

SAH-E
SAH-E

5.84

WSTA-A
WSTA_SONDE
OYO-GEOPHONES

4.98

WSTA Arm
Tension

— TOOL ZERO

TOOL BOTTOM

MAXIMUM STRING DIAMETER 4.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Production String

(in)	(m)
OD	ID MD

Well Schematic

(m)	(in)
MD	OD ID

Casing String

Kelly Bushing Elevation

Derrick Floor Elevation

Mean Sea Level

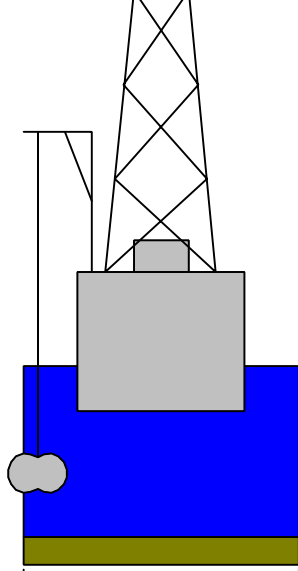
Seismic Gun depth below MSL

11.3

11.3

0.0

3.0



11.3

10.750

Casing String

3013.0 10.750

3013.0 9.875

Casing Shoe
Borehole Segment



Output DLIS Files

DEFAULT SEIS_WSS_073PNP FN:83 PRODUCER 04-Aug-2004 01:25 0.0 M 0.2 M

OP System Version: 12C0-301
MCM

WSTA-A 12C0-301

STACK # 3 2-Aug-2004-11:27 Shots: 132-133-134-135-136-137-138-139-140-141-142-143-
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S1, pp= 45828 bits = 6993.0107 mV, Gain = 1, Break= 9.55 ms

WSTA Depth = 3026.6 M , Transit Time = 1964.50 ms

DZ1, pp= 31769 bits = 72.5357 mV 0.000907 M/S, Gain = 1, Break= 1974.05 ms

SeisWfPlot (SeisWfPlot)

600

(MS)

2100

STACK # 2 2-Aug-2004-11:19 Shots: 116-117-118-119-120-121-122-123-124-126-127-128-
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S1, pp= 43720 bits = 6671.3457 mV, Gain = 1, Break= 8.55 ms

WSTA Depth = 3031.7 M , Transit Time = 1965.27 ms

DZ1, pp= 28927 bits = 66.0468 mV 0.000826 M/S, Gain = 1, Break= 1973.81 ms

SeisWfPlot (SeisWfPlot)

600

(MS)

2100

STACK # 1 2-Aug-2004-11:12 Shots: 100-102-103-104-105-106-107-108-109-110-111-112-
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S1, pp= 42547 bits = 6492.3550 mV, Gain = 1, Break= 9.61 ms

WSTA Depth = 3050.0 M , Transit Time = 1969.40 ms

DZ1, pp= 25989 bits = 59.3387 mV 0.000742 M/S, Gain = 1, Break= 1979.01 ms

SeisWfPlot (SeisWfPlot)

600

(MS)

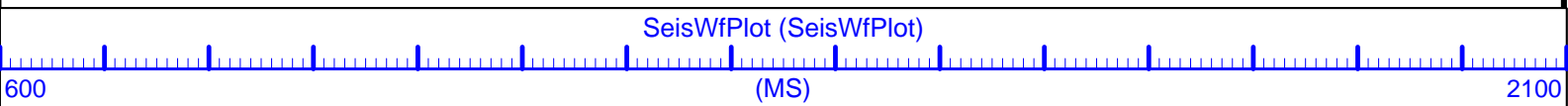
2100

STACK # 3 2-Aug-2004-11:27 Shots: 132-133-134-135-136-137-138-139-140-141-142-143-
 Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
 Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S1, pp= 45828 bits = 6993.0107 mV, Gain = 1, Break= 9.55 ms

WSTA Depth = 3026.6 M , Transit Time = 1964.50 ms

DZ1, pp= 31769 bits = 72.5357 mV 0.000907 M/S, Gain = 1, Break= 1974.05 ms



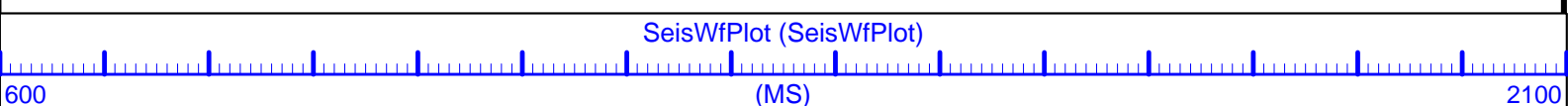
SHOT # 146 2-Aug-2004-11:26
 Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
 Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 14 bits = 2.1363 mV, Gain = 1

S1, pp= 45848 bits = 6996.0630 mV, Gain = 1, Break= 9.57 ms

WSTA Depth = 3026.6 M , Transit Time = 1964.95 ms

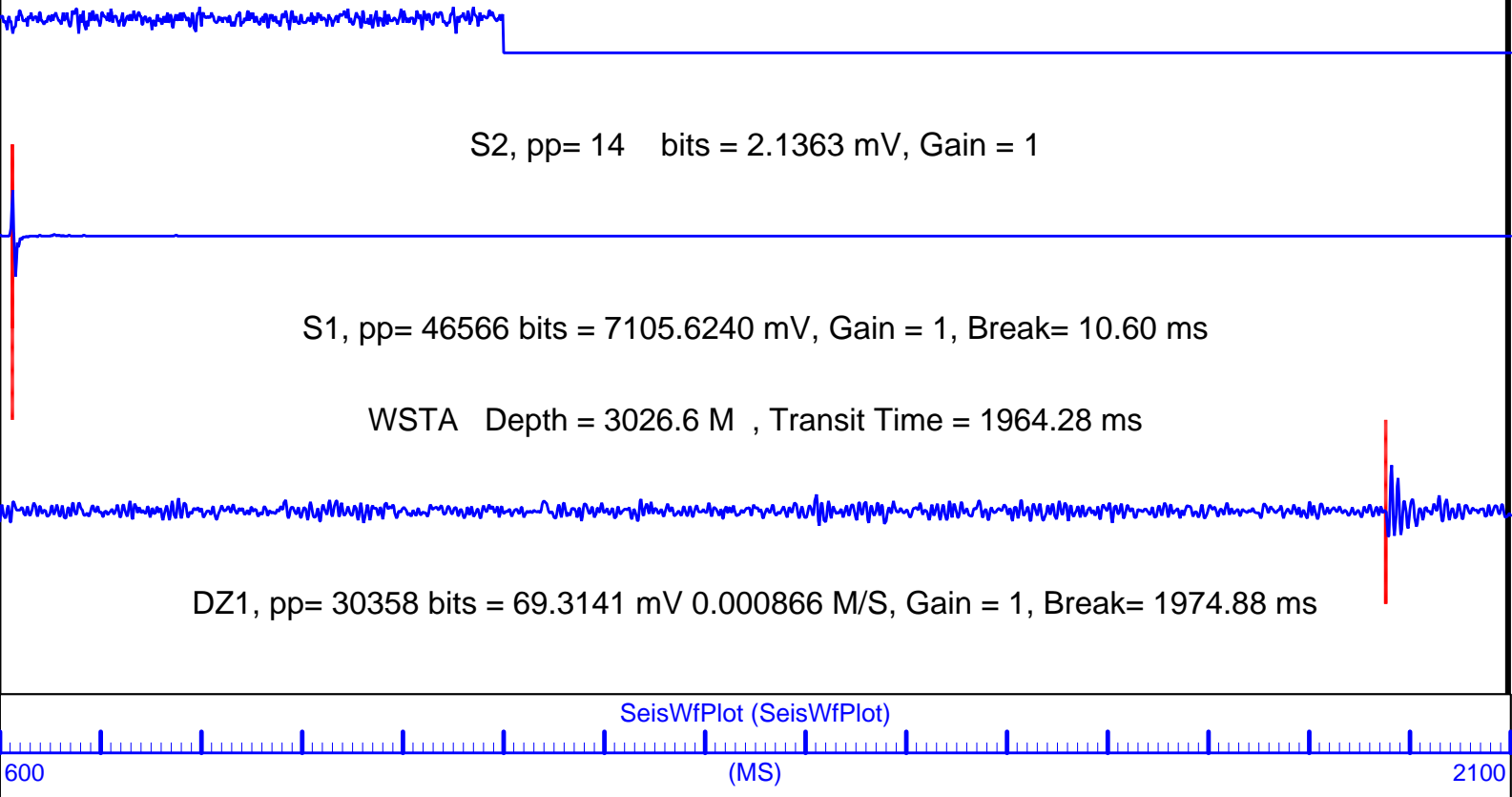
DZ1, pp= 46261 bits = 105.6242 mV 0.001320 M/S, Gain = 1, Break= 1974.52 ms



SHOT # 145 2-Aug-2004-11:26

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

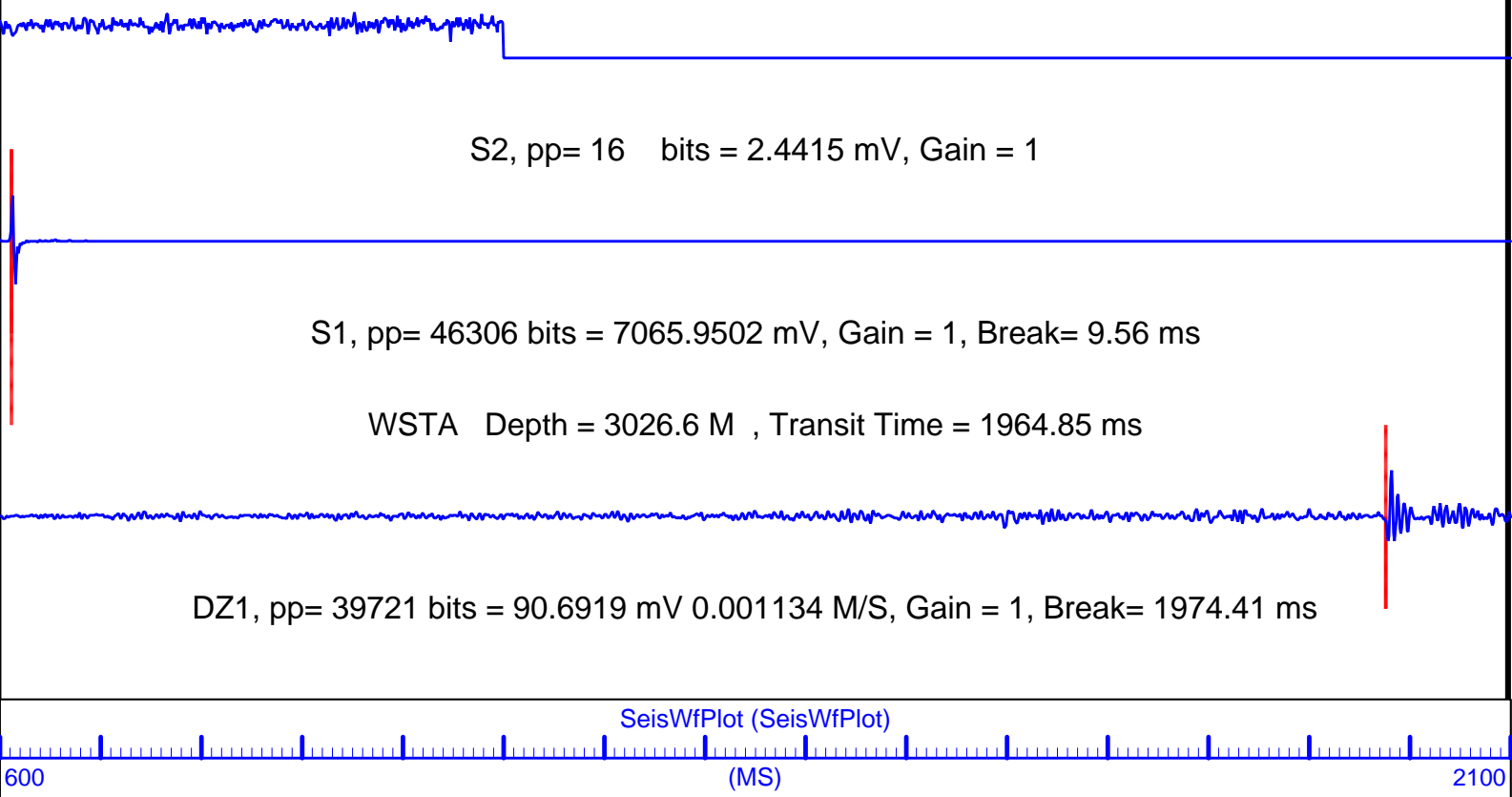
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



