000	PASS
Cross Talk Y-Z	6	-	-98.0679	dB	-	-90.0000	PASS

Cross Talk Y-X	6	-	-99.2001	dB	-	-90.0000	PASS
Cross Talk Y-Z	7	-	-97.8788	dB	-	-90.0000	PASS
Cross Talk Y-X	7	-	-98.7430	dB	-	-90.0000	PASS
Cross Talk Y-Z	8	-	-97.5556	dB	-	-90.0000	PASS
Cross Talk Y-X	8	-	-98.9946	dB	-	-90.0000	PASS

CROSS TALK Z TEST

2006/05/16 17:31:17

Shot No: 203

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk Z-X	1	-	-96.3696	dB	-	-90.0000	PASS
Cross Talk Z-Y	1	-	-95.9224	dB	-	-90.0000	PASS
Cross Talk Z-X	2	-	-96.9260	dB	-	-90.0000	PASS
Cross Talk Z-Y	2	-	-96.7635	dB	-	-90.0000	PASS
Cross Talk Z-X	3	-	-96.3985	dB	-	-90.0000	PASS
Cross Talk Z-Y	3	-	-96.0179	dB	-	-90.0000	PASS
Cross Talk Z-X	4	-	-95.9263	dB	-	-90.0000	PASS
Cross Talk Z-Y	4	-	-95.6013	dB	-	-90.0000	PASS
Cross Talk Z-X	5	-	-96.9973	dB	-	-90.0000	PASS
Cross Talk Z-Y	5	-	-96.7177	dB	-	-90.0000	PASS
Cross Talk Z-X	6	-	-96.3305	dB	-	-90.0000	PASS
Cross Talk Z-Y	6	-	-95.8592	dB	-	-90.0000	PASS
Cross Talk Z-X	7	-	-96.5445	dB	-	-90.0000	PASS
Cross Talk Z-Y	7	-	-96.3109	dB	-	-90.0000	PASS
Cross Talk Z-X	8	-	-97.1727	dB	-	-90.0000	PASS
Cross Talk Z-Y	8	-	-96.9778	dB	-	-90.0000	PASS

IMPULSE RESPONSE TEST

2006/05/16 17:31:52

Shot No: 204

Station Depth: 2000.03 m

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Amplitude (0.3Hz)	1	X	-1.4923	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	X	-3.5762	dB	-5.0000	-	PASS
Impulse Amplitude	1	X	571.9659	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	X	0.0000	degree	-	-	-
Amplitude (0.3Hz)	1	Y	-1.4122	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	Y	-3.5743	dB	-5.0000	-	PASS
Impulse Amplitude	1	Y	572.8289	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	Y	-0.8156	degree	-	-	-
Amplitude (0.3Hz)	1	Z	-1.4559	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	Z	-3.5780	dB	-5.0000	-	PASS
Impulse Amplitude	1	Z	571.7870	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	Z	-0.5164	degree	-	-	-
Amplitude (0.3Hz)	2	X	-1.4266	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	X	-3.5746	dB	-5.0000	-	PASS
Impulse Amplitude	2	X	571.7241	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	X	0.0366	degree	-	-	-
Amplitude (0.3Hz)	2	Y	-1.5507	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	Y	-3.5726	dB	-5.0000	-	PASS
Impulse Amplitude	2	Y	571.5349	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	Y	1.2769	degree	-	-	-
Amplitude (0.3Hz)	2	Z	-1.5763	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	Z	-3.5756	dB	-5.0000	-	PASS
Impulse Amplitude	2	Z	573.0668	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	Z	1.6208	degree	-	-	-
Amplitude (0.3Hz)	3	X	-1.4590	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	X	-3.5728	dB	-5.0000	-	PASS
Impulse Amplitude	3	X	571.4756	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	X	-0.2126	degree	-	-	-
Amplitude (0.3Hz)	3	Y	-1.4599	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	Y	-3.5699	dB	-5.0000	-	PASS
Impulse Amplitude	3	Y	572.3255	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	Y	-0.4666	degree	-	-	-
Amplitude (0.3Hz)	3	Z	-1.5115	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	Z	-3.5723	dB	-5.0000	-	PASS
Impulse Amplitude	3	Z	572.3635	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	Z	0.1844	degree	-	-	-
Amplitude (0.3Hz)	4	X	-1.6292	dB	-5.0000	-	PASS

Amplitude (400Hz)	4	X	-3.5779	dB	-5.0000	-	PASS
Impulse Amplitude	4	X	572.2704	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	X	1.7625	degree	-	-	-
Amplitude (0.3Hz)	4	Y	-1.5109	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	Y	-3.5754	dB	-5.0000	-	PASS
Impulse Amplitude	4	Y	571.2351	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	Y	0.5941	degree	-	-	-
Amplitude (0.3Hz)	4	Z	-1.4946	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	Z	-3.5740	dB	-5.0000	-	PASS
Impulse Amplitude	4	Z	572.1779	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	Z	0.3308	degree	-	-	-
Amplitude (0.3Hz)	5	X	-1.5573	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	X	-3.5759	dB	-5.0000	-	PASS
Impulse Amplitude	5	X	571.7592	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	X	0.8177	degree	-	-	-
Amplitude (0.3Hz)	5	Y	-1.4804	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	Y	-3.5790	dB	-5.0000	-	PASS
Impulse Amplitude	5	Y	572.1877	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	Y	-0.1102	degree	-	-	-
Amplitude (0.3Hz)	5	Z	-1.6405	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	Z	-3.5781	dB	-5.0000	-	PASS
Impulse Amplitude	5	Z	572.1955	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	Z	1.4929	degree	-	-	-
Amplitude (0.3Hz)	6	X	-1.5870	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	X	-3.5835	dB	-5.0000	-	PASS
Impulse Amplitude	6	X	570.3773	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	X	1.1559	degree	-	-	-
Amplitude (0.3Hz)	6	Y	-1.4782	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	Y	-3.5812	dB	-5.0000	-	PASS
Impulse Amplitude	6	Y	570.4634	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	Y	0.0100	degree	-	-	-
Amplitude (0.3Hz)	6	Z	-1.5566	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	Z	-3.5813	dB	-5.0000	-	PASS
Impulse Amplitude	6	Z	570.9865	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	Z	0.6419	degree	-	-	-
Amplitude (0.3Hz)	7	X	-1.5678	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	X	-3.5765	dB	-5.0000	-	PASS
Impulse Amplitude	7	X	570.7564	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	X	1.3251	degree	-	-	-
Amplitude (0.3Hz)	7	Y	-1.5563	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	Y	-3.5751	dB	-5.0000	-	PASS
Impulse Amplitude	7	Y	571.8378	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	Y	1.1930	degree	-	-	-
Amplitude (0.3Hz)	7	Z	-1.4900	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	Z	-3.5716	dB	-5.0000	-	PASS
Impulse Amplitude	7	Z	572.3674	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	Z	0.4911	degree	-	-	-
Amplitude (0.3Hz)	8	X	-1.5313	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	X	-3.5770	dB	-5.0000	-	PASS
Impulse Amplitude	8	X	570.1447	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	X	1.1447	degree	-	-	-
Amplitude (0.3Hz)	8	Y	-1.5762	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	Y	-3.5716	dB	-5.0000	-	PASS
Impulse Amplitude	8	Y	571.3229	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	Y	1.1208	degree	-	-	-
Amplitude (0.3Hz)	8	Z	-1.6307	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	Z	-3.5728	dB	-5.0000	-	PASS
Impulse Amplitude	8	Z	570.3217	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	Z	1.9104	degree	-	-	-