Walkaway VSP Line-A Report

General Information

Survey Type	Walkaway VSP
Surface Recording Length	15500.0 ms
Suface Sampling Rate	2.0 ms
Downhole Recording Length	20500.0 ms
Downhole Sampling Rate	2.0 ms
Top of Survey	1680.0 m
Bottom of Survey	1900.0 m
Number of Shots	441
Number of Downhole Traces	3528
Number of Downhole Traces used for Processing	3298

Borehole Seismic Source Information - Source 1

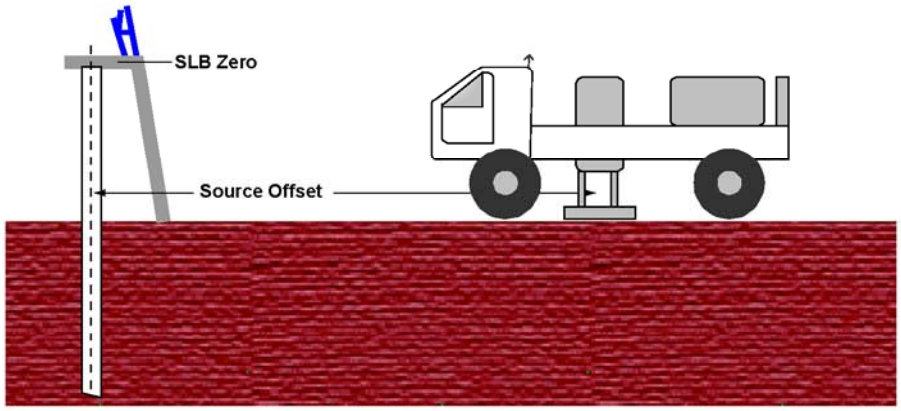
Engineer: S. Nakanishi
Well Name: Naylor-1 **Date:** 15-May-2006
Rig: Rigless/ 15Ton Crane

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

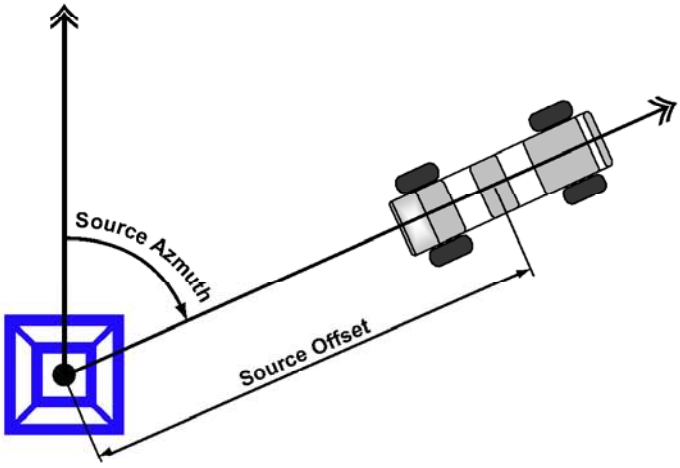
Ground Water Level from GL: 1.0

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 Refrence Delay N/A



Sweep Parameters

Start Frequency	10 Hz
End Frequency	150 Hz
Swwep 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	☐
S2 (WSI-SS3)	Filtered Ground For	☑
S3 (WSI-SS4)	none	☐
S4 (WSI-SS5)		☐
S5 (WSI-SS6)		☐
S6 (WSI-SS7)		☐

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.

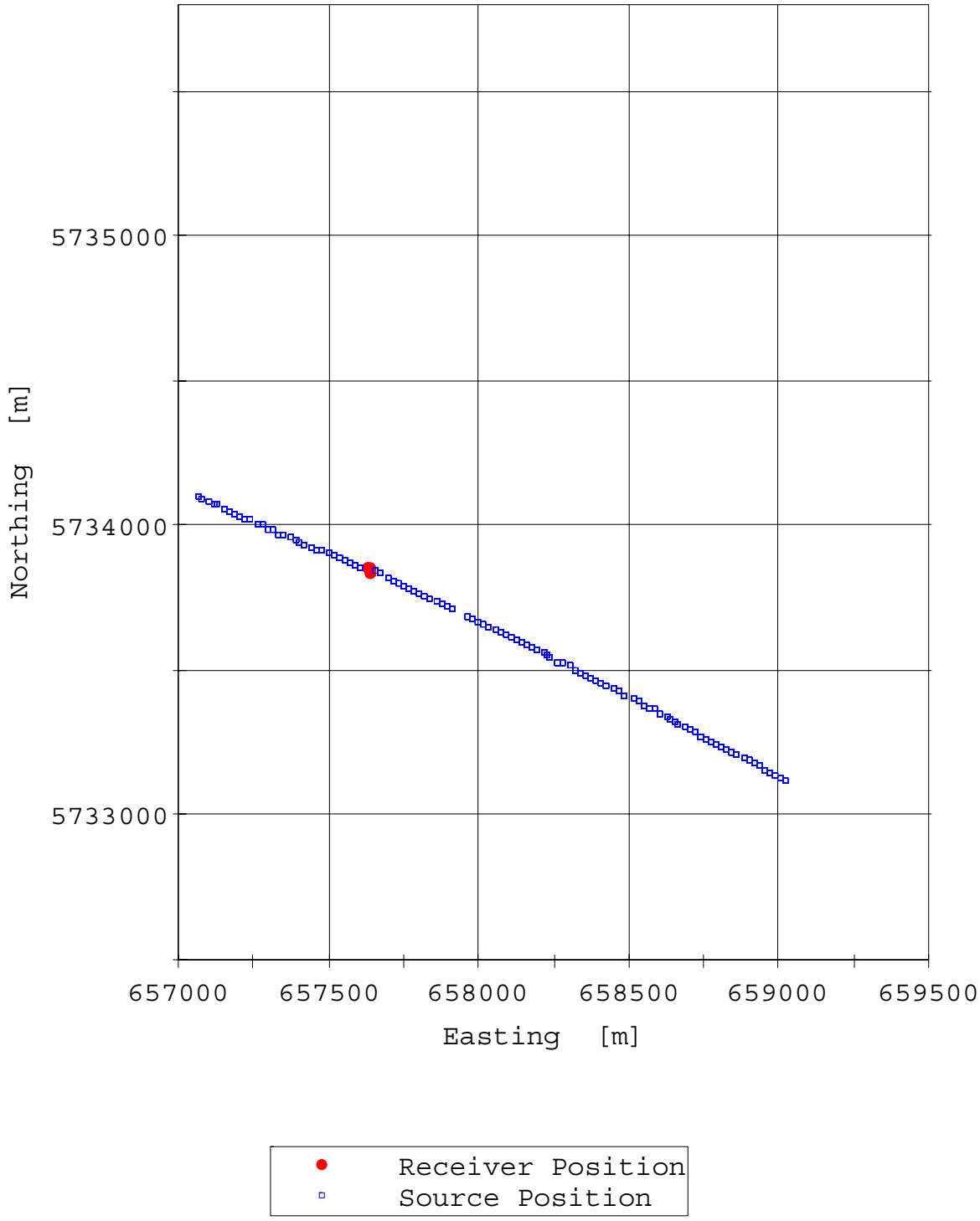
SIB-100 can provide three reference pilot signals (Synthetic, Ground Force and Filtered Ground force). Only one of them can be transmitted through UHF radio. The Filtered Ground Force signal is recommended for correlation by the IVI.
Pilot signal (Filtered Ground Force signal) is recorded for correlation. 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

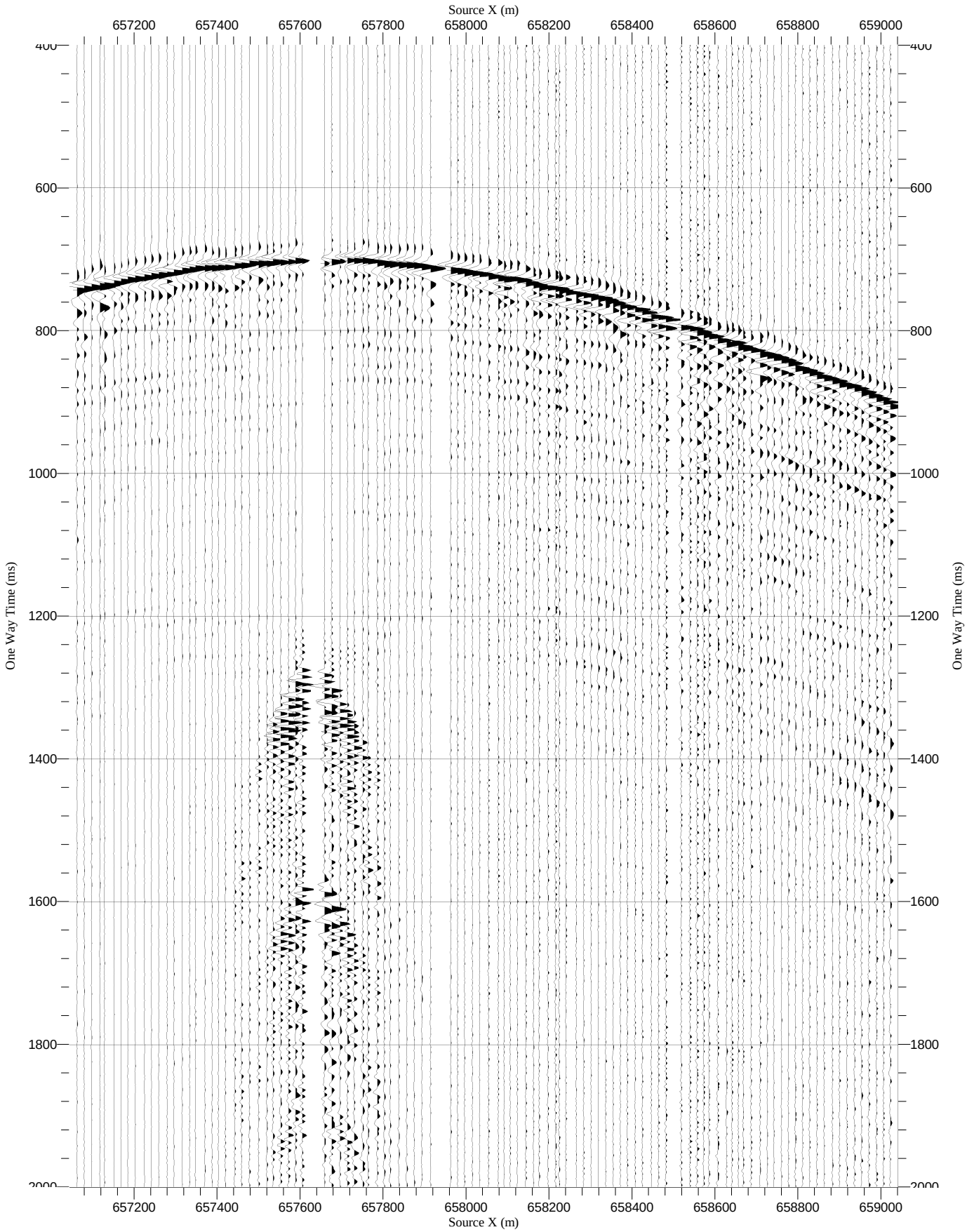
Geometry Infomation Page (X-Y)



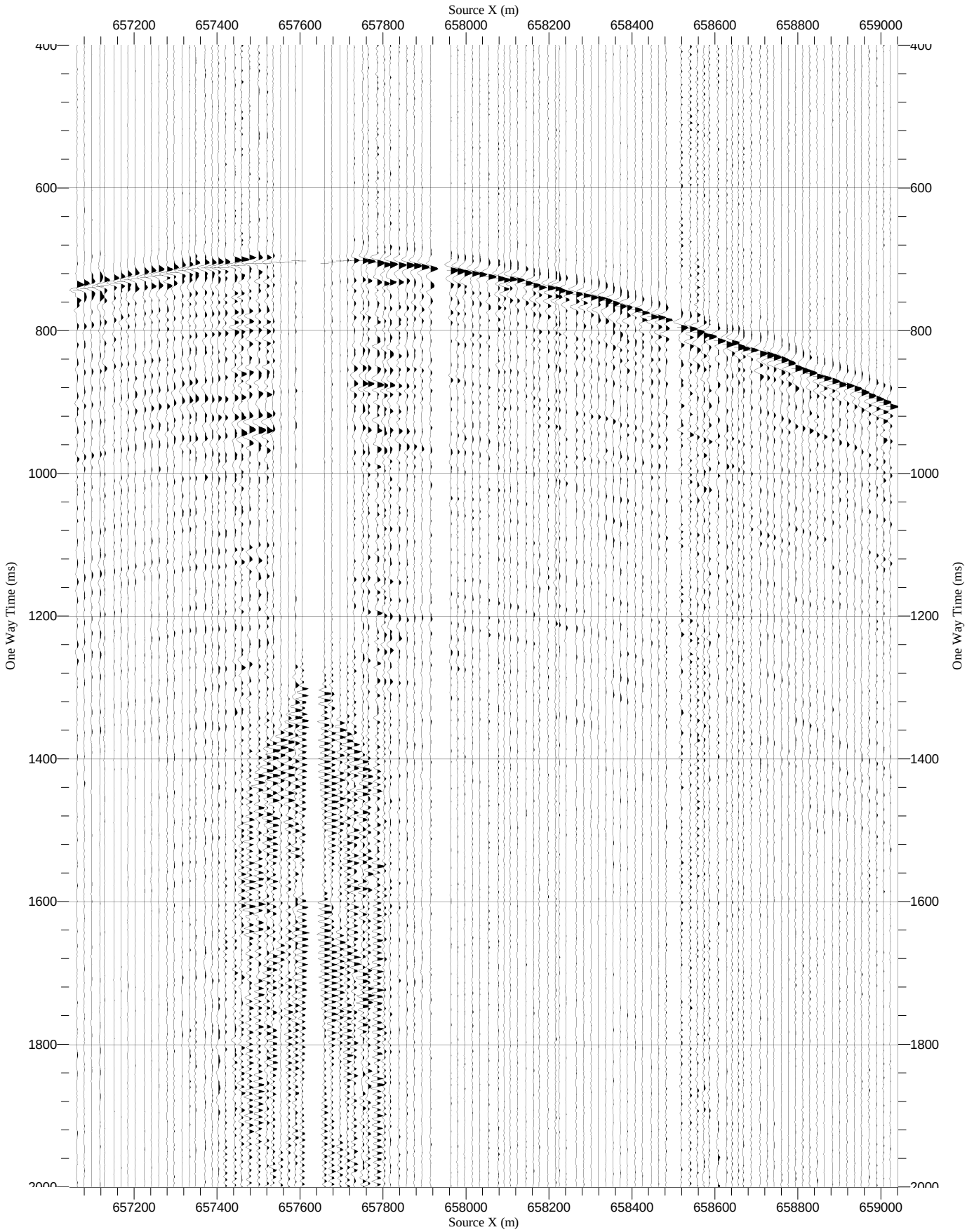
VSI-8

(1800 m receiver gather WVSP Line-A)

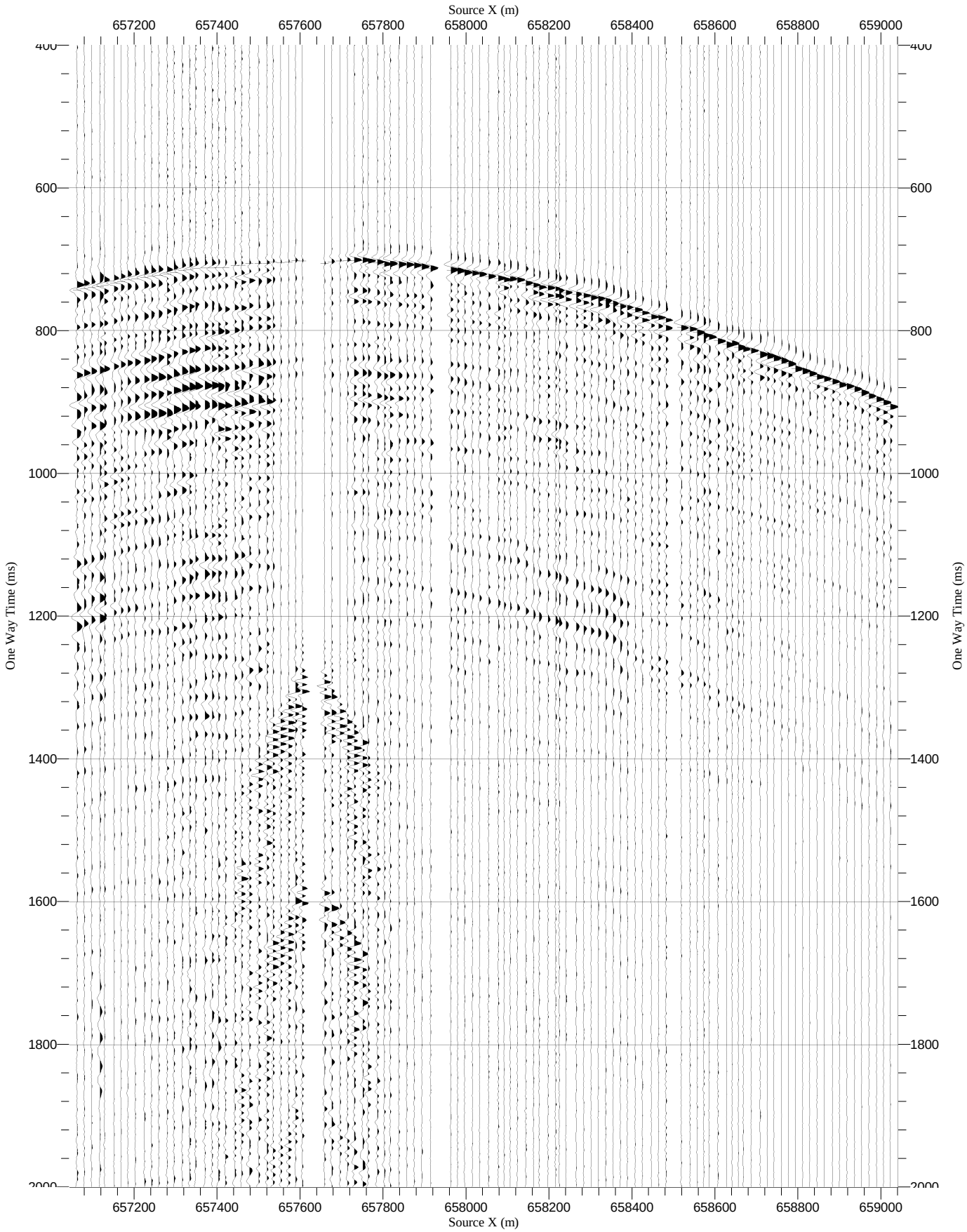
RawStack Z VSI-8	Normalization Trace by Trace (200%) Polarity Normal One Way Time (ms) Scaling 13.5 cm/sec, 1/12790	



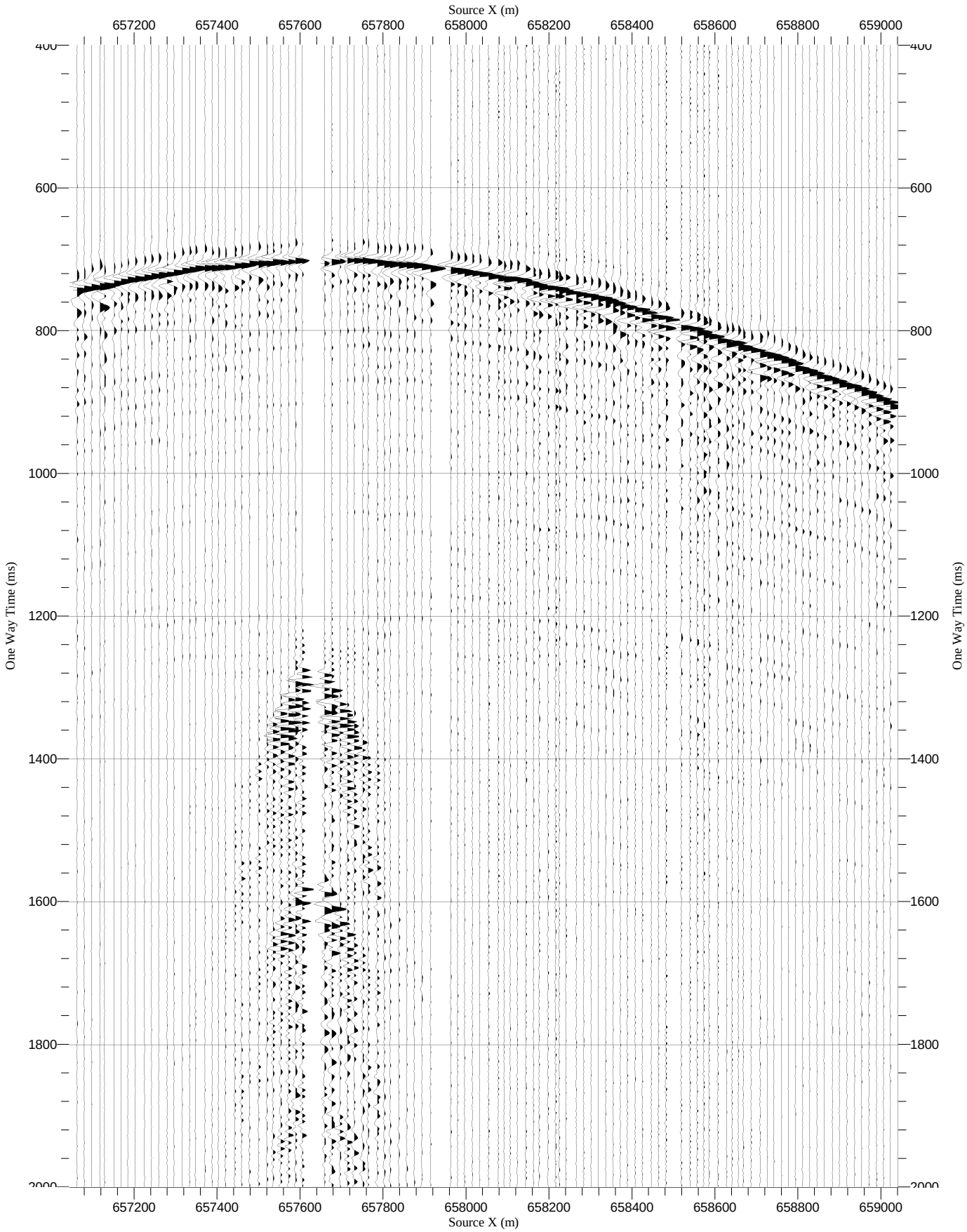
RawStack Y VSI-8	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.5 cm/sec, 1/12790	



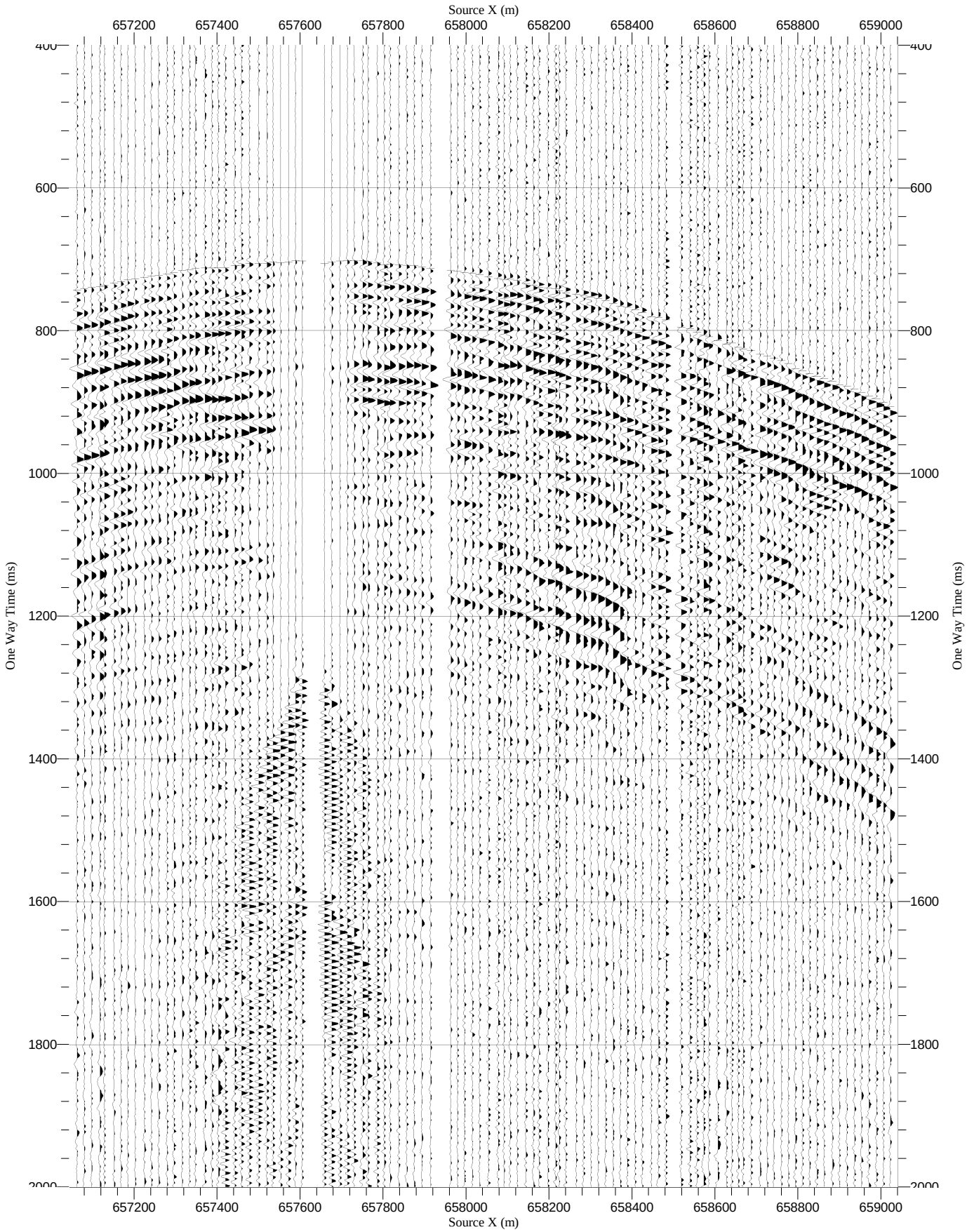
RawStack X VSI-8	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.5 cm/sec, 1/12790	



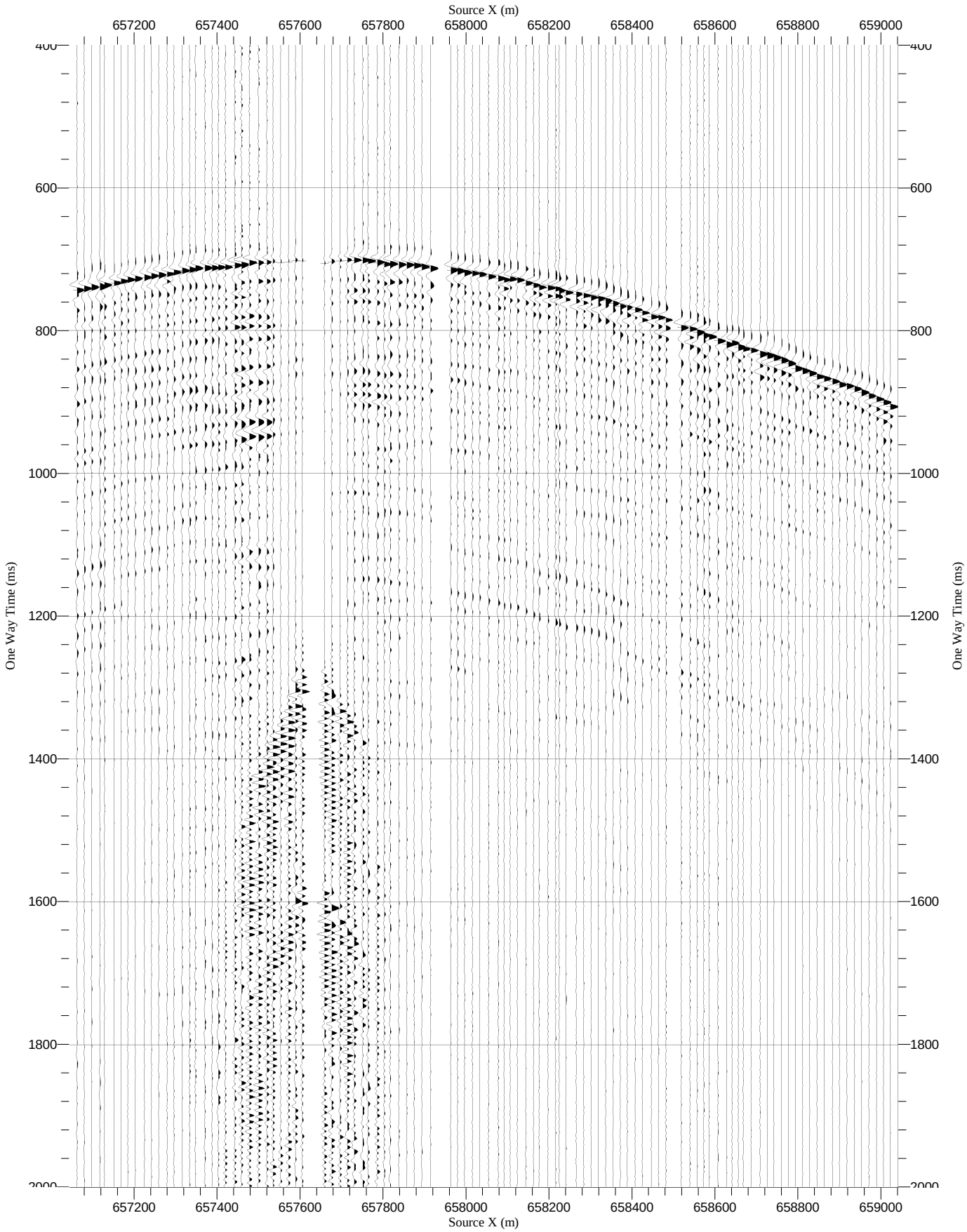
RawStack TRY VSI-8	Normalization Trace by Trace (200%) Polarity Normal One Way Time (ms) Scaling 13.5 cm/sec, 1/12790



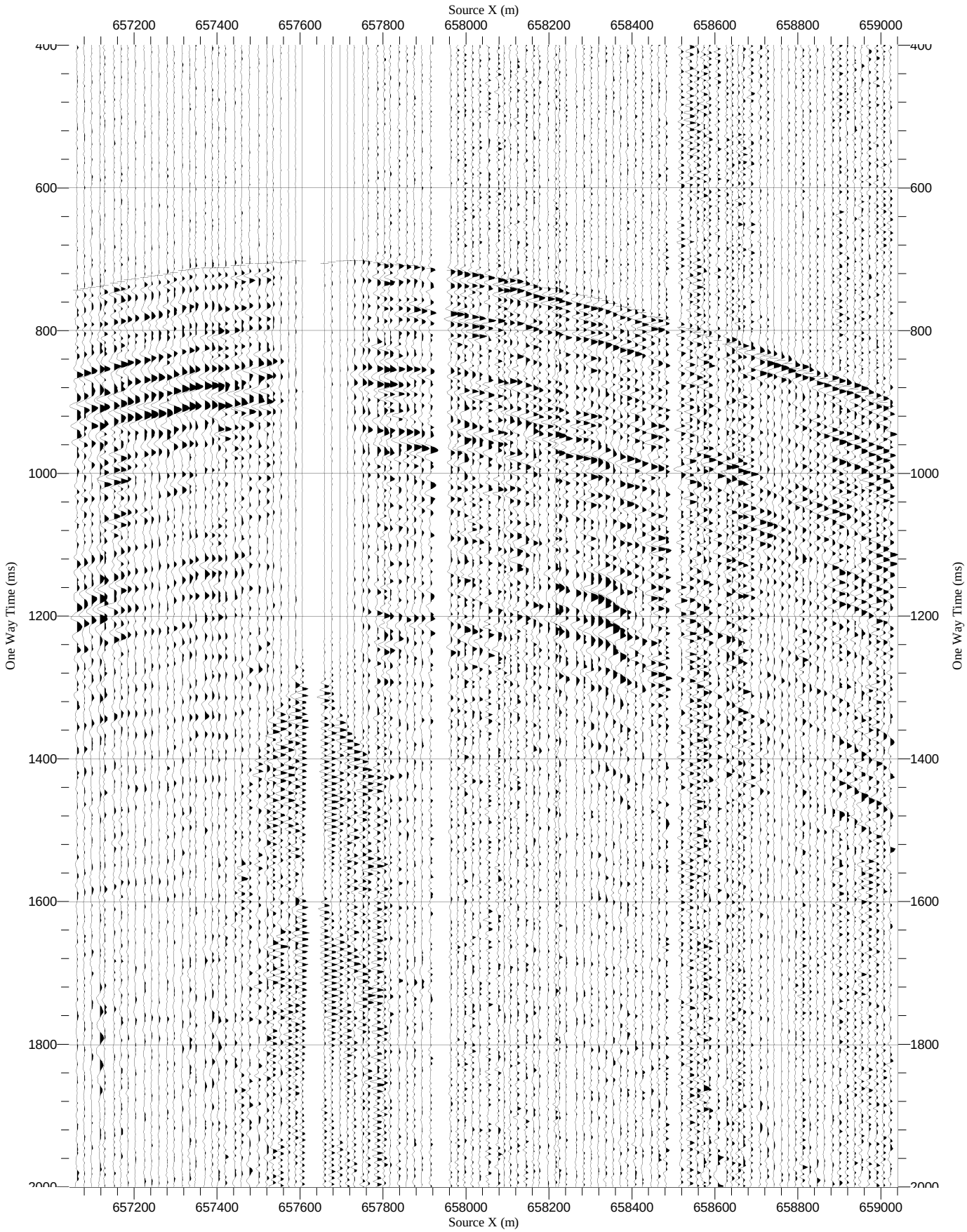
RawStack NRY VSI-8	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.5 cm/sec, 1/12790	



RawStack HMX VSI-8	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.5 cm/sec, 1/12790	