SHOT # 144 2-Aug-2004-11:26

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

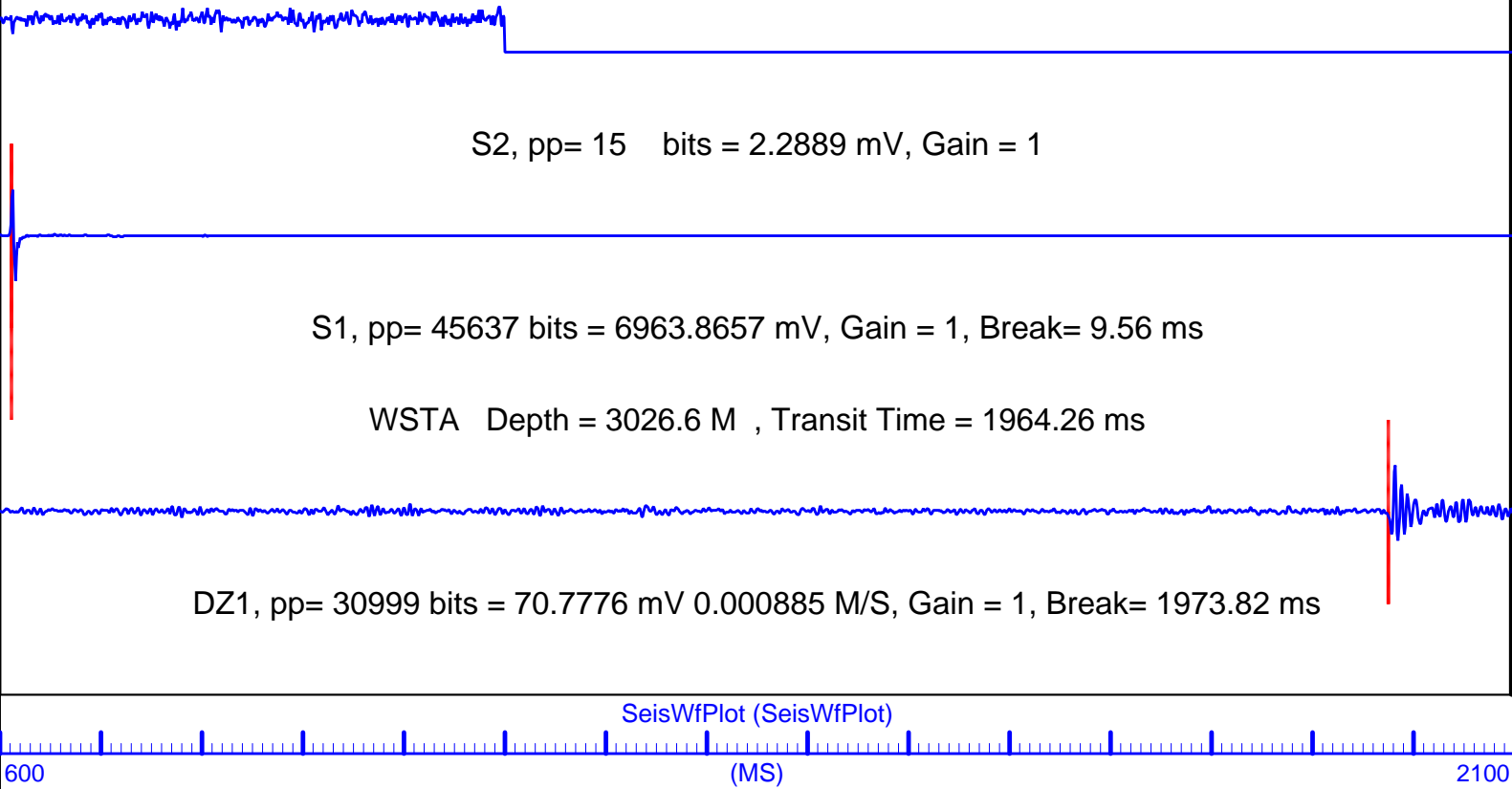
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



SHOT # 143 2-Aug-2004-11:25

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

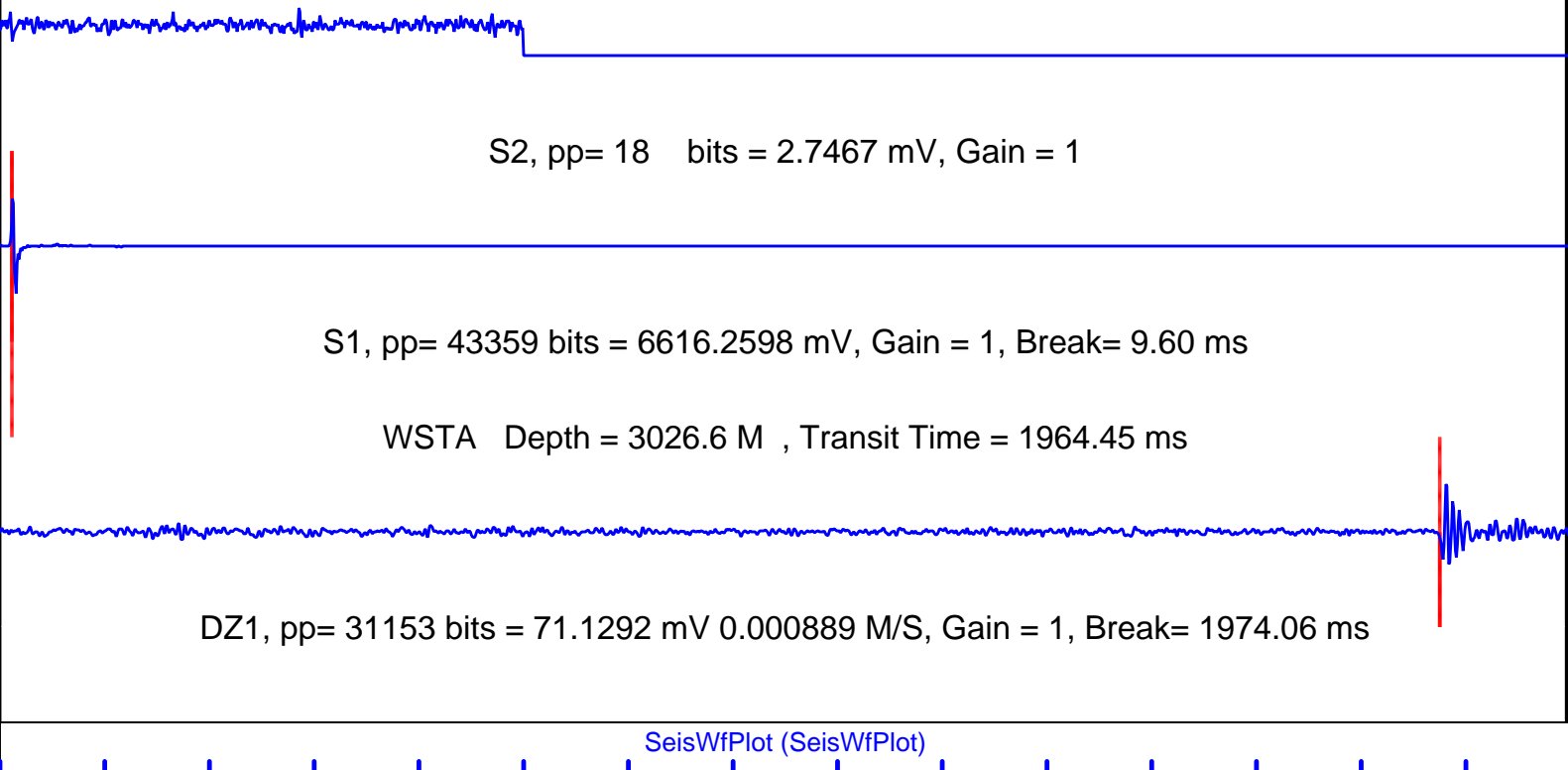
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



SHOT # 142 2-Aug-2004-11:25

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms



SHOT # 141 2-Aug-2004-11:25

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms



S2, pp= 15 bits = 2.2889 mV, Gain = 1

S1, pp= 43811 bits = 6685.2319 mV, Gain = 1, Break= 9.59 ms

WSTA Depth = 3026.6 M , Transit Time = 1964.66 ms



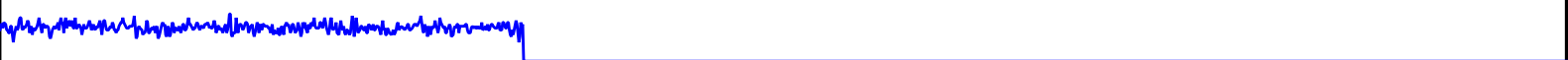
DZ1, pp= 34366 bits = 78.4652 mV 0.000981 M/S, Gain = 1, Break= 1974.26 ms

SeisWfPlot (SeisWfPlot)

SHOT # 140 2-Aug-2004-11:24

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms



S2, pp= 14 bits = 2.1363 mV, Gain = 1

S1, pp= 43547 bits = 6644.9473 mV, Gain = 1, Break= 9.59 ms

WSTA Depth = 3026.6 M , Transit Time = 1964.16 ms



DZ1, pp= 31649 bits = 72.2617 mV 0.000903 M/S, Gain = 1, Break= 1973.75 ms

SHOT # 139 2-Aug-2004-11:24

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 14 bits = 2.1363 mV, Gain = 1

S1, pp= 43683 bits = 6665.6997 mV, Gain = 1, Break= 9.62 ms

WSTA Depth = 3026.6 M , Transit Time = 1964.33 ms

DZ1, pp= 32413 bits = 74.0061 mV 0.000925 M/S, Gain = 1, Break= 1973.95 ms

SHOT # 138 2-Aug-2004-11:24

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

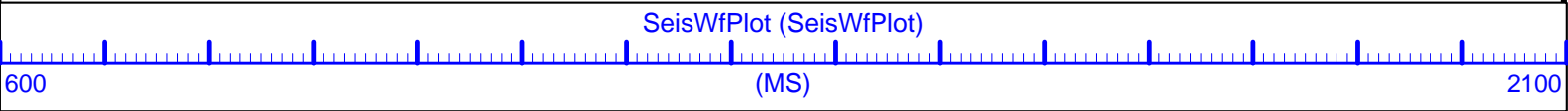
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 15 bits = 2.2889 mV, Gain = 1

S1, pp= 43063 bits = 6571.0928 mV, Gain = 1, Break= 9.61 ms

WSTA Depth = 3026.6 M , Transit Time = 1964.55 ms

DZ1, pp= 33424 bits = 76.3145 mV 0.000954 M/S, Gain = 1, Break= 1974.16 ms



SHOT # 137 2-Aug-2004-11:23
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



S2, pp= 14 bits = 2.1363 mV, Gain = 1

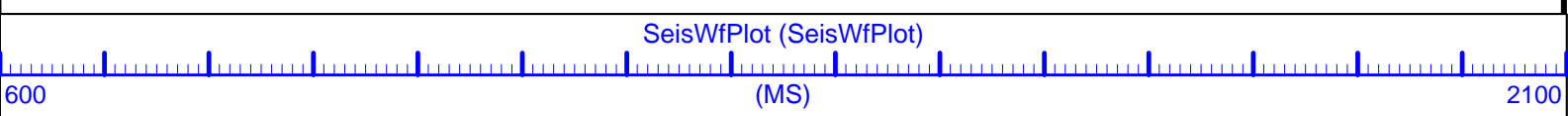


S1, pp= 43921 bits = 6702.0171 mV, Gain = 1, Break= 9.60 ms

WSTA Depth = 3026.6 M , Transit Time = 1964.35 ms



DZ1, pp= 29552 bits = 67.4738 mV 0.000843 M/S, Gain = 1, Break= 1973.95 ms



SHOT # 136 2-Aug-2004-11:23
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



S2, pp= 13 bits = 1.9837 mV, Gain = 1

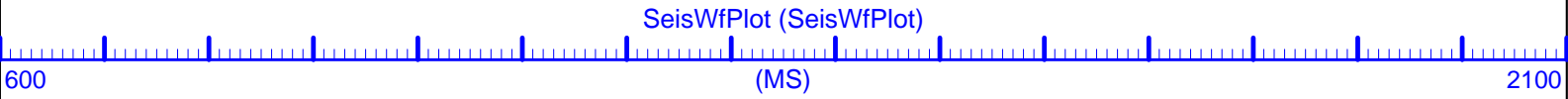


S1, pp= 43571 bits = 6648.6094 mV, Gain = 1, Break= 9.62 ms

WSTA Depth = 3026.6 M , Transit Time = 1964.96 ms



DZ1, pp= 32151 bits = 73.4079 mV 0.000918 M/S, Gain = 1, Break= 1974.57 ms



SHOT # 135 2-Aug-2004-11:23
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



S2, pp= 15 bits = 2.2889 mV, Gain = 1

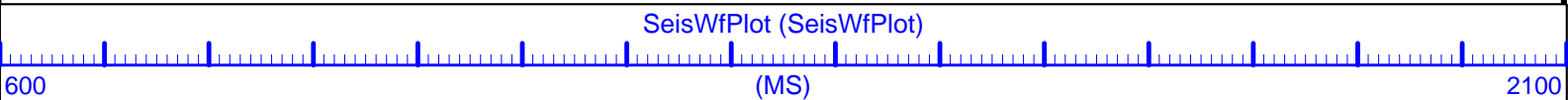


S1, pp= 42697 bits = 6515.2437 mV, Gain = 1, Break= 9.62 ms

WSTA Depth = 3026.6 M , Transit Time = 1963.93 ms



DZ1, pp= 33637 bits = 76.8008 mV 0.000960 M/S, Gain = 1, Break= 1973.55 ms



SHOT # 134 2-Aug-2004-11:22
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

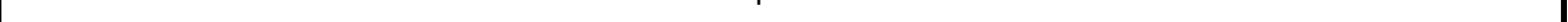


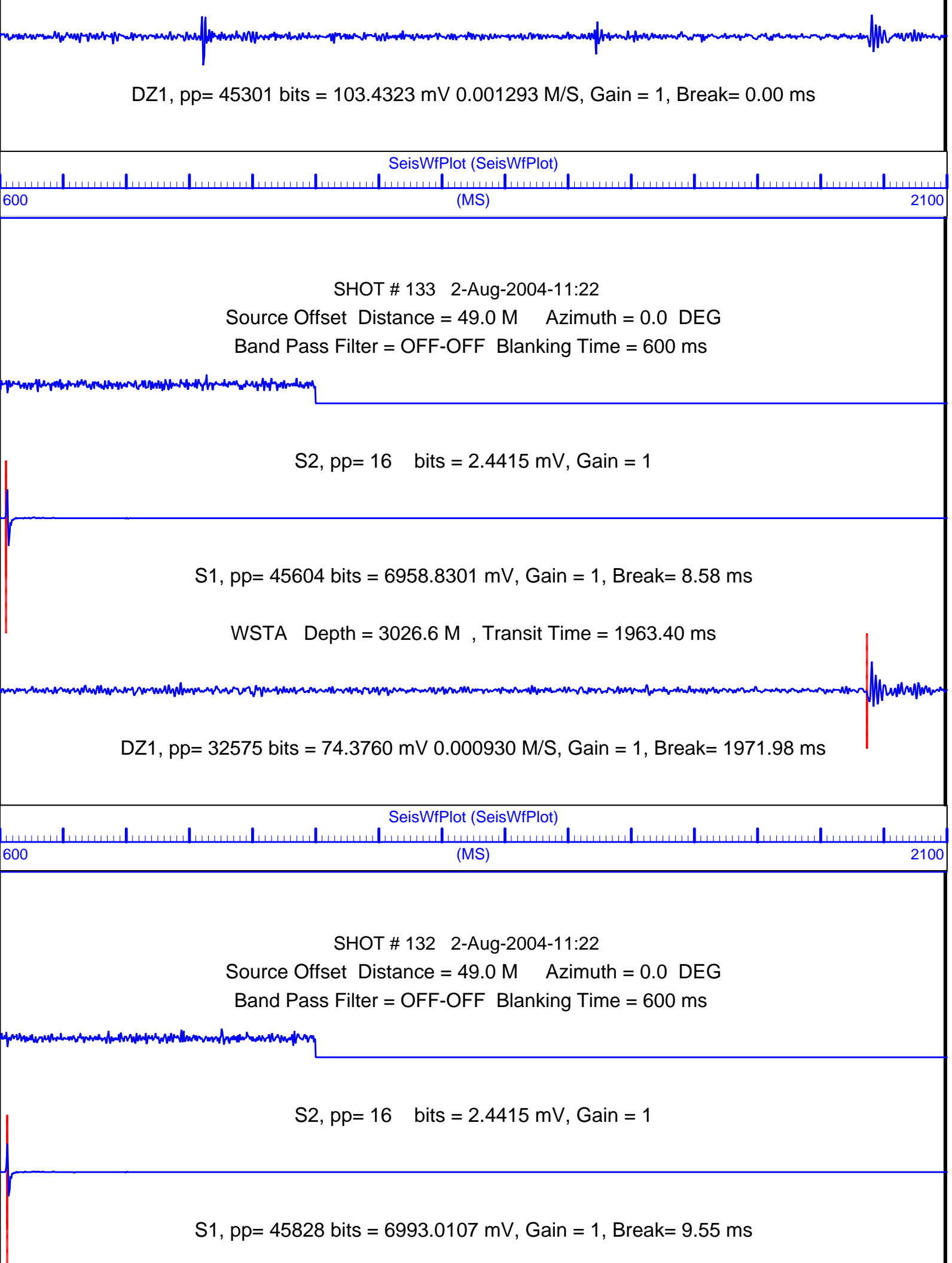
S2, pp= 15 bits = 2.2889 mV, Gain = 1



S1, pp= 46030 bits = 7023.8345 mV, Gain = 1, Break= 9.60 ms

WSTA Depth = 3026.6 M





DZ1, pp= 45301 bits = 103.4323 mV 0.001293 M/S, Gain = 1, Break= 0.00 ms

This figure displays seismic data for Shot 133, recorded on August 2, 2004, at 11:22. The data is presented in three vertically stacked panels. The top panel shows a blue seismic waveform with a prominent peak at the beginning. The middle panel contains text describing the shot parameters: SHOT # 133, 2-Aug-2004-11:22, Source Offset Distance = 49.0 M, Azimuth = 0.0 DEG, and Band Pass Filter = OFF-OFF Blanking Time = 600 ms. Below this text is a blue waveform that starts with a noisy segment and then drops to a flat line. The bottom panel shows another blue seismic waveform with a sharp peak at the end. A red vertical line is drawn at approximately 2000 ms on the time axis. The time axis is labeled 'SeisWfPlot (SeisWfPlot) (MS)' and has major ticks at 600 and 2100.

SeisWfPlot (SeisWfPlot)

600

(MS)

2100

SHOT # 133 2-Aug-2004-11:22

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 16 bits = 2.4415 mV, Gain = 1

S1, pp= 45604 bits = 6958.8301 mV, Gain = 1, Break= 8.58 ms

WSTA Depth = 3026.6 M , Transit Time = 1963.40 ms

DZ1, pp= 32575 bits = 74.3760 mV 0.000930 M/S, Gain = 1, Break= 1971.98 ms

SeisWfPlot (SeisWfPlot)

600

(MS)

2100

SHOT # 132 2-Aug-2004-11:22

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 16 bits = 2.4415 mV, Gain = 1

S1, pp= 45828 bits = 6993.0107 mV, Gain = 1, Break= 9.55 ms

WSTA Depth = 3026.6 M , Transit Time = 1963.87 ms



DZ1, pp= 31769 bits = 72.5357 mV 0.000907 M/S, Gain = 1, Break= 1973.41 ms

SeisWfPlot (SeisWfPlot)



STACK # 2 2-Aug-2004-11:19 Shots: 116-117-118-119-120-121-122-123-124-126-127-128-

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms



S1, pp= 43720 bits = 6671.3457 mV, Gain = 1, Break= 8.55 ms

WSTA Depth = 3031.7 M , Transit Time = 1965.27 ms

DZ1, pp= 28927 bits = 66.0468 mV 0.000826 M/S, Gain = 1, Break= 1973.81 ms

SeisWfPlot (SeisWfPlot)



SHOT # 131 2-Aug-2004-11:18

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

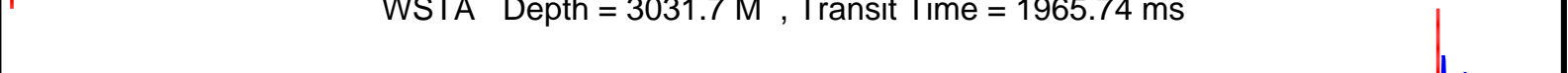
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



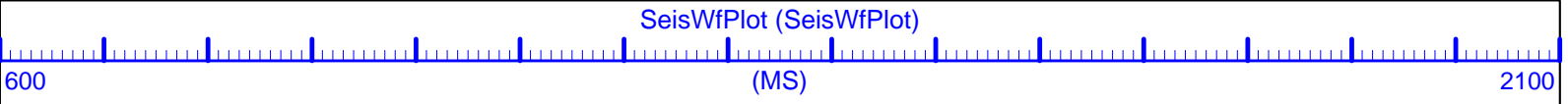
S2, pp= 13 bits = 1.9837 mV, Gain = 1

S1, pp= 43848 bits = 6690.8774 mV, Gain = 1, Break= 9.61 ms

WSTA Depth = 3031.7 M , Transit Time = 1965.74 ms



DZ1, pp= 25465 bits = 58.1423 mV 0.000727 M/S, Gain = 1, Break= 1975.36 ms



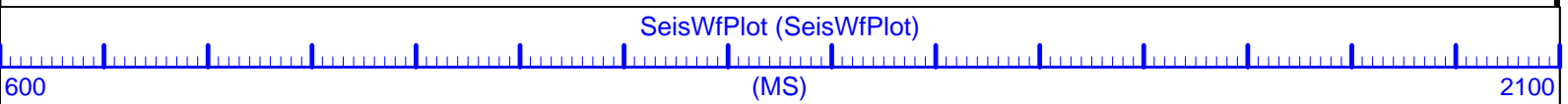
SHOT # 130 2-Aug-2004-11:18
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 15 bits = 2.2889 mV, Gain = 1

S1, pp= 43535 bits = 6643.1162 mV, Gain = 1, Break= 9.61 ms

WSTA Depth = 3031.7 M , Transit Time = 1965.41 ms

DZ1, pp= 27892 bits = 63.6837 mV 0.000796 M/S, Gain = 1, Break= 1975.02 ms



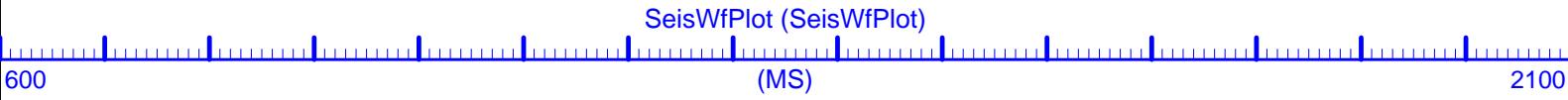
SHOT # 129 2-Aug-2004-11:17
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 15 bits = 2.2889 mV, Gain = 1