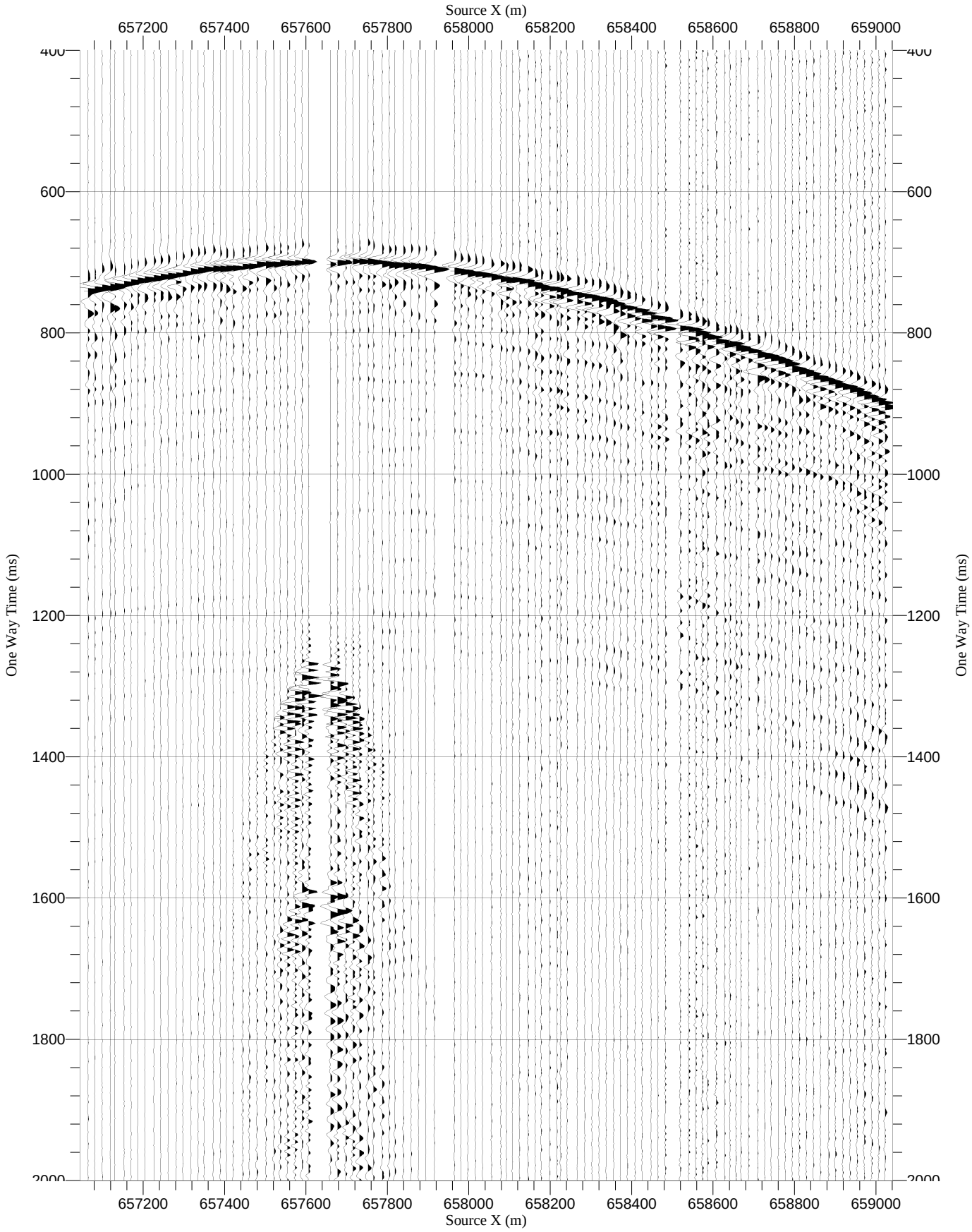
RawStack HMN VSI-8	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.5 cm/sec, 1/12790	



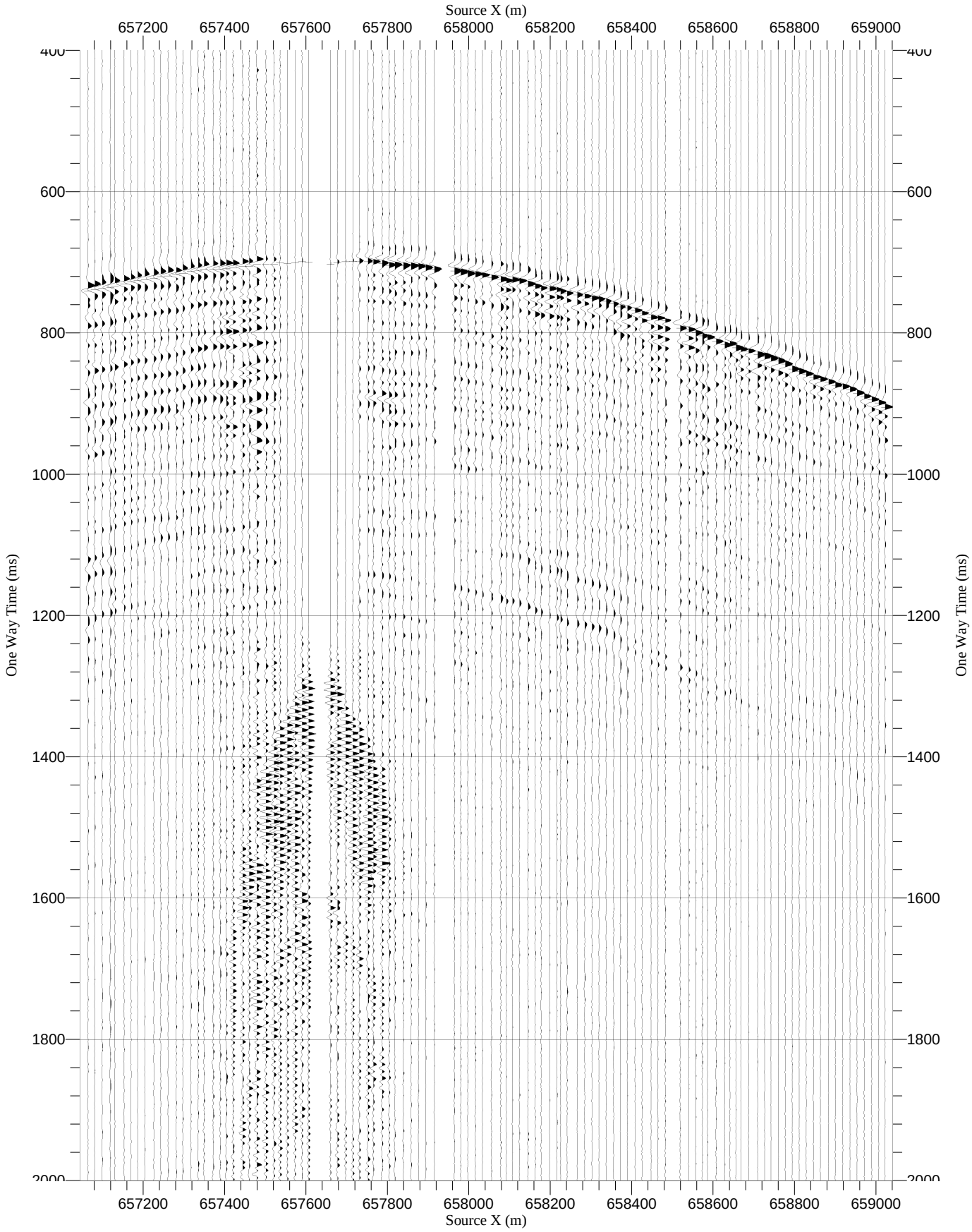
VSI-7

(1790 m receiver gather WVSP Line-A)

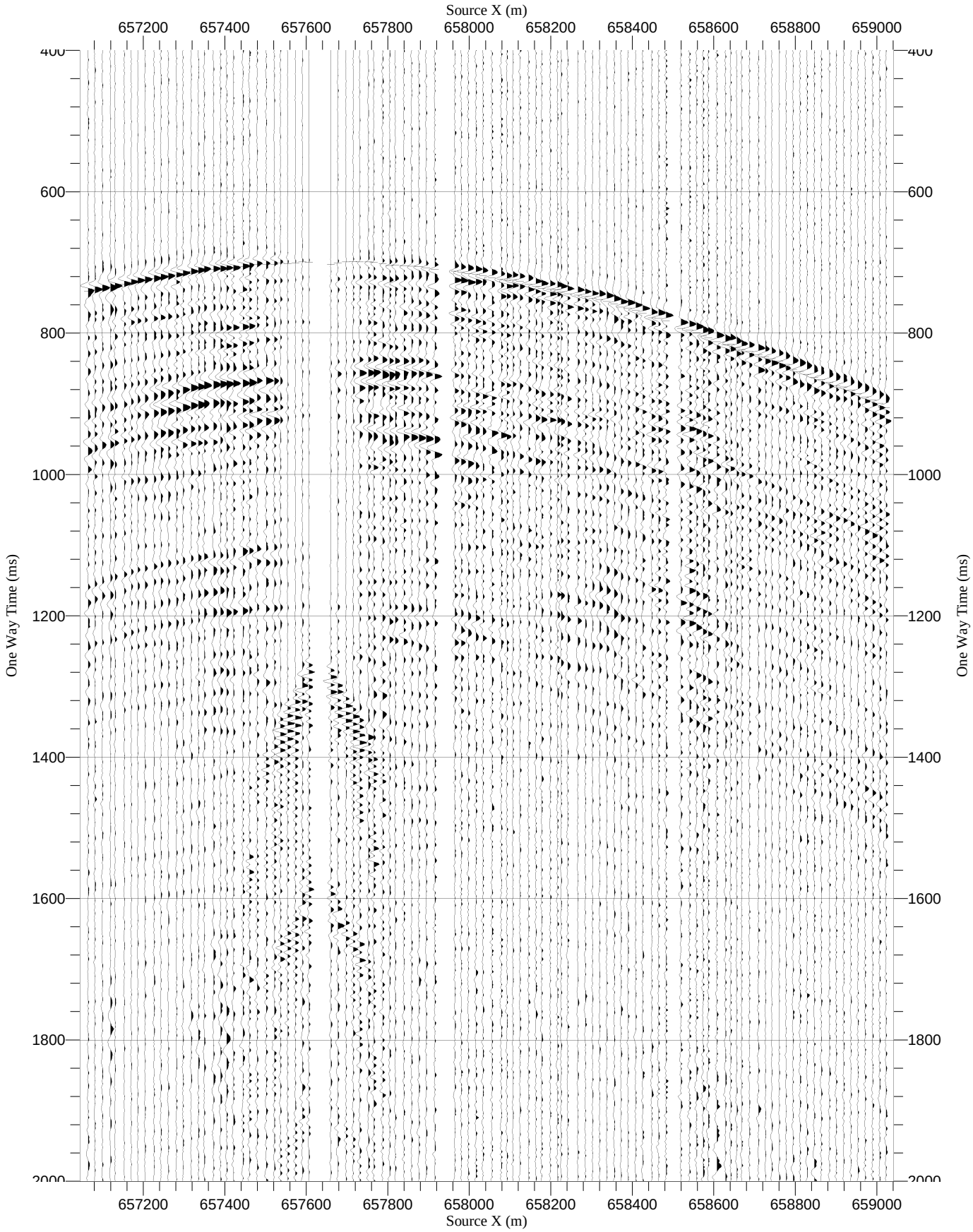
RawStack Z VSI-7	Normalization Trace by Trace (200%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



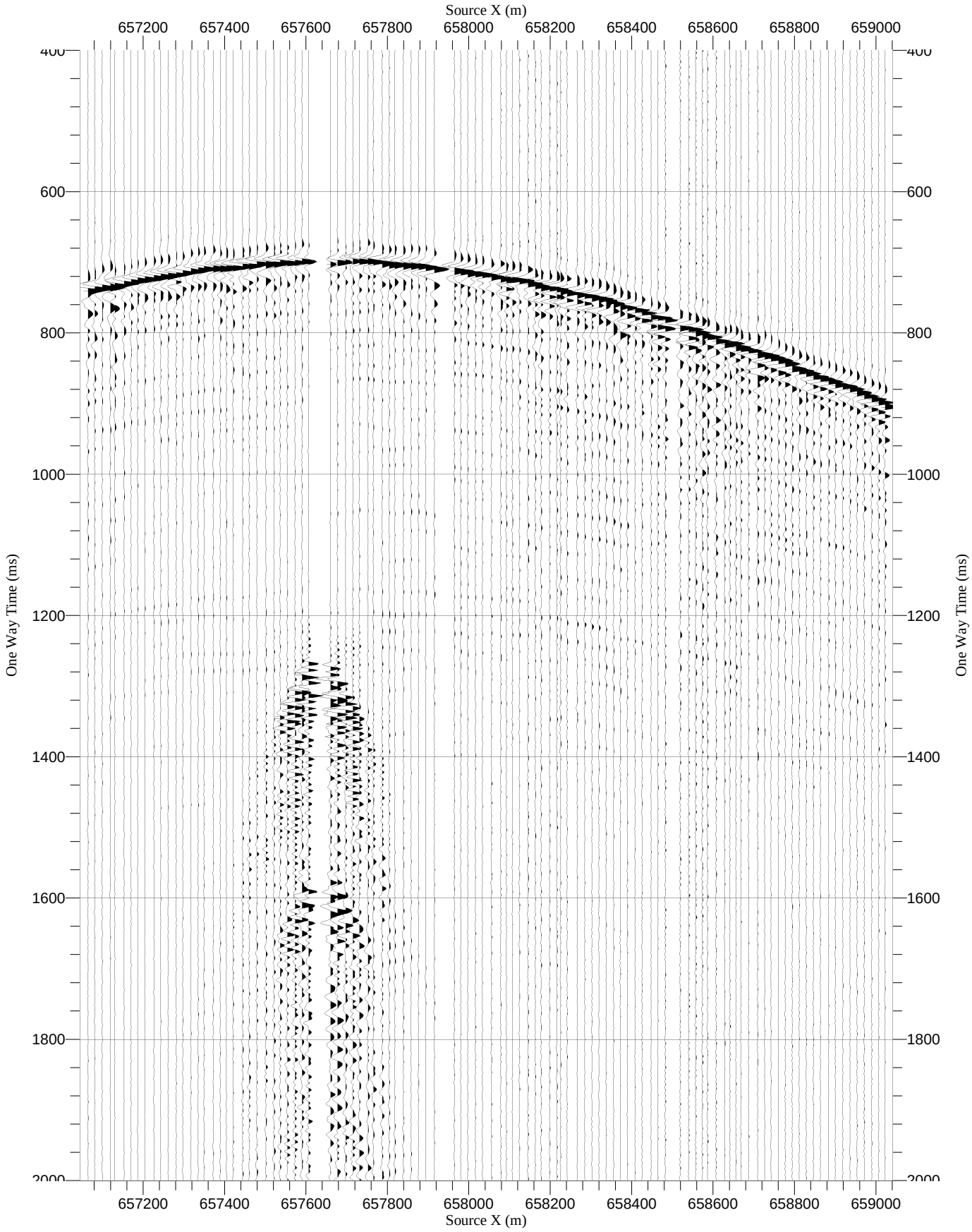
RawStack Y VSI-7	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



RawStack X VSI-7	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



RawStack TRY VSI-7	Normalization Trace by Trace (200%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	

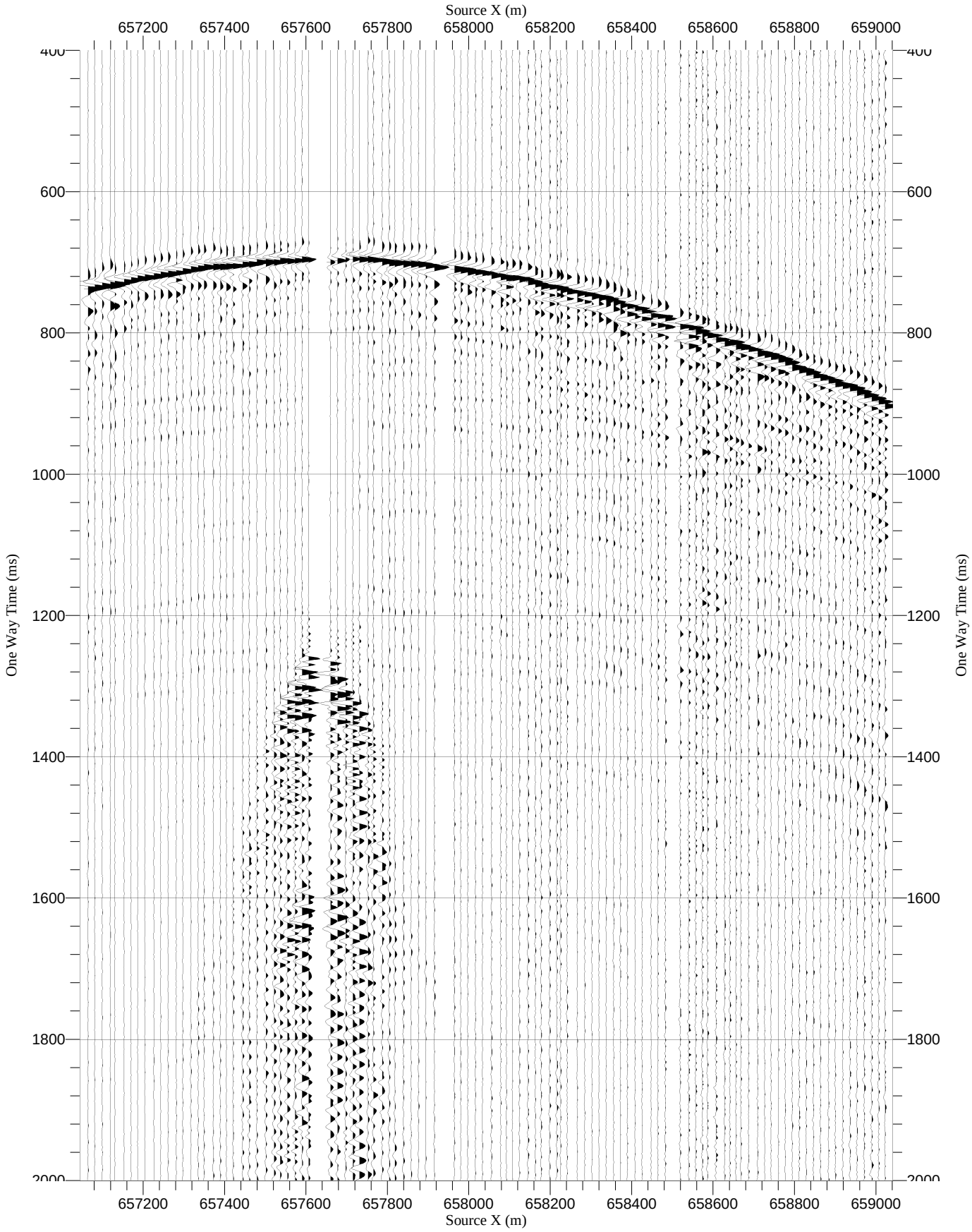


RawStack HMX VSI-7	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	

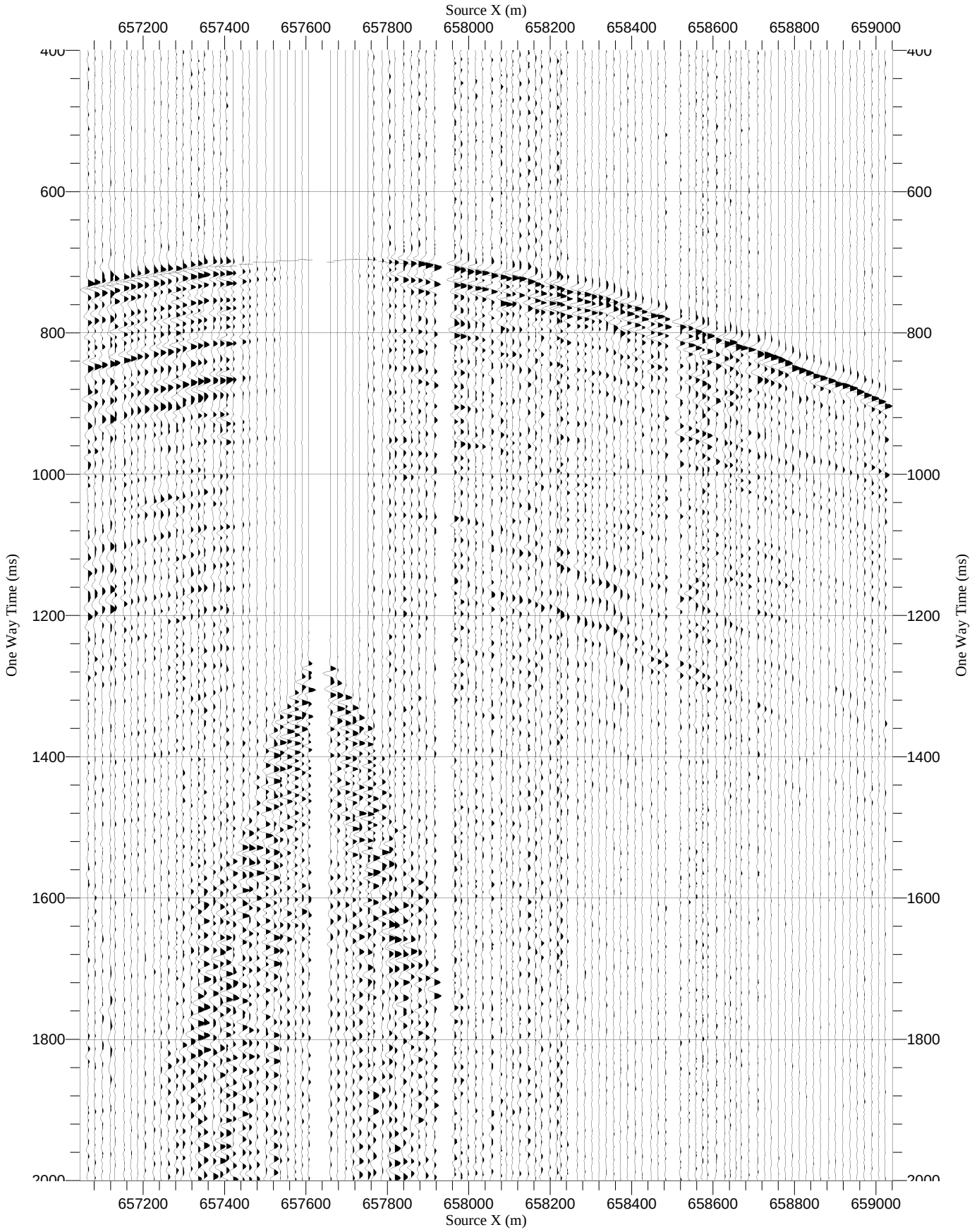
VSI-6

(1780 m receiver gather WVSP Line-A)

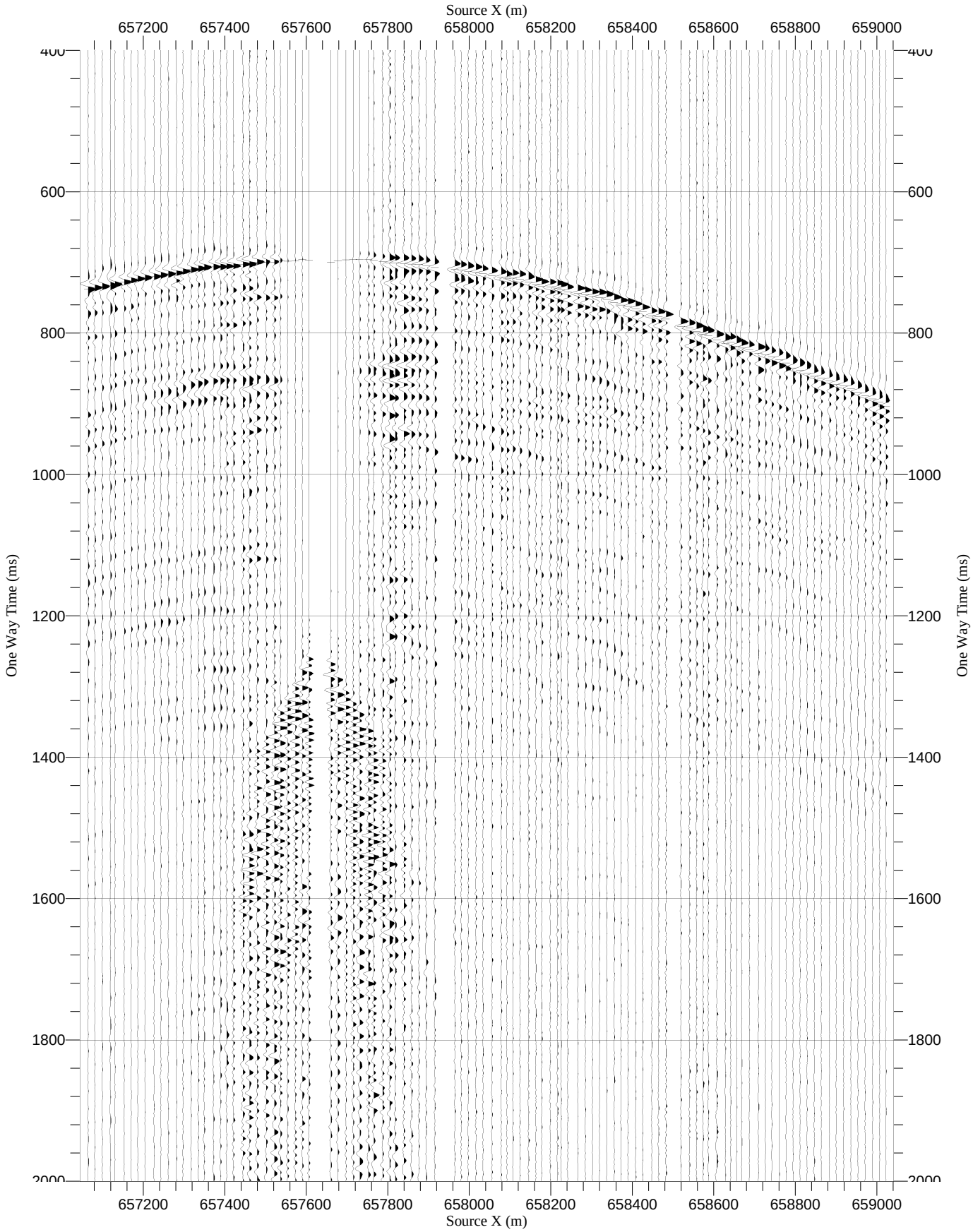
RawStack Z VSI-6	Normalization Trace by Trace (200%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



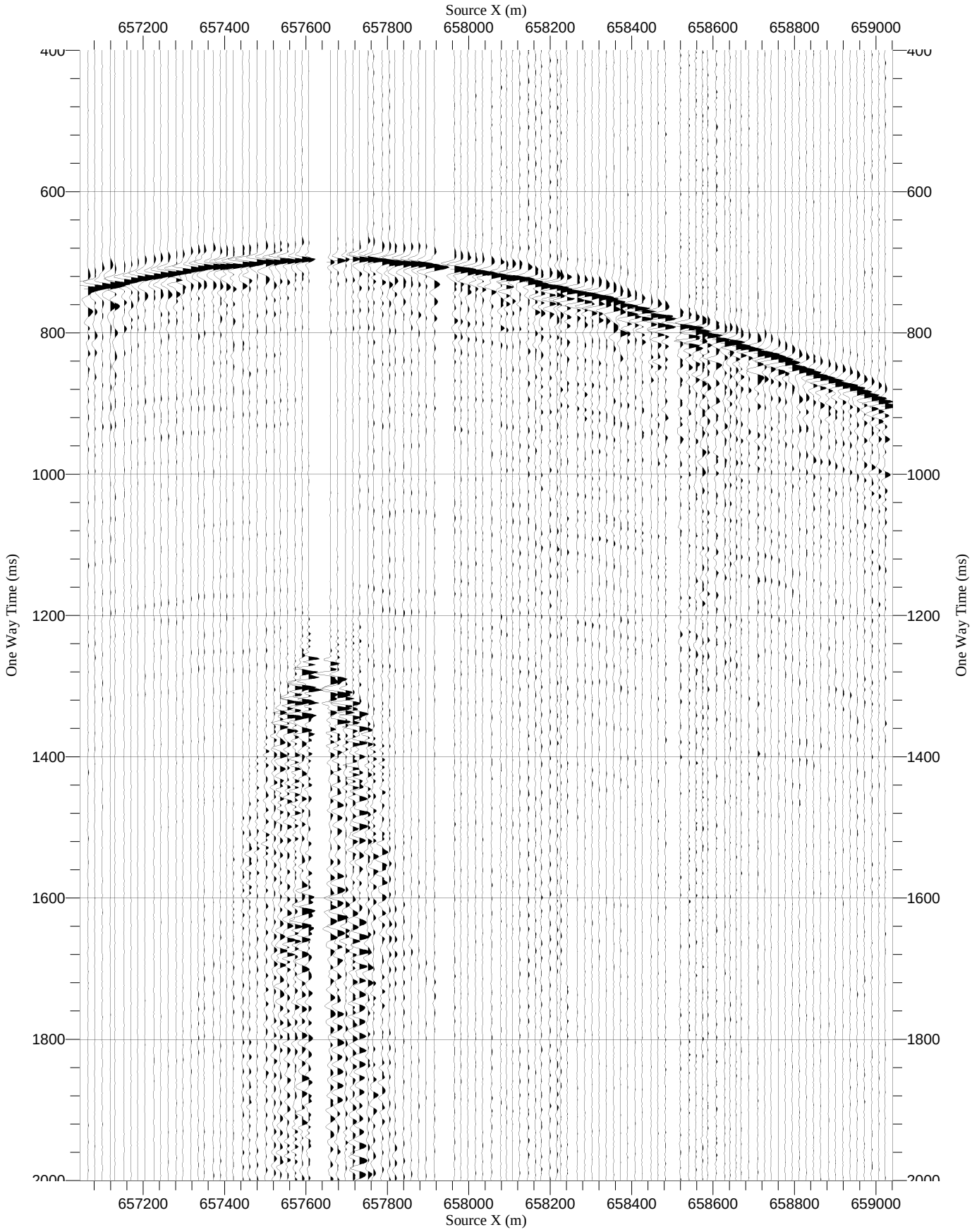
RawStack Y VSI-6	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



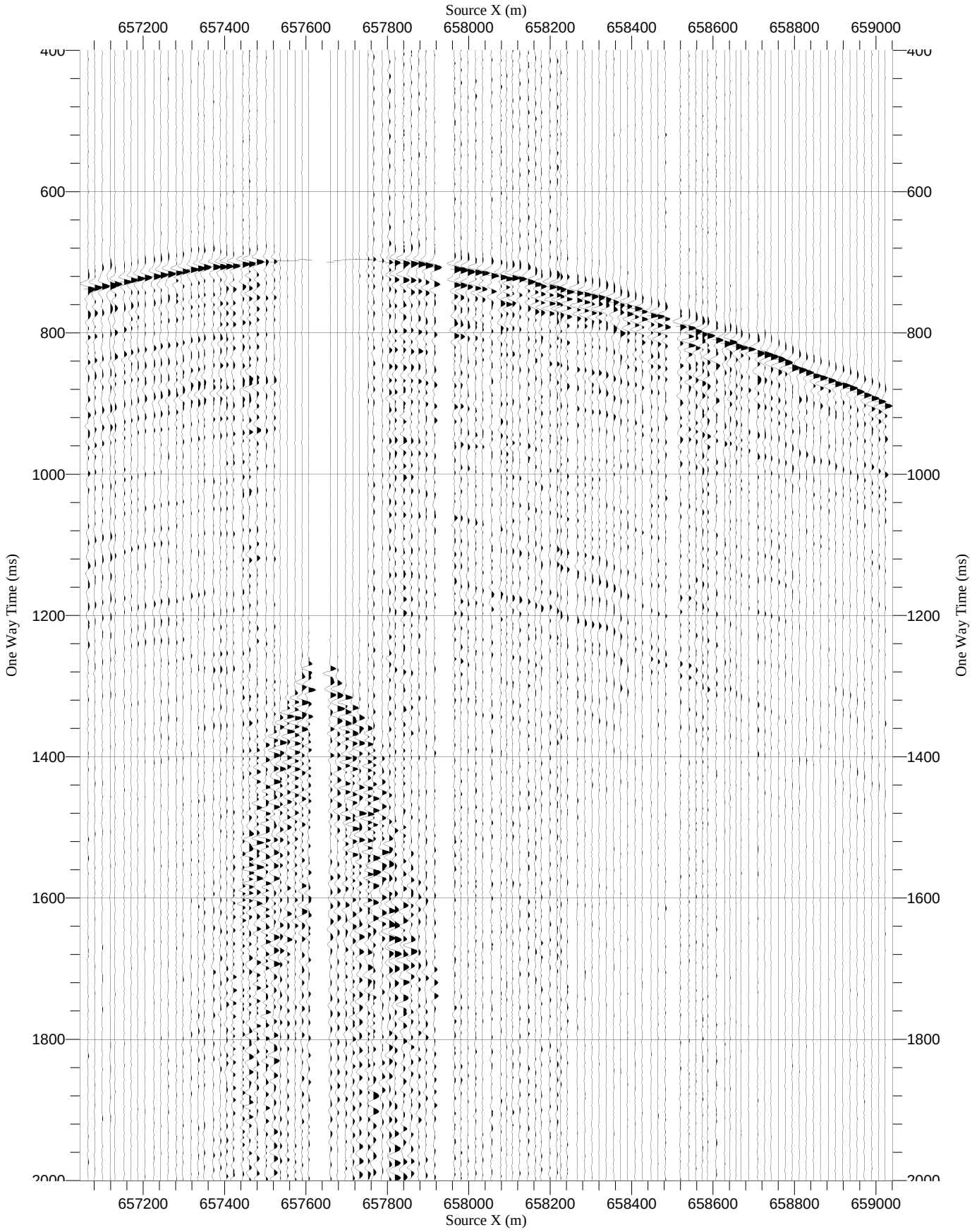
RawStack X VSI-6	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



RawStack TRY VSI-6	Normalization Trace by Trace (200%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



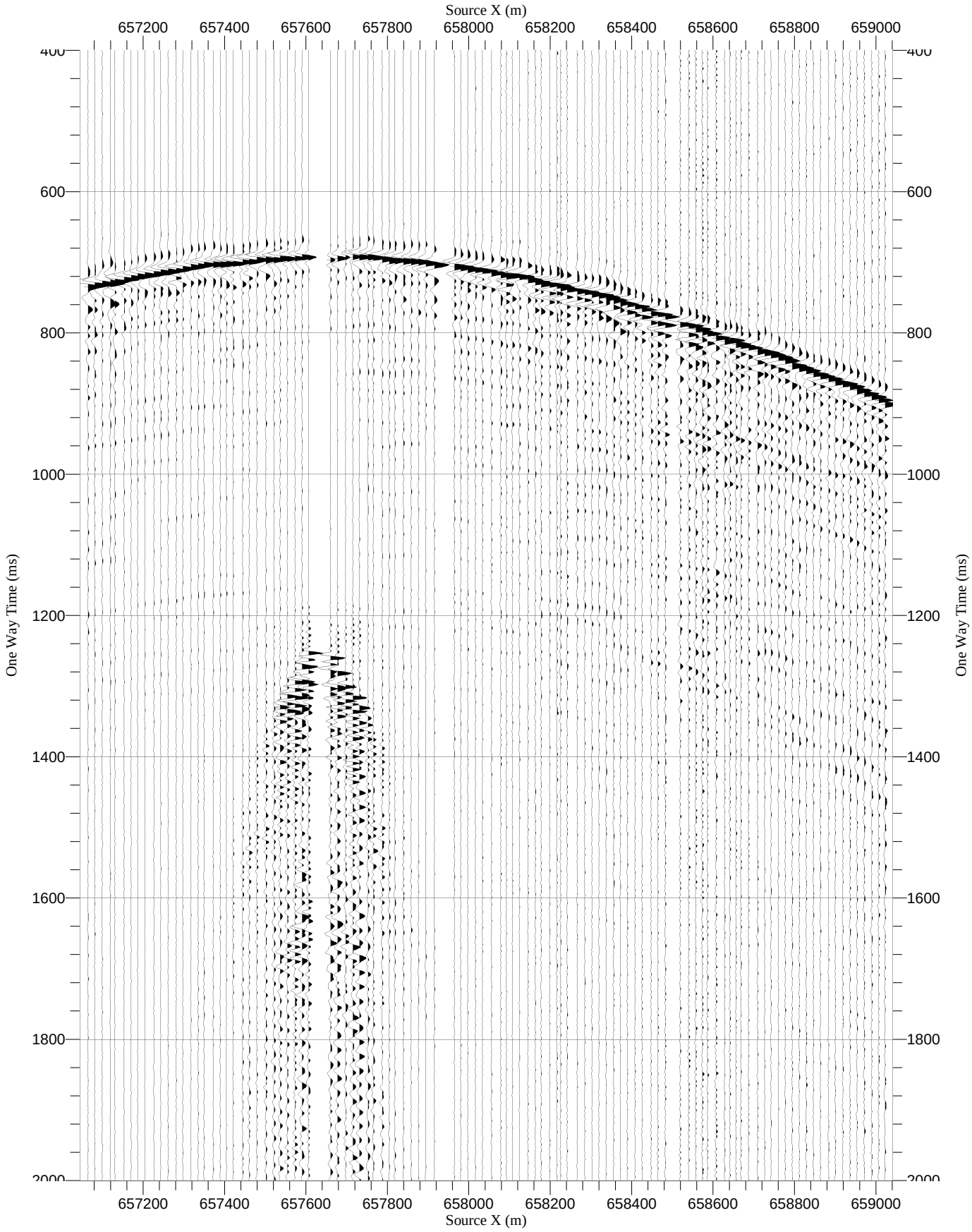
RawStack HMX VSI-6	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



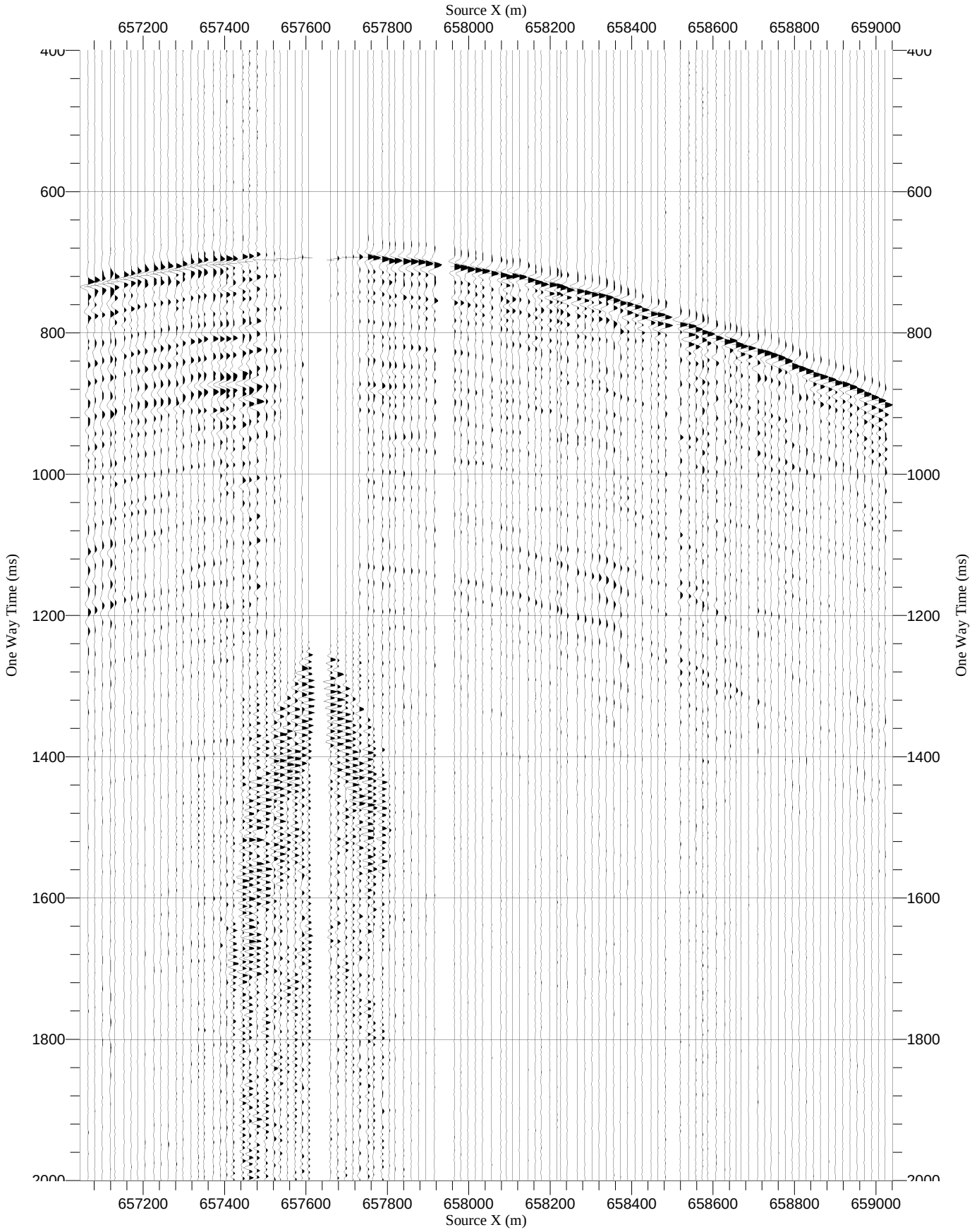
VSI-5

(1770 m receiver gather WVSP Line-A)

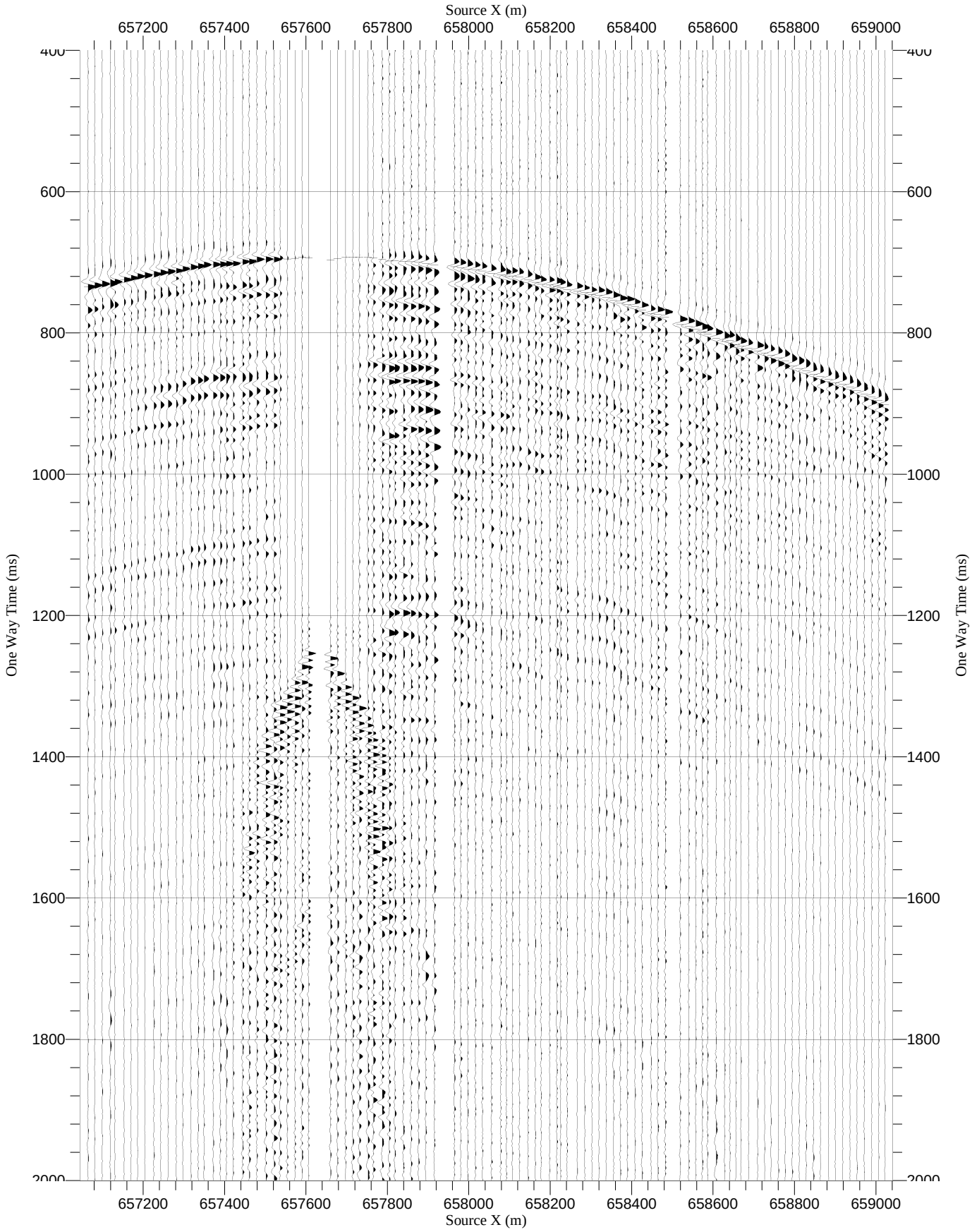
RawStack Z VSI-5	Normalization Trace by Trace (200%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



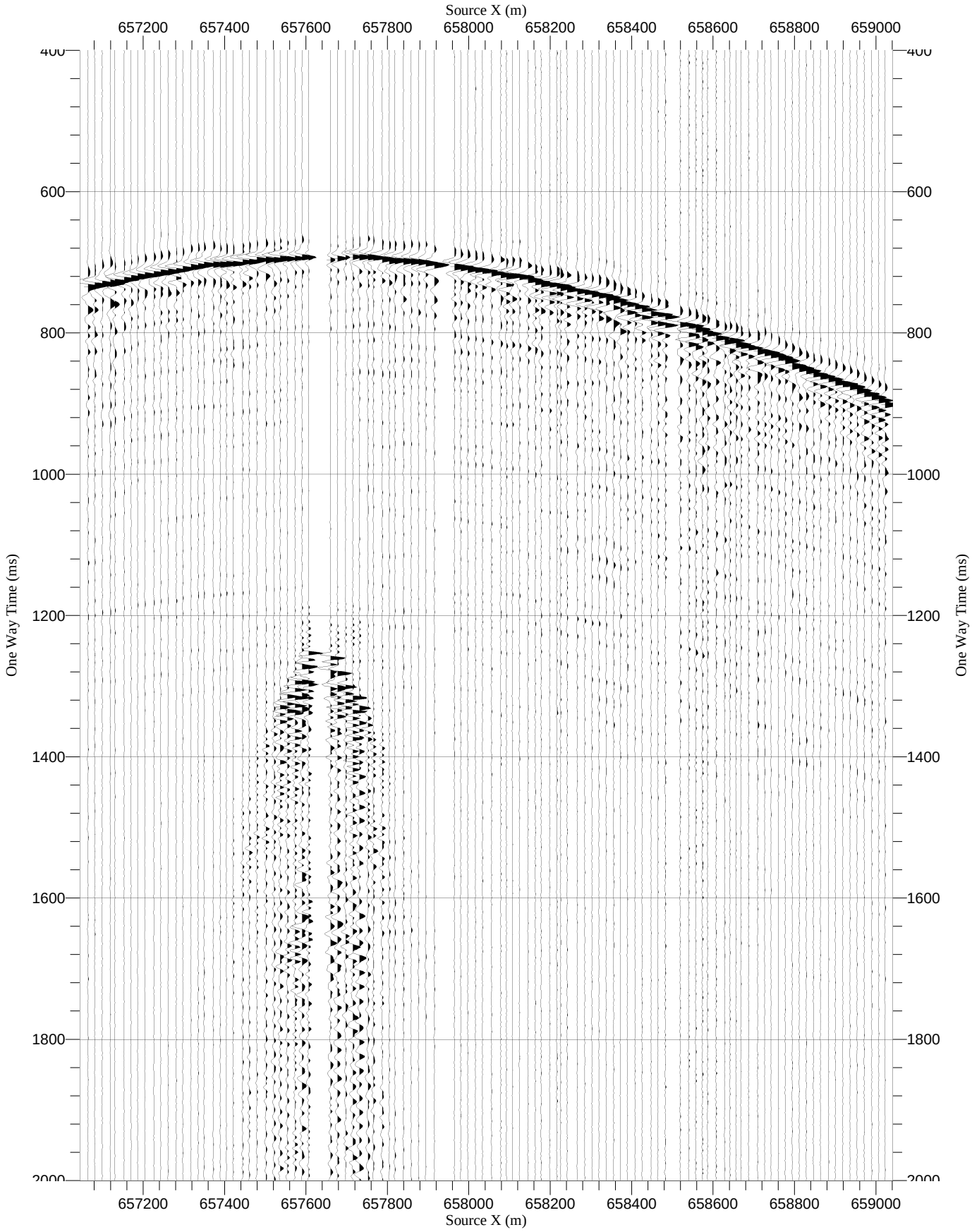
RawStack Y VSI-5	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



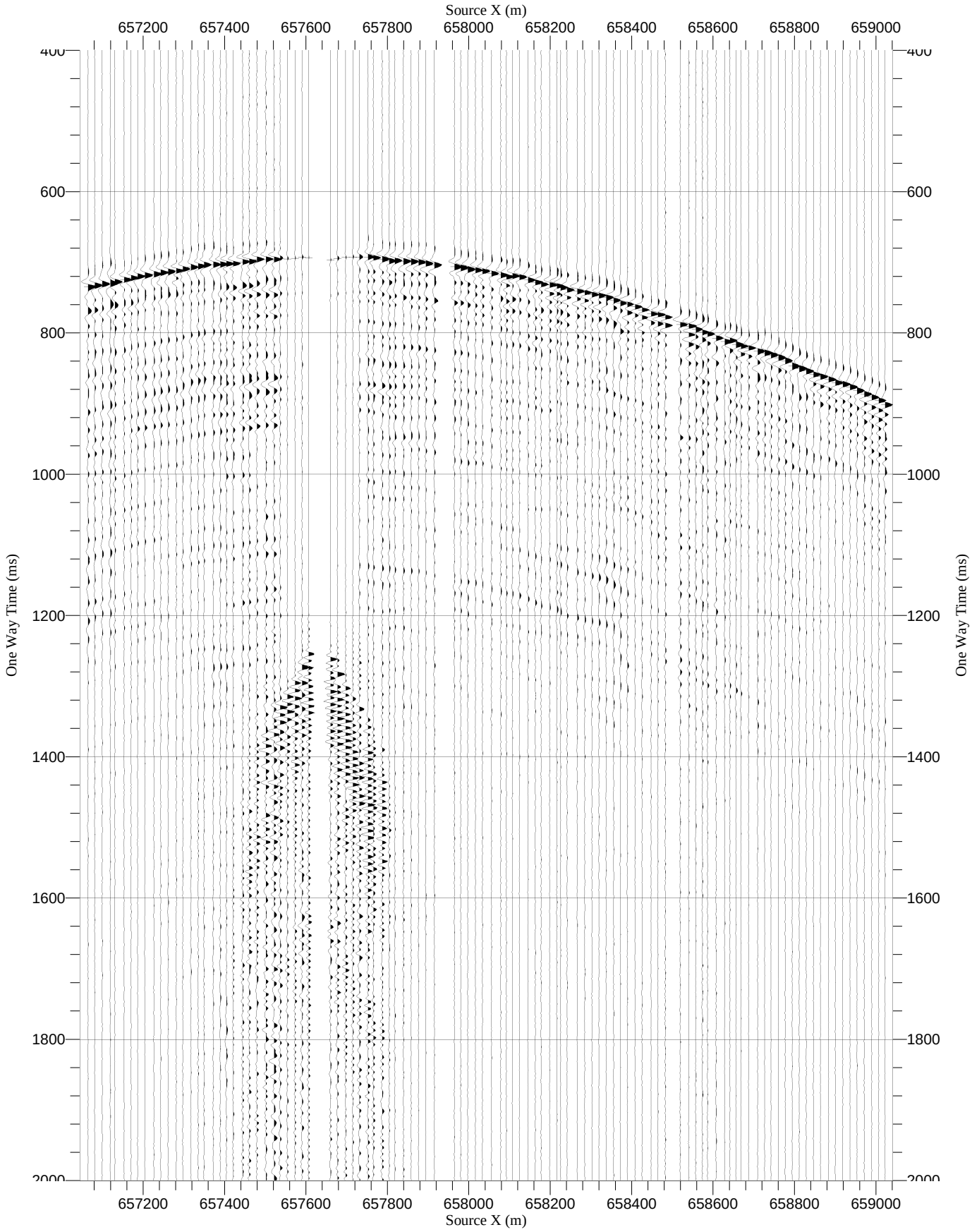
RawStack X VSI-5	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



RawStack TRY VSI-5	Normalization Trace by Trace (200%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



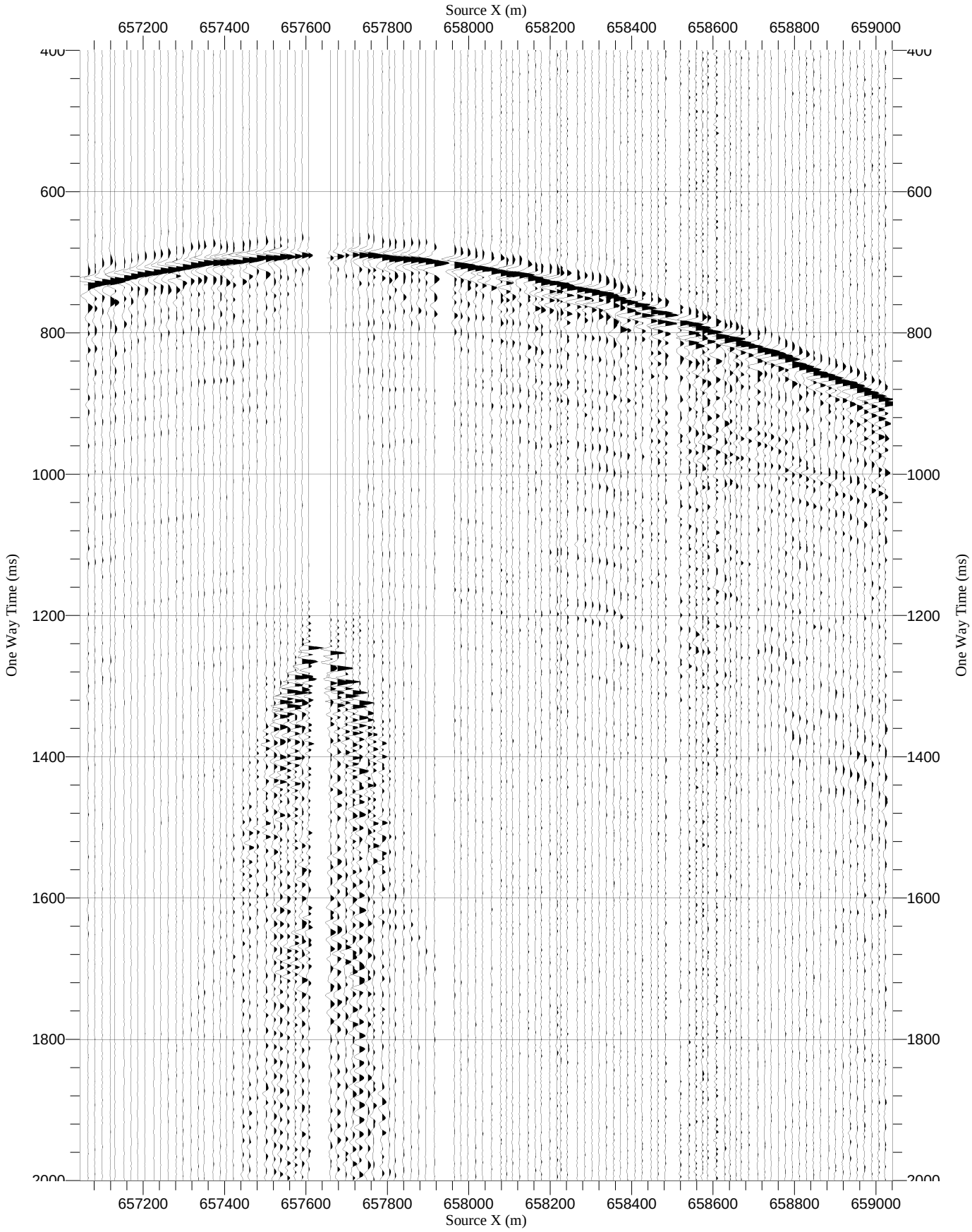
RawStack HMX VSI-5	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



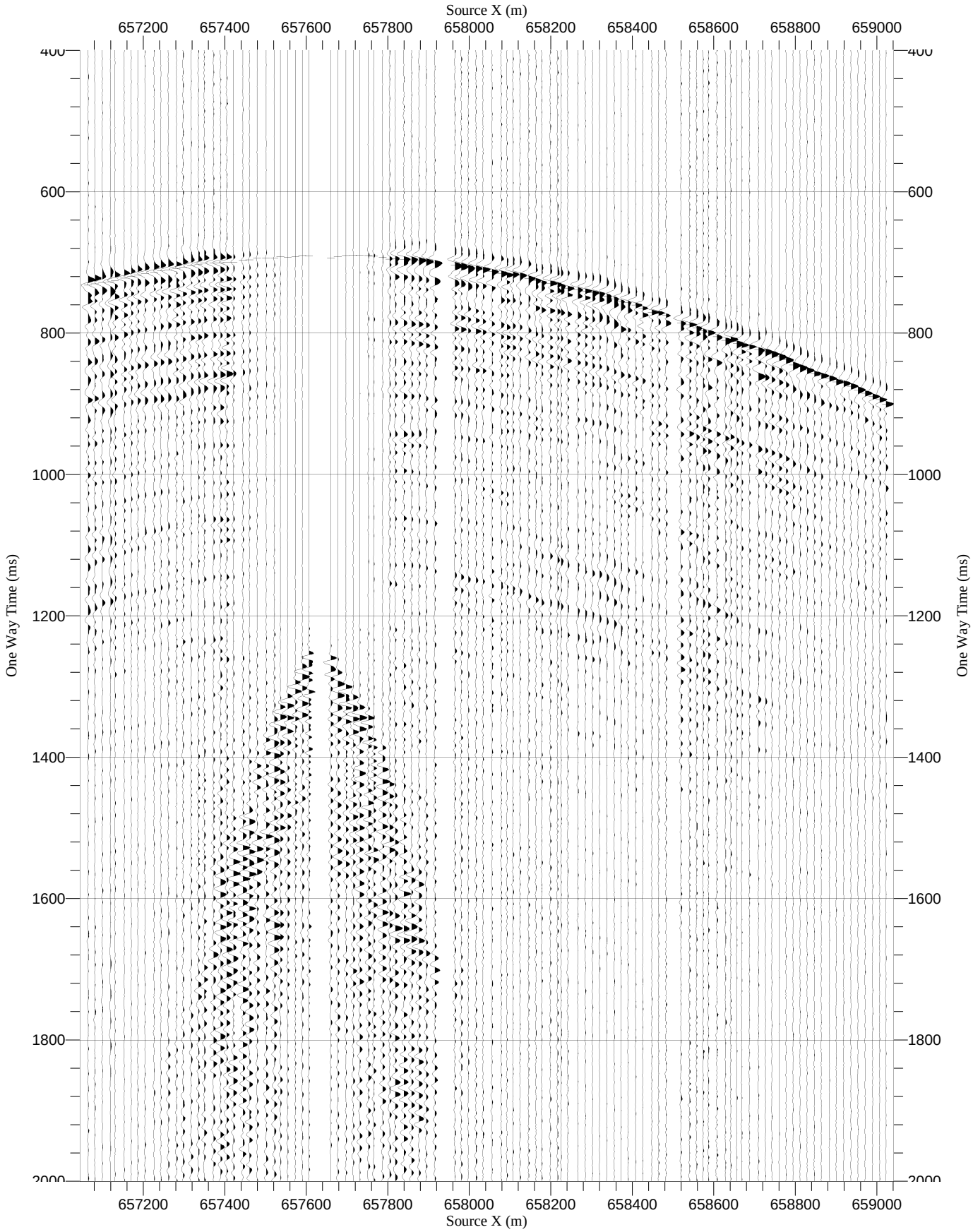
VSI-4

(1760 m receiver gather WVSP Line-A)

RawStack Z VSI-4	Normalization Trace by Trace (200%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	

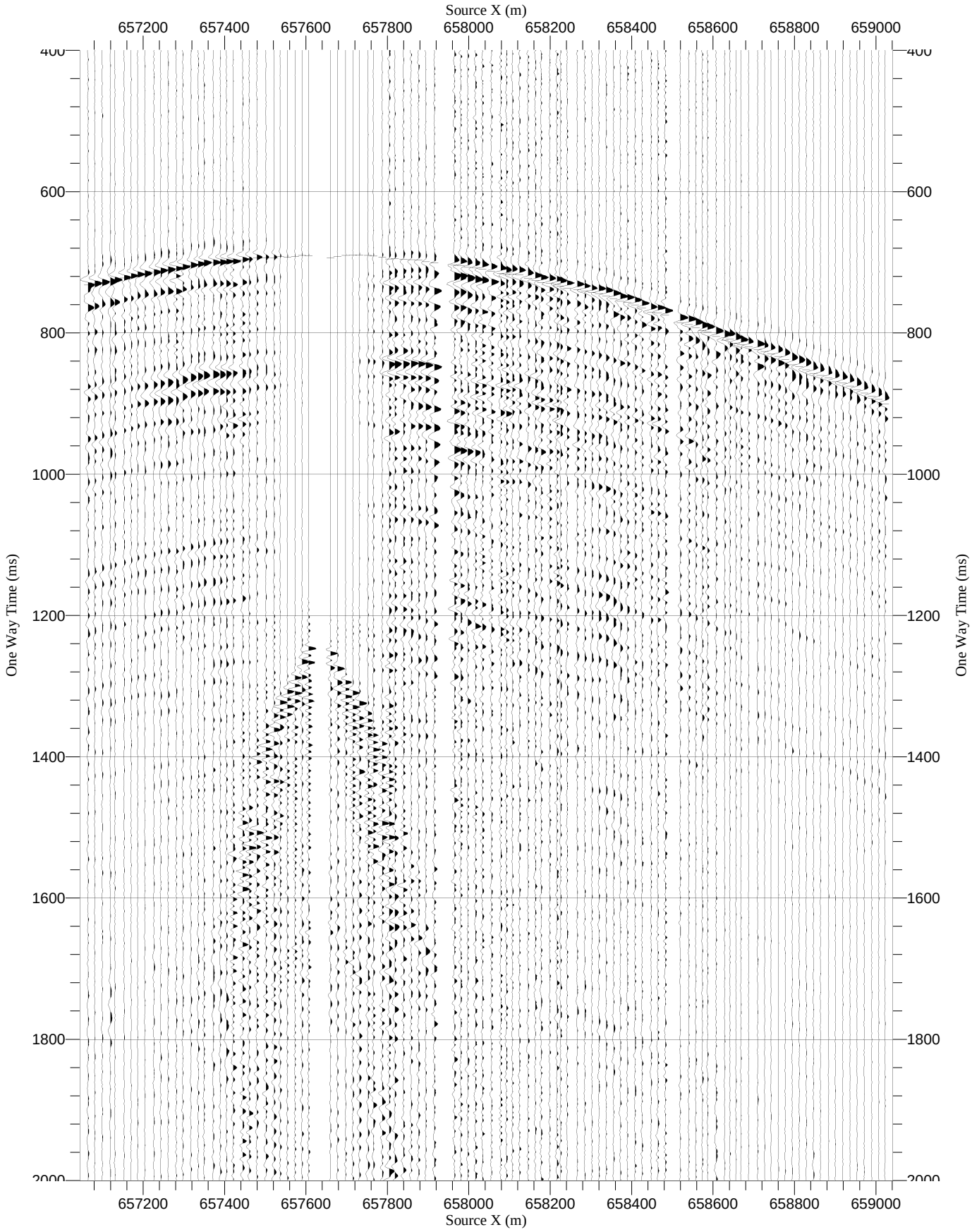


RawStack Y VSI-4	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	

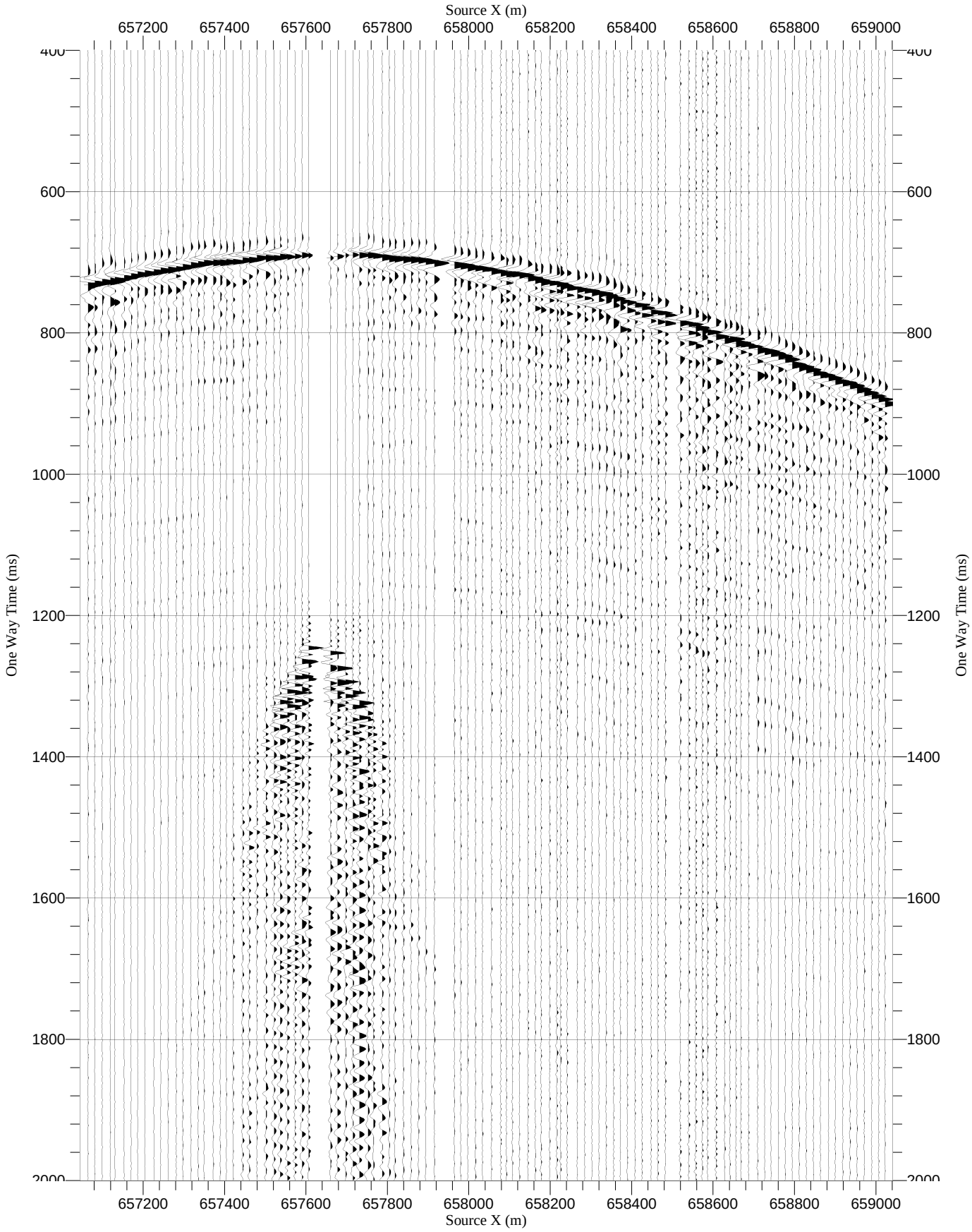


Schlumberger

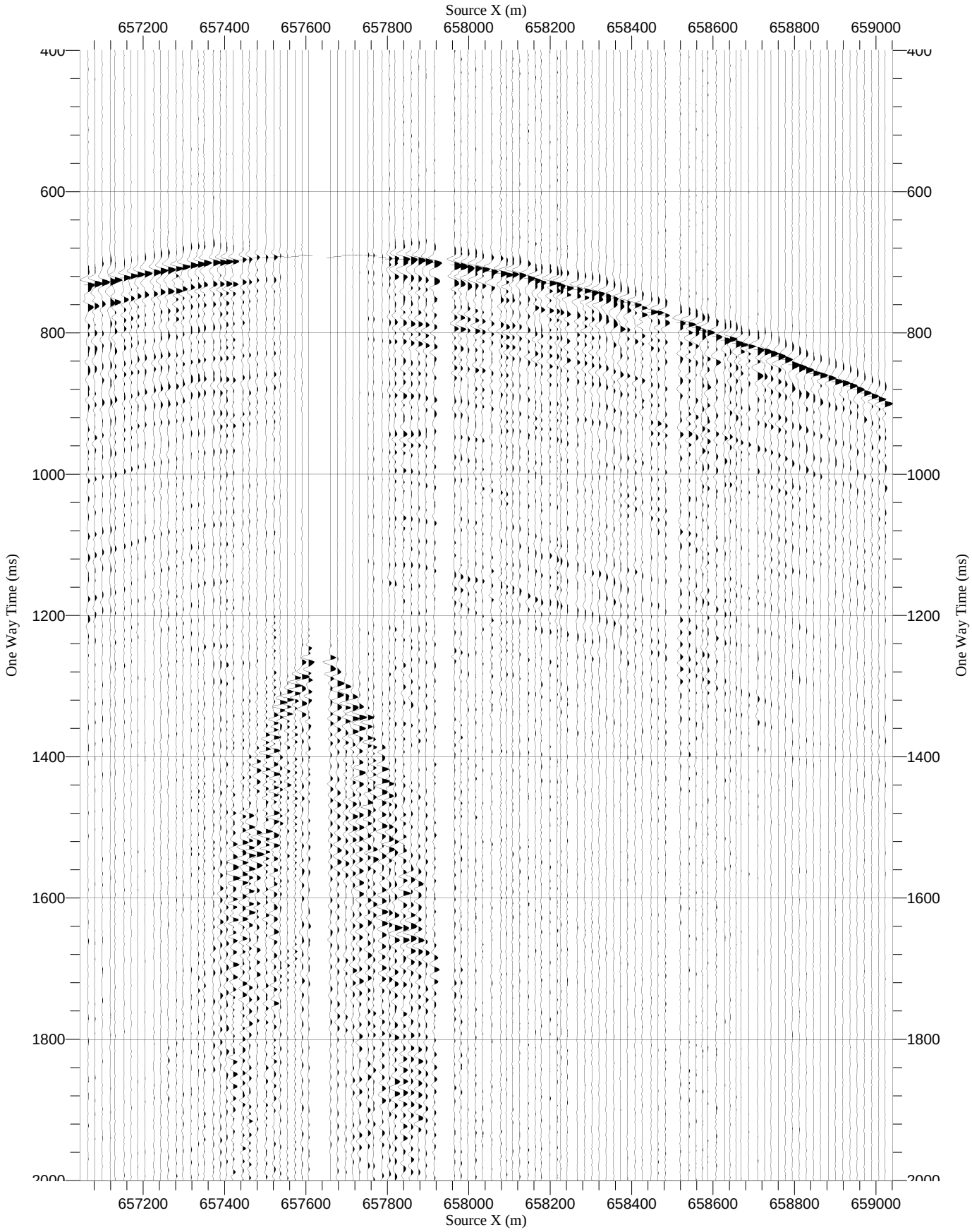
RawStack X VSI-4	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