S1, pp= 43814 bits = 6685.6895 mV, Gain = 1, Break= 9.61 ms

WSTA Depth = 3031.7 M , Transit Time = 1964.15 ms

DZ1, pp= 24568 bits = 56.0942 mV 0.000701 M/S, Gain = 1, Break= 1973.75 ms



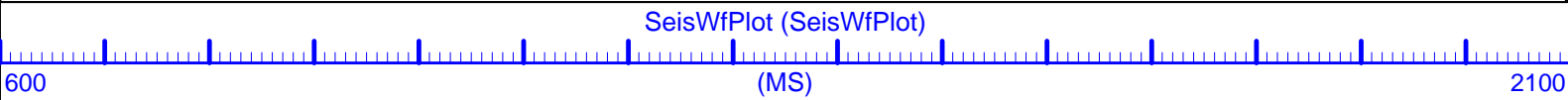
SHOT # 128 2-Aug-2004-11:17
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 17 bits = 2.5941 mV, Gain = 1

S1, pp= 43415 bits = 6624.8052 mV, Gain = 1, Break= 9.59 ms

WSTA Depth = 3031.7 M , Transit Time = 1965.22 ms

DZ1, pp= 25926 bits = 59.1948 mV 0.000740 M/S, Gain = 1, Break= 1974.81 ms



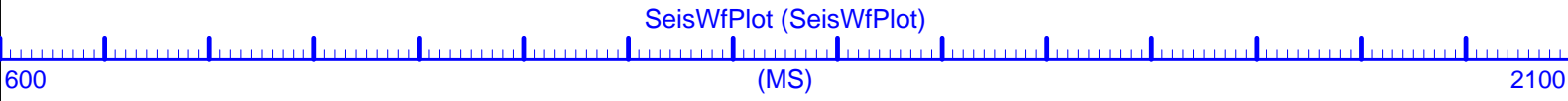
SHOT # 127 2-Aug-2004-11:17
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 17 bits = 2.5941 mV, Gain = 1

S1, pp= 42940 bits = 6552.3237 mV, Gain = 1, Break= 9.61 ms

WSTA Depth = 3031.7 M , Transit Time = 1965.42 ms

DZ1, pp= 26329 bits = 60.1150 mV 0.000751 M/S, Gain = 1, Break= 1975.03 ms



SHOT # 126 2-Aug-2004-11:16

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

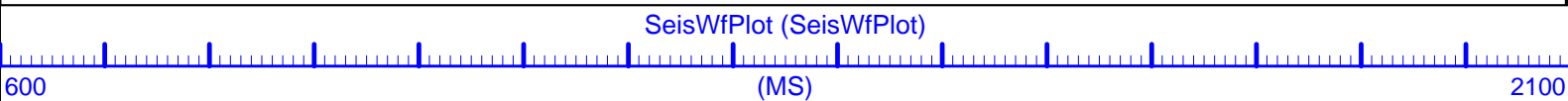


S2, pp= 13 bits = 1.9837 mV, Gain = 1

S1, pp= 44246 bits = 6751.6094 mV, Gain = 1, Break= 9.59 ms

WSTA Depth = 3031.7 M , Transit Time = 1964.96 ms

DZ1, pp= 26991 bits = 61.6265 mV 0.000770 M/S, Gain = 1, Break= 1974.55 ms



SHOT # 125 2-Aug-2004-11:16

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

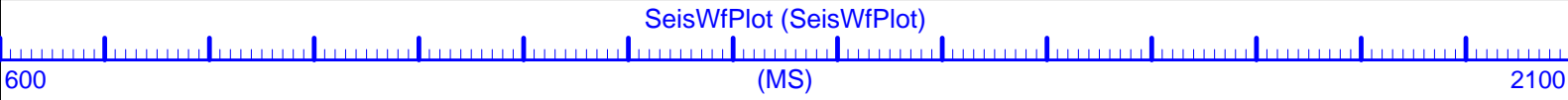


S2, pp= 15 bits = 2.2889 mV, Gain = 1

S1, pp= 44958 bits = 6860.2554 mV, Gain = 1, Break= 9.59 ms

WSTA Depth = 3031.7 M , Transit Time = 1964.28 ms

DZ1, pp= 26145 bits = 59.6949 mV 0.000746 M/S, Gain = 1, Break= 1973.87 ms



SHOT # 124 2-Aug-2004-11:15

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

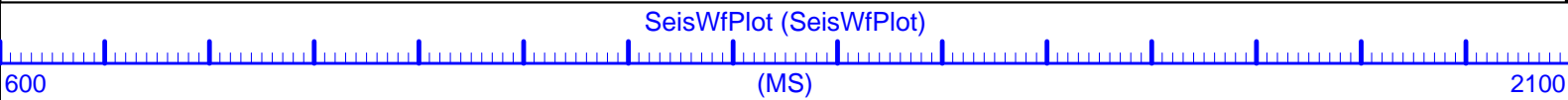


S2, pp= 16 bits = 2.4415 mV, Gain = 1

S1, pp= 44680 bits = 6817.8345 mV, Gain = 1, Break= 9.59 ms

WSTA Depth = 3031.7 M , Transit Time = 1965.56 ms

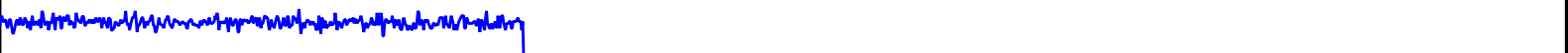
DZ1, pp= 28050 bits = 64.0444 mV 0.000801 M/S, Gain = 1, Break= 1975.15 ms



SHOT # 123 2-Aug-2004-11:15

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

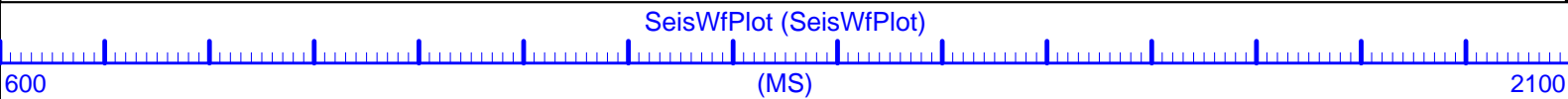


S2, pp= 13 bits = 1.9837 mV, Gain = 1

S1, pp= 45882 bits = 7001.2510 mV, Gain = 1, Break= 9.58 ms

WSTA Depth = 3031.7 M , Transit Time = 1964.82 ms

DZ1, pp= 27700 bits = 63.2453 mV 0.000791 M/S, Gain = 1, Break= 1974.41 ms



SHOT # 122 2-Aug-2004-11:15

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

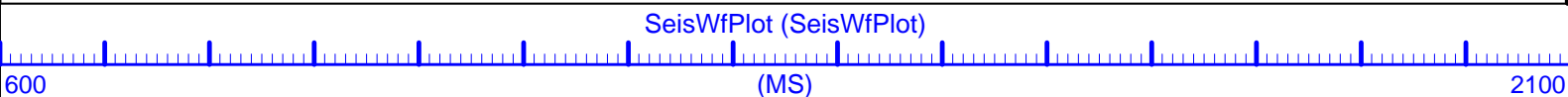


S2, pp= 14 bits = 2.1363 mV, Gain = 1

S1, pp= 45507 bits = 6944.0288 mV, Gain = 1, Break= 9.61 ms

WSTA Depth = 3031.7 M , Transit Time = 1965.69 ms

DZ1, pp= 28378 bits = 64.7933 mV 0.000810 M/S, Gain = 1, Break= 1975.30 ms



SHOT # 121 2-Aug-2004-11:14

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

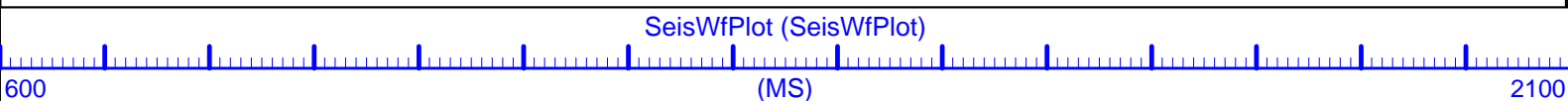


S2, pp= 14 bits = 2.1363 mV, Gain = 1

S1, pp= 46542 bits = 7101.9619 mV, Gain = 1, Break= 9.58 ms

WSTA Depth = 3031.7 M , Transit Time = 1964.98 ms

DZ1, pp= 28402 bits = 64.8481 mV 0.000811 M/S, Gain = 1, Break= 1974.56 ms



SHOT # 120 2-Aug-2004-11:14

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

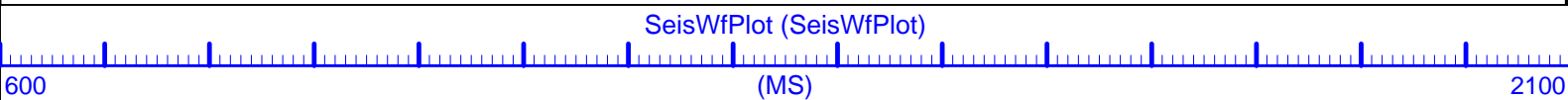
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 17 bits = 2.5941 mV, Gain = 1

S1, pp= 46289 bits = 7063.3560 mV, Gain = 1, Break= 9.58 ms

WSTA Depth = 3031.7 M , Transit Time = 1964.51 ms

DZ1, pp= 23471 bits = 53.5895 mV 0.000670 M/S, Gain = 1, Break= 1974.09 ms



SHOT # 119 2-Aug-2004-11:14

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 15 bits = 2.2889 mV, Gain = 1

S1, pp= 46112 bits = 7036.3472 mV, Gain = 1, Break= 9.56 ms

WSTA Depth = 3031.7 M , Transit Time = 1964.75 ms

DZ1, pp= 25531 bits = 58.2930 mV 0.000729 M/S, Gain = 1, Break= 1974.31 ms

SeisWfPlot (SeisWfPlot)

600

(MS)

2100

SHOT # 118 2-Aug-2004-11:13

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 16 bits = 2.4415 mV, Gain = 1

S1, pp= 43296 bits = 6606.6465 mV, Gain = 1, Break= 8.60 ms

WSTA Depth = 3031.7 M , Transit Time = 1965.17 ms

DZ1, pp= 26466 bits = 60.4278 mV 0.000755 M/S, Gain = 1, Break= 1973.76 ms

SeisWfPlot (SeisWfPlot)

600

(MS)

2100

SHOT # 117 2-Aug-2004-11:13

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 18 bits = 2.7467 mV, Gain = 1

S1, pp= 42950 bits = 6553.8496 mV, Gain = 1, Break= 8.59 ms

WSTA Depth = 3031.7 M , Transit Time = 1965.12 ms

DZ1, pp= 24519 bits = 55.9823 mV 0.000700 M/S, Gain = 1, Break= 1973.71 ms

SeisWfPlot (SeisWfPlot)

600

(MS)

2100

SHOT # 116 2-Aug-2004-11:13

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 14 bits = 2.1363 mV, Gain = 1

S1, pp= 43720 bits = 6671.3457 mV, Gain = 1, Break= 8.55 ms

WSTA Depth = 3031.7 M , Transit Time = 1965.48 ms

DZ1, pp= 28927 bits = 66.0468 mV 0.000826 M/S, Gain = 1, Break= 1974.03 ms

SeisWfPlot (SeisWfPlot)

600

(MS)

2100

STACK # 1 2-Aug-2004-11:12 Shots: 100-102-103-104-105-106-107-108-109-110-111-112-

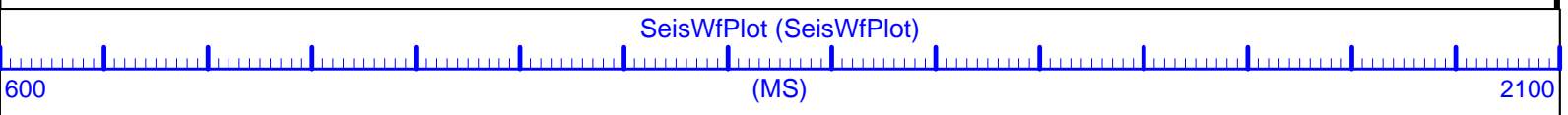
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S1, pp= 42547 bits = 6492.3550 mV, Gain = 1, Break= 9.61 ms