RawStack TRY VSI-4	Normalization Trace by Trace (200%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



RawStack HMX VSI-4	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	

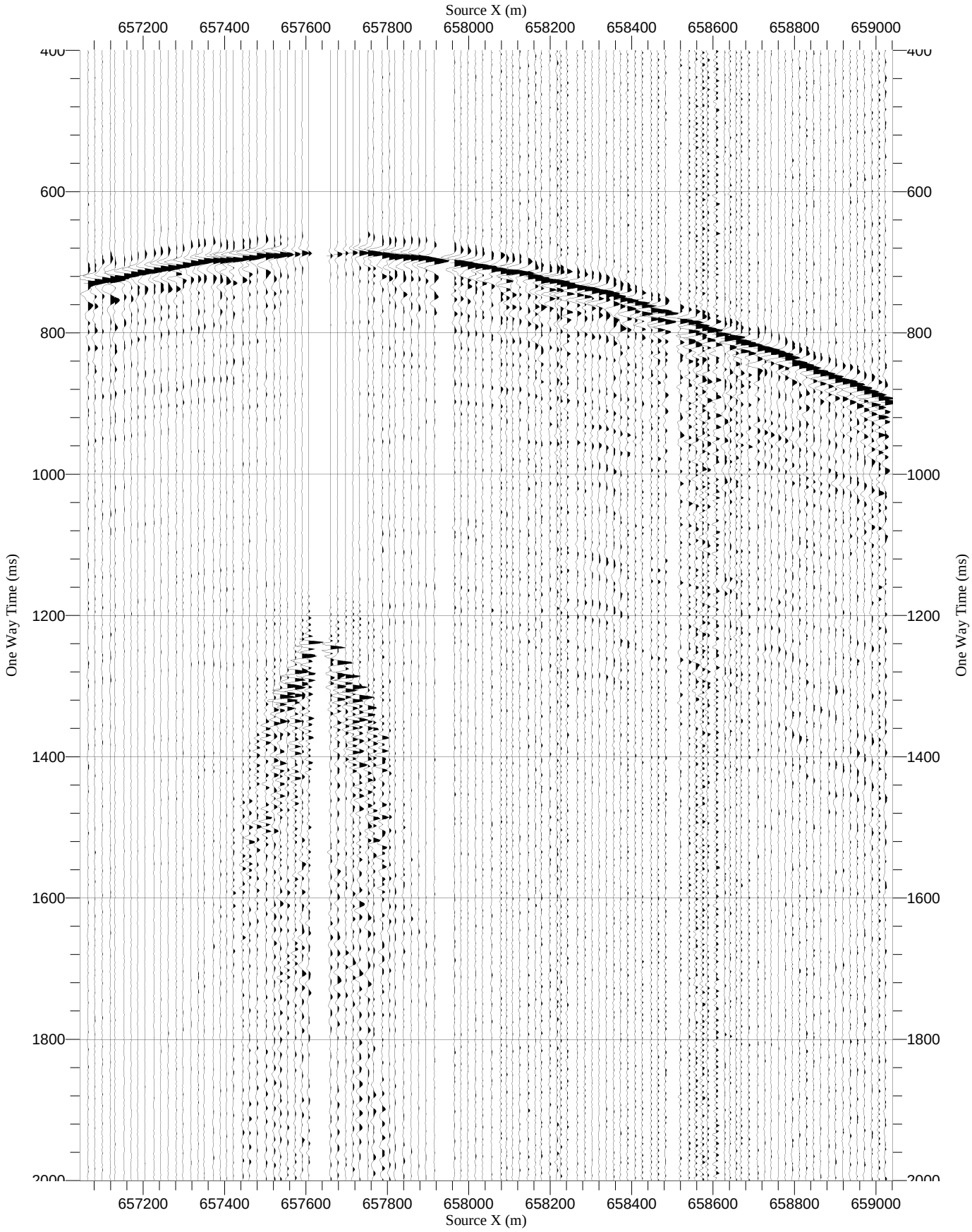


Schlumberger

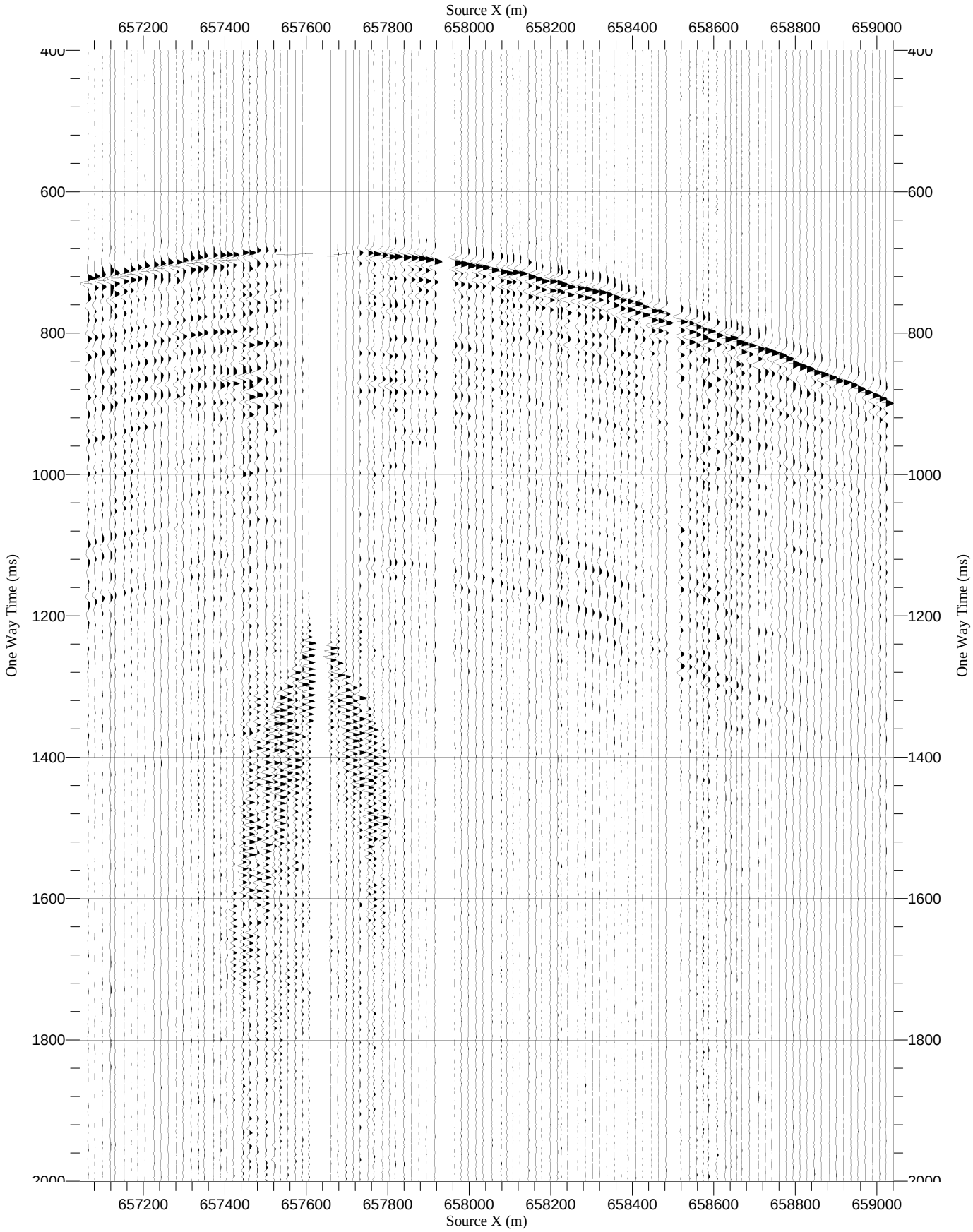
VSI-3

(1750 m receiver gather WVSP Line-A)

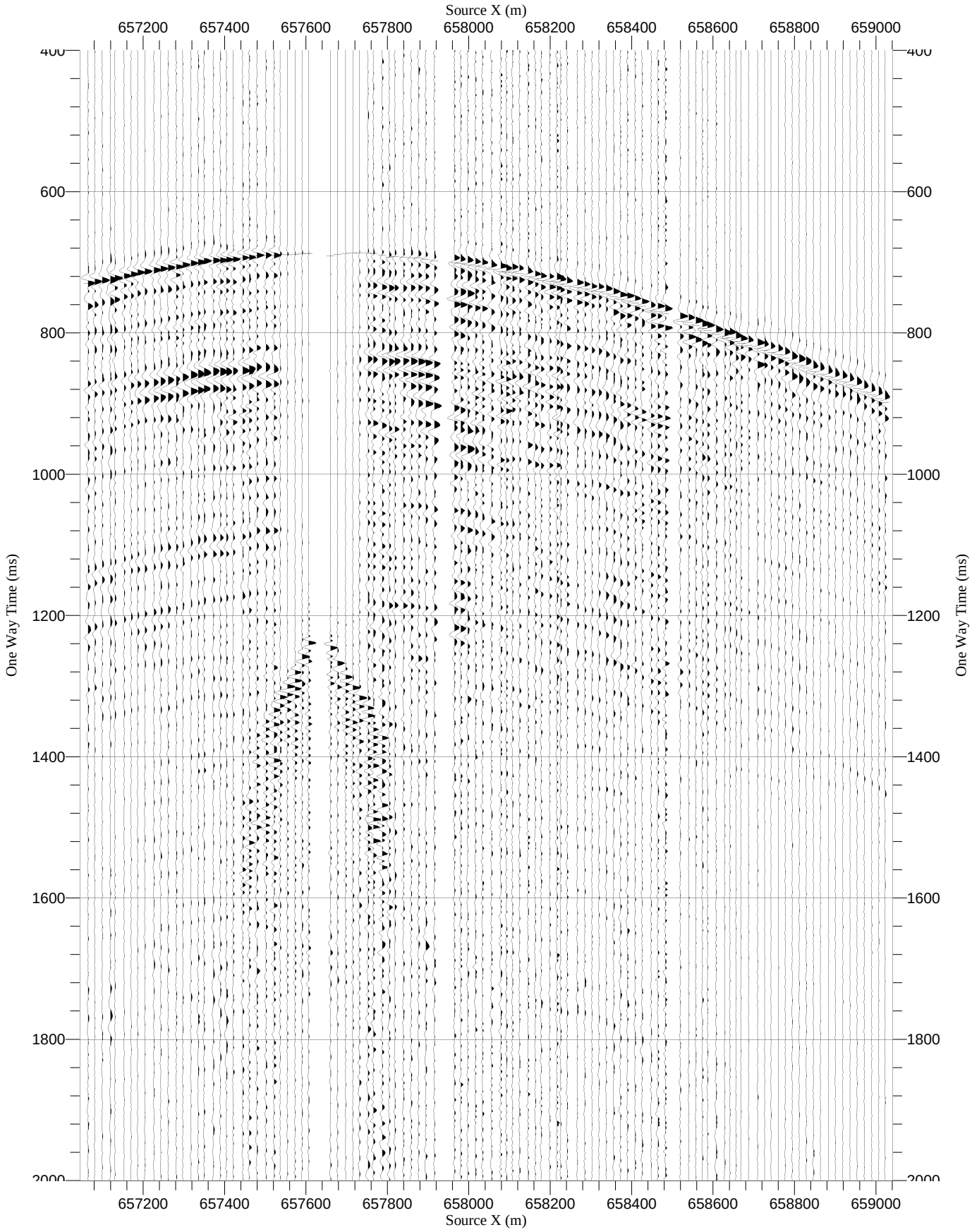
RawStack Z VSI-3	Normalization Trace by Trace (200%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



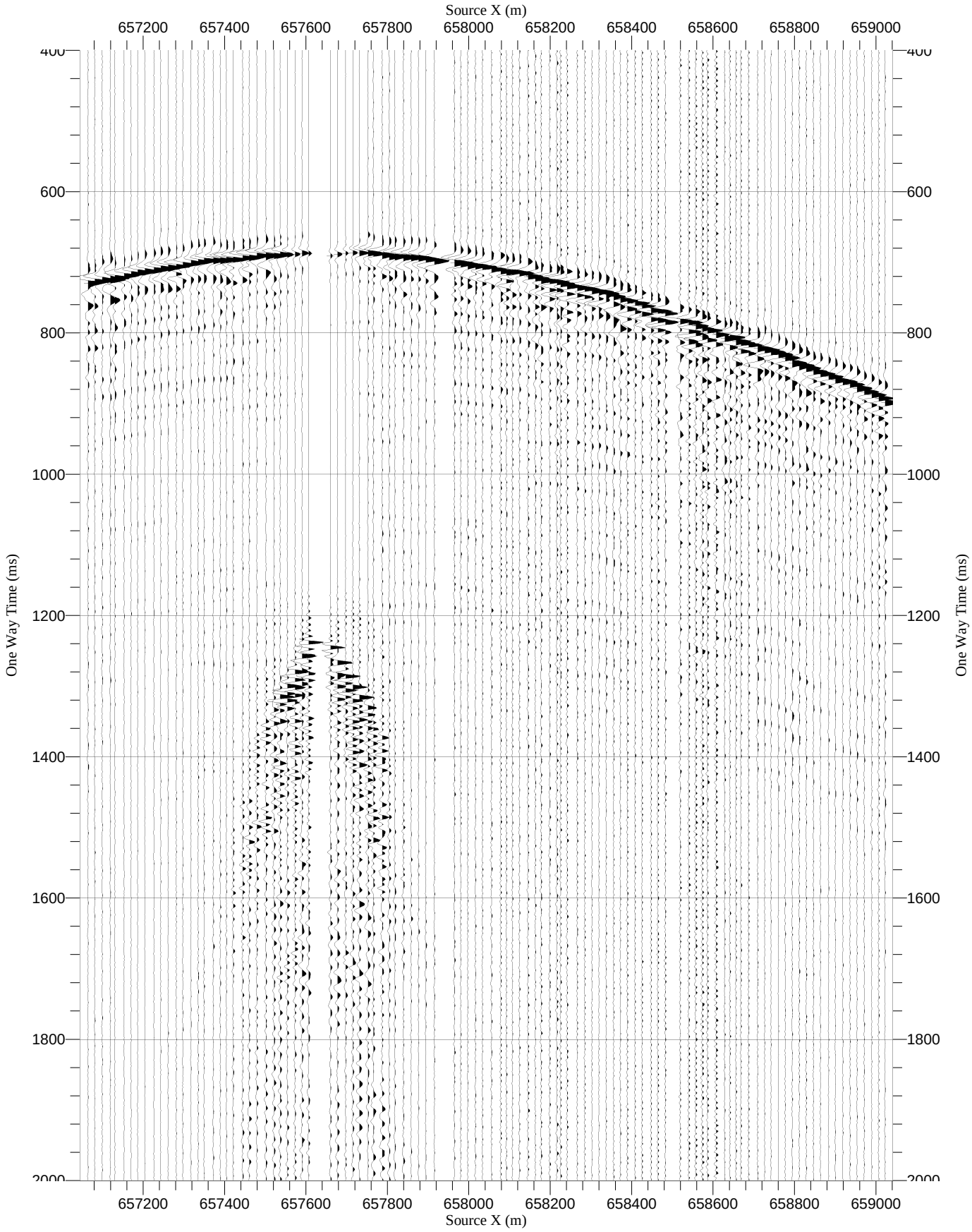
RawStack Y VSI-3	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



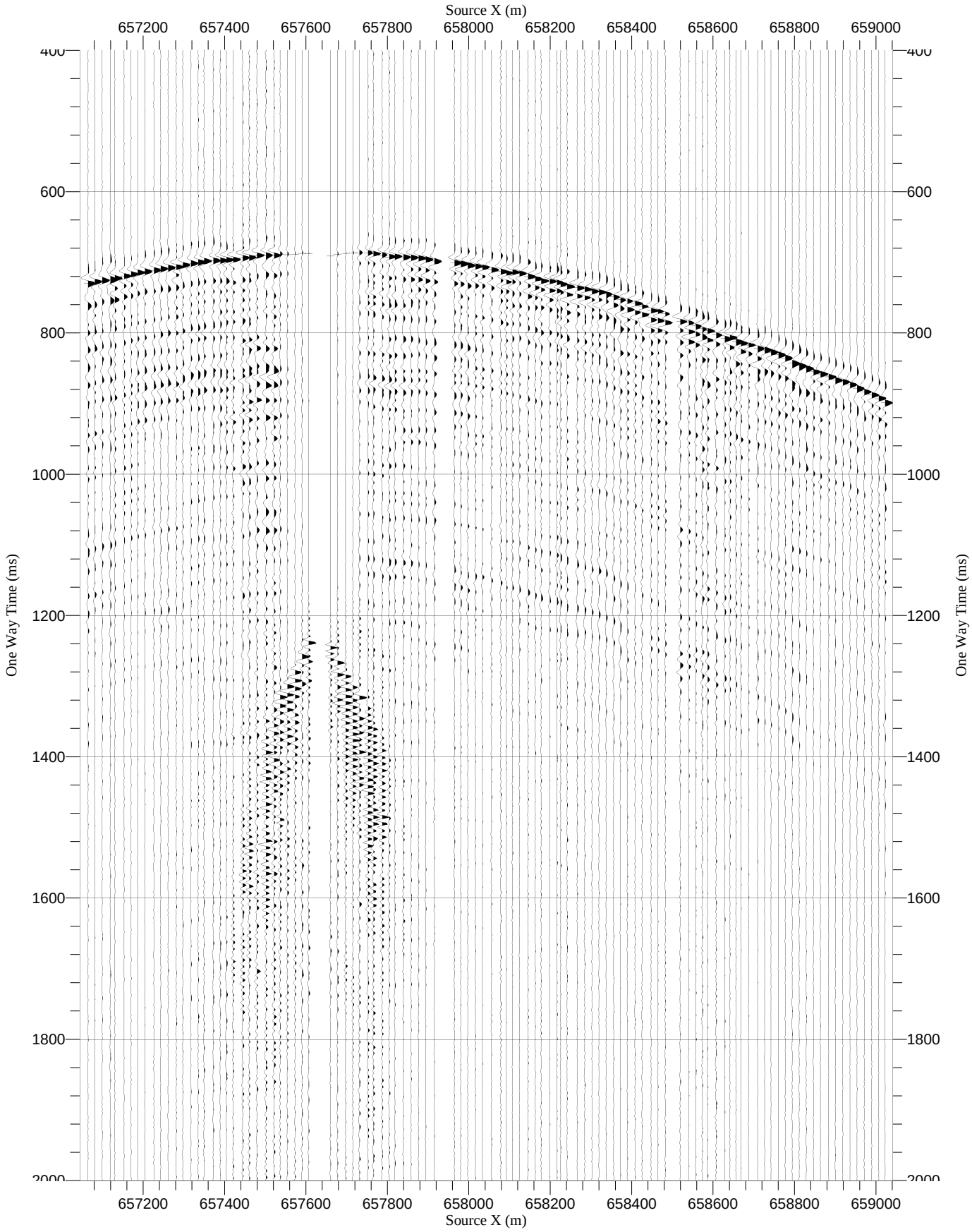
RawStack X VSI-3	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



RawStack TRY VSI-3	Normalization Trace by Trace (200%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



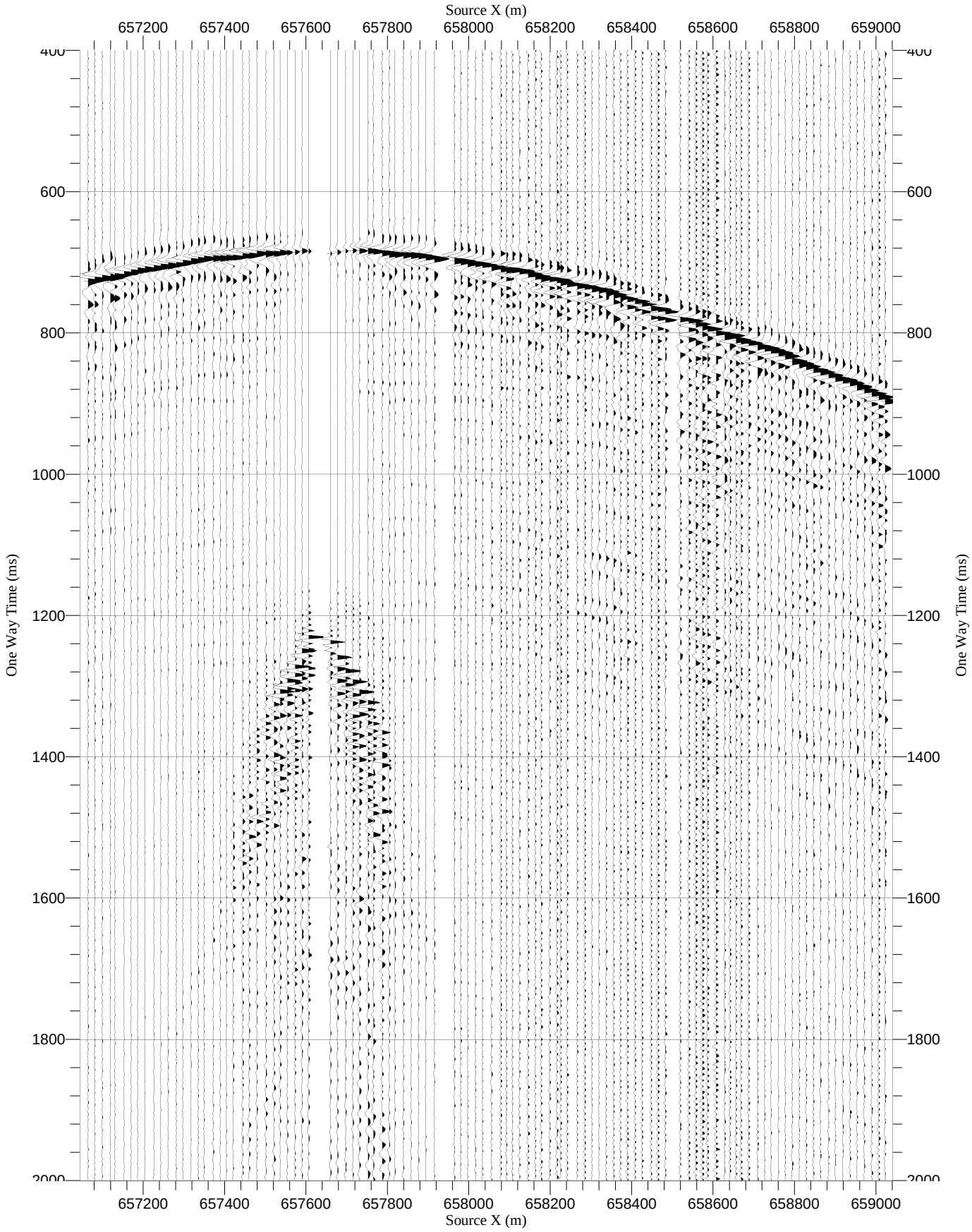
RawStack HMX VSI-3	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



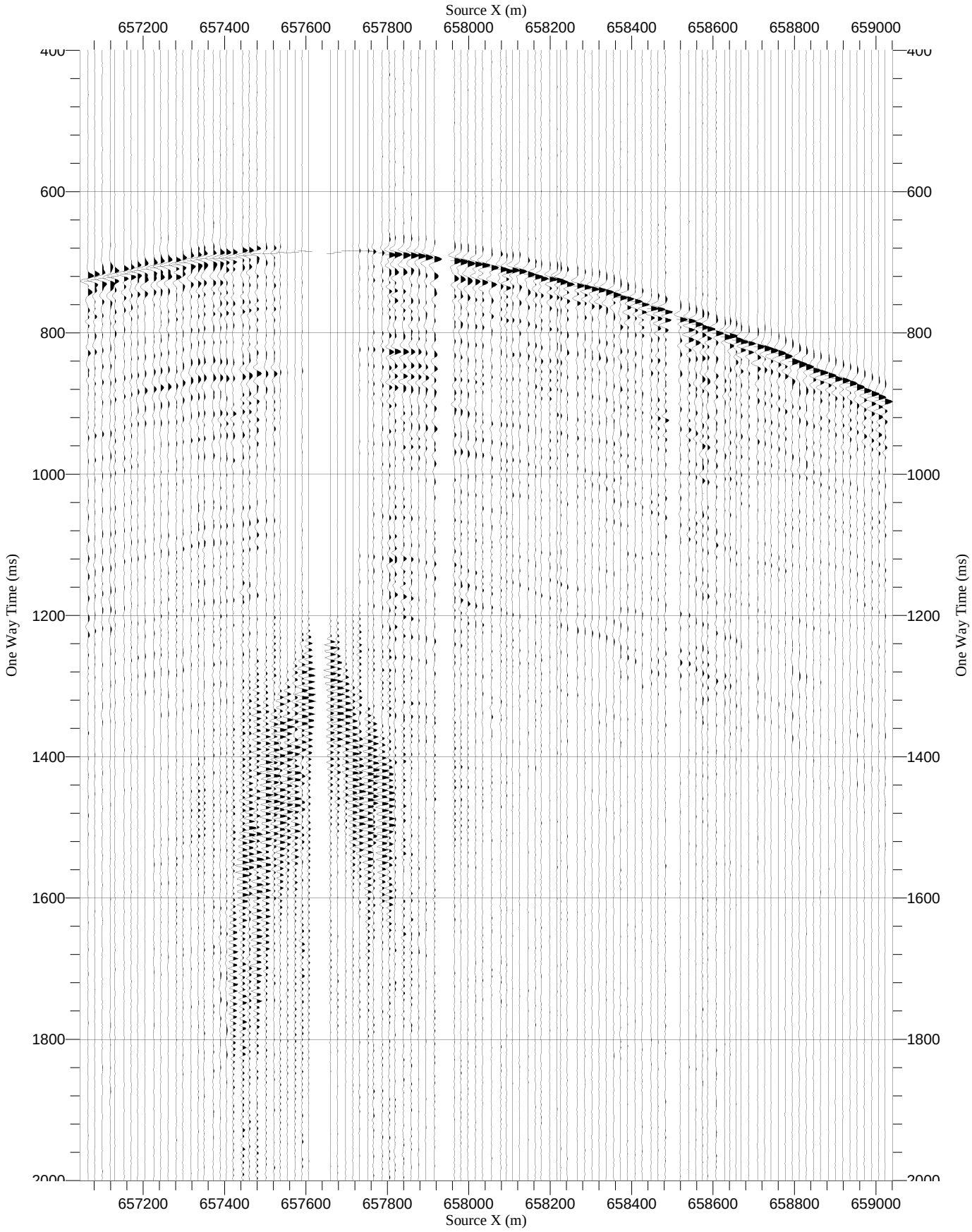
VSI-2

(1740 m receiver gather WVSP Line-A)

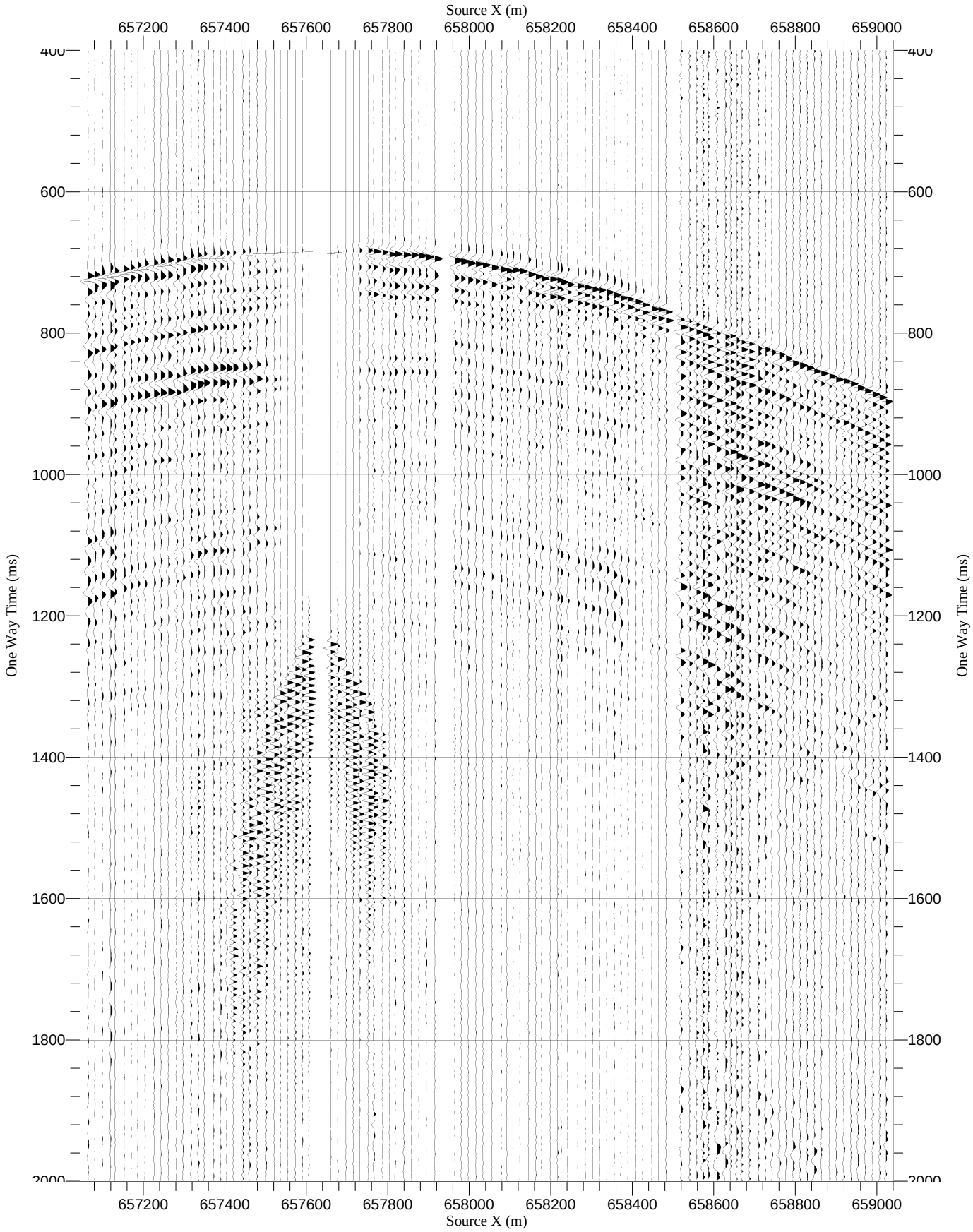
RawStack Z VSI-2	Normalization Trace by Trace (200%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



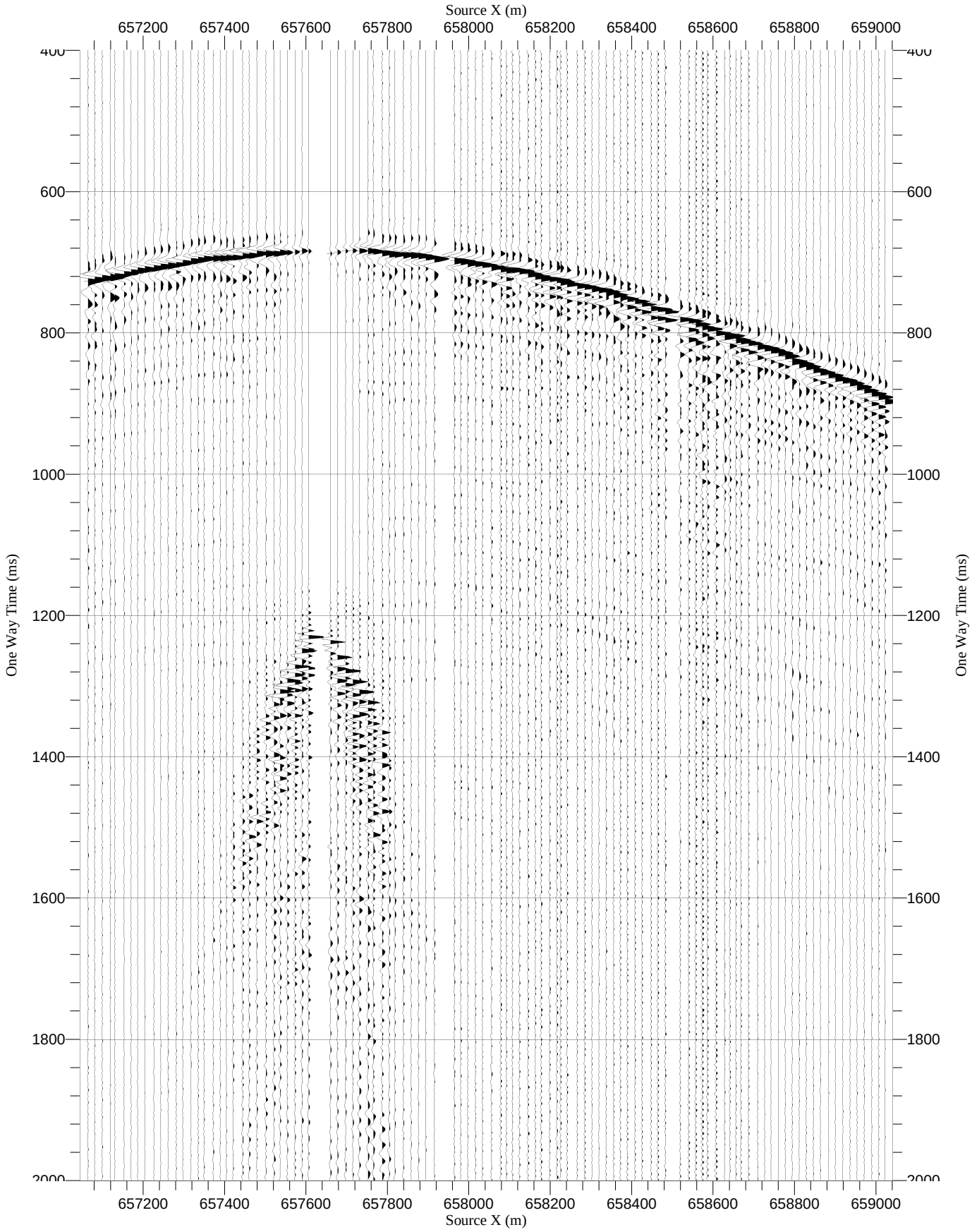
RawStack Y VSI-2	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



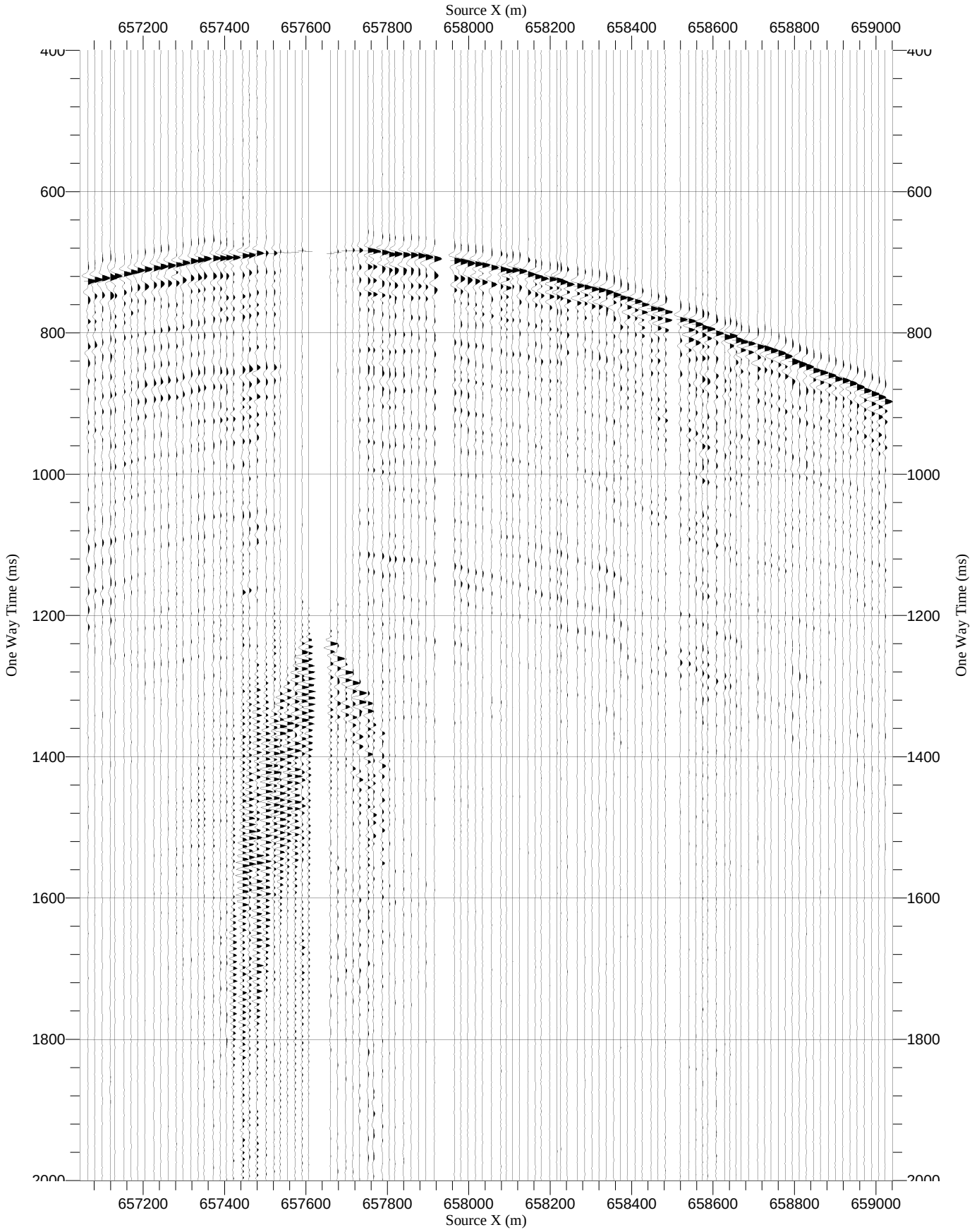
RawStack X VSI-2	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



RawStack TRY VSI-2	Normalization Trace by Trace (200%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



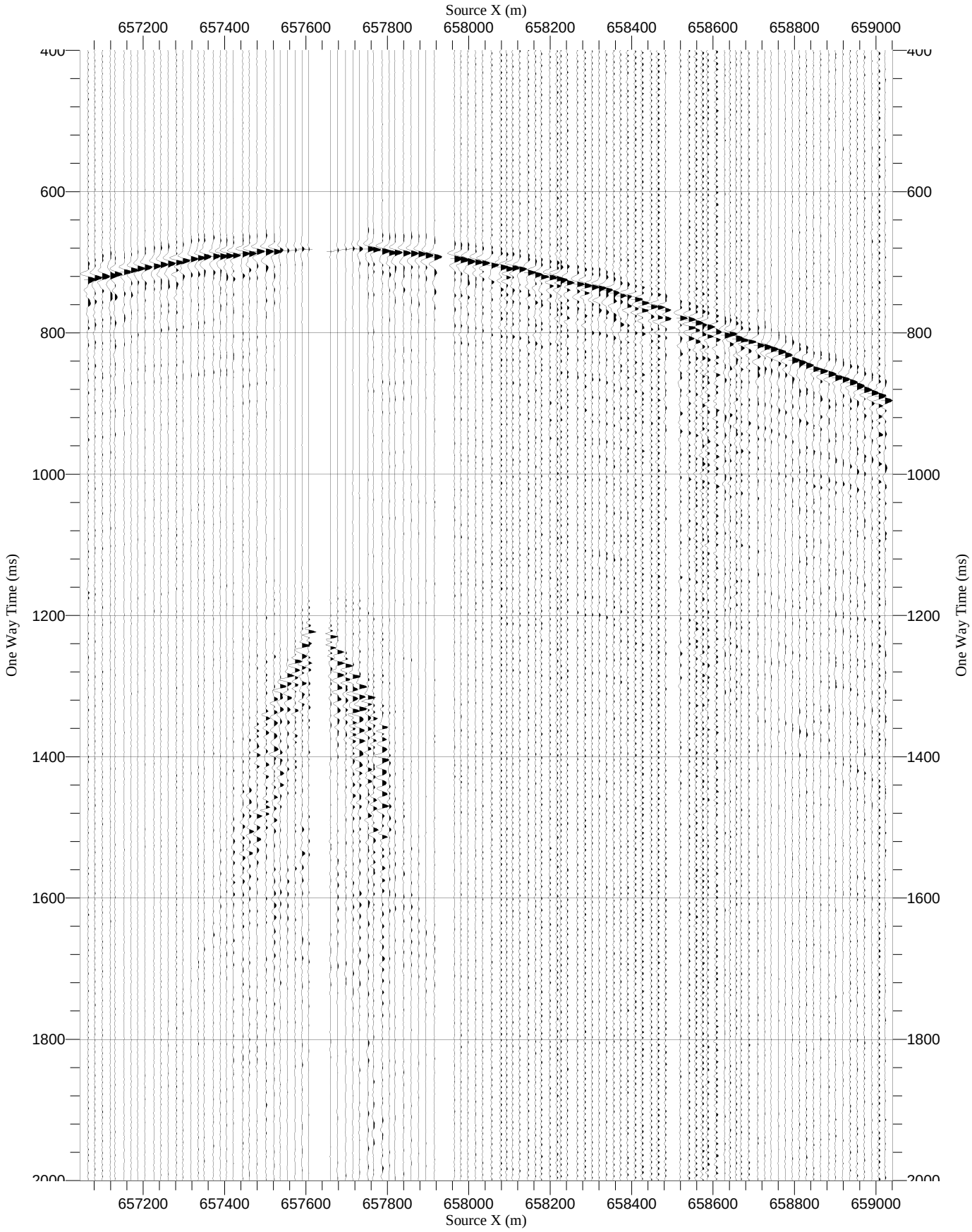
RawStack HMX VSI-2	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



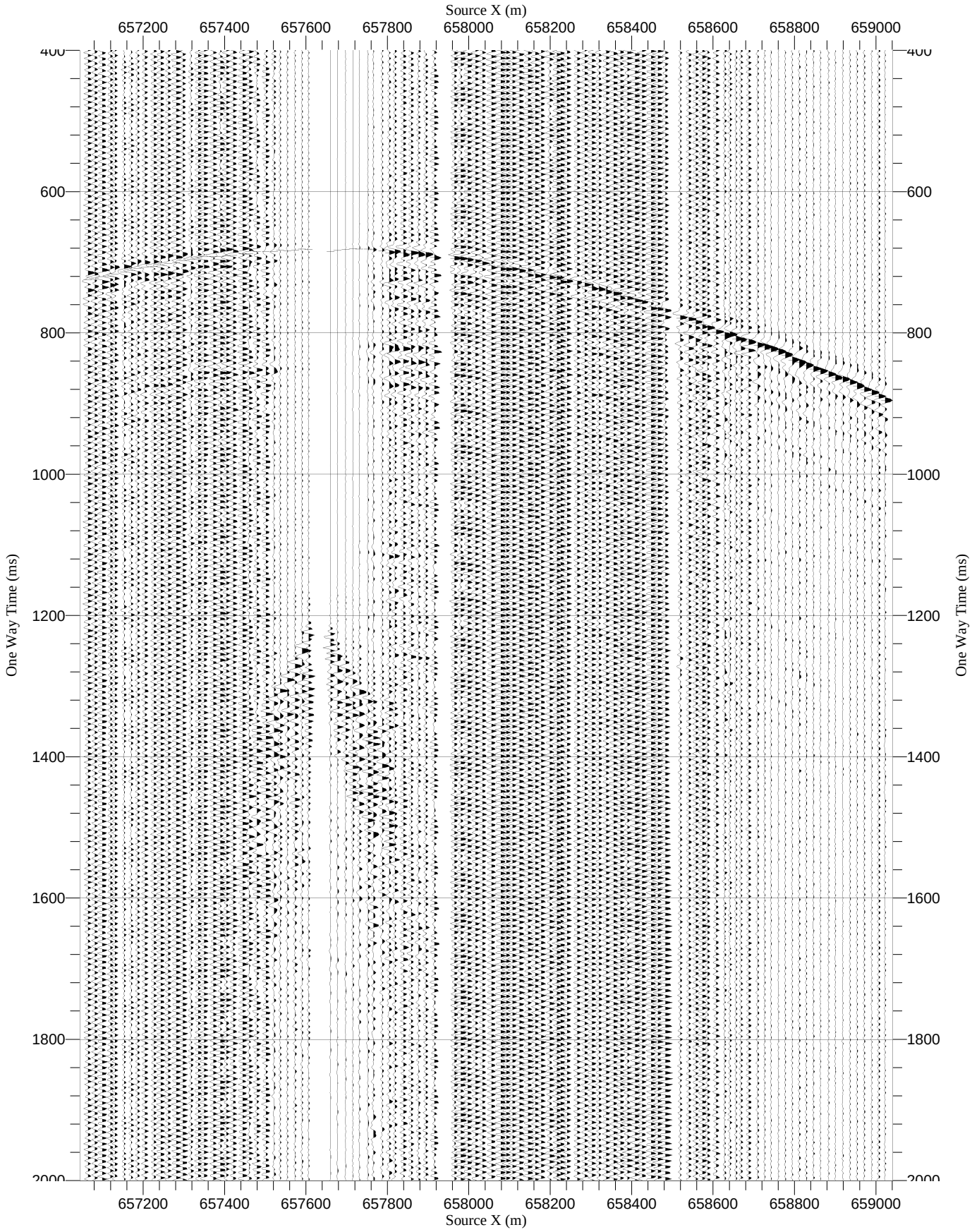
VSI-1

(1730 m receiver gather WVSP Line-A)

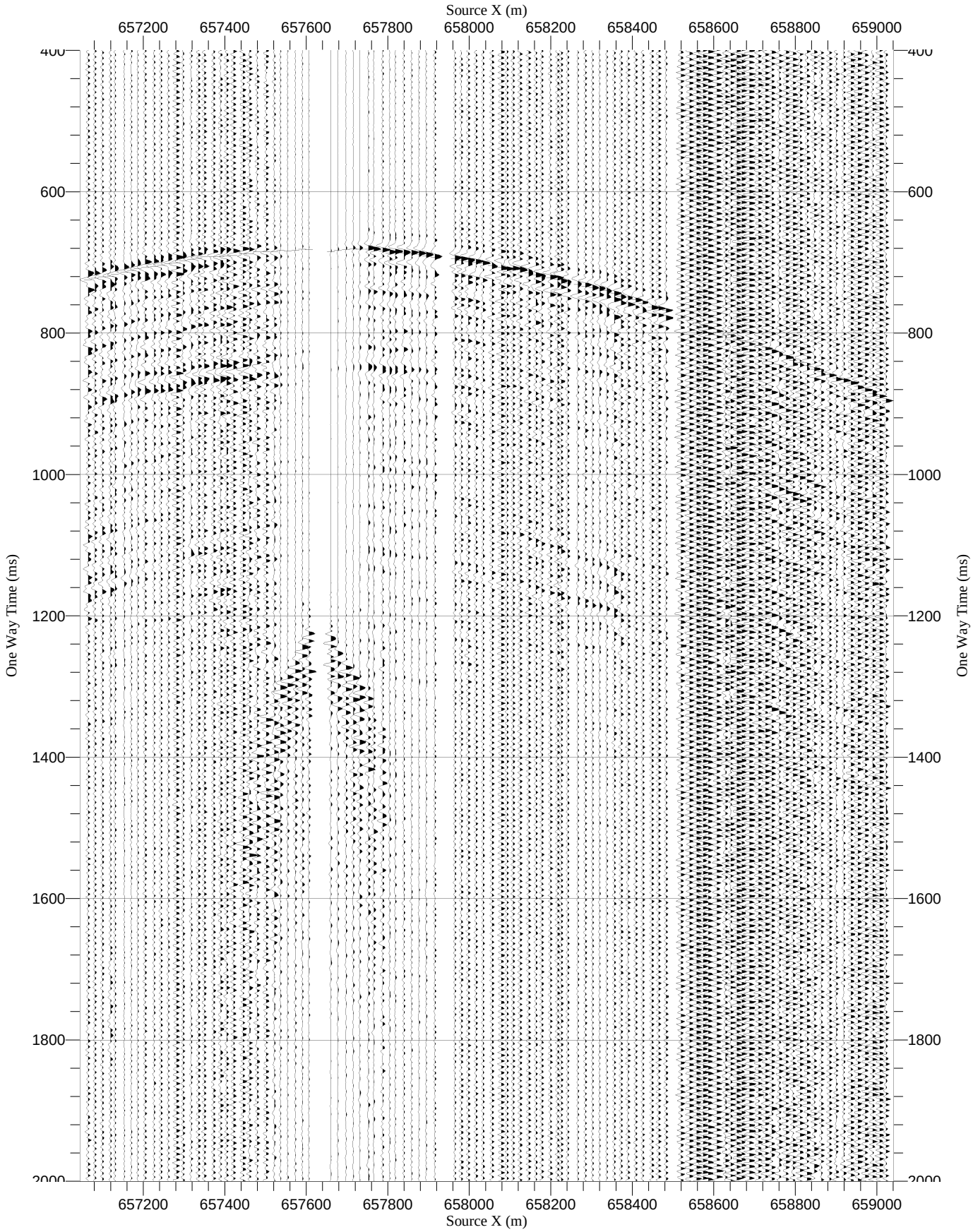
RawStack Z VSI-1	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100



RawStack Y VSI-1	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	

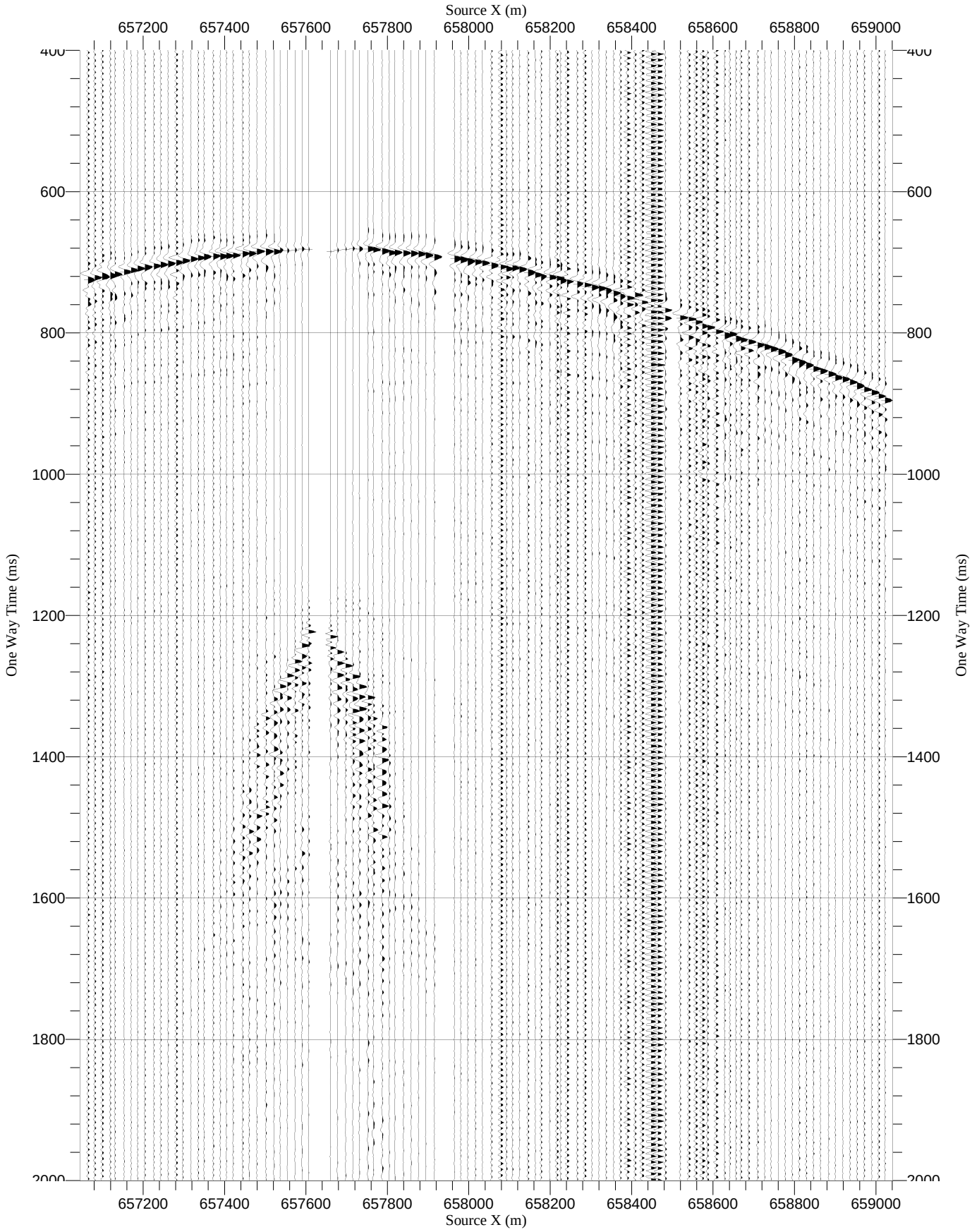


RawStack X VSI-1	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



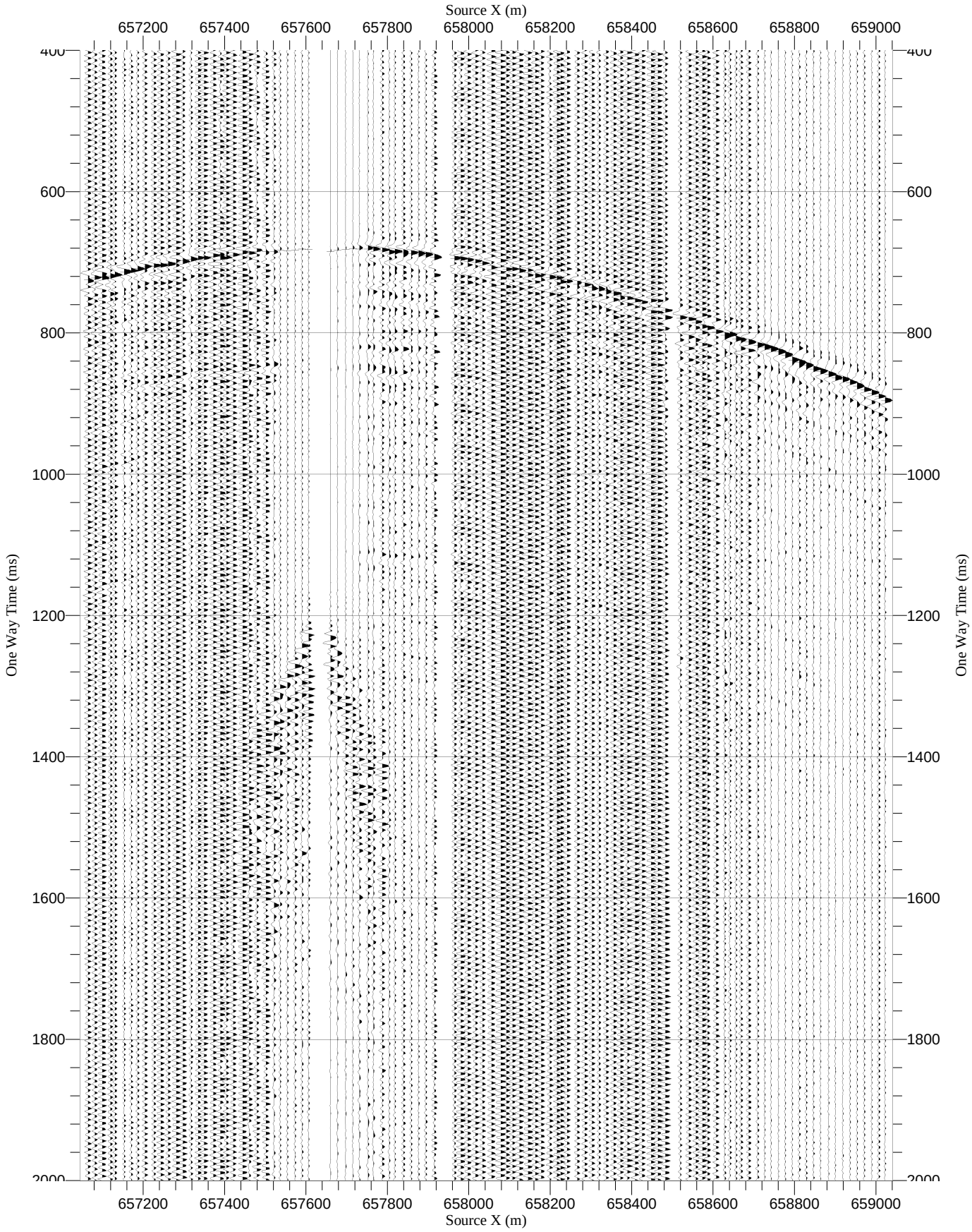
Schlumberger

RawStack TRY VSI-1	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	



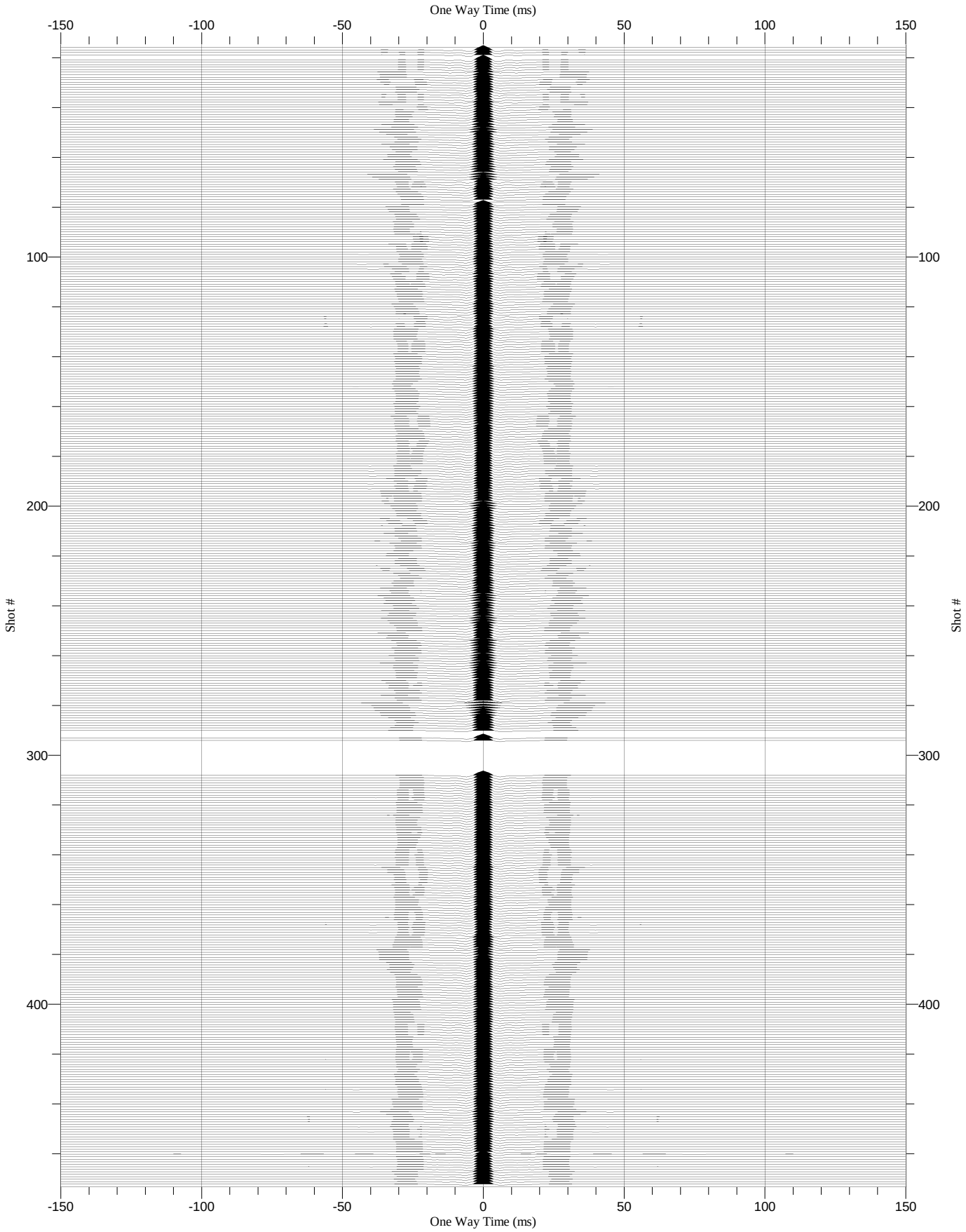
Schlumberger

RawStack HMX VSI-1	Normalization Trace by Trace (100%) Polarity Normal One Way Time (ms) Scaling 13.2 cm/sec, 1/13100	

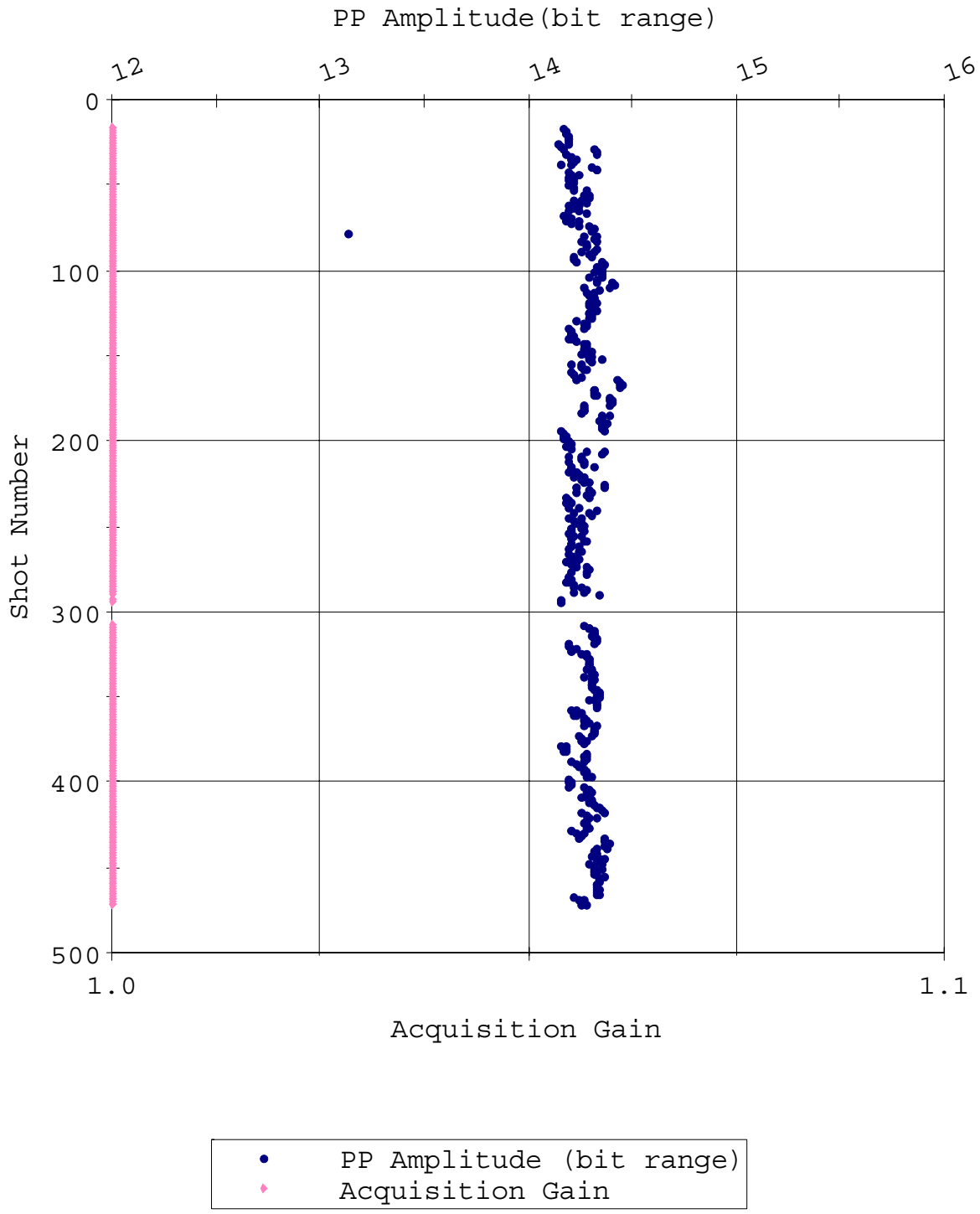


Source Signature QC Report
WVSP Line-A

Source Sensor Signature	Normalization Largest Trace in Gather (200%) Polarity Normal One Way Time (ms) Scaling 53.14 cm/sec, 21.28/cm	



Amplitude QC Plot (Surface)



Shot and Observer Report
WVSP Line-A

Observer's Note (1/9)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Line	Remarks
1800.0	08:00:37	SHAK	1			
1800.0	08:02:12	BKGD	2			
1800.0	08:03:15	ENLO	3			
1800.0	08:03:55	ENHI	4			
1800.0	08:04:21	ETHD	5			
1800.0	08:04:52	DRNG	6			
1800.0	08:05:23	GA02	7			
1800.0	08:05:39	GA04	8			
1800.0	08:05:56	GA08	9			
1800.0	08:06:12	GA16	10			
1800.0	08:06:28	GA32	11			
1800.0	08:07:00	XTLK	12			
1800.0	08:07:37	XTLK	13			
1800.0	08:08:13	XTLK	14			
1800.0	08:08:49	EIMP	15			
1800.0	08:10:37	SHOT	16	1	1	Miss fire
1800.0	08:11:13	SHOT	17	1	1	good
1800.0	08:12:45	SHOT	18	1	1	noise at sweep
1800.0	08:13:29	SHOT	19	1	1	St2001 Riging noise
1800.0	08:16:55	SHAK	20			
1750.0	08:21:59	SHOT	21	2	1	st 2001
1750.0	08:24:47	SHOT	22	2	1	
1900.0	08:41:51	SHOT	23	3	1	st 2001
1900.0	08:43:14	SHOT	24	3	1	
1900.0	08:43:58	SHOT	25	3	1	
1900.0	08:45:41	SHOT	26	4	1	st2002
1900.0	08:46:30	SHOT	27	4	1	
1900.0	08:47:07	SHOT	28	4	1	
1900.0	08:48:21	SHOT	29	5	1	st 2003
1900.0	08:49:27	SHOT	30	5	1	
1900.0	08:50:02	SHOT	31	5	1	
1900.0	08:51:15	SHOT	32	6	1	
1900.0	08:52:09	SHOT	33	6	1	
1900.0	08:52:48	SHOT	34	6	1	
1800.0	09:04:46	SHOT	35	7	1	st 2001
1800.0	09:05:32	SHOT	36	7	1	
1800.0	09:06:07	SHOT	37	7	1	
1800.0	09:07:28	SHOT	38	8	1	st2002
1800.0	09:08:44	SHOT	39	9	1	st2003
1800.0	09:09:30	SHOT	40	9	1	
1800.0	09:10:30	SHOT	41	9	1	
1800.0	09:12:17	SHOT	42	10	1	st 2004
1800.0	09:12:55	SHOT	43	10	1	
1800.0	09:13:41	SHOT	44	10	1	
1800.0	09:15:05	SHOT	45	11	1	st2005
1800.0	09:15:52	SHOT	46	11	1	
1800.0	09:19:13	SHOT	47	12	1	st2006
1800.0	09:19:59	SHOT	48	12	1	
1800.0	09:23:12	SHOT	49	13	1	st20055 fillin bet 2005 2006
1800.0	09:23:49	SHOT	50	13	1	
1800.0	09:24:57	SHOT	51	14	1	st 2007
1800.0	09:25:33	SHOT	52	14	1	
1800.0	09:26:35	SHOT	53	15	1	st 2008
1800.0	09:27:15	SHOT	54	15	1	
1800.0	09:28:23	SHOT	55	16	1	st2009
1800.0	09:28:57	SHOT	56	16	1	
1800.0	09:29:36	SHOT	57	16	1	
1800.0	09:30:49	SHOT	58	17	1	st 2010
1800.0	09:31:29	SHOT	59	17	1	