WSTA Depth = 3050.0 M , Transit Time = 1969.40 ms

DZ1, pp= 25989 bits = 59.3387 mV 0.000742 M/S, Gain = 1, Break= 1979.01 ms



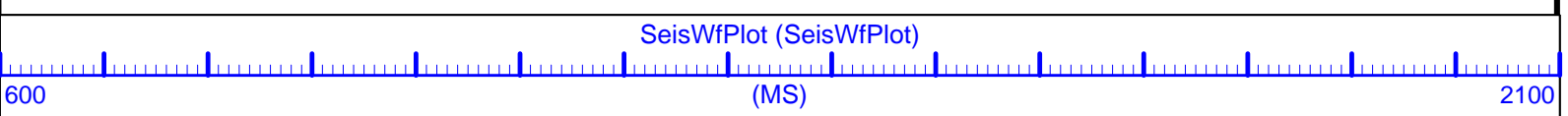
SHOT # 115 2-Aug-2004-11:00
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 14 bits = 2.1363 mV, Gain = 1

S1, pp= 43394 bits = 6621.6006 mV, Gain = 1, Break= 9.62 ms

WSTA Depth = 3050.0 M

DZ1, pp= 30099 bits = 68.7227 mV 0.000859 M/S, Gain = 1, Break= 0.00 ms



SHOT # 114 2-Aug-2004-11:00
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 16 bits = 2.4415 mV, Gain = 1

S1, pp= 43032 bits = 6566.3623 mV, Gain = 1, Break= 9.62 ms

WSTA Depth = 3050.0 M , Transit Time = 1967.93 ms

DZ1, pp= 33013 bits = 75.3760 mV 0.000942 M/S, Gain = 1, Break= 1977.56 ms

SeisWfPlot (SeisWfPlot)

600

(MS)

2100

SHOT # 113 2-Aug-2004-10:59

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 14 bits = 2.1363 mV, Gain = 1

S1, pp= 43372 bits = 6618.2437 mV, Gain = 1, Break= 9.61 ms

WSTA Depth = 3050.0 M , Transit Time = 1970.58 ms

DZ1, pp= 31387 bits = 71.6635 mV 0.000896 M/S, Gain = 1, Break= 1980.19 ms

SeisWfPlot (SeisWfPlot)

600

(MS)

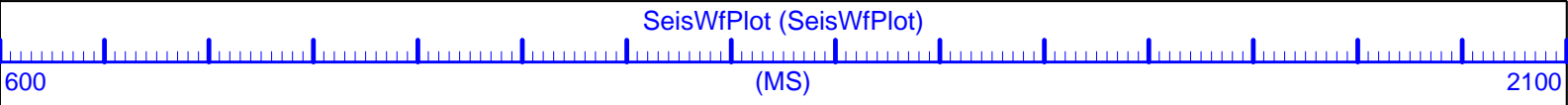
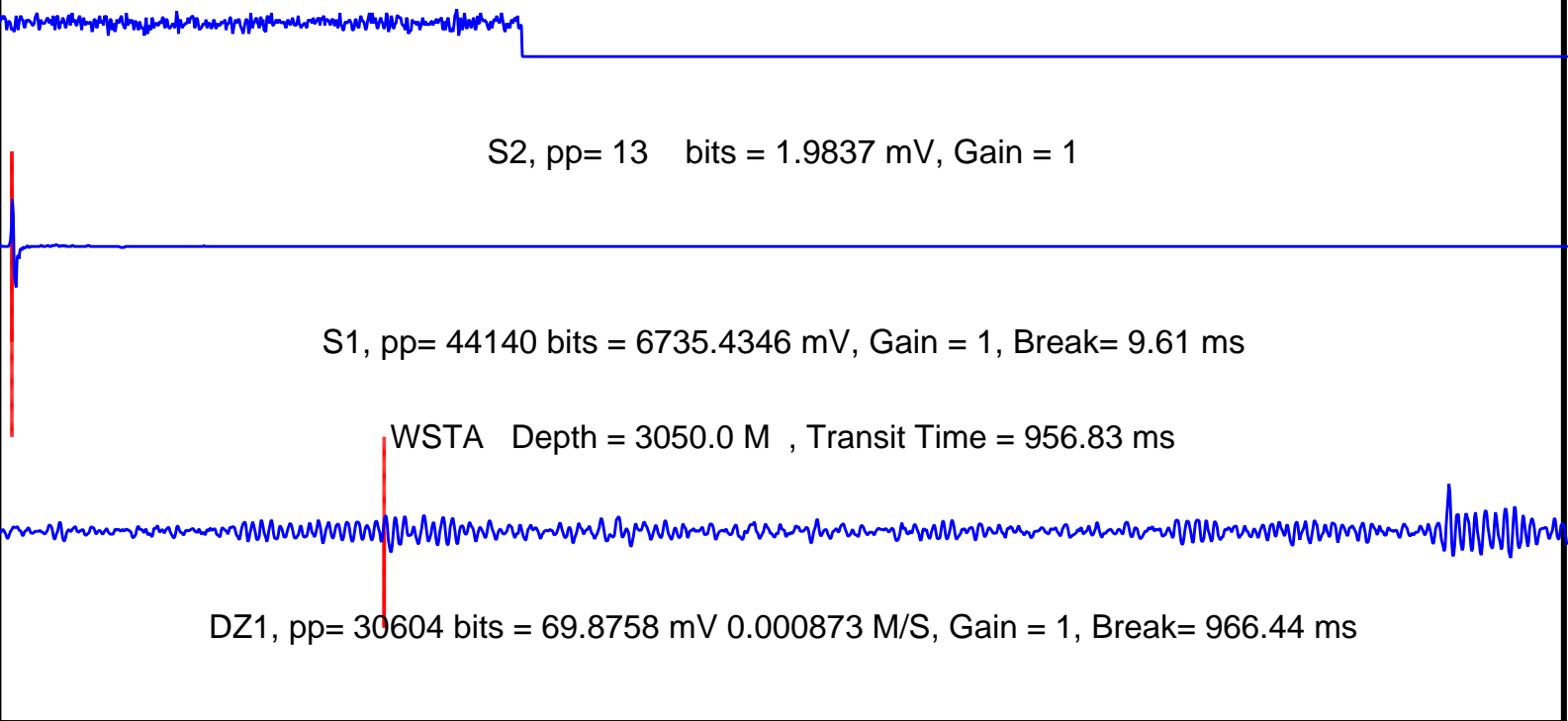
2100

SHOT # 112 2-Aug-2004-10:59

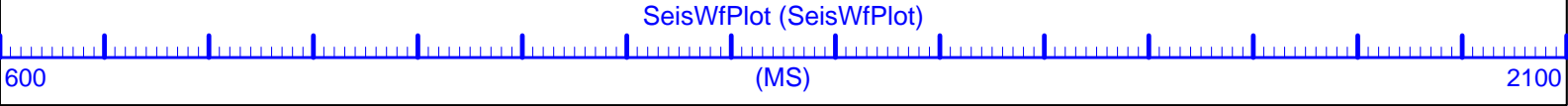
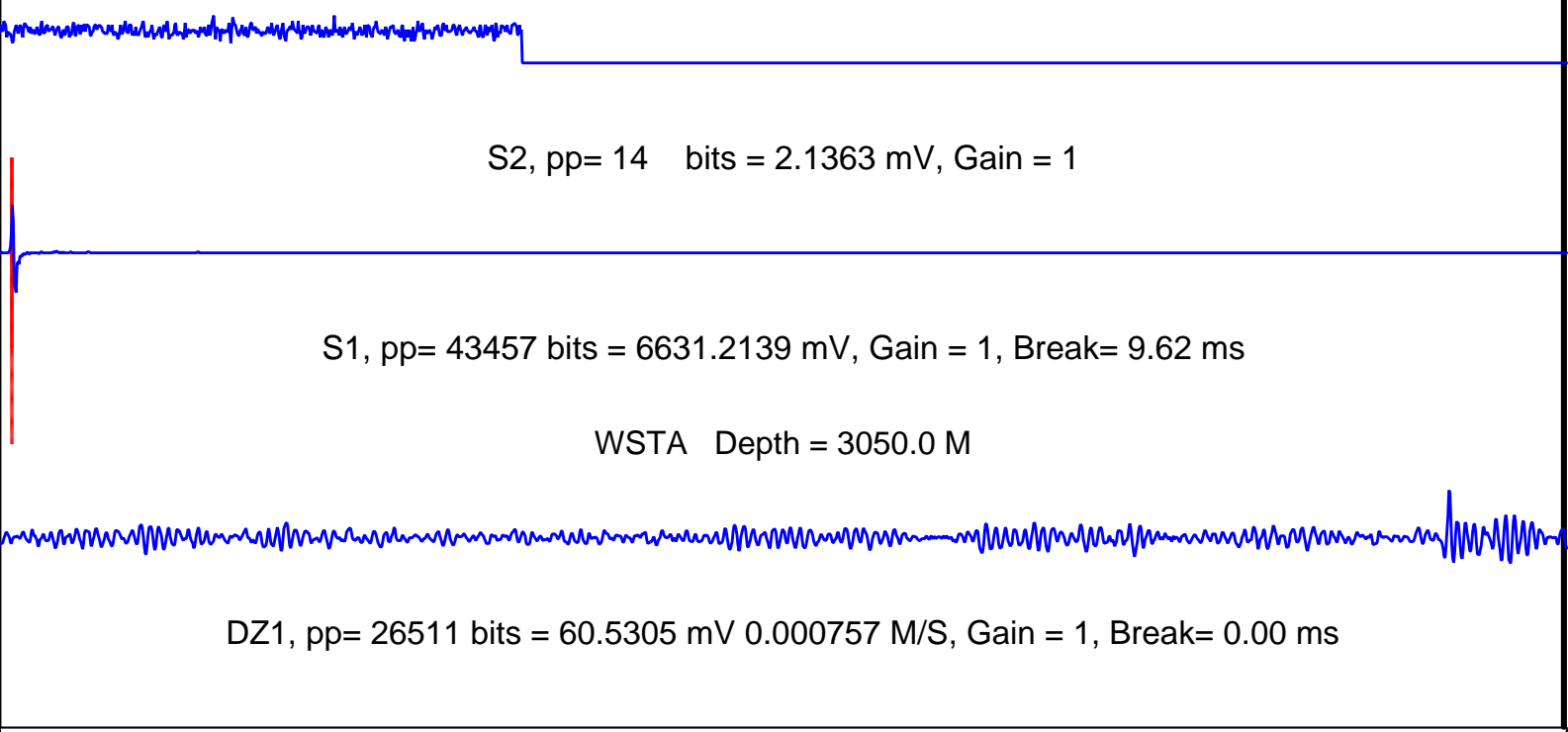
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