Observer's Note (2/9)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Line	Remarks
1800.0	09:32:17	SHOT	60	17	1	
1800.0	09:33:25	SHOT	61	18	1	st 2011
1800.0	09:34:04	SHOT	62	18	1	
1800.0	09:34:42	SHOT	63	18	1	
1800.0	09:36:19	SHOT	64	19	1	st 2012
1800.0	09:37:00	SHOT	65	19	1	
1800.0	09:37:37	SHOT	66	19	1	
1800.0	09:38:49	SHOT	67	20	1	st 2013
1800.0	09:39:25	SHOT	68	20	1	
1800.0	09:40:06	SHOT	69	20	1	
1800.0	09:41:57	SHOT	70	21	1	ST2014
1800.0	09:42:34	SHOT	71	21	1	
1800.0	09:43:09	SHOT	72	21	1	
1800.0	09:45:39	SHOT	73	22	1	ST 2017 SKIP 2015/16
1800.0	09:46:16	SHOT	74	22	1	
1800.0	09:46:51	SHOT	75	22	1	
1800.0	10:24:19	SHOT	76	23	1	ST 2018
1800.0	10:25:10	SHOT	77	23	1	
1800.0	10:25:44	SHOT	78	23	1	MIS FIRE
1800.0	10:26:40	SHOT	79	23	1	
1800.0	10:29:35	SHOT	80	24	1	ST 2019
1800.0	10:30:12	SHOT	81	24	1	
1800.0	10:30:47	SHOT	82	24	1	
1800.0	10:31:54	SHOT	83	25	1	ST 2020
1800.0	10:32:28	SHOT	84	25	1	
1800.0	10:33:02	SHOT	85	25	1	
1800.0	10:34:09	SHOT	86	26	1	ST 2021
1800.0	10:34:46	SHOT	87	26	1	
1800.0	10:35:21	SHOT	88	26	1	
1800.0	10:36:28	SHOT	89	27	1	ST 2022
1800.0	10:37:03	SHOT	90	27	1	
1800.0	10:37:37	SHOT	91	27	1	
1800.0	10:38:53	SHOT	92	28	1	ST 2023
1800.0	10:39:33	SHOT	93	28	1	
1800.0	10:40:08	SHOT	94	28	1	
1800.0	10:41:27	SHOT	95	29	1	ST 2024
1800.0	10:42:02	SHOT	96	29	1	
1800.0	10:42:38	SHOT	97	29	1	
1800.0	10:43:51	SHOT	98	30	1	ST 2025
1800.0	10:44:26	SHOT	99	30	1	
1800.0	10:45:01	SHOT	100	30	1	
1800.0	10:46:04	SHOT	101	31	1	ST 2026
1800.0	10:46:41	SHOT	102	31	1	
1800.0	10:47:15	SHOT	103	31	1	
1800.0	10:48:21	SHOT	104	32	1	ST 2027
1800.0	10:49:03	SHOT	105	32	1	
1800.0	10:49:37	SHOT	106	32	1	
1800.0	10:50:54	SHOT	107	33	1	ST 2028
1800.0	10:51:37	SHOT	108	33	1	
1800.0	10:52:11	SHOT	109	33	1	
1800.0	10:53:15	SHOT	110	34	1	ST 2029
1800.0	10:53:49	SHOT	111	34	1	
1800.0	10:54:34	SHOT	112	34	1	
1800.0	10:55:38	SHOT	113	35	1	ST 2030
1800.0	10:56:13	SHOT	114	35	1	
1800.0	10:56:48	SHOT	115	35	1	
1800.0	10:57:57	SHOT	116	36	1	ST 2031
1800.0	10:58:32	SHOT	117	36	1	
1800.0	10:59:07	SHOT	118	36	1	

Observer's Note (3/9)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Line	Remarks
1800.0	11:00:14	SHOT	119	37	1	ST 2032
1800.0	11:00:49	SHOT	120	37	1	
1800.0	11:01:25	SHOT	121	37	1	
1800.0	11:02:11	SHOT	122	37	1	
1800.0	11:02:47	SHOT	123	37	1	
1800.0	11:05:09	SHOT	124	38	1	st 2033
1800.0	11:05:45	SHOT	125	38	1	
1800.0	11:06:20	SHOT	126	38	1	
1800.0	11:06:56	SHOT	127	38	1	
1800.0	11:07:32	SHOT	128	38	1	
1800.0	11:22:51	SHOT	129	39	1	ST 2034
1800.0	11:23:32	SHOT	130	39	1	
1800.0	11:24:07	SHOT	131	39	1	
1800.0	11:24:43	SHOT	132	39	1	
1800.0	11:25:19	SHOT	133	39	1	
1800.0	11:27:40	SHOT	134	40	1	ST 2035
1800.0	11:28:15	SHOT	135	40	1	
1800.0	11:28:49	SHOT	136	40	1	
1800.0	11:29:24	SHOT	137	40	1	
1800.0	11:29:59	SHOT	138	40	1	
1800.0	11:31:18	SHOT	139	41	1	st 2036
1800.0	11:31:55	SHOT	140	41	1	
1800.0	11:32:37	SHOT	141	41	1	
1800.0	11:33:11	SHOT	142	41	1	
1800.0	11:33:45	SHOT	143	41	1	
1800.0	11:34:49	SHOT	144	42	1	ST 2037
1800.0	11:35:26	SHOT	145	42	1	
1800.0	11:36:01	SHOT	146	42	1	
1800.0	11:36:42	SHOT	147	42	1	
1800.0	11:37:20	SHOT	148	42	1	
1800.0	11:38:25	SHOT	149	43	1	sT 2038
1800.0	11:39:00	SHOT	150	43	1	
1800.0	11:39:33	SHOT	151	43	1	
1800.0	11:40:08	SHOT	152	43	1	
1800.0	11:40:44	SHOT	153	43	1	
1800.0	11:41:55	SHOT	154	44	1	sT 2039
1800.0	11:42:30	SHOT	155	44	1	
1800.0	11:43:07	SHOT	156	44	1	
1800.0	11:43:41	SHOT	157	44	1	
1800.0	11:44:16	SHOT	158	44	1	
1800.0	11:45:25	SHOT	159	45	1	st 2040
1800.0	11:46:02	SHOT	160	45	1	
1800.0	11:46:38	SHOT	161	45	1	
1800.0	11:47:11	SHOT	162	45	1	
1800.0	11:47:46	SHOT	163	45	1	
1800.0	11:48:50	SHOT	164	46	1	ST 2041
1800.0	11:49:25	SHOT	165	46	1	
1800.0	11:49:59	SHOT	166	46	1	
1800.0	11:50:33	SHOT	167	46	1	
1800.0	11:51:08	SHOT	168	46	1	
1800.0	11:52:12	SHOT	169	47	1	st 2042
1800.0	11:52:49	SHOT	170	47	1	
1800.0	11:53:23	SHOT	171	47	1	
1800.0	11:53:57	SHOT	172	47	1	
1800.0	11:54:30	SHOT	173	47	1	
1800.0	11:55:42	SHOT	174	48	1	st 2043
1800.0	11:56:18	SHOT	175	48	1	
1800.0	11:56:52	SHOT	176	48	1	
1800.0	11:57:26	SHOT	177	48	1	

Observer's Note (4/9)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Line	Remarks
1800.0	11:58:01	SHOT	178	48	1	
1800.0	11:59:18	SHOT	179	49	1	st 2044
1800.0	11:59:59	SHOT	180	49	1	
1800.0	12:00:37	SHOT	181	49	1	
1800.0	12:01:11	SHOT	182	49	1	
1800.0	12:01:52	SHOT	183	49	1	
1800.0	12:03:19	SHOT	184	50	1	sT 2045
1800.0	12:04:18	SHOT	185	50	1	
1800.0	12:04:55	SHOT	186	50	1	
1800.0	12:05:29	SHOT	187	50	1	
1800.0	12:06:05	SHOT	188	50	1	
1800.0	12:07:24	SHOT	189	51	1	st 2046
1800.0	12:08:00	SHOT	190	51	1	
1800.0	12:08:35	SHOT	191	51	1	
1800.0	12:09:09	SHOT	192	51	1	
1800.0	12:09:44	SHOT	193	51	1	
1800.0	12:28:36	SHOT	194	52	1	sT 1061
1800.0	12:29:28	SHOT	195	52	1	
1800.0	12:30:07	SHOT	196	52	1	
1800.0	12:32:28	SHOT	197	52	1	
1800.0	12:33:03	SHOT	198	52	1	
1800.0	12:39:36	SHOT	199	53	1	ST 1060
1800.0	12:40:19	SHOT	200	53	1	
1800.0	12:40:55	SHOT	201	53	1	
1800.0	12:42:19	SHOT	202	54	1	ST 1059
1800.0	12:42:56	SHOT	203	54	1	
1800.0	12:43:31	SHOT	204	54	1	
1800.0	12:44:52	SHOT	205	55	1	ST 1058
1800.0	12:45:29	SHOT	206	55	1	
1800.0	12:46:05	SHOT	207	55	1	
1800.0	12:47:17	SHOT	208	56	1	st 1057
1800.0	12:47:54	SHOT	209	56	1	
1800.0	12:48:29	SHOT	210	56	1	
1800.0	12:49:54	SHOT	211	57	1	ST 1056
1800.0	12:50:34	SHOT	212	57	1	
1800.0	12:51:08	SHOT	213	57	1	
1800.0	12:51:44	SHOT	214	57	1	
1800.0	12:55:52	SHOT	215	58	1	st 1055
1800.0	12:56:29	SHOT	216	58	1	
1800.0	12:57:03	SHOT	217	58	1	
1800.0	12:59:31	SHOT	218	59	1	st 1054
1800.0	13:00:07	SHOT	219	59	1	
1800.0	13:00:43	SHOT	220	59	1	
1800.0	13:02:04	SHOT	221	60	1	st 1053
1800.0	13:02:40	SHOT	222	60	1	
1800.0	13:03:18	SHOT	223	60	1	
1800.0	13:05:14	SHOT	224	61	1	ST 1052
1800.0	13:05:52	SHOT	225	61	1	
1800.0	13:06:28	SHOT	226	61	1	
1800.0	13:08:31	SHOT	227	62	1	ST 1051
1800.0	13:09:11	SHOT	228	62	1	
1800.0	13:09:46	SHOT	229	62	1	
1800.0	13:11:29	SHOT	230	63	1	st 1050
1800.0	13:12:04	SHOT	231	63	1	
1800.0	13:12:41	SHOT	232	63	1	
1800.0	13:14:57	SHOT	233	64	1	ST 1049
1800.0	13:15:44	SHOT	234	64	1	
1800.0	13:16:27	SHOT	235	64	1	
1800.0	13:18:12	SHOT	236	65	1	ST 1048

Observer's Note (5/9)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Line	Remarks
1800.0	13:18:47	SHOT	237	65	1	
1800.0	13:19:24	SHOT	238	65	1	
1800.0	13:20:35	SHOT	239	66	1	st 1047
1800.0	13:21:17	SHOT	240	66	1	
1800.0	13:21:52	SHOT	241	66	1	
1800.0	13:23:29	SHOT	242	67	1	ST 1046
1800.0	13:24:05	SHOT	243	67	1	
1800.0	13:24:39	SHOT	244	67	1	
1800.0	13:27:37	SHOT	245	68	1	st 1045
1800.0	13:28:12	SHOT	246	68	1	
1800.0	13:28:47	SHOT	247	68	1	
1800.0	13:30:00	SHOT	248	69	1	sT 1044
1800.0	13:30:36	SHOT	249	69	1	
1800.0	13:31:12	SHOT	250	69	1	
1800.0	13:32:24	SHOT	251	70	1	ST 1043
1800.0	13:32:59	SHOT	252	70	1	
1800.0	13:33:33	SHOT	253	70	1	
1800.0	13:34:47	SHOT	254	71	1	ST 1042
1800.0	13:35:23	SHOT	255	71	1	
1800.0	13:35:57	SHOT	256	71	1	
1800.0	13:37:43	SHOT	257	72	1	ST 1041
1800.0	13:38:18	SHOT	258	72	1	
1800.0	13:38:53	SHOT	259	72	1	
1800.0	13:41:30	SHOT	260	73	1	st 1040
1800.0	13:42:10	SHOT	261	73	1	
1800.0	13:42:44	SHOT	262	73	1	
1800.0	13:43:51	SHOT	263	74	1	1039
1800.0	13:44:28	SHOT	264	74	1	
1800.0	13:45:03	SHOT	265	74	1	
1800.0	13:46:13	SHOT	266	75	1	1038 noise vsi-8
1800.0	13:46:53	SHOT	267	75	1	
1800.0	13:47:28	SHOT	268	75	1	
1800.0	13:48:03	SHOT	269	75	1	
1800.0	13:49:21	SHOT	270	76	1	1037
1800.0	13:49:57	SHOT	271	76	1	
1800.0	13:50:40	SHOT	272	76	1	
1800.0	13:51:48	SHOT	273	77	1	1036
1800.0	13:52:26	SHOT	274	77	1	
1800.0	13:53:01	SHOT	275	77	1	
1800.0	13:55:54	SHOT	276	78	1	1035
1800.0	13:56:31	SHOT	277	78	1	
1800.0	13:57:06	SHOT	278	78	1	
1800.0	14:00:00	SHOT	279	79	1	1034
1800.0	14:00:42	SHOT	280	79	1	
1800.0	14:01:18	SHOT	281	79	1	
1800.0	14:03:05	SHOT	282	80	1	1033
1800.0	14:03:40	SHOT	283	80	1	
1800.0	14:04:20	SHOT	284	80	1	
1800.0	14:05:29	SHOT	285	81	1	1032
1800.0	14:06:09	SHOT	286	81	1	
1800.0	14:06:44	SHOT	287	81	1	
1800.0	14:08:06	SHOT	288	82	1	1031
1800.0	14:08:43	SHOT	289	82	1	
1800.0	14:09:23	SHOT	290	82	1	
1800.0	06:01:00	SHAK	291			
1800.0	06:01:58	BKGD	292			
1800.0	06:02:50	SHOT	293	83	1	dummy 2001
1800.0	06:03:48	SHOT	294	83	1	
1800.0	06:07:00	ENLO	295			

Observer's Note (6/9)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Line	Remarks
1800.0	06:07:40	ENHI	296			
1800.0	06:08:05	ETHD	297			
1800.0	06:08:37	DRNG	298			
1800.0	06:09:08	GA02	299			
1800.0	06:09:24	GA04	300			
1800.0	06:09:41	GA08	301			
1800.0	06:09:57	GA16	302			
1800.0	06:10:14	GA32	303			
1800.0	06:10:45	XTLK	304			
1800.0	06:11:22	XTLK	305			
1800.0	06:11:59	XTLK	306			
1800.0	06:12:34	EIMP	307			
1800.0	06:40:09	SHOT	308	84	1	st 2048
1800.0	06:40:59	SHOT	309	84	1	
1800.0	06:41:36	SHOT	310	84	1	
1800.0	06:42:11	SHOT	311	84	1	
1800.0	06:42:47	SHOT	312	84	1	
1800.0	06:43:58	SHOT	313	84	1	
1800.0	06:45:54	SHOT	314	85	1	2049
1800.0	06:46:39	SHOT	315	85	1	
1800.0	06:47:14	SHOT	316	85	1	
1800.0	06:47:50	SHOT	317	85	1	
1800.0	06:48:25	SHOT	318	85	1	
1800.0	06:51:34	SHOT	319	86	1	2050
1800.0	06:52:13	SHOT	320	86	1	
1800.0	06:52:50	SHOT	321	86	1	
1800.0	06:53:32	SHOT	322	86	1	
1800.0	06:54:06	SHOT	323	86	1	
1800.0	06:55:47	SHOT	324	87	1	2051
1800.0	06:56:34	SHOT	325	87	1	
1800.0	06:57:08	SHOT	326	87	1	
1800.0	06:57:42	SHOT	327	87	1	
1800.0	06:58:17	SHOT	328	87	1	
1800.0	06:58:51	SHOT	329	87	1	
1800.0	06:59:26	SHOT	330	87	1	
1800.0	07:00:56	SHOT	331	88	1	2052
1800.0	07:01:30	SHOT	332	88	1	
1800.0	07:02:05	SHOT	333	88	1	
1800.0	07:02:40	SHOT	334	88	1	
1800.0	07:03:13	SHOT	335	88	1	
1800.0	07:03:49	SHOT	336	88	1	
1800.0	07:04:25	SHOT	337	88	1	
1800.0	07:05:47	SHOT	338	89	1	2053
1800.0	07:06:21	SHOT	339	89	1	
1800.0	07:06:56	SHOT	340	89	1	
1800.0	07:07:30	SHOT	341	89	1	
1800.0	07:08:04	SHOT	342	89	1	
1800.0	07:08:39	SHOT	343	89	1	
1800.0	07:09:12	SHOT	344	89	1	
1800.0	07:10:22	SHOT	345	90	1	2054
1800.0	07:10:57	SHOT	346	90	1	
1800.0	07:11:31	SHOT	347	90	1	
1800.0	07:12:06	SHOT	348	90	1	
1800.0	07:12:40	SHOT	349	90	1	
1800.0	07:13:15	SHOT	350	90	1	
1800.0	07:13:49	SHOT	351	90	1	
1800.0	07:15:00	SHOT	352	91	1	2055
1800.0	07:15:34	SHOT	353	91	1	
1800.0	07:16:08	SHOT	354	91	1	

Observer's Note (7/9)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Line	Remarks
1800.0	07:16:42	SHOT	355	91	1	
1800.0	07:17:16	SHOT	356	91	1	
1800.0	07:18:39	SHOT	357	92	1	2056
1800.0	07:19:18	SHOT	358	92	1	
1800.0	07:19:52	SHOT	359	92	1	
1800.0	07:20:25	SHOT	360	92	1	
1800.0	07:20:59	SHOT	361	92	1	
1800.0	07:22:20	SHOT	362	93	1	2057
1800.0	07:22:55	SHOT	363	93	1	
1800.0	07:23:29	SHOT	364	93	1	
1800.0	07:24:03	SHOT	365	93	1	
1800.0	07:24:37	SHOT	366	93	1	
1800.0	07:31:13	SHOT	367	94	1	2058
1800.0	07:31:50	SHOT	368	94	1	VIS-6 Noise Y
1800.0	07:32:26	SHOT	369	94	1	
1800.0	07:33:00	SHOT	370	94	1	
1800.0	07:33:35	SHOT	371	94	1	
1800.0	07:34:09	SHOT	372	94	1	
1800.0	07:41:40	SHOT	373	95	1	2059
1800.0	07:42:17	SHOT	374	95	1	
1800.0	07:42:53	SHOT	375	95	1	
1800.0	07:43:30	SHOT	376	95	1	
1800.0	07:44:05	SHOT	377	95	1	
1800.0	07:45:13	SHOT	378	96	1	2060
1800.0	07:45:51	SHOT	379	96	1	
1800.0	07:46:40	SHOT	380	96	1	
1800.0	07:47:14	SHOT	381	96	1	
1800.0	07:47:49	SHOT	382	96	1	
1800.0	08:18:41	SHOT	383	97	1	2061
1800.0	08:19:18	SHOT	384	97	1	
1800.0	08:19:52	SHOT	385	97	1	
1800.0	08:20:27	SHOT	386	97	1	
1800.0	08:21:02	SHOT	387	97	1	
1800.0	08:27:01	SHOT	388	98	1	2062
1800.0	08:27:37	SHOT	389	98	1	
1800.0	08:28:13	SHOT	390	98	1	
1800.0	08:28:51	SHOT	391	98	1	
1800.0	08:29:25	SHOT	392	98	1	
1800.0	08:32:10	SHOT	393	99	1	2063
1800.0	08:32:48	SHOT	394	99	1	
1800.0	08:33:23	SHOT	395	99	1	
1800.0	08:33:58	SHOT	396	99	1	
1800.0	08:34:33	SHOT	397	99	1	
1800.0	08:36:27	SHOT	398	100	1	2064
1800.0	08:37:06	SHOT	399	100	1	
1800.0	08:37:39	SHOT	400	100	1	
1800.0	08:38:13	SHOT	401	100	1	
1800.0	08:38:48	SHOT	402	100	1	
1800.0	08:44:45	SHOT	403	101	1	2065
1800.0	08:45:24	SHOT	404	101	1	
1800.0	08:45:58	SHOT	405	101	1	
1800.0	08:46:32	SHOT	406	101	1	
1800.0	08:47:06	SHOT	407	101	1	
1800.0	08:48:21	SHOT	408	102	1	2066
1800.0	08:49:00	SHOT	409	102	1	
1800.0	08:49:34	SHOT	410	102	1	
1800.0	08:50:08	SHOT	411	102	1	
1800.0	08:50:43	SHOT	412	102	1	
1800.0	08:54:37	SHOT	413	103	1	2067

Observer's Note (8/9)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Line	Remarks
1800.0	08:55:14	SHOT	414	103	1	
1800.0	08:55:47	SHOT	415	103	1	
1800.0	08:56:23	SHOT	416	103	1	
1800.0	08:57:00	SHOT	417	103	1	
1800.0	08:58:15	SHOT	418	104	1	2068
1800.0	08:58:50	SHOT	419	104	1	
1800.0	08:59:25	SHOT	420	104	1	
1800.0	09:00:01	SHOT	421	104	1	
1800.0	09:00:36	SHOT	422	104	1	
1800.0	09:01:56	SHOT	423	105	1	2069
1800.0	09:02:33	SHOT	424	105	1	
1800.0	09:03:07	SHOT	425	105	1	
1800.0	09:03:41	SHOT	426	105	1	
1800.0	09:04:15	SHOT	427	105	1	
1800.0	09:05:27	SHOT	428	106	1	2070
1800.0	09:06:03	SHOT	429	106	1	
1800.0	09:06:38	SHOT	430	106	1	
1800.0	09:07:15	SHOT	431	106	1	
1800.0	09:07:51	SHOT	432	106	1	
1800.0	09:10:08	SHOT	433	107	1	2071
1800.0	09:10:46	SHOT	434	107	1	
1800.0	09:11:20	SHOT	435	107	1	
1800.0	09:11:54	SHOT	436	107	1	
1800.0	09:12:28	SHOT	437	107	1	
1800.0	09:13:52	SHOT	438	108	1	2072
1800.0	09:14:27	SHOT	439	108	1	
1800.0	09:15:01	SHOT	440	108	1	
1800.0	09:15:36	SHOT	441	108	1	
1800.0	09:16:10	SHOT	442	108	1	
1800.0	09:18:36	SHOT	443	109	1	2073
1800.0	09:19:19	SHOT	444	109	1	
1800.0	09:19:59	SHOT	445	109	1	
1800.0	09:20:52	SHOT	446	109	1	
1800.0	09:21:26	SHOT	447	109	1	
1800.0	09:23:01	SHOT	448	110	1	2074
1800.0	09:23:39	SHOT	449	110	1	
1800.0	09:24:24	SHOT	450	110	1	
1800.0	09:25:39	SHOT	451	110	1	
1800.0	09:26:13	SHOT	452	110	1	
1800.0	09:26:48	SHOT	453	110	1	
1800.0	09:28:08	SHOT	454	111	1	2075
1800.0	09:28:59	SHOT	455	111	1	
1800.0	09:29:36	SHOT	456	111	1	
1800.0	09:30:17	SHOT	457	111	1	
1800.0	09:30:51	SHOT	458	111	1	
1800.0	09:31:24	SHOT	459	111	1	
1800.0	09:32:15	SHOT	460	111	1	REJECT
1800.0	09:34:02	SHOT	461	112	1	2076
1800.0	09:34:50	SHOT	462	112	1	
1800.0	09:35:25	SHOT	463	112	1	
1800.0	09:36:07	SHOT	464	112	1	
1800.0	09:36:46	SHOT	465	112	1	
1800.0	09:37:28	SHOT	466	112	1	
1800.0	09:40:35	SHOT	467	113	1	2077
1800.0	09:41:41	SHOT	468	113	1	
1800.0	09:42:18	SHOT	469	113	1	
1800.0	09:42:53	SHOT	470	113	1	
1800.0	09:43:28	SHOT	471	113	1	
1800.0	09:44:08	SHOT	472	113	1	

Observer's Note (9/9)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Line	Remarks
1800.0	09:48:53	SHAK	473			
1800.0	09:53:02	ENLO	474			
1800.0	09:53:42	ENHI	475			
1800.0	09:54:07	ETHD	476			
1800.0	09:54:39	DRNG	477			
1800.0	09:55:11	GA02	478			
1800.0	09:55:27	GA04	479			
1800.0	09:55:43	GA08	480			
1800.0	09:55:59	GA16	481			
1800.0	09:56:16	GA32	482			
1800.0	09:56:48	XTLK	483			
1800.0	09:57:24	XTLK	484			
1800.0	09:58:01	XTLK	485			
1800.0	09:58:37	EIMP	486			

Naylor WVSP Station List

Surevy done by Paul Crowe Licensed Surveyor
Box 6094
HWTHORN 3122
Ph/Fax 03 9815 293 Mob 0419515422
crowe@ansonic.com.au

Projection type: Map Grid Australia 94 Zone 54
Distance Units: Meters

Line-A

Station No	Easting	Northing	Elevation	Remarks
1061	657609.262	5733856.756	46.223	
1060	657590.525	5733864.055	46.199	
1059	657572.631	5733872.391	46.451	
1058	657554.515	5733880.793	46.798	
1057	657536.274	5733888.496	46.865	
1056	657518.003	5733895.709	47.213	
1055	657501.983	5733906.034	47.033	
1054	657480.922	5733911.572	47.279	
1053	657461.706	5733918.36	47.572	
1052	657444.129	5733927.705	47.897	
1051	657424.177	5733934.056	48.032	
1050	657406.902	5733940.48	47.969	
1049	657388.129	5733948.619	47.88	
1048	657369.385	5733957.585	47.819	
1047	657351.856	5733964.657	47.843	
1046	657333.43	5733972.646	47.98	
1045	657315.407	5733982.235	48.08	
1044	657296.889	5733990.916	48.425	
1043	657279.553	5733999.267	48.527	
1042	657261.299	5734007.703	48.452	
1041	657243.099	5734017.938	48.518	
1040	657224.791	5734025.044	48.624	
1039	657206.654	5734033.366	48.668	
1038	657188.52	5734041.872	48.848	
1037	657170.65	5734050.144	49.031	
1036	657152.401	5734058.464	49.411	
1035	657134.111	5734066.675	49.449	
1034	657117.75	5734076.889	49.45	
1033	657097.727	5734083.414	49.278	
1032	657079.504	5734092.327	49.625	
1031	657061.843	5734100.083	49.592	
2001	657660.153	5733838.688	46.136	
2002	657677.537	5733830.608	45.971	
2003	657697	5733821	46	fill by Handheld GPS
2004	657713.43	5733812.91	45.552	GPS survey reported 2003
2005	657729.893	5733802.602	45.465	GPS survey reported 2004
20055	657749.549	5733795.253	45.17	GPS survey reported 2005
2006	657766.639	5733786.528	45.2	
2007	657785.495	5733777.796	45.314	
2008	657802.676	5733769.201	45.221	Zero-Offset VSP
2009	657821.329	5733759.901	45.023	
2010	657838.701	5733750.55	44.91	
2011	657856.501	5733741.324	44.729	
2012	657874.716	5733732.665	44.617	
2013	657892.735	5733724.397	44.494	
2014	657912.517	5733714.96	44.839	
2017	657964.609	5733689.009	44.584	
2018	657979.849	5733679.857	44.631	

2019	657999.569	5733671.652	44.944	
2020	658017.634	5733661.437	45.028	
20202	658017.634	5733661.437	45.028	same as 2020
2021	658035.525	5733654.556	44.9	
2022	658055.452	5733644.013	44.965	
2023	658071.254	5733635.306	44.989	
2024	658089.754	5733626.836	45.471	
2025	658107.906	5733616.996	45.075	
2026	658125.59	5733607.51	44.658	
2027	658143.376	5733597.996	44.483	
2028	658160.034	5733588.435	44.363	
2029	658177.352	5733579.171	44.309	
2030	658195.097	5733569.893	43.913	
2031	658212.923	5733560.265	43.434	
2032	658230.218	5733550.141	43.045	
2033	658246.275	5733539.98	42.729	
2034	658264.452	5733530.497	42.144	
2035	658283.097	5733522.531	41.355	
2036	658301.583	5733514.565	40.948	
2037	658319.302	5733504.258	40.518	
2038	658336.189	5733494.519	40.29	
2039	658354.009	5733484.472	39.742	
2040	658371.586	5733474.846	39.705	
2041	658388.781	5733464.92	39.655	
2042	658405.988	5733455.591	39.365	
2043	658424.175	5733446.765	40.061	
2044	658446.038	5733436.067	40.11	
2045	658463.82	5733426.885	39.9	
2046	658482.157	5733416.813	39.891	
20462	658482.157	5733416.813	39.891	same as 2046
2047	658498.179	5733404.985	39.748	
2048	658514.998	5733396.042	39.438	
2049	658534.405	5733389.432	40.431	
2050	658552.097	5733380.051	41.298	
2051	658569.704	5733370.686	41.283	
2052	658587.314	5733360.998	40.859	
2053	658606.213	5733351.054	40.831	
2054	658624.205	5733341.276	39.801	
2055	658640.564	5733331.874	38.633	
2056	658657.581	5733322.272	37.965	
2057	658674.873	5733310.82	37.123	
2058	658689.316	5733302.838	36.826	
2059	658708.751	5733293.5	36.224	
2060	658726.304	5733283.721	35.487	
2061	658744.073	5733275.348	35.376	
2062	658762.162	5733264.589	35.182	
2063	658778.399	5733254.467	34.999	
2064	658796.265	5733244.848	34.902	
2065	658813.539	5733234.918	34.392	
2066	658830.786	5733224.86	34.178	
2067	658848.244	5733215.216	33.885	
2068	658865.447	5733205.897	33.28	
2069	658883.198	5733196.318	32.286	
2070	658900.625	5733186.458	32.243	
2071	658918.343	5733177.493	32.121	
2072	658936.213	5733168.296	31.595	
2073	658953.544	5733158.182	31.437	
2074	658971.239	5733148.547	31.213	
2075	658989.044	5733139.413	30.852	
2076	659006.647	5733129.81	30.308	
2077	659021.96	5733118.92	30.066	

VSI Tool Evaluation Test Report
WVSP Line-A

VSI Seismic Evaluation Report

ELECTRICAL NOISE LOW TEST

2006/05/15 09:33:15

Shot No: 3 **Station Depth: 1800.01 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
DC Offset	1	X	-25.4331	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	X	0.1294	micro V	-	0.5000	PASS
Noise Peak	1	X	0.4422	micro V	-	2.0000	PASS
DC Offset	1	Y	-25.3673	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Y	0.1323	micro V	-	0.5000	PASS
Noise Peak	1	Y	0.4902	micro V	-	2.0000	PASS
DC Offset	1	Z	-25.3907	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Z	0.1282	micro V	-	0.5000	PASS
Noise Peak	1	Z	0.4155	micro V	-	2.0000	PASS
DC Offset	2	X	-25.2360	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	X	0.1330	micro V	-	0.5000	PASS
Noise Peak	2	X	0.5275	micro V	-	2.0000	PASS
DC Offset	2	Y	-25.0986	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Y	0.1305	micro V	-	0.5000	PASS
Noise Peak	2	Y	0.4246	micro V	-	2.0000	PASS
DC Offset	2	Z	-25.3906	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Z	0.1296	micro V	-	0.5000	PASS
Noise Peak	2	Z	0.4620	micro V	-	2.0000	PASS
DC Offset	3	X	-25.3985	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	X	0.1354	micro V	-	0.5000	PASS
Noise Peak	3	X	0.4860	micro V	-	2.0000	PASS
DC Offset	3	Y	-25.3031	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Y	0.1372	micro V	-	0.5000	PASS
Noise Peak	3	Y	0.4387	micro V	-	2.0000	PASS
DC Offset	3	Z	-25.3771	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Z	0.1338	micro V	-	0.5000	PASS
Noise Peak	3	Z	0.5223	micro V	-	2.0000	PASS
DC Offset	4	X	-25.3068	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	X	0.1326	micro V	-	0.5000	PASS
Noise Peak	4	X	0.5262	micro V	-	2.0000	PASS
DC Offset	4	Y	-25.3466	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Y	0.1334	micro V	-	0.5000	PASS
Noise Peak	4	Y	0.4801	micro V	-	2.0000	PASS
DC Offset	4	Z	-25.3038	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Z	0.1352	micro V	-	0.5000	PASS
Noise Peak	4	Z	0.5890	micro V	-	2.0000	PASS
DC Offset	5	X	-25.2739	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	X	0.1328	micro V	-	0.5000	PASS
Noise Peak	5	X	0.4964	micro V	-	2.0000	PASS
DC Offset	5	Y	-25.3551	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Y	0.1292	micro V	-	0.5000	PASS
Noise Peak	5	Y	0.5048	micro V	-	2.0000	PASS
DC Offset	5	Z	-25.3358	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Z	0.1324	micro V	-	0.5000	PASS
Noise Peak	5	Z	0.6130	micro V	-	2.0000	PASS
DC Offset	6	X	-25.4187	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	X	0.1354	micro V	-	0.5000	PASS
Noise Peak	6	X	0.5113	micro V	-	2.0000	PASS
DC Offset	6	Y	-25.3470	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Y	0.1327	micro V	-	0.5000	PASS
Noise Peak	6	Y	0.4295	micro V	-	2.0000	PASS
DC Offset	6	Z	-25.3573	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Z	0.1307	micro V	-	0.5000	PASS
Noise Peak	6	Z	0.4958	micro V	-	2.0000	PASS
DC Offset	7	X	-25.3262	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	X	0.1351	micro V	-	0.5000	PASS
Noise Peak	7	X	0.5342	micro V	-	2.0000	PASS
DC Offset	7	Y	-25.2920	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Y	0.1339	micro V	-	0.5000	PASS
Noise Peak	7	Y	0.6228	micro V	-	2.0000	PASS
DC Offset	7	Z	-25.3408	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Z	0.1335	micro V	-	0.5000	PASS

Noise Peak	7	Z	0.4639	micro V	-	2.0000	PASS
DC Offset	8	X	-25.4262	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	X	0.1281	micro V	-	0.5000	PASS
Noise Peak	8	X	0.4583	micro V	-	2.0000	PASS
DC Offset	8	Y	-25.2868	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Y	0.1341	micro V	-	0.5000	PASS
Noise Peak	8	Y	0.5063	micro V	-	2.0000	PASS
DC Offset	8	Z	-25.4509	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Z	0.1373	micro V	-	0.5000	PASS
Noise Peak	8	Z	0.4703	micro V	-	2.0000	PASS