Band Pass Filter = OFF-OFF Blanking Time = 600 ms



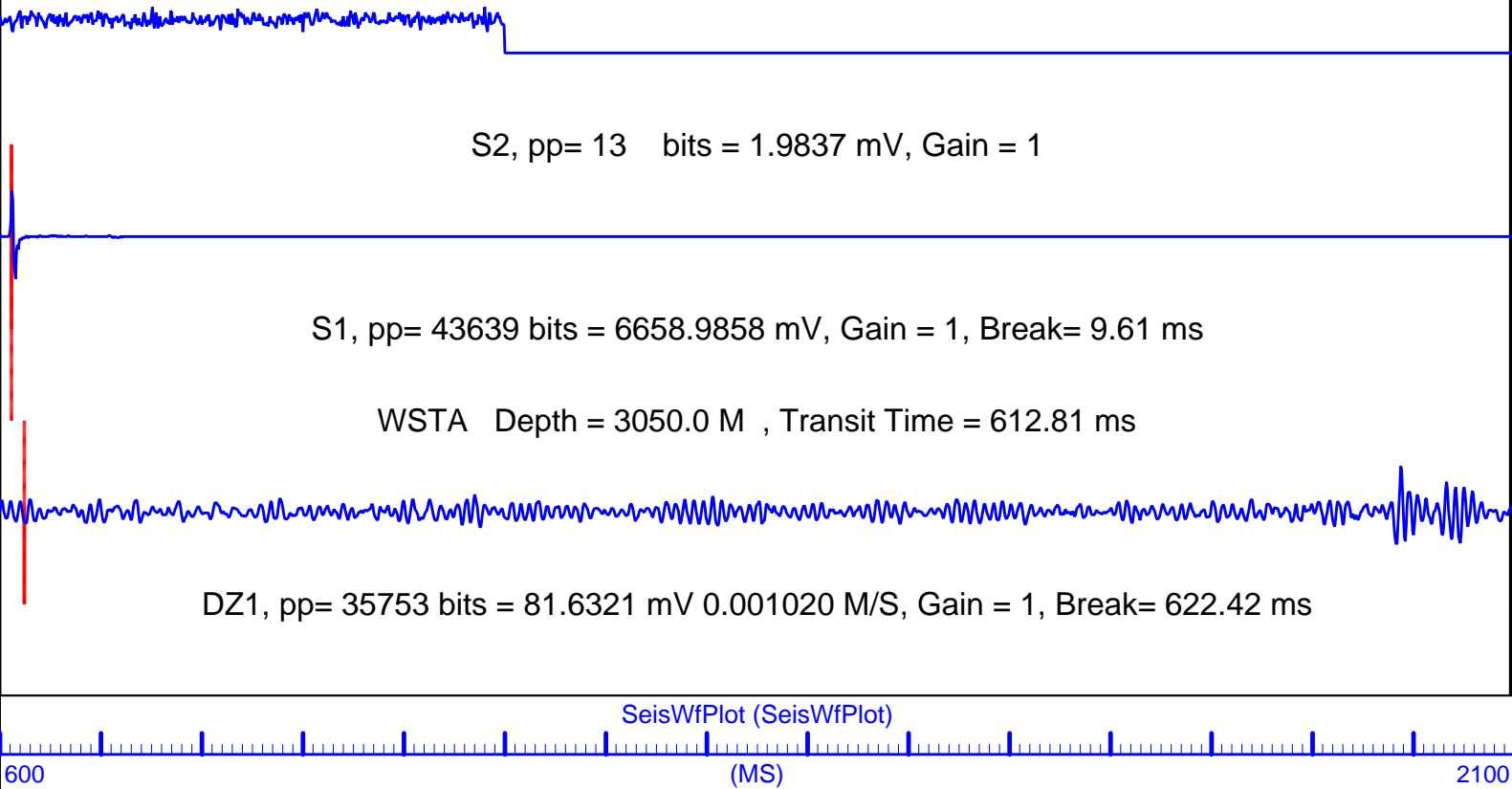
SHOT # 111 2-Aug-2004-10:59
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



SHOT # 110 2-Aug-2004-10:58

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

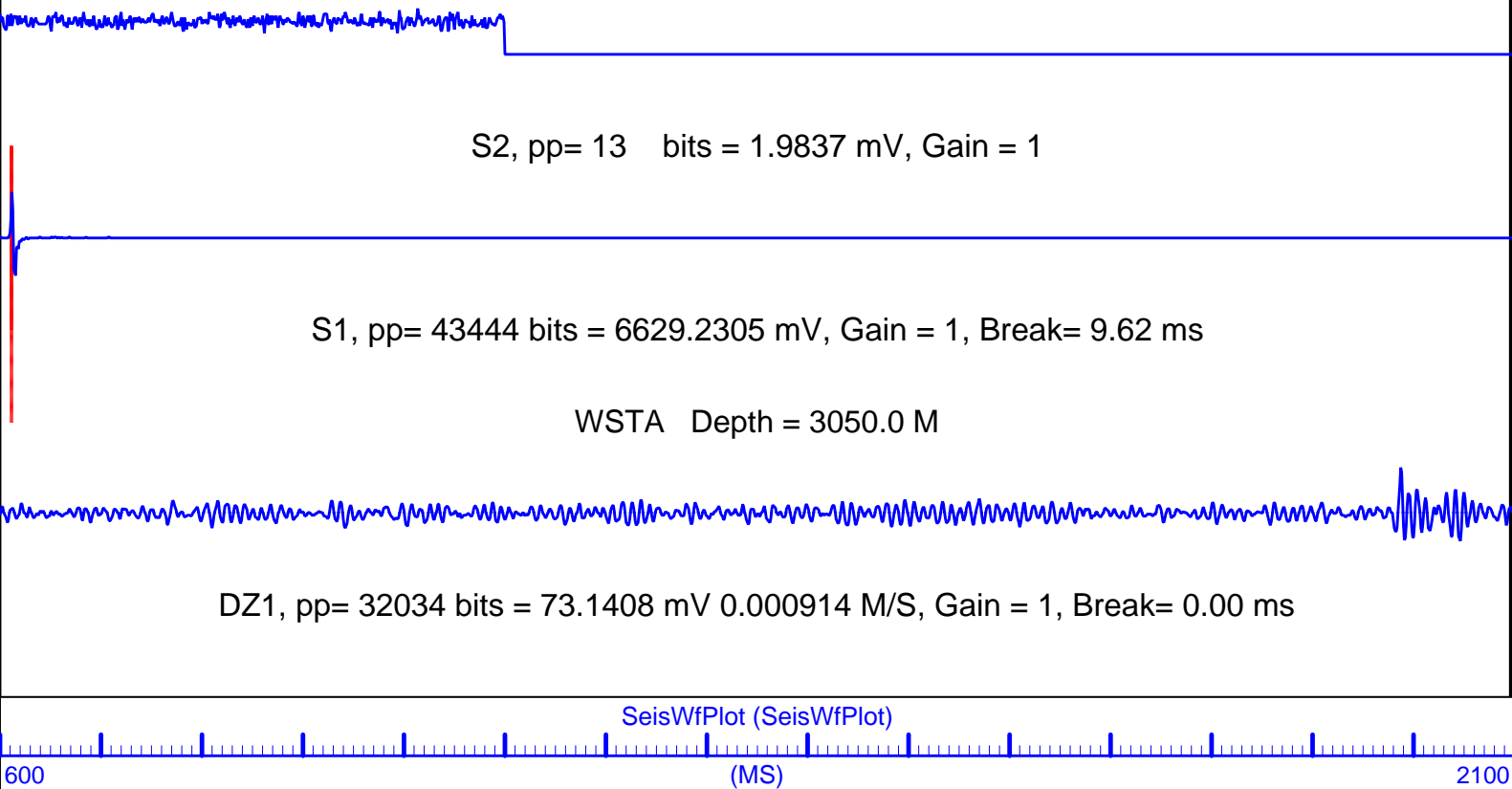
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



SHOT # 109 2-Aug-2004-10:58

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

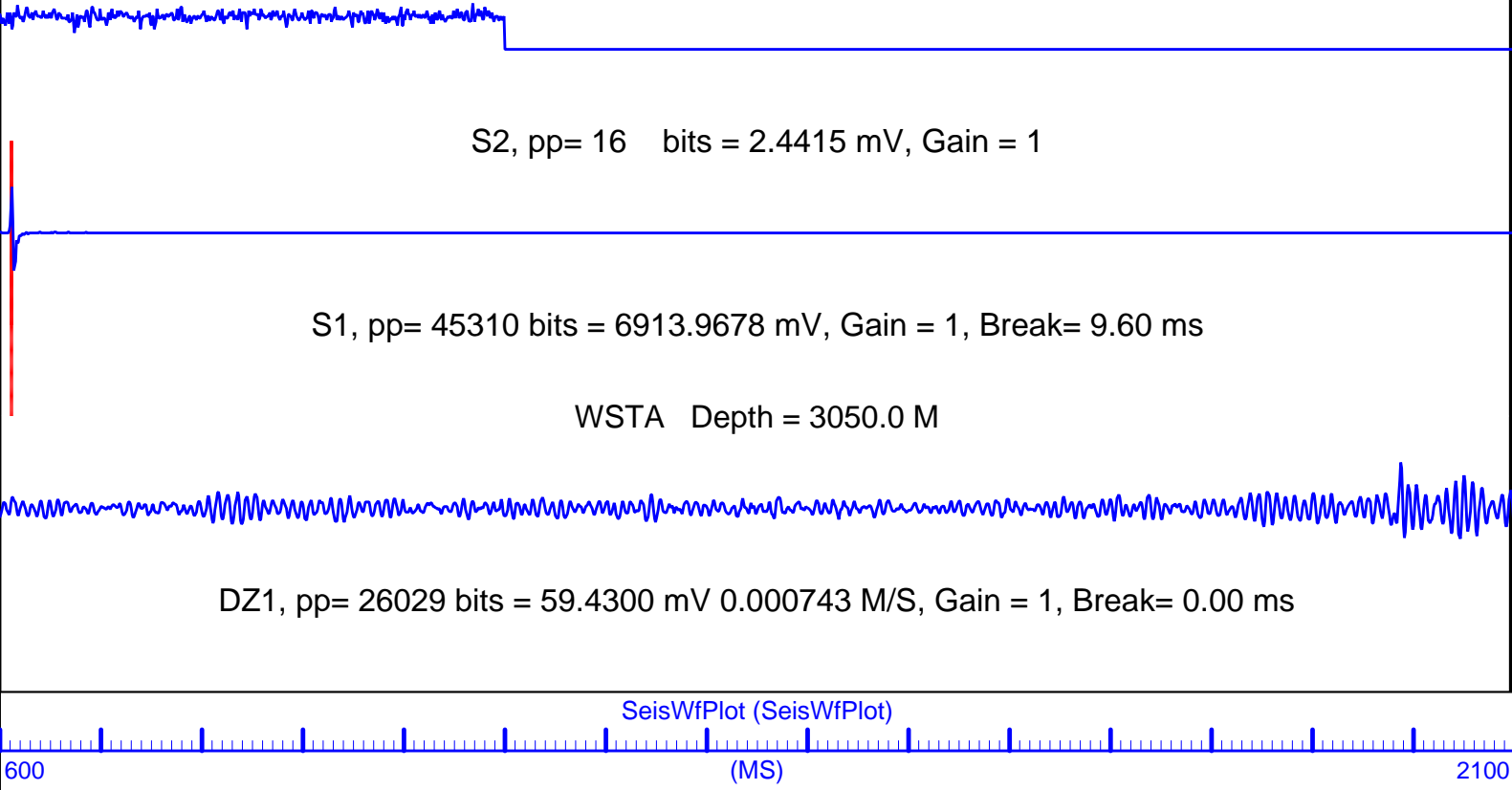
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



SHOT # 108 2-Aug-2004-10:57

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

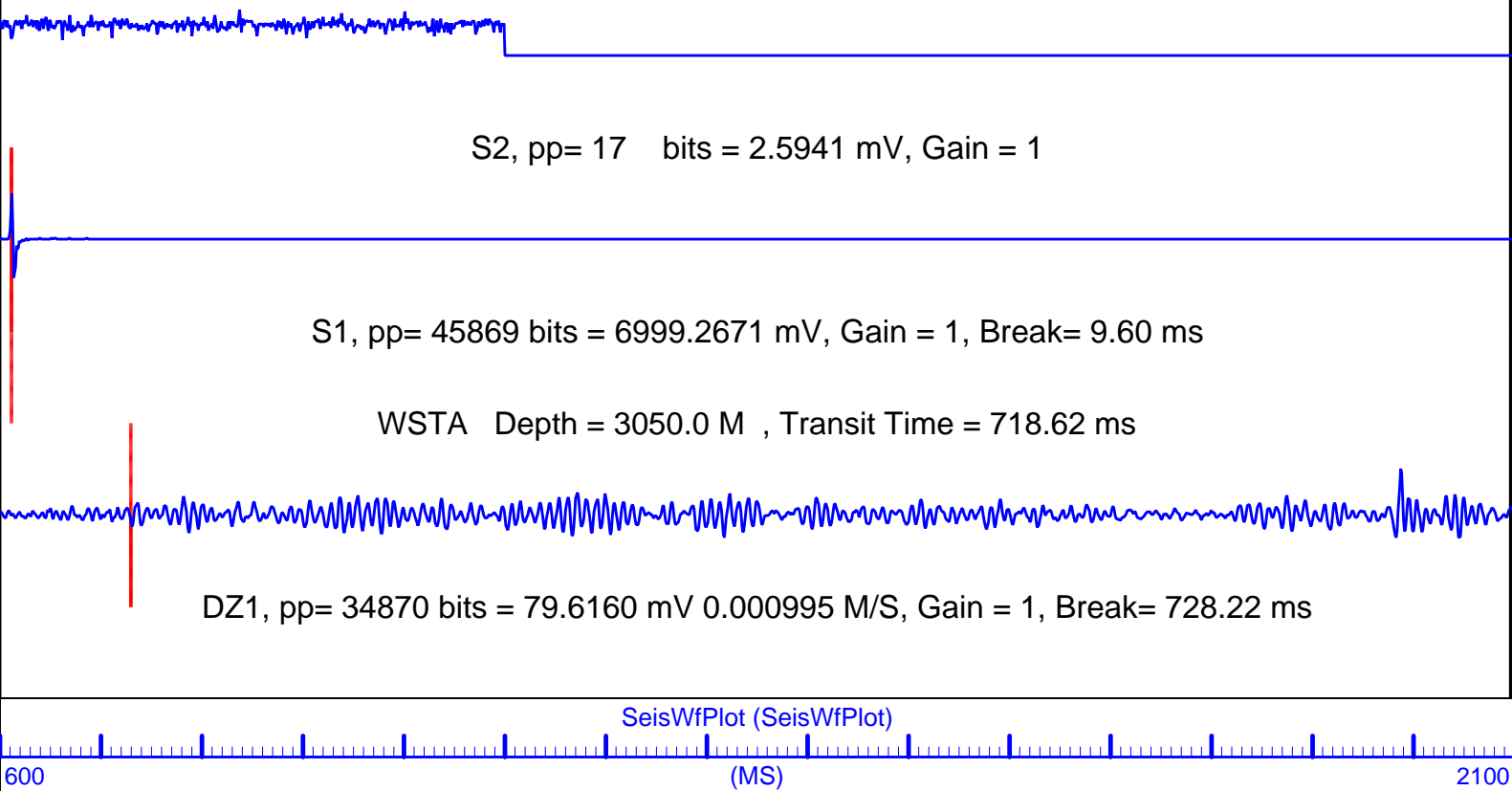
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



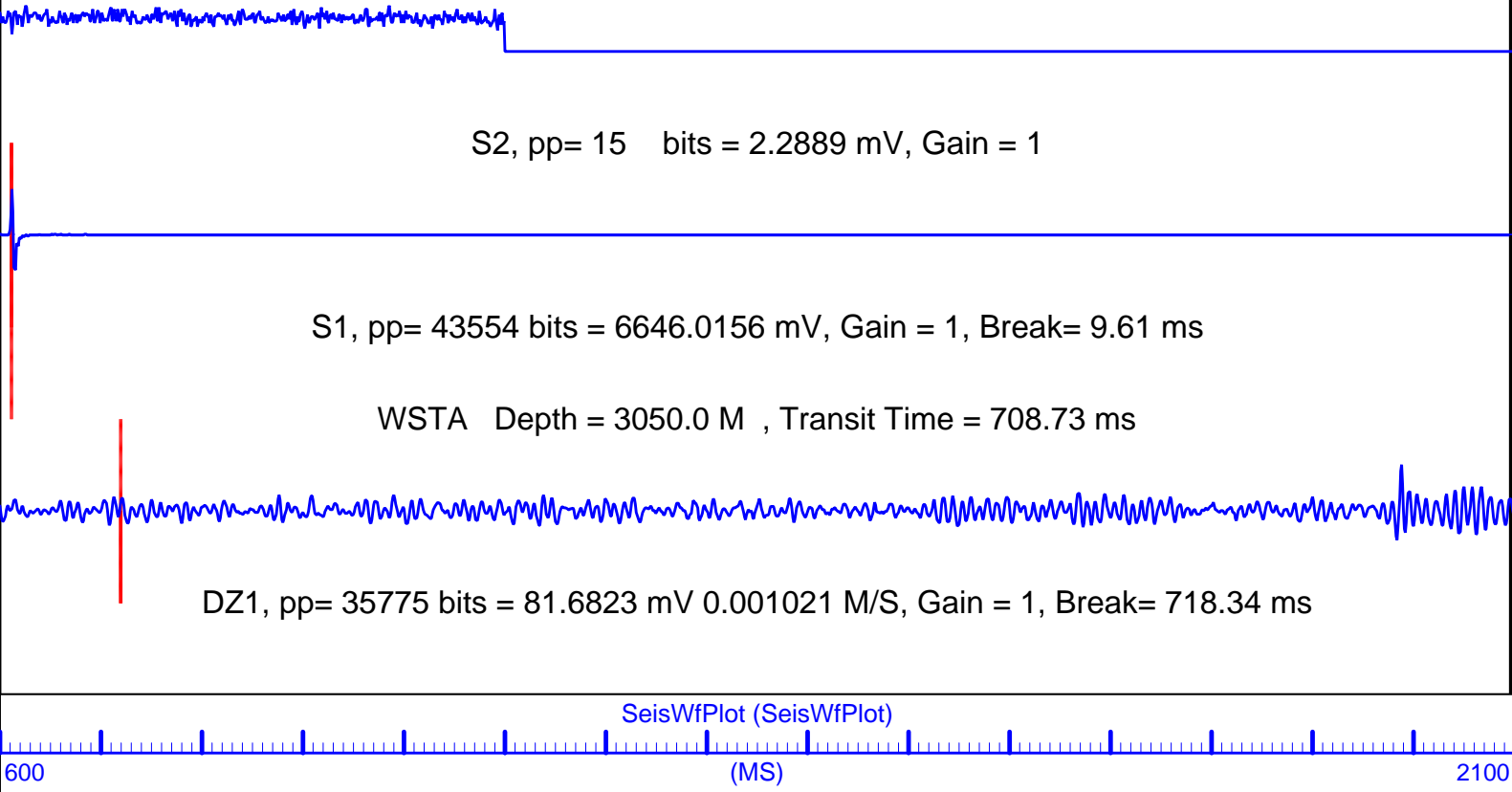
SHOT # 107 2-Aug-2004-10:57

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

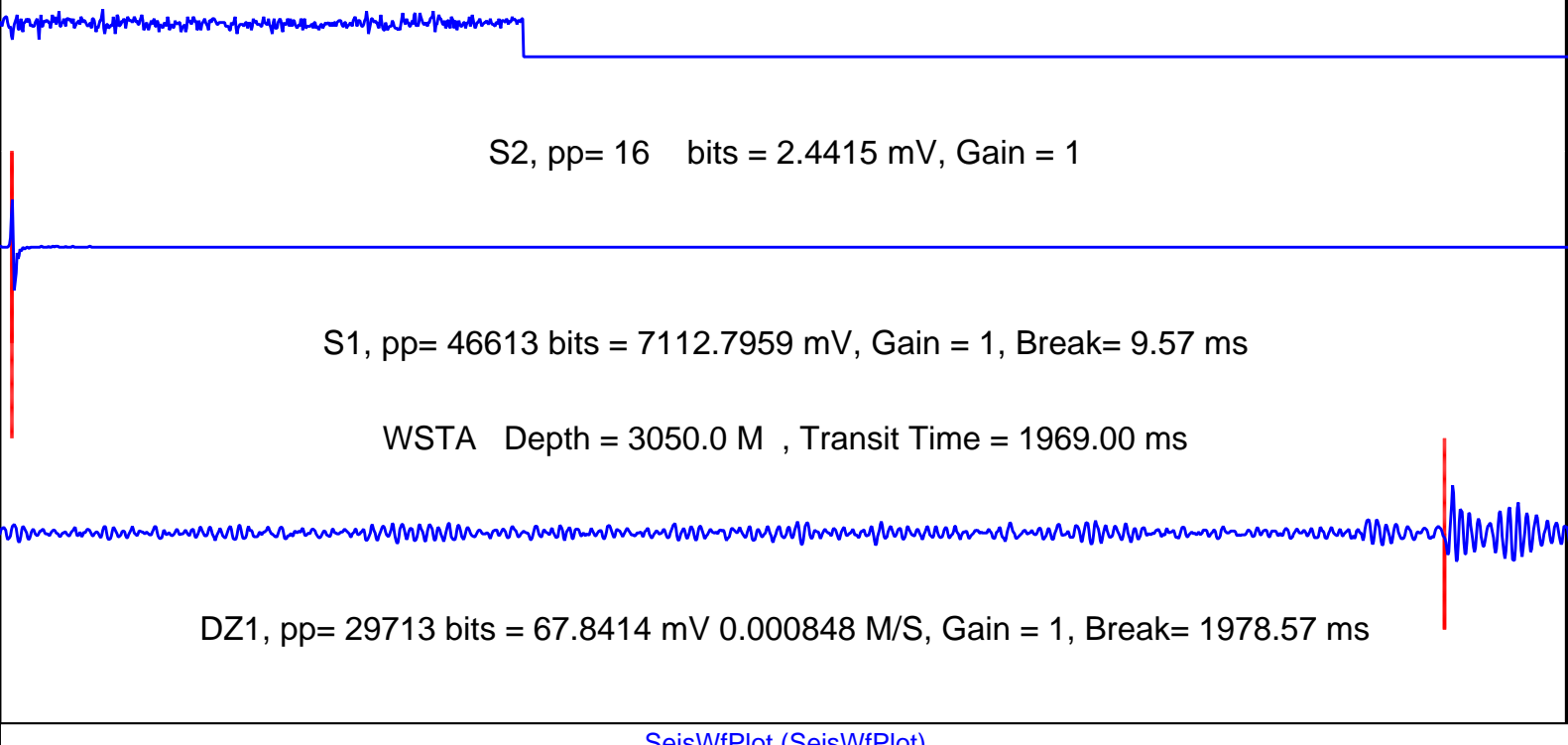
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