ELECTRICAL NOISE HIGH TEST

2006/05/15 09:33:55

Shot No: 4 **Station Depth: 1800.01 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
DC Offset	1	X	-25.3190	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	X	0.1293	micro V	-	0.5000	PASS
Noise Peak	1	X	0.4966	micro V	-	2.0000	PASS
DC Offset	1	Y	-25.3679	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Y	0.1301	micro V	-	0.5000	PASS
Noise Peak	1	Y	0.4239	micro V	-	2.0000	PASS
DC Offset	1	Z	-25.2293	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Z	0.1292	micro V	-	0.5000	PASS
Noise Peak	1	Z	0.4469	micro V	-	2.0000	PASS
DC Offset	2	X	-24.9896	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	X	0.1288	micro V	-	0.5000	PASS
Noise Peak	2	X	0.4362	micro V	-	2.0000	PASS
DC Offset	2	Y	-24.7959	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Y	0.1293	micro V	-	0.5000	PASS
Noise Peak	2	Y	0.4616	micro V	-	2.0000	PASS
DC Offset	2	Z	-25.2353	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Z	0.1273	micro V	-	0.5000	PASS
Noise Peak	2	Z	0.4551	micro V	-	2.0000	PASS
DC Offset	3	X	-25.1375	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	X	0.1319	micro V	-	0.5000	PASS
Noise Peak	3	X	0.5651	micro V	-	2.0000	PASS
DC Offset	3	Y	-25.4387	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Y	0.1368	micro V	-	0.5000	PASS
Noise Peak	3	Y	0.5557	micro V	-	2.0000	PASS
DC Offset	3	Z	-25.2937	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Z	0.1312	micro V	-	0.5000	PASS
Noise Peak	3	Z	0.5011	micro V	-	2.0000	PASS
DC Offset	4	X	-25.2363	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	X	0.1316	micro V	-	0.5000	PASS
Noise Peak	4	X	0.5411	micro V	-	2.0000	PASS
DC Offset	4	Y	-25.1108	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Y	0.1325	micro V	-	0.5000	PASS
Noise Peak	4	Y	0.4854	micro V	-	2.0000	PASS
DC Offset	4	Z	-25.2013	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Z	0.1347	micro V	-	0.5000	PASS
Noise Peak	4	Z	0.4412	micro V	-	2.0000	PASS
DC Offset	5	X	-25.0331	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	X	0.1287	micro V	-	0.5000	PASS
Noise Peak	5	X	0.5802	micro V	-	2.0000	PASS
DC Offset	5	Y	-25.3310	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Y	0.1322	micro V	-	0.5000	PASS
Noise Peak	5	Y	0.5264	micro V	-	2.0000	PASS
DC Offset	5	Z	-25.2923	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Z	0.1329	micro V	-	0.5000	PASS
Noise Peak	5	Z	0.5648	micro V	-	2.0000	PASS
DC Offset	6	X	-25.3819	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	X	0.1329	micro V	-	0.5000	PASS
Noise Peak	6	X	0.5100	micro V	-	2.0000	PASS
DC Offset	6	Y	-25.0898	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Y	0.1324	micro V	-	0.5000	PASS
Noise Peak	6	Y	0.5996	micro V	-	2.0000	PASS
DC Offset	6	Z	-24.9717	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Z	0.1304	micro V	-	0.5000	PASS

Noise Peak	6	Z	0.4668	micro V	-	2.0000	PASS
DC Offset	7	X	-25.1592	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	X	0.1334	micro V	-	0.5000	PASS
Noise Peak	7	X	0.5494	micro V	-	2.0000	PASS
DC Offset	7	Y	-25.0015	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Y	0.1336	micro V	-	0.5000	PASS
Noise Peak	7	Y	0.5006	micro V	-	2.0000	PASS
DC Offset	7	Z	-25.1379	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Z	0.1329	micro V	-	0.5000	PASS
Noise Peak	7	Z	0.5742	micro V	-	2.0000	PASS
DC Offset	8	X	-25.2083	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	X	0.1305	micro V	-	0.5000	PASS
Noise Peak	8	X	0.5934	micro V	-	2.0000	PASS
DC Offset	8	Y	-24.9761	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Y	0.1308	micro V	-	0.5000	PASS
Noise Peak	8	Y	0.5194	micro V	-	2.0000	PASS
DC Offset	8	Z	-25.0918	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Z	0.1367	micro V	-	0.5000	PASS
Noise Peak	8	Z	0.5203	micro V	-	2.0000	PASS

ELECTRICAL DISTORTION TEST

2006/05/15 09:34:21

Shot No: 5 **Station Depth: 1800.01 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Total Harmonic Distortion	1	X	-98.0920	dB	-	-90.0000	PASS
Total Harmonic Distortion	1	Y	-98.8090	dB	-	-90.0000	PASS
Total Harmonic Distortion	1	Z	-98.0665	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	X	-94.4652	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	Y	-95.5097	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	Z	-98.5629	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	X	-101.3968	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	Y	-100.7929	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	Z	-102.2089	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	X	-100.5315	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	Y	-101.6483	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	Z	-98.9626	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	X	-95.7528	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	Y	-97.0394	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	Z	-96.3345	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	X	-98.6281	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	Y	-101.2357	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	Z	-98.0713	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	X	-99.4616	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	Y	-99.2268	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	Z	-98.2408	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	X	-98.5474	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	Y	-98.0181	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	Z	-99.2466	dB	-	-90.0000	PASS

SYSTEM DYNAMIC RANGE TEST

2006/05/15 09:34:52

Shot No: 6 **Station Depth: 1800.01 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
System Dynamic Range	1	X	107.7938	dB	103.0000	-	PASS
System Dynamic Range	1	Y	107.6366	dB	103.0000	-	PASS
System Dynamic Range	1	Z	107.4697	dB	103.0000	-	PASS
System Dynamic Range	2	X	106.2838	dB	103.0000	-	PASS
System Dynamic Range	2	Y	106.4850	dB	103.0000	-	PASS
System Dynamic Range	2	Z	106.9098	dB	103.0000	-	PASS
System Dynamic Range	3	X	106.4413	dB	103.0000	-	PASS
System Dynamic Range	3	Y	106.3822	dB	103.0000	-	PASS
System Dynamic Range	3	Z	106.6770	dB	103.0000	-	PASS
System Dynamic Range	4	X	107.2456	dB	103.0000	-	PASS
System Dynamic Range	4	Y	107.1742	dB	103.0000	-	PASS
System Dynamic Range	4	Z	107.5556	dB	103.0000	-	PASS
System Dynamic Range	5	X	107.3092	dB	103.0000	-	PASS
System Dynamic Range	5	Y	107.2334	dB	103.0000	-	PASS
System Dynamic Range	5	Z	106.9663	dB	103.0000	-	PASS

System Dynamic Range	6	X	106.3902	dB	103.0000	-	PASS
System Dynamic Range	6	Y	106.5213	dB	103.0000	-	PASS
System Dynamic Range	6	Z	106.3035	dB	103.0000	-	PASS
System Dynamic Range	7	X	107.1125	dB	103.0000	-	PASS
System Dynamic Range	7	Y	107.1151	dB	103.0000	-	PASS
System Dynamic Range	7	Z	107.2893	dB	103.0000	-	PASS
System Dynamic Range	8	X	107.8385	dB	103.0000	-	PASS
System Dynamic Range	8	Y	108.0989	dB	103.0000	-	PASS
System Dynamic Range	8	Z	107.9566	dB	103.0000	-	PASS

AMPLIFIER GAIN 2 TEST

2006/05/15 09:35:23

Shot No: 7 **Station Depth: 1800.01 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1203	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1330	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.1172	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1243	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1205	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1463	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1240	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1346	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1325	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1340	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1234	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1324	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1176	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1232	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1220	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1114	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1066	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1136	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1063	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1172	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1257	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1098	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1184	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1087	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0000	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 4 TEST

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Shot No: 8 **Station Depth: 1800.01 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1081	dB	-0.5000	0.5000	PASS

Gain Step Accuracy	1	X	0.0122	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1287	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0042	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.1015	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0157	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1226	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0017	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1164	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0041	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1449	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0014	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1229	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0011	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1335	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0010	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1366	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0042	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1333	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0007	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1202	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0033	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1293	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1156	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0021	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1238	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0006	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1172	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0048	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1087	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0027	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1052	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0014	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1123	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0014	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1036	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0027	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1150	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0021	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1243	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0014	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1083	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0015	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1182	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0002	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1047	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0041	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 8 TEST

2006/05/15 09:35:56

Shot No: 9 **Station Depth: 1800.01 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1046	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0157	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1278	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0052	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0978	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0194	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1241	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0003	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1164	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0041	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1449	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0014	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1229	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0011	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1357	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	-0.0011	dB	-0.5000	0.5000	PASS

Gain Accuracy	3	Z	0.1406	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0081	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1358	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	-0.0018	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1225	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0009	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1298	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1160	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0016	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1244	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0012	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1187	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0033	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1086	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0028	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1074	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	-0.0008	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1104	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0032	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1031	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0032	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1145	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0027	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1255	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0002	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1086	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0012	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1169	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0016	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1076	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0012	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 16 TEST

2006/05/15 09:36:12

Shot No: 10 **Station Depth: 1800.01 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.0974	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0229	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1221	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0108	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0955	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0217	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1188	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0055	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1121	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0084	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1412	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0051	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1195	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0045	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1326	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0020	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1407	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0082	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1319	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0021	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1202	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	0.0067	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1105	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0071	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1214	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	0.0018	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1148	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0072	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1015	dB	-0.5000	0.5000	PASS

Gain Step Accuracy	6	X	0.0099	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1027	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0039	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1066	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0070	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.0985	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0078	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1115	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0057	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1212	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0045	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1053	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0045	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1133	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0052	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1054	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0033	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 32 TEST

2006/05/15 09:36:28

Shot No: 11 **Station Depth: 1800.01 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.0970	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0234	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1265	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0064	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0982	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0190	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1201	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0043	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1146	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0059	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1428	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0035	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1240	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1374	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	-0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1426	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0101	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1332	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0008	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1204	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1287	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0037	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1117	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0060	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1261	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1176	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0044	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1063	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0051	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1025	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0041	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1109	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0027	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1004	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0059	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1145	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1228	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1131	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	-0.0033	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1162	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0023	dB	-0.5000	0.5000	PASS

Gain Accuracy	8	Z	0.0975	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0112	dB	-0.5000	0.5000	PASS

CROSS TALK X TEST

2006/05/15 09:37:00

Shot No: 12 **Station Depth: 1800.01 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk X-Y	1	-	-99.5044	dB	-	-90.0000	PASS
Cross Talk X-Z	1	-	-97.7645	dB	-	-90.0000	PASS
Cross Talk X-Y	2	-	-99.7939	dB	-	-90.0000	PASS
Cross Talk X-Z	2	-	-98.2313	dB	-	-90.0000	PASS
Cross Talk X-Y	3	-	-99.2521	dB	-	-90.0000	PASS
Cross Talk X-Z	3	-	-98.0018	dB	-	-90.0000	PASS
Cross Talk X-Y	4	-	-99.6013	dB	-	-90.0000	PASS
Cross Talk X-Z	4	-	-97.4076	dB	-	-90.0000	PASS
Cross Talk X-Y	5	-	-99.7021	dB	-	-90.0000	PASS
Cross Talk X-Z	5	-	-98.3394	dB	-	-90.0000	PASS
Cross Talk X-Y	6	-	-99.5294	dB	-	-90.0000	PASS
Cross Talk X-Z	6	-	-98.4227	dB	-	-90.0000	PASS
Cross Talk X-Y	7	-	-99.4175	dB	-	-90.0000	PASS
Cross Talk X-Z	7	-	-98.2109	dB	-	-90.0000	PASS
Cross Talk X-Y	8	-	-99.3132	dB	-	-90.0000	PASS
Cross Talk X-Z	8	-	-98.1891	dB	-	-90.0000	PASS

CROSS TALK Y TEST

2006/05/15 09:37:37

Shot No: 13 **Station Depth: 1800.01 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk Y-Z	1	-	-97.4473	dB	-	-90.0000	PASS
Cross Talk Y-X	1	-	-99.2912	dB	-	-90.0000	PASS
Cross Talk Y-Z	2	-	-97.6952	dB	-	-90.0000	PASS
Cross Talk Y-X	2	-	-99.3167	dB	-	-90.0000	PASS
Cross Talk Y-Z	3	-	-97.1185	dB	-	-90.0000	PASS
Cross Talk Y-X	3	-	-98.8720	dB	-	-90.0000	PASS
Cross Talk Y-Z	4	-	-96.9711	dB	-	-90.0000	PASS
Cross Talk Y-X	4	-	-98.9924	dB	-	-90.0000	PASS
Cross Talk Y-Z	5	-	-97.9542	dB	-	-90.0000	PASS
Cross Talk Y-X	5	-	-99.1021	dB	-	-90.0000	PASS
Cross Talk Y-Z	6	-	-97.8925	dB	-	-90.0000	PASS
Cross Talk Y-X	6	-	-98.9454	dB	-	-90.0000	PASS
Cross Talk Y-Z	7	-	-98.0227	dB	-	-90.0000	PASS
Cross Talk Y-X	7	-	-99.0313	dB	-	-90.0000	PASS
Cross Talk Y-Z	8	-	-97.9903	dB	-	-90.0000	PASS
Cross Talk Y-X	8	-	-99.1452	dB	-	-90.0000	PASS

CROSS TALK Z TEST

2006/05/15 09:38:13

Shot No: 14 **Station Depth: 1800.01 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk Z-X	1	-	-96.4405	dB	-	-90.0000	PASS
Cross Talk Z-Y	1	-	-95.7848	dB	-	-90.0000	PASS
Cross Talk Z-X	2	-	-97.2891	dB	-	-90.0000	PASS
Cross Talk Z-Y	2	-	-96.7581	dB	-	-90.0000	PASS
Cross Talk Z-X	3	-	-96.6895	dB	-	-90.0000	PASS
Cross Talk Z-Y	3	-	-96.0287	dB	-	-90.0000	PASS
Cross Talk Z-X	4	-	-96.1396	dB	-	-90.0000	PASS
Cross Talk Z-Y	4	-	-95.6120	dB	-	-90.0000	PASS
Cross Talk Z-X	5	-	-96.9631	dB	-	-90.0000	PASS
Cross Talk Z-Y	5	-	-96.7029	dB	-	-90.0000	PASS
Cross Talk Z-X	6	-	-96.7826	dB	-	-90.0000	PASS
Cross Talk Z-Y	6	-	-96.2208	dB	-	-90.0000	PASS
Cross Talk Z-X	7	-	-96.6652	dB	-	-90.0000	PASS
Cross Talk Z-Y	7	-	-96.3953	dB	-	-90.0000	PASS
Cross Talk Z-X	8	-	-97.3825	dB	-	-90.0000	PASS
Cross Talk Z-Y	8	-	-97.1758	dB	-	-90.0000	PASS

IMPULSE RESPONSE TEST

2006/05/15 09:38:49

Shot No: 15 **Station Depth: 1800.01 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Amplitude (0.3Hz)	1	X	-1.4997	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	X	-3.5793	dB	-5.0000	-	PASS
Impulse Amplitude	1	X	571.5112	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	X	0.0000	degree	-	-	-
Amplitude (0.3Hz)	1	Y	-1.4180	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	Y	-3.5752	dB	-5.0000	-	PASS
Impulse Amplitude	1	Y	572.3546	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	Y	-0.7974	degree	-	-	-
Amplitude (0.3Hz)	1	Z	-1.4598	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	Z	-3.5761	dB	-5.0000	-	PASS
Impulse Amplitude	1	Z	571.3079	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	Z	-0.4750	degree	-	-	-
Amplitude (0.3Hz)	2	X	-1.4475	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	X	-3.5723	dB	-5.0000	-	PASS
Impulse Amplitude	2	X	572.3973	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	X	-0.1833	degree	-	-	-
Amplitude (0.3Hz)	2	Y	-1.5797	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	Y	-3.5730	dB	-5.0000	-	PASS
Impulse Amplitude	2	Y	572.2275	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	Y	1.1036	degree	-	-	-
Amplitude (0.3Hz)	2	Z	-1.6071	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	Z	-3.5702	dB	-5.0000	-	PASS
Impulse Amplitude	2	Z	573.7319	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	Z	1.4780	degree	-	-	-
Amplitude (0.3Hz)	3	X	-1.4829	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	X	-3.5737	dB	-5.0000	-	PASS
Impulse Amplitude	3	X	572.1680	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	X	-0.2201	degree	-	-	-
Amplitude (0.3Hz)	3	Y	-1.4926	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	Y	-3.5744	dB	-5.0000	-	PASS
Impulse Amplitude	3	Y	573.0114	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	Y	-0.4188	degree	-	-	-
Amplitude (0.3Hz)	3	Z	-1.5349	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	Z	-3.5736	dB	-5.0000	-	PASS
Impulse Amplitude	3	Z	573.0218	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	Z	0.2468	degree	-	-	-
Amplitude (0.3Hz)	4	X	-1.6665	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	X	-3.5708	dB	-5.0000	-	PASS
Impulse Amplitude	4	X	572.3799	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	X	1.5133	degree	-	-	-
Amplitude (0.3Hz)	4	Y	-1.5546	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	Y	-3.5726	dB	-5.0000	-	PASS
Impulse Amplitude	4	Y	571.3388	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	Y	0.4008	degree	-	-	-
Amplitude (0.3Hz)	4	Z	-1.5345	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	Z	-3.5723	dB	-5.0000	-	PASS
Impulse Amplitude	4	Z	572.2610	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	Z	0.1105	degree	-	-	-
Amplitude (0.3Hz)	5	X	-1.5970	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	X	-3.5752	dB	-5.0000	-	PASS
Impulse Amplitude	5	X	571.8188	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	X	1.1346	degree	-	-	-
Amplitude (0.3Hz)	5	Y	-1.5162	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	Y	-3.5748	dB	-5.0000	-	PASS
Impulse Amplitude	5	Y	572.2577	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	Y	0.2322	degree	-	-	-
Amplitude (0.3Hz)	5	Z	-1.6764	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	Z	-3.5750	dB	-5.0000	-	PASS
Impulse Amplitude	5	Z	572.2553	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	Z	1.8498	degree	-	-	-
Amplitude (0.3Hz)	6	X	-1.6246	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	X	-3.5783	dB	-5.0000	-	PASS
Impulse Amplitude	6	X	571.0050	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	X	1.3375	degree	-	-	-
Amplitude (0.3Hz)	6	Y	-1.4950	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	Y	-3.5720	dB	-5.0000	-	PASS

Impulse Amplitude	6	Y	571.1243	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	Y	0.1506	degree	-	-	-
Amplitude (0.3Hz)	6	Z	-1.5812	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	Z	-3.5783	dB	-5.0000	-	PASS
Impulse Amplitude	6	Z	571.6791	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	Z	0.7850	degree	-	-	-
Amplitude (0.3Hz)	7	X	-1.5382	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	X	-3.5669	dB	-5.0000	-	PASS
Impulse Amplitude	7	X	570.2835	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	X	1.3263	degree	-	-	-
Amplitude (0.3Hz)	7	Y	-1.5262	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	Y	-3.5663	dB	-5.0000	-	PASS
Impulse Amplitude	7	Y	571.3531	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	Y	1.1791	degree	-	-	-
Amplitude (0.3Hz)	7	Z	-1.4607	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	Z	-3.5667	dB	-5.0000	-	PASS
Impulse Amplitude	7	Z	571.8976	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	Z	0.4599	degree	-	-	-
Amplitude (0.3Hz)	8	X	-1.5794	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	X	-3.5737	dB	-5.0000	-	PASS
Impulse Amplitude	8	X	570.8352	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	X	1.3888	degree	-	-	-
Amplitude (0.3Hz)	8	Y	-1.6114	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	Y	-3.5717	dB	-5.0000	-	PASS
Impulse Amplitude	8	Y	572.0117	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	Y	1.3510	degree	-	-	-
Amplitude (0.3Hz)	8	Z	-1.6764	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	Z	-3.5711	dB	-5.0000	-	PASS
Impulse Amplitude	8	Z	571.0258	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	Z	2.1506	degree	-	-	-

ELECTRICAL NOISE LOW TEST

2006/05/16 07:37:00

Shot No: 295 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
DC Offset	1	X	-25.4316	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	X	0.1303	micro V	-	0.5000	PASS
Noise Peak	1	X	0.4241	micro V	-	2.0000	PASS
DC Offset	1	Y	-25.3705	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Y	0.1338	micro V	-	0.5000	PASS
Noise Peak	1	Y	0.4987	micro V	-	2.0000	PASS
DC Offset	1	Z	-25.3897	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Z	0.1308	micro V	-	0.5000	PASS
Noise Peak	1	Z	0.5184	micro V	-	2.0000	PASS
DC Offset	2	X	-25.2344	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	X	0.1332	micro V	-	0.5000	PASS
Noise Peak	2	X	0.5317	micro V	-	2.0000	PASS
DC Offset	2	Y	-25.0967	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Y	0.1302	micro V	-	0.5000	PASS
Noise Peak	2	Y	0.4983	micro V	-	2.0000	PASS
DC Offset	2	Z	-25.3894	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Z	0.1314	micro V	-	0.5000	PASS
Noise Peak	2	Z	0.4863	micro V	-	2.0000	PASS
DC Offset	3	X	-25.3930	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	X	0.1300	micro V	-	0.5000	PASS
Noise Peak	3	X	0.5429	micro V	-	2.0000	PASS
DC Offset	3	Y	-25.3041	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Y	0.1342	micro V	-	0.5000	PASS
Noise Peak	3	Y	0.6356	micro V	-	2.0000	PASS
DC Offset	3	Z	-25.3739	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Z	0.1361	micro V	-	0.5000	PASS
Noise Peak	3	Z	0.5251	micro V	-	2.0000	PASS
DC Offset	4	X	-25.3057	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	X	0.1360	micro V	-	0.5000	PASS
Noise Peak	4	X	0.4723	micro V	-	2.0000	PASS
DC Offset	4	Y	-25.3461	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Y	0.1314	micro V	-	0.5000	PASS
Noise Peak	4	Y	0.4949	micro V	-	2.0000	PASS

DC Offset	4	Z	-25.2983	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Z	0.1353	micro V	-	0.5000	PASS
Noise Peak	4	Z	0.4891	micro V	-	2.0000	PASS
DC Offset	5	X	-25.2741	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	X	0.1326	micro V	-	0.5000	PASS
Noise Peak	5	X	0.4924	micro V	-	2.0000	PASS
DC Offset	5	Y	-25.3547	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Y	0.1335	micro V	-	0.5000	PASS
Noise Peak	5	Y	0.4396	micro V	-	2.0000	PASS
DC Offset	5	Z	-25.3377	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Z	0.1357	micro V	-	0.5000	PASS
Noise Peak	5	Z	0.5034	micro V	-	2.0000	PASS
DC Offset	6	X	-25.4140	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	X	0.1361	micro V	-	0.5000	PASS
Noise Peak	6	X	0.5429	micro V	-	2.0000	PASS
DC Offset	6	Y	-25.3404	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Y	0.1323	micro V	-	0.5000	PASS
Noise Peak	6	Y	0.4398	micro V	-	2.0000	PASS
DC Offset	6	Z	-25.3509	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Z	0.1300	micro V	-	0.5000	PASS
Noise Peak	6	Z	0.4595	micro V	-	2.0000	PASS
DC Offset	7	X	-25.3252	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	X	0.1371	micro V	-	0.5000	PASS
Noise Peak	7	X	0.4561	micro V	-	2.0000	PASS
DC Offset	7	Y	-25.2881	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Y	0.1312	micro V	-	0.5000	PASS
Noise Peak	7	Y	0.5435	micro V	-	2.0000	PASS
DC Offset	7	Z	-25.3407	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Z	0.1381	micro V	-	0.5000	PASS
Noise Peak	7	Z	0.5375	micro V	-	2.0000	PASS
DC Offset	8	X	-25.4222	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	X	0.1316	micro V	-	0.5000	PASS
Noise Peak	8	X	0.4407	micro V	-	2.0000	PASS
DC Offset	8	Y	-25.2867	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Y	0.1387	micro V	-	0.5000	PASS
Noise Peak	8	Y	0.5347	micro V	-	2.0000	PASS
DC Offset	8	Z	-25.4469	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Z	0.1298	micro V	-	0.5000	PASS
Noise Peak	8	Z	0.4708	micro V	-	2.0000	PASS

ELECTRICAL NOISE HIGH TEST

2006/05/16 07:37:40

Shot No: 296 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
DC Offset	1	X	-25.3266	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	X	0.1331	micro V	-	0.5000	PASS
Noise Peak	1	X	0.5468	micro V	-	2.0000	PASS
DC Offset	1	Y	-25.4428	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Y	0.1320	micro V	-	0.5000	PASS
Noise Peak	1	Y	0.4975	micro V	-	2.0000	PASS
DC Offset	1	Z	-25.2369	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Z	0.1269	micro V	-	0.5000	PASS
Noise Peak	1	Z	0.4579	micro V	-	2.0000	PASS
DC Offset	2	X	-24.9890	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	X	0.1329	micro V	-	0.5000	PASS
Noise Peak	2	X	0.5500	micro V	-	2.0000	PASS
DC Offset	2	Y	-24.7963	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Y	0.1285	micro V	-	0.5000	PASS
Noise Peak	2	Y	0.4334	micro V	-	2.0000	PASS
DC Offset	2	Z	-25.2426	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Z	0.1302	micro V	-	0.5000	PASS
Noise Peak	2	Z	0.4982	micro V	-	2.0000	PASS
DC Offset	3	X	-25.0879	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	X	0.1329	micro V	-	0.5000	PASS
Noise Peak	3	X	0.4442	micro V	-	2.0000	PASS
DC Offset	3	Y	-25.4858	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Y	0.1383	micro V	-	0.5000	PASS
Noise Peak	3	Y	0.5225	micro V	-	2.0000	PASS

DC Offset	3	Z	-25.2716	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Z	0.1368	micro V	-	0.5000	PASS
Noise Peak	3	Z	0.4995	micro V	-	2.0000	PASS
DC Offset	4	X	-25.2456	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	X	0.1350	micro V	-	0.5000	PASS
Noise Peak	4	X	0.5314	micro V	-	2.0000	PASS
DC Offset	4	Y	-25.1252	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Y	0.1309	micro V	-	0.5000	PASS
Noise Peak	4	Y	0.4576	micro V	-	2.0000	PASS
DC Offset	4	Z	-25.1496	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Z	0.1332	micro V	-	0.5000	PASS
Noise Peak	4	Z	0.4932	micro V	-	2.0000	PASS
DC Offset	5	X	-25.0570	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	X	0.1343	micro V	-	0.5000	PASS
Noise Peak	5	X	0.4749	micro V	-	2.0000	PASS
DC Offset	5	Y	-25.3502	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Y	0.1295	micro V	-	0.5000	PASS
Noise Peak	5	Y	0.4776	micro V	-	2.0000	PASS
DC Offset	5	Z	-25.3550	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Z	0.1310	micro V	-	0.5000	PASS
Noise Peak	5	Z	0.5229	micro V	-	2.0000	PASS
DC Offset	6	X	-25.3390	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	X	0.1294	micro V	-	0.5000	PASS
Noise Peak	6	X	0.4872	micro V	-	2.0000	PASS
DC Offset	6	Y	-25.0196	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Y	0.1311	micro V	-	0.5000	PASS
Noise Peak	6	Y	0.4914	micro V	-	2.0000	PASS
DC Offset	6	Z	-24.9009	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Z	0.1329	micro V	-	0.5000	PASS
Noise Peak	6	Z	0.4489	micro V	-	2.0000	PASS
DC Offset	7	X	-25.1610	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	X	0.1354	micro V	-	0.5000	PASS
Noise Peak	7	X	0.4277	micro V	-	2.0000	PASS
DC Offset	7	Y	-24.9719	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Y	0.1343	micro V	-	0.5000	PASS
Noise Peak	7	Y	0.5169	micro V	-	2.0000	PASS
DC Offset	7	Z	-25.1631	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Z	0.1379	micro V	-	0.5000	PASS
Noise Peak	7	Z	0.5590	micro V	-	2.0000	PASS
DC Offset	8	X	-25.1790	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	X	0.1347	micro V	-	0.5000	PASS
Noise Peak	8	X	0.4830	micro V	-	2.0000	PASS
DC Offset	8	Y	-25.0035	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Y	0.1344	micro V	-	0.5000	PASS
Noise Peak	8	Y	0.5570	micro V	-	2.0000	PASS
DC Offset	8	Z	-25.0620	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Z	0.1312	micro V	-	0.5000	PASS
Noise Peak	8	Z	0.5083	micro V	-	2.0000	PASS

ELECTRICAL DISTORTION TEST

2006/05/16 07:38:05

Shot No: 297 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Total Harmonic Distortion	1	X	-98.1331	dB	-	-90.0000	PASS
Total Harmonic Distortion	1	Y	-98.8154	dB	-	-90.0000	PASS
Total Harmonic Distortion	1	Z	-98.0549	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	X	-94.3285	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	Y	-95.2168	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	Z	-98.2162	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	X	-100.5882	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	Y	-100.2110	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	Z	-101.5789	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	X	-99.7962	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	Y	-100.7531	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	Z	-98.3818	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	X	-95.3903	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	Y	-96.7643	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	Z	-95.9568	dB	-	-90.0000	PASS

Total Harmonic Distortion	6	X	-98.2797	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	Y	-101.0313	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	Z	-97.8010	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	X	-99.1086	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	Y	-98.8698	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	Z	-97.8394	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	X	-98.6076	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	Y	-97.9927	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	Z	-99.0340	dB	-	-90.0000	PASS

SYSTEM DYNAMIC RANGE TEST

2006/05/16 07:38:37

Shot No: 298 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
System Dynamic Range	1	X	106.9817	dB	103.0000	-	PASS
System Dynamic Range	1	Y	107.3421	dB	103.0000	-	PASS
System Dynamic Range	1	Z	107.1532	dB	103.0000	-	PASS
System Dynamic Range	2	X	106.9889	dB	103.0000	-	PASS
System Dynamic Range	2	Y	106.8887	dB	103.0000	-	PASS
System Dynamic Range	2	Z	107.2411	dB	103.0000	-	PASS
System Dynamic Range	3	X	106.6281	dB	103.0000	-	PASS
System Dynamic Range	3	Y	106.6453	dB	103.0000	-	PASS
System Dynamic Range	3	Z	106.6441	dB	103.0000	-	PASS
System Dynamic Range	4	X	107.1792	dB	103.0000	-	PASS
System Dynamic Range	4	Y	106.8931	dB	103.0000	-	PASS
System Dynamic Range	4	Z	107.3978	dB	103.0000	-	PASS
System Dynamic Range	5	X	106.8800	dB	103.0000	-	PASS
System Dynamic Range	5	Y	107.4668	dB	103.0000	-	PASS
System Dynamic Range	5	Z	106.9502	dB	103.0000	-	PASS
System Dynamic Range	6	X	106.1576	dB	103.0000	-	PASS
System Dynamic Range	6	Y	106.4295	dB	103.0000	-	PASS
System Dynamic Range	6	Z	106.3277	dB	103.0000	-	PASS
System Dynamic Range	7	X	107.8458	dB	103.0000	-	PASS
System Dynamic Range	7	Y	107.7101	dB	103.0000	-	PASS
System Dynamic Range	7	Z	107.8242	dB	103.0000	-	PASS
System Dynamic Range	8	X	107.1262	dB	103.0000	-	PASS
System Dynamic Range	8	Y	107.2787	dB	103.0000	-	PASS
System Dynamic Range	8	Z	106.8950	dB	103.0000	-	PASS

AMPLIFIER GAIN 2 TEST

2006/05/16 07:39:08

Shot No: 299 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1195	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1322	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.1165	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1235	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1196	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1455	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1230	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1336	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1316	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1331	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1225	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1316	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1170	dB	-0.5000	0.5000	PASS

Gain Step Accuracy	5	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1224	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1213	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1108	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1059	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1129	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1055	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1164	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1249	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1090	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1176	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1080	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 07:39:24

Shot No: 300 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1074	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0122	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1280	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0042	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.1008	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0157	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1218	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0017	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1155	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0041	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1441	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0014	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1219	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0011	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1326	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0010	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1357	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0042	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1325	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0006	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1193	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0032	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1285	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1149	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0021	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1231	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0006	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1166	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0047	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1081	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0027	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1046	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1115	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1029	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1143	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0021	dB	-0.5000	0.5000	PASS

Gain Accuracy	7	Z	0.1236	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0014	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1075	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0015	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1175	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0002	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1039	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 07:39:41

Shot No: 301 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1039	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0157	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1271	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0051	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0971	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0194	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1233	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0002	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1156	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0040	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1441	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0014	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1220	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0010	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1348	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	-0.0012	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1397	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0082	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1349	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	-0.0019	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1217	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0008	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1290	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0025	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1154	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0016	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1237	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0012	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1180	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0033	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1080	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0028	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1067	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	-0.0008	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1097	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0032	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1024	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1138	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1248	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0002	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1079	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0011	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1161	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0015	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1069	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 07:39:57

Shot No: 302 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.0967	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0229	dB	-0.5000	0.5000	PASS

Gain Accuracy	1	Y	0.1215	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0107	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0949	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0216	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1181	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0055	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1113	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0084	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1405	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0050	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1186	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0044	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1316	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0020	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1398	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0082	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1310	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0021	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1194	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0032	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1250	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0066	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1099	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0071	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1207	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	0.0017	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1141	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0072	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1009	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0099	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1021	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0038	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1059	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0069	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.0978	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0077	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1108	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0056	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1205	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0045	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1046	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0045	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1125	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0051	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1047	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0033	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 32 TEST

2006/05/16 07:40:14

Shot No: 303 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.0963	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0233	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1259	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0064	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0976	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0189	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1194	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0041	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1138	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0058	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1421	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0034	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1230	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	-0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1365	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	-0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1418	dB	-0.5000	0.5000	PASS

Gain Step Accuracy	3	Z	-0.0102	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1324	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0007	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1196	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1280	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0036	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1110	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0059	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1255	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1170	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0043	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1057	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0050	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1019	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0040	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1103	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.0998	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0057	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1139	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0025	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1221	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0028	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1124	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	-0.0034	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1155	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0022	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.0968	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0112	dB	-0.5000	0.5000	PASS

CROSS TALK X TEST

2006/05/16 07:40:45

Shot No: 304 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk X-Y	1	-	-99.5122	dB	-	-90.0000	PASS
Cross Talk X-Z	1	-	-97.8506	dB	-	-90.0000	PASS
Cross Talk X-Y	2	-	-99.3948	dB	-	-90.0000	PASS
Cross Talk X-Z	2	-	-98.3643	dB	-	-90.0000	PASS
Cross Talk X-Y	3	-	-99.4335	dB	-	-90.0000	PASS
Cross Talk X-Z	3	-	-97.8278	dB	-	-90.0000	PASS
Cross Talk X-Y	4	-	-99.6336	dB	-	-90.0000	PASS
Cross Talk X-Z	4	-	-97.7424	dB	-	-90.0000	PASS
Cross Talk X-Y	5	-	-99.6159	dB	-	-90.0000	PASS
Cross Talk X-Z	5	-	-98.3103	dB	-	-90.0000	PASS
Cross Talk X-Y	6	-	-99.5373	dB	-	-90.0000	PASS
Cross Talk X-Z	6	-	-98.4372	dB	-	-90.0000	PASS
Cross Talk X-Y	7	-	-99.5731	dB	-	-90.0000	PASS
Cross Talk X-Z	7	-	-98.3943	dB	-	-90.0000	PASS
Cross Talk X-Y	8	-	-99.4323	dB	-	-90.0000	PASS
Cross Talk X-Z	8	-	-98.6308	dB	-	-90.0000	PASS