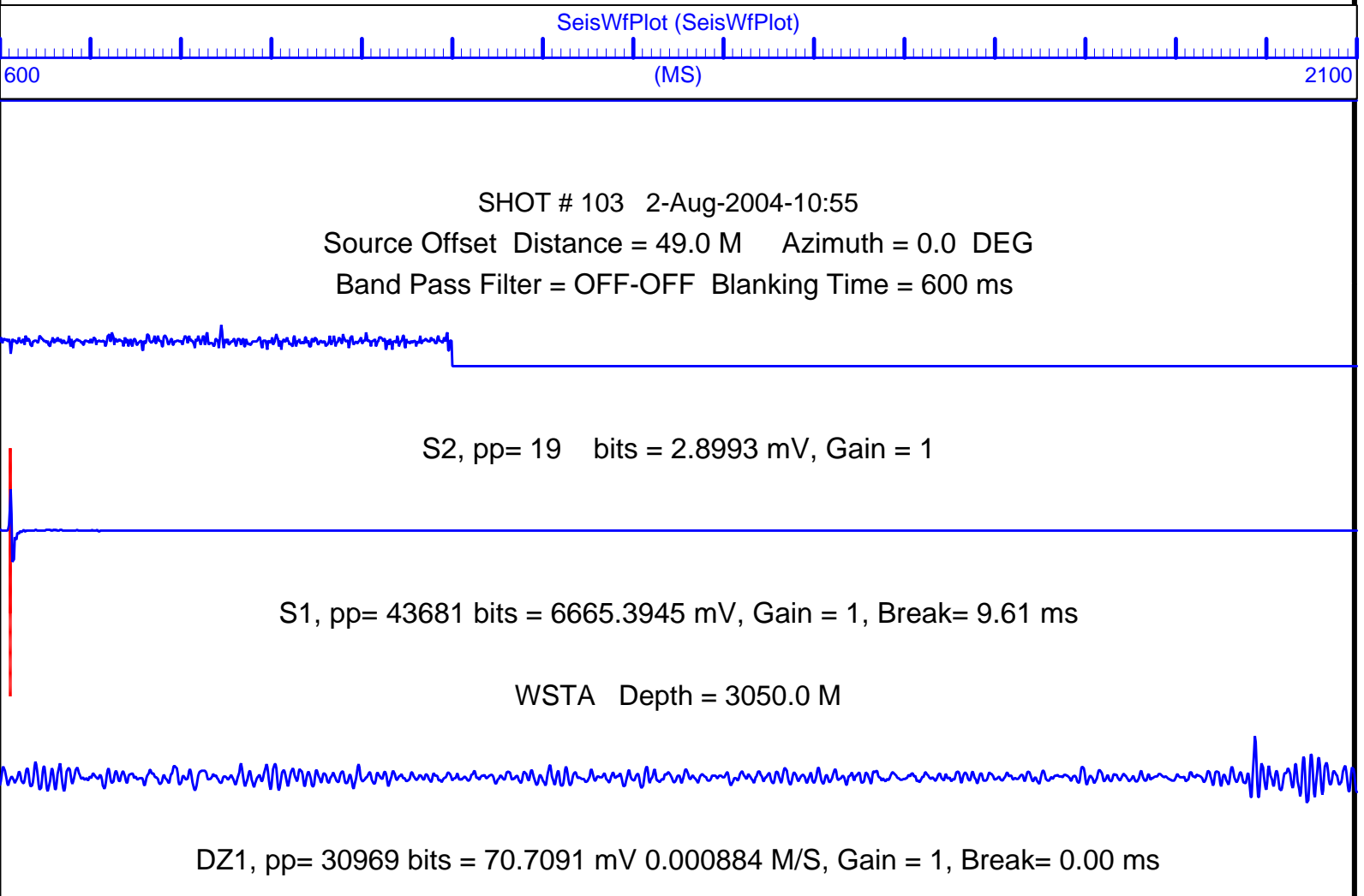
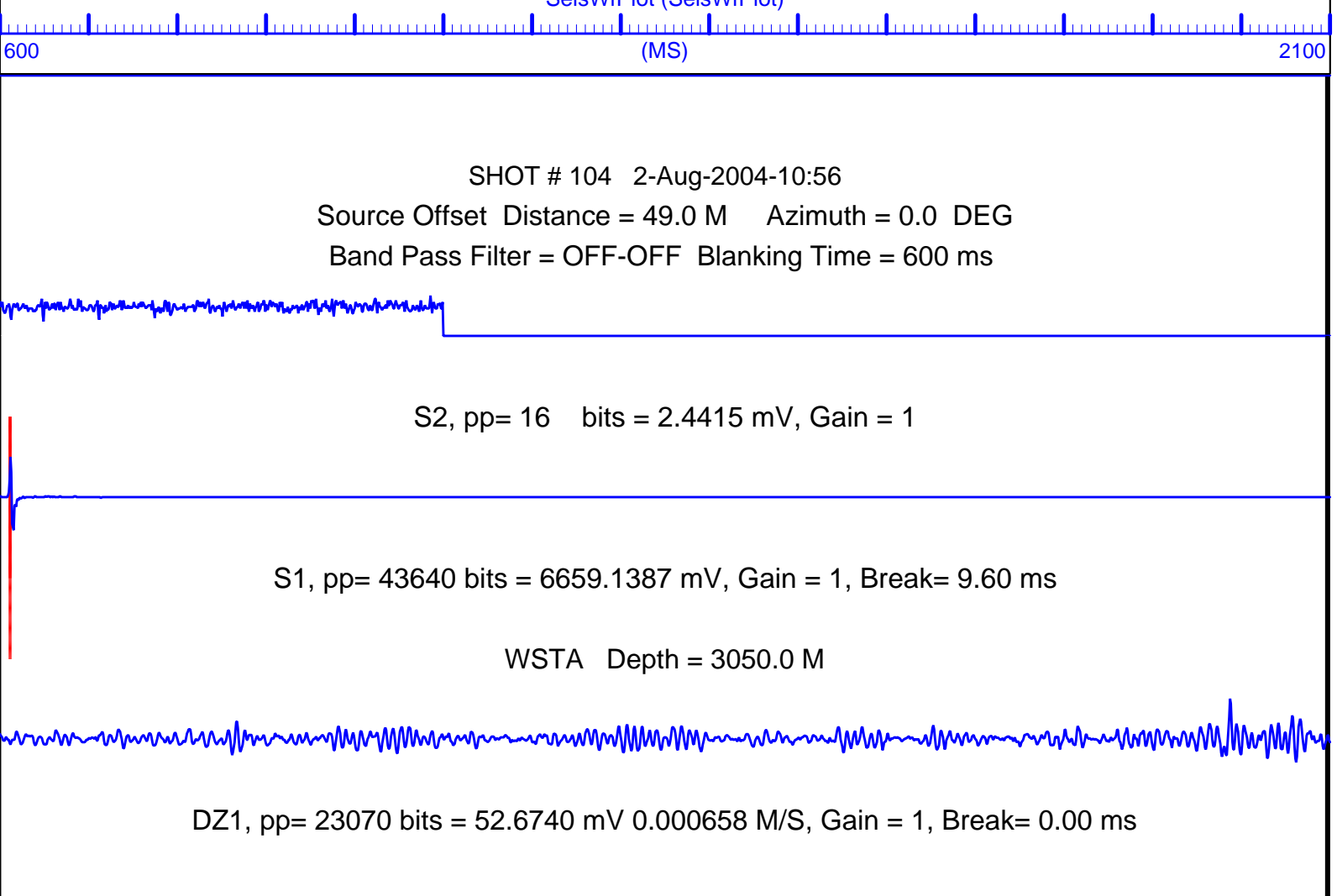


SHOT # 106 2-Aug-2004-10:56
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



SHOT # 105 2-Aug-2004-10:56
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms





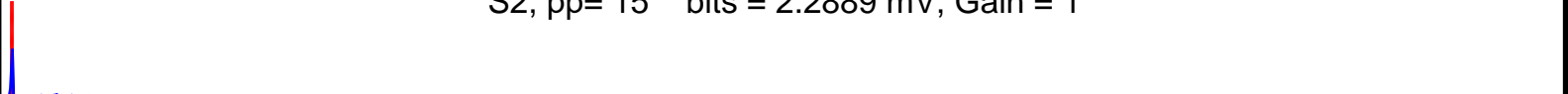
SHOT # 102 2-Aug-2004-10:55

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

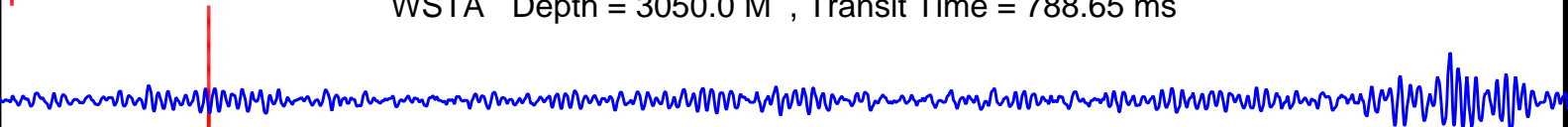


S2, pp= 15 bits = 2.2889 mV, Gain = 1

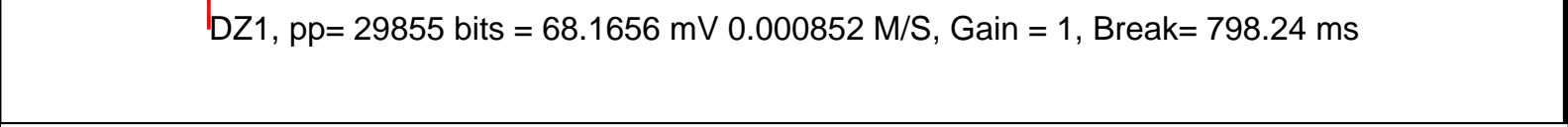


S1, pp= 44903 bits = 6851.8628 mV, Gain = 1, Break= 9.60 ms

WSTA Depth = 3050.0 M , Transit Time = 788.65 ms



DZ1, pp= 29855 bits = 68.1656 mV 0.000852 M/S, Gain = 1, Break= 798.24 ms



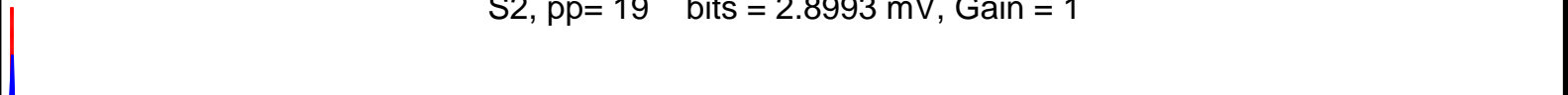
SHOT # 101 2-Aug-2004-10:54

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

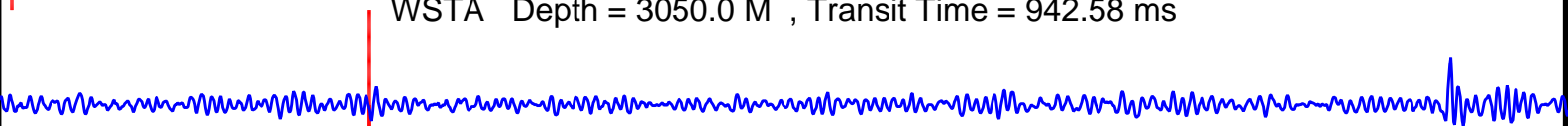


S2, pp= 19 bits = 2.8993 mV, Gain = 1

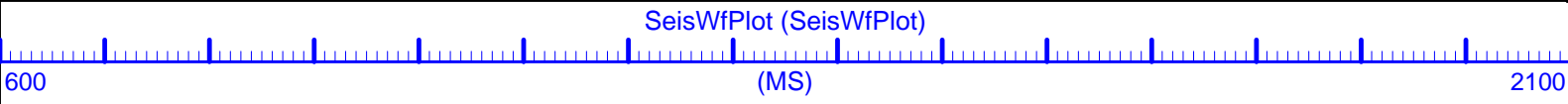


S1, pp= 43870 bits = 6694.2349 mV, Gain = 1, Break= 9.61 ms

WSTA Depth = 3050.0 M , Transit Time = 942.58 ms



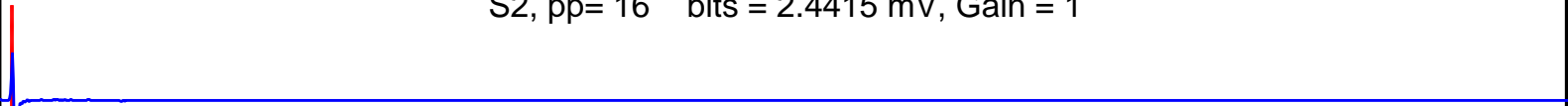
DZ1, pp= 27488 bits = 62.7612 mV 0.000785 M/S, Gain = 1, Break= 952.19 ms



SHOT # 100 2-Aug-2004-10:53
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



S2, pp= 16 bits = 2.4415 mV, Gain = 1

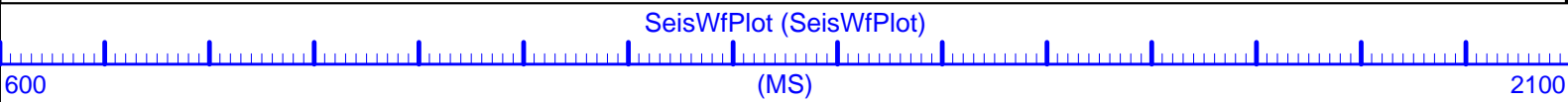


S1, pp= 42547 bits