CROSS TALK Y TEST

2006/05/16 07:41:22

Shot No: 305 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk Y-Z	1	-	-97.3677	dB	-	-90.0000	PASS
Cross Talk Y-X	1	-	-99.0456	dB	-	-90.0000	PASS
Cross Talk Y-Z	2	-	-97.6578	dB	-	-90.0000	PASS
Cross Talk Y-X	2	-	-99.2526	dB	-	-90.0000	PASS
Cross Talk Y-Z	3	-	-97.2391	dB	-	-90.0000	PASS
Cross Talk Y-X	3	-	-99.0116	dB	-	-90.0000	PASS
Cross Talk Y-Z	4	-	-97.0275	dB	-	-90.0000	PASS
Cross Talk Y-X	4	-	-98.8458	dB	-	-90.0000	PASS
Cross Talk Y-Z	5	-	-97.7910	dB	-	-90.0000	PASS
Cross Talk Y-X	5	-	-99.3635	dB	-	-90.0000	PASS
Cross Talk Y-Z	6	-	-98.0421	dB	-	-90.0000	PASS

Cross Talk Y-X	6	-	-99.0360	dB	-	-90.0000	PASS
Cross Talk Y-Z	7	-	-97.8596	dB	-	-90.0000	PASS
Cross Talk Y-X	7	-	-99.0520	dB	-	-90.0000	PASS
Cross Talk Y-Z	8	-	-97.7835	dB	-	-90.0000	PASS
Cross Talk Y-X	8	-	-99.1533	dB	-	-90.0000	PASS

CROSS TALK Z TEST

2006/05/16 07:41:59

Shot No: 306 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk Z-X	1	-	-96.3665	dB	-	-90.0000	PASS
Cross Talk Z-Y	1	-	-96.0278	dB	-	-90.0000	PASS
Cross Talk Z-X	2	-	-97.0011	dB	-	-90.0000	PASS
Cross Talk Z-Y	2	-	-96.8749	dB	-	-90.0000	PASS
Cross Talk Z-X	3	-	-96.5836	dB	-	-90.0000	PASS
Cross Talk Z-Y	3	-	-96.1508	dB	-	-90.0000	PASS
Cross Talk Z-X	4	-	-96.0149	dB	-	-90.0000	PASS
Cross Talk Z-Y	4	-	-95.4243	dB	-	-90.0000	PASS
Cross Talk Z-X	5	-	-96.9177	dB	-	-90.0000	PASS
Cross Talk Z-Y	5	-	-96.7195	dB	-	-90.0000	PASS
Cross Talk Z-X	6	-	-96.3422	dB	-	-90.0000	PASS
Cross Talk Z-Y	6	-	-96.0782	dB	-	-90.0000	PASS
Cross Talk Z-X	7	-	-96.5506	dB	-	-90.0000	PASS
Cross Talk Z-Y	7	-	-96.4042	dB	-	-90.0000	PASS
Cross Talk Z-X	8	-	-97.3096	dB	-	-90.0000	PASS
Cross Talk Z-Y	8	-	-97.0425	dB	-	-90.0000	PASS

IMPULSE RESPONSE TEST

2006/05/16 07:42:34

Shot No: 307 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Amplitude (0.3Hz)	1	X	-1.4800	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	X	-3.5727	dB	-5.0000	-	PASS
Impulse Amplitude	1	X	572.1664	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	X	0.0000	degree	-	-	-
Amplitude (0.3Hz)	1	Y	-1.4022	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	Y	-3.5736	dB	-5.0000	-	PASS
Impulse Amplitude	1	Y	573.0228	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	Y	-0.8087	degree	-	-	-
Amplitude (0.3Hz)	1	Z	-1.4396	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	Z	-3.5744	dB	-5.0000	-	PASS
Impulse Amplitude	1	Z	571.9777	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	Z	-0.5184	degree	-	-	-
Amplitude (0.3Hz)	2	X	-1.4512	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	X	-3.5782	dB	-5.0000	-	PASS
Impulse Amplitude	2	X	571.9116	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	X	-0.0536	degree	-	-	-
Amplitude (0.3Hz)	2	Y	-1.5818	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	Y	-3.5771	dB	-5.0000	-	PASS
Impulse Amplitude	2	Y	571.7408	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	Y	1.4071	degree	-	-	-
Amplitude (0.3Hz)	2	Z	-1.6120	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	Z	-3.5785	dB	-5.0000	-	PASS
Impulse Amplitude	2	Z	573.2514	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	Z	1.7150	degree	-	-	-
Amplitude (0.3Hz)	3	X	-1.4684	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	X	-3.5716	dB	-5.0000	-	PASS
Impulse Amplitude	3	X	571.6537	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	X	0.0881	degree	-	-	-
Amplitude (0.3Hz)	3	Y	-1.4728	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	Y	-3.5724	dB	-5.0000	-	PASS
Impulse Amplitude	3	Y	572.4948	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	Y	-0.0941	degree	-	-	-
Amplitude (0.3Hz)	3	Z	-1.5220	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	Z	-3.5730	dB	-5.0000	-	PASS
Impulse Amplitude	3	Z	572.5156	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	Z	0.5440	degree	-	-	-
Amplitude (0.3Hz)	4	X	-1.6598	dB	-5.0000	-	PASS

Amplitude (400Hz)	4	X	-3.5719	dB	-5.0000	-	PASS
Impulse Amplitude	4	X	572.4254	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	X	1.6294	degree	-	-	-
Amplitude (0.3Hz)	4	Y	-1.5462	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	Y	-3.5718	dB	-5.0000	-	PASS
Impulse Amplitude	4	Y	571.3890	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	Y	0.5004	degree	-	-	-
Amplitude (0.3Hz)	4	Z	-1.5329	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	Z	-3.5732	dB	-5.0000	-	PASS
Impulse Amplitude	4	Z	572.3219	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	Z	0.2929	degree	-	-	-
Amplitude (0.3Hz)	5	X	-1.6045	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	X	-3.5753	dB	-5.0000	-	PASS
Impulse Amplitude	5	X	571.8851	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	X	1.1570	degree	-	-	-
Amplitude (0.3Hz)	5	Y	-1.5212	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	Y	-3.5752	dB	-5.0000	-	PASS
Impulse Amplitude	5	Y	572.3284	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	Y	0.2670	degree	-	-	-
Amplitude (0.3Hz)	5	Z	-1.6822	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	Z	-3.5736	dB	-5.0000	-	PASS
Impulse Amplitude	5	Z	572.3300	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	Z	1.8368	degree	-	-	-
Amplitude (0.3Hz)	6	X	-1.6129	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	X	-3.5771	dB	-5.0000	-	PASS
Impulse Amplitude	6	X	570.4938	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	X	1.4098	degree	-	-	-
Amplitude (0.3Hz)	6	Y	-1.5169	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	Y	-3.5755	dB	-5.0000	-	PASS
Impulse Amplitude	6	Y	570.6074	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	Y	0.2786	degree	-	-	-
Amplitude (0.3Hz)	6	Z	-1.5793	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	Z	-3.5768	dB	-5.0000	-	PASS
Impulse Amplitude	6	Z	571.1631	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	Z	0.8303	degree	-	-	-
Amplitude (0.3Hz)	7	X	-1.6013	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	X	-3.5771	dB	-5.0000	-	PASS
Impulse Amplitude	7	X	570.9993	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	X	1.4786	degree	-	-	-
Amplitude (0.3Hz)	7	Y	-1.5876	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	Y	-3.5745	dB	-5.0000	-	PASS
Impulse Amplitude	7	Y	572.0658	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	Y	1.3539	degree	-	-	-
Amplitude (0.3Hz)	7	Z	-1.5253	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	Z	-3.5763	dB	-5.0000	-	PASS
Impulse Amplitude	7	Z	572.6102	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	Z	0.6374	degree	-	-	-
Amplitude (0.3Hz)	8	X	-1.6388	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	X	-3.5788	dB	-5.0000	-	PASS
Impulse Amplitude	8	X	570.2931	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	X	1.5604	degree	-	-	-
Amplitude (0.3Hz)	8	Y	-1.6716	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	Y	-3.5764	dB	-5.0000	-	PASS
Impulse Amplitude	8	Y	571.4761	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	Y	1.4810	degree	-	-	-
Amplitude (0.3Hz)	8	Z	-1.7400	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	Z	-3.5784	dB	-5.0000	-	PASS
Impulse Amplitude	8	Z	570.4855	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	Z	2.2792	degree	-	-	-

ELECTRICAL NOISE LOW TEST

2006/05/16 11:23:02

Shot No: 474 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
DC Offset	1	X	-25.4291	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	X	0.1316	micro V	-	0.5000	PASS
Noise Peak	1	X	0.4651	micro V	-	2.0000	PASS
DC Offset	1	Y	-25.3653	milli V	-100.0000	100.0000	PASS

RMS Noise Level	1	Y	0.1330	micro V	-	0.5000	PASS
Noise Peak	1	Y	0.6289	micro V	-	2.0000	PASS
DC Offset	1	Z	-25.3896	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Z	0.1320	micro V	-	0.5000	PASS
Noise Peak	1	Z	0.4524	micro V	-	2.0000	PASS
DC Offset	2	X	-25.2334	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	X	0.1323	micro V	-	0.5000	PASS
Noise Peak	2	X	0.4893	micro V	-	2.0000	PASS
DC Offset	2	Y	-25.0970	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Y	0.1279	micro V	-	0.5000	PASS
Noise Peak	2	Y	0.4322	micro V	-	2.0000	PASS
DC Offset	2	Z	-25.3891	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Z	0.1344	micro V	-	0.5000	PASS
Noise Peak	2	Z	0.4908	micro V	-	2.0000	PASS
DC Offset	3	X	-25.3962	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	X	0.1330	micro V	-	0.5000	PASS
Noise Peak	3	X	0.4689	micro V	-	2.0000	PASS
DC Offset	3	Y	-25.3012	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Y	0.1396	micro V	-	0.5000	PASS
Noise Peak	3	Y	0.5341	micro V	-	2.0000	PASS
DC Offset	3	Z	-25.3754	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Z	0.1332	micro V	-	0.5000	PASS
Noise Peak	3	Z	0.4302	micro V	-	2.0000	PASS
DC Offset	4	X	-25.3048	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	X	0.1335	micro V	-	0.5000	PASS
Noise Peak	4	X	0.5213	micro V	-	2.0000	PASS
DC Offset	4	Y	-25.3451	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Y	0.1334	micro V	-	0.5000	PASS
Noise Peak	4	Y	0.4534	micro V	-	2.0000	PASS
DC Offset	4	Z	-25.3025	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Z	0.1342	micro V	-	0.5000	PASS
Noise Peak	4	Z	0.4535	micro V	-	2.0000	PASS
DC Offset	5	X	-25.2712	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	X	0.1312	micro V	-	0.5000	PASS
Noise Peak	5	X	0.5067	micro V	-	2.0000	PASS
DC Offset	5	Y	-25.3537	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Y	0.1288	micro V	-	0.5000	PASS
Noise Peak	5	Y	0.4419	micro V	-	2.0000	PASS
DC Offset	5	Z	-25.3336	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Z	0.1327	micro V	-	0.5000	PASS
Noise Peak	5	Z	0.5250	micro V	-	2.0000	PASS
DC Offset	6	X	-25.4162	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	X	0.1347	micro V	-	0.5000	PASS
Noise Peak	6	X	0.5039	micro V	-	2.0000	PASS
DC Offset	6	Y	-25.3451	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Y	0.1314	micro V	-	0.5000	PASS
Noise Peak	6	Y	0.5110	micro V	-	2.0000	PASS
DC Offset	6	Z	-25.3540	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Z	0.1303	micro V	-	0.5000	PASS
Noise Peak	6	Z	0.4745	micro V	-	2.0000	PASS
DC Offset	7	X	-25.3247	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	X	0.1348	micro V	-	0.5000	PASS
Noise Peak	7	X	0.4862	micro V	-	2.0000	PASS
DC Offset	7	Y	-25.2897	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Y	0.1339	micro V	-	0.5000	PASS
Noise Peak	7	Y	0.4508	micro V	-	2.0000	PASS
DC Offset	7	Z	-25.3388	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Z	0.1354	micro V	-	0.5000	PASS
Noise Peak	7	Z	0.6484	micro V	-	2.0000	PASS
DC Offset	8	X	-25.4238	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	X	0.1347	micro V	-	0.5000	PASS
Noise Peak	8	X	0.5584	micro V	-	2.0000	PASS
DC Offset	8	Y	-25.2845	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Y	0.1338	micro V	-	0.5000	PASS
Noise Peak	8	Y	0.4734	micro V	-	2.0000	PASS
DC Offset	8	Z	-25.4494	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Z	0.1382	micro V	-	0.5000	PASS
Noise Peak	8	Z	0.6493	micro V	-	2.0000	PASS

ELECTRICAL NOISE HIGH TEST							
2006/05/16 11:23:42							
Shot No: 475			**Station Depth: 1800.03 m**				
Evaluation Item	**Shuttle**	**Channel**	**Value**	**Unit**	**Lower Limit**	**Upper Limit**	**Result**
DC Offset	1	X	-25.2868	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	X	0.1291	micro V	-	0.5000	PASS
Noise Peak	1	X	0.5063	micro V	-	2.0000	PASS
DC Offset	1	Y	-25.3611	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Y	0.1319	micro V	-	0.5000	PASS
Noise Peak	1	Y	0.4790	micro V	-	2.0000	PASS
DC Offset	1	Z	-25.2396	milli V	-100.0000	100.0000	PASS
RMS Noise Level	1	Z	0.1334	micro V	-	0.5000	PASS
Noise Peak	1	Z	0.4420	micro V	-	2.0000	PASS
DC Offset	2	X	-24.9837	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	X	0.1304	micro V	-	0.5000	PASS
Noise Peak	2	X	0.4717	micro V	-	2.0000	PASS
DC Offset	2	Y	-24.8061	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Y	0.1287	micro V	-	0.5000	PASS
Noise Peak	2	Y	0.5518	micro V	-	2.0000	PASS
DC Offset	2	Z	-25.2391	milli V	-100.0000	100.0000	PASS
RMS Noise Level	2	Z	0.1288	micro V	-	0.5000	PASS
Noise Peak	2	Z	0.4669	micro V	-	2.0000	PASS
DC Offset	3	X	-25.1398	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	X	0.1334	micro V	-	0.5000	PASS
Noise Peak	3	X	0.4639	micro V	-	2.0000	PASS
DC Offset	3	Y	-25.4422	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Y	0.1348	micro V	-	0.5000	PASS
Noise Peak	3	Y	0.4536	micro V	-	2.0000	PASS
DC Offset	3	Z	-25.2986	milli V	-100.0000	100.0000	PASS
RMS Noise Level	3	Z	0.1333	micro V	-	0.5000	PASS
Noise Peak	3	Z	0.5239	micro V	-	2.0000	PASS
DC Offset	4	X	-25.2311	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	X	0.1359	micro V	-	0.5000	PASS
Noise Peak	4	X	0.4863	micro V	-	2.0000	PASS
DC Offset	4	Y	-25.1140	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Y	0.1328	micro V	-	0.5000	PASS
Noise Peak	4	Y	0.4918	micro V	-	2.0000	PASS
DC Offset	4	Z	-25.2157	milli V	-100.0000	100.0000	PASS
RMS Noise Level	4	Z	0.1317	micro V	-	0.5000	PASS
Noise Peak	4	Z	0.5107	micro V	-	2.0000	PASS
DC Offset	5	X	-25.0223	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	X	0.1337	micro V	-	0.5000	PASS
Noise Peak	5	X	0.5921	micro V	-	2.0000	PASS
DC Offset	5	Y	-25.3328	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Y	0.1292	micro V	-	0.5000	PASS
Noise Peak	5	Y	0.4516	micro V	-	2.0000	PASS
DC Offset	5	Z	-25.2907	milli V	-100.0000	100.0000	PASS
RMS Noise Level	5	Z	0.1334	micro V	-	0.5000	PASS
Noise Peak	5	Z	0.5655	micro V	-	2.0000	PASS
DC Offset	6	X	-25.3765	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	X	0.1315	micro V	-	0.5000	PASS
Noise Peak	6	X	0.4427	micro V	-	2.0000	PASS
DC Offset	6	Y	-25.0895	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Y	0.1330	micro V	-	0.5000	PASS
Noise Peak	6	Y	0.5694	micro V	-	2.0000	PASS
DC Offset	6	Z	-24.9520	milli V	-100.0000	100.0000	PASS
RMS Noise Level	6	Z	0.1278	micro V	-	0.5000	PASS
Noise Peak	6	Z	0.5378	micro V	-	2.0000	PASS
DC Offset	7	X	-25.1550	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	X	0.1358	micro V	-	0.5000	PASS
Noise Peak	7	X	0.4796	micro V	-	2.0000	PASS
DC Offset	7	Y	-24.9956	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Y	0.1341	micro V	-	0.5000	PASS
Noise Peak	7	Y	0.5566	micro V	-	2.0000	PASS
DC Offset	7	Z	-25.1399	milli V	-100.0000	100.0000	PASS
RMS Noise Level	7	Z	0.1350	micro V	-	0.5000	PASS
Noise Peak	7	Z	0.4861	micro V	-	2.0000	PASS

DC Offset	8	X	-25.2002	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	X	0.1299	micro V	-	0.5000	PASS
Noise Peak	8	X	0.4504	micro V	-	2.0000	PASS
DC Offset	8	Y	-24.9633	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Y	0.1336	micro V	-	0.5000	PASS
Noise Peak	8	Y	0.6093	micro V	-	2.0000	PASS
DC Offset	8	Z	-25.1044	milli V	-100.0000	100.0000	PASS
RMS Noise Level	8	Z	0.1353	micro V	-	0.5000	PASS
Noise Peak	8	Z	0.5074	micro V	-	2.0000	PASS

ELECTRICAL DISTORTION TEST

2006/05/16 11:24:07

Shot No: 476 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Total Harmonic Distortion	1	X	-97.7341	dB	-	-90.0000	PASS
Total Harmonic Distortion	1	Y	-98.3516	dB	-	-90.0000	PASS
Total Harmonic Distortion	1	Z	-97.5874	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	X	-94.3410	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	Y	-95.1884	dB	-	-90.0000	PASS
Total Harmonic Distortion	2	Z	-98.4703	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	X	-100.7950	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	Y	-100.2012	dB	-	-90.0000	PASS
Total Harmonic Distortion	3	Z	-101.9409	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	X	-99.8571	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	Y	-100.8219	dB	-	-90.0000	PASS
Total Harmonic Distortion	4	Z	-98.3710	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	X	-95.2552	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	Y	-96.6201	dB	-	-90.0000	PASS
Total Harmonic Distortion	5	Z	-95.8660	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	X	-98.2261	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	Y	-101.1546	dB	-	-90.0000	PASS
Total Harmonic Distortion	6	Z	-97.6748	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	X	-99.3772	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	Y	-98.9783	dB	-	-90.0000	PASS
Total Harmonic Distortion	7	Z	-97.8653	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	X	-98.5042	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	Y	-97.7044	dB	-	-90.0000	PASS
Total Harmonic Distortion	8	Z	-98.9225	dB	-	-90.0000	PASS

SYSTEM DYNAMIC RANGE TEST

2006/05/16 11:24:39

Shot No: 477 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
System Dynamic Range	1	X	107.8477	dB	103.0000	-	PASS
System Dynamic Range	1	Y	107.9267	dB	103.0000	-	PASS
System Dynamic Range	1	Z	107.9701	dB	103.0000	-	PASS
System Dynamic Range	2	X	106.7878	dB	103.0000	-	PASS
System Dynamic Range	2	Y	107.2500	dB	103.0000	-	PASS
System Dynamic Range	2	Z	107.1751	dB	103.0000	-	PASS
System Dynamic Range	3	X	106.8549	dB	103.0000	-	PASS
System Dynamic Range	3	Y	106.5536	dB	103.0000	-	PASS
System Dynamic Range	3	Z	106.8906	dB	103.0000	-	PASS
System Dynamic Range	4	X	106.7277	dB	103.0000	-	PASS
System Dynamic Range	4	Y	106.7999	dB	103.0000	-	PASS
System Dynamic Range	4	Z	106.6895	dB	103.0000	-	PASS
System Dynamic Range	5	X	107.1155	dB	103.0000	-	PASS
System Dynamic Range	5	Y	107.4129	dB	103.0000	-	PASS
System Dynamic Range	5	Z	107.2215	dB	103.0000	-	PASS
System Dynamic Range	6	X	106.8751	dB	103.0000	-	PASS
System Dynamic Range	6	Y	106.6587	dB	103.0000	-	PASS
System Dynamic Range	6	Z	106.5031	dB	103.0000	-	PASS
System Dynamic Range	7	X	106.7335	dB	103.0000	-	PASS
System Dynamic Range	7	Y	106.4592	dB	103.0000	-	PASS
System Dynamic Range	7	Z	106.8863	dB	103.0000	-	PASS
System Dynamic Range	8	X	107.5284	dB	103.0000	-	PASS
System Dynamic Range	8	Y	107.5681	dB	103.0000	-	PASS
System Dynamic Range	8	Z	107.7059	dB	103.0000	-	PASS

AMPLIFIER GAIN 2 TEST

2006/05/16 11:25:11

Shot No: 478 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1195	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1322	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.1164	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1235	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1196	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1455	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1230	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1335	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1315	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1331	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1225	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1316	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1170	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1224	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1213	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1108	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1059	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1129	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1055	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1164	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1250	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1090	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1176	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1080	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 11:25:27

Shot No: 479 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1073	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0122	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1280	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0042	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.1008	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0157	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1218	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0017	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1155	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0041	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1441	dB	-0.5000	0.5000	PASS

Gain Step Accuracy	2	Z	0.0014	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1218	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0011	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1325	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0010	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1357	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0042	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1325	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0006	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1193	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0032	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1285	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1149	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0021	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1231	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0006	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1166	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0047	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1081	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0027	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1046	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1115	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0013	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1029	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1143	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0021	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1236	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0014	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1075	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0015	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1175	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0002	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1039	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 11:25:43

Shot No: 480 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.1038	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0157	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1270	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0051	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0971	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0194	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1232	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0002	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1155	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0040	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1441	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0014	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1219	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0010	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1347	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	-0.0012	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1397	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0082	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1349	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	-0.0019	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1217	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0009	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1290	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1154	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0016	dB	-0.5000	0.5000	PASS

Gain Accuracy	5	Y	0.1237	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0012	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1180	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0033	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1080	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0028	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1067	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	-0.0008	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1097	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0032	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.1024	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1138	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0026	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1248	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0002	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1079	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0011	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1162	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0015	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1069	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0011	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 16 TEST

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Shot No: 481 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.0966	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0229	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1214	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0108	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0948	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0217	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1180	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0055	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1112	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0084	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1404	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0050	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1185	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	0.0044	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1316	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	0.0020	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1398	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0082	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1310	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0021	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1194	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1250	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0066	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1099	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0071	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1207	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	0.0017	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1142	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0071	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1009	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0099	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1021	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0038	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1059	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0069	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.0978	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0077	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1108	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0056	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1205	dB	-0.5000	0.5000	PASS

Gain Step Accuracy	7	Z	0.0045	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1046	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	0.0045	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1125	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0051	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.1047	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0033	dB	-0.5000	0.5000	PASS

AMPLIFIER GAIN 32 TEST

2006/05/16 11:26:16

Shot No: 482 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Gain Accuracy	1	X	0.0962	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	X	0.0233	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Y	0.1258	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Y	0.0064	dB	-0.5000	0.5000	PASS
Gain Accuracy	1	Z	0.0976	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	1	Z	0.0189	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	X	0.1193	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	X	0.0042	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Y	0.1138	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Y	0.0058	dB	-0.5000	0.5000	PASS
Gain Accuracy	2	Z	0.1421	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	2	Z	0.0034	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	X	0.1230	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	X	-0.0000	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Y	0.1365	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Y	-0.0029	dB	-0.5000	0.5000	PASS
Gain Accuracy	3	Z	0.1417	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	3	Z	-0.0102	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	X	0.1323	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	X	0.0008	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Y	0.1195	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Y	0.0031	dB	-0.5000	0.5000	PASS
Gain Accuracy	4	Z	0.1280	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	4	Z	0.0036	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	X	0.1111	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	X	0.0059	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Y	0.1255	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Y	-0.0030	dB	-0.5000	0.5000	PASS
Gain Accuracy	5	Z	0.1170	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	5	Z	0.0043	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	X	0.1056	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	X	0.0052	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Y	0.1018	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Y	0.0041	dB	-0.5000	0.5000	PASS
Gain Accuracy	6	Z	0.1102	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	6	Z	0.0027	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	X	0.0998	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	X	0.0057	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Y	0.1139	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Y	0.0025	dB	-0.5000	0.5000	PASS
Gain Accuracy	7	Z	0.1221	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	7	Z	0.0028	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	X	0.1125	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	X	-0.0034	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Y	0.1155	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Y	0.0022	dB	-0.5000	0.5000	PASS
Gain Accuracy	8	Z	0.0969	dB	-0.5000	0.5000	PASS
Gain Step Accuracy	8	Z	0.0111	dB	-0.5000	0.5000	PASS

CROSS TALK X TEST

2006/05/16 11:26:48

Shot No: 483 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk X-Y	1	-	-99.4898	dB	-	-90.0000	PASS
Cross Talk X-Z	1	-	-97.9304	dB	-	-90.0000	PASS
Cross Talk X-Y	2	-	-99.4287	dB	-	-90.0000	PASS

Cross Talk X-Z	2	-	-98.2641	dB	-	-90.0000	PASS
Cross Talk X-Y	3	-	-99.0392	dB	-	-90.0000	PASS
Cross Talk X-Z	3	-	-97.8533	dB	-	-90.0000	PASS
Cross Talk X-Y	4	-	-99.5461	dB	-	-90.0000	PASS
Cross Talk X-Z	4	-	-97.6344	dB	-	-90.0000	PASS
Cross Talk X-Y	5	-	-99.5817	dB	-	-90.0000	PASS
Cross Talk X-Z	5	-	-98.1404	dB	-	-90.0000	PASS
Cross Talk X-Y	6	-	-99.7163	dB	-	-90.0000	PASS
Cross Talk X-Z	6	-	-98.2884	dB	-	-90.0000	PASS
Cross Talk X-Y	7	-	-99.4947	dB	-	-90.0000	PASS
Cross Talk X-Z	7	-	-98.3654	dB	-	-90.0000	PASS
Cross Talk X-Y	8	-	-99.3785	dB	-	-90.0000	PASS
Cross Talk X-Z	8	-	-98.2281	dB	-	-90.0000	PASS

CROSS TALK Y TEST

2006/05/16 11:27:24

Shot No: 484 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk Y-Z	1	-	-97.1701	dB	-	-90.0000	PASS
Cross Talk Y-X	1	-	-98.9170	dB	-	-90.0000	PASS
Cross Talk Y-Z	2	-	-97.9281	dB	-	-90.0000	PASS
Cross Talk Y-X	2	-	-99.0812	dB	-	-90.0000	PASS
Cross Talk Y-Z	3	-	-97.3728	dB	-	-90.0000	PASS
Cross Talk Y-X	3	-	-99.0953	dB	-	-90.0000	PASS
Cross Talk Y-Z	4	-	-96.9122	dB	-	-90.0000	PASS
Cross Talk Y-X	4	-	-98.9093	dB	-	-90.0000	PASS
Cross Talk Y-Z	5	-	-97.8534	dB	-	-90.0000	PASS
Cross Talk Y-X	5	-	-99.5220	dB	-	-90.0000	PASS
Cross Talk Y-Z	6	-	-97.8165	dB	-	-90.0000	PASS
Cross Talk Y-X	6	-	-99.2850	dB	-	-90.0000	PASS
Cross Talk Y-Z	7	-	-98.0116	dB	-	-90.0000	PASS
Cross Talk Y-X	7	-	-98.7842	dB	-	-90.0000	PASS
Cross Talk Y-Z	8	-	-98.0247	dB	-	-90.0000	PASS
Cross Talk Y-X	8	-	-99.2365	dB	-	-90.0000	PASS

CROSS TALK Z TEST

2006/05/16 11:28:01

Shot No: 485 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Cross Talk Z-X	1	-	-96.2005	dB	-	-90.0000	PASS
Cross Talk Z-Y	1	-	-95.7943	dB	-	-90.0000	PASS
Cross Talk Z-X	2	-	-96.9892	dB	-	-90.0000	PASS
Cross Talk Z-Y	2	-	-96.7984	dB	-	-90.0000	PASS
Cross Talk Z-X	3	-	-96.7198	dB	-	-90.0000	PASS
Cross Talk Z-Y	3	-	-96.0573	dB	-	-90.0000	PASS
Cross Talk Z-X	4	-	-96.1664	dB	-	-90.0000	PASS
Cross Talk Z-Y	4	-	-95.7733	dB	-	-90.0000	PASS
Cross Talk Z-X	5	-	-97.1753	dB	-	-90.0000	PASS
Cross Talk Z-Y	5	-	-96.9215	dB	-	-90.0000	PASS
Cross Talk Z-X	6	-	-96.5327	dB	-	-90.0000	PASS
Cross Talk Z-Y	6	-	-96.1562	dB	-	-90.0000	PASS
Cross Talk Z-X	7	-	-96.7129	dB	-	-90.0000	PASS
Cross Talk Z-Y	7	-	-96.4955	dB	-	-90.0000	PASS
Cross Talk Z-X	8	-	-97.6087	dB	-	-90.0000	PASS
Cross Talk Z-Y	8	-	-97.1655	dB	-	-90.0000	PASS

IMPULSE RESPONSE TEST

2006/05/16 11:28:37

Shot No: 486 **Station Depth: 1800.03 m**

Evaluation Item	Shuttle	Channel	Value	Unit	Lower Limit	Upper Limit	Result
Amplitude (0.3Hz)	1	X	-1.4894	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	X	-3.5717	dB	-5.0000	-	PASS
Impulse Amplitude	1	X	571.9810	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	X	0.0000	degree	-	-	-
Amplitude (0.3Hz)	1	Y	-1.4121	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	Y	-3.5713	dB	-5.0000	-	PASS
Impulse Amplitude	1	Y	572.8338	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	Y	-0.8871	degree	-	-	-

Amplitude (0.3Hz)	1	Z	-1.4504	dB	-5.0000	-	PASS
Amplitude (400Hz)	1	Z	-3.5718	dB	-5.0000	-	PASS
Impulse Amplitude	1	Z	571.7863	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	1	Z	-0.5098	degree	-	-	-
Amplitude (0.3Hz)	2	X	-1.4518	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	X	-3.5698	dB	-5.0000	-	PASS
Impulse Amplitude	2	X	571.7148	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	X	-0.0410	degree	-	-	-
Amplitude (0.3Hz)	2	Y	-1.5717	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	Y	-3.5701	dB	-5.0000	-	PASS
Impulse Amplitude	2	Y	571.5380	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	Y	1.2451	degree	-	-	-
Amplitude (0.3Hz)	2	Z	-1.6042	dB	-5.0000	-	PASS
Amplitude (400Hz)	2	Z	-3.5713	dB	-5.0000	-	PASS
Impulse Amplitude	2	Z	573.0455	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	2	Z	1.5363	degree	-	-	-
Amplitude (0.3Hz)	3	X	-1.4787	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	X	-3.5754	dB	-5.0000	-	PASS
Impulse Amplitude	3	X	571.5276	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	X	-0.3630	degree	-	-	-
Amplitude (0.3Hz)	3	Y	-1.4855	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	Y	-3.5744	dB	-5.0000	-	PASS
Impulse Amplitude	3	Y	572.3721	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	Y	-0.5685	degree	-	-	-
Amplitude (0.3Hz)	3	Z	-1.5267	dB	-5.0000	-	PASS
Amplitude (400Hz)	3	Z	-3.5742	dB	-5.0000	-	PASS
Impulse Amplitude	3	Z	572.3965	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	3	Z	0.0880	degree	-	-	-
Amplitude (0.3Hz)	4	X	-1.7050	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	X	-3.5717	dB	-5.0000	-	PASS
Impulse Amplitude	4	X	572.3221	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	X	1.0108	degree	-	-	-
Amplitude (0.3Hz)	4	Y	-1.5926	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	Y	-3.5729	dB	-5.0000	-	PASS
Impulse Amplitude	4	Y	571.2834	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	Y	-0.1117	degree	-	-	-
Amplitude (0.3Hz)	4	Z	-1.5727	dB	-5.0000	-	PASS
Amplitude (400Hz)	4	Z	-3.5710	dB	-5.0000	-	PASS
Impulse Amplitude	4	Z	572.2114	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	4	Z	-0.3676	degree	-	-	-
Amplitude (0.3Hz)	5	X	-1.5989	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	X	-3.5747	dB	-5.0000	-	PASS
Impulse Amplitude	5	X	571.8024	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	X	1.1915	degree	-	-	-
Amplitude (0.3Hz)	5	Y	-1.5203	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	Y	-3.5748	dB	-5.0000	-	PASS
Impulse Amplitude	5	Y	572.2387	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	Y	0.3095	degree	-	-	-
Amplitude (0.3Hz)	5	Z	-1.6819	dB	-5.0000	-	PASS
Amplitude (400Hz)	5	Z	-3.5739	dB	-5.0000	-	PASS
Impulse Amplitude	5	Z	572.2400	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	5	Z	1.9161	degree	-	-	-
Amplitude (0.3Hz)	6	X	-1.6273	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	X	-3.5812	dB	-5.0000	-	PASS
Impulse Amplitude	6	X	570.3857	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	X	1.1718	degree	-	-	-
Amplitude (0.3Hz)	6	Y	-1.5283	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	Y	-3.5828	dB	-5.0000	-	PASS
Impulse Amplitude	6	Y	570.5034	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	Y	-0.0017	degree	-	-	-
Amplitude (0.3Hz)	6	Z	-1.5945	dB	-5.0000	-	PASS
Amplitude (400Hz)	6	Z	-3.5801	dB	-5.0000	-	PASS
Impulse Amplitude	6	Z	571.0513	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	6	Z	0.6626	degree	-	-	-
Amplitude (0.3Hz)	7	X	-1.6076	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	X	-3.5760	dB	-5.0000	-	PASS
Impulse Amplitude	7	X	570.8329	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	X	1.4797	degree	-	-	-

Amplitude (0.3Hz)	7	Y	-1.5914	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	Y	-3.5735	dB	-5.0000	-	PASS
Impulse Amplitude	7	Y	571.9020	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	Y	1.3950	degree	-	-	-
Amplitude (0.3Hz)	7	Z	-1.5325	dB	-5.0000	-	PASS
Amplitude (400Hz)	7	Z	-3.5750	dB	-5.0000	-	PASS
Impulse Amplitude	7	Z	572.4470	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	7	Z	0.6422	degree	-	-	-
Amplitude (0.3Hz)	8	X	-1.5907	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	X	-3.5741	dB	-5.0000	-	PASS
Impulse Amplitude	8	X	570.2010	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	X	1.3741	degree	-	-	-
Amplitude (0.3Hz)	8	Y	-1.6243	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	Y	-3.5711	dB	-5.0000	-	PASS
Impulse Amplitude	8	Y	571.3864	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	Y	1.3057	degree	-	-	-
Amplitude (0.3Hz)	8	Z	-1.6918	dB	-5.0000	-	PASS
Amplitude (400Hz)	8	Z	-3.5745	dB	-5.0000	-	PASS
Impulse Amplitude	8	Z	570.3971	milli V	-	-	-
Phase Diff. at 0.3Hz from X1	8	Z	2.1514	degree	-	-	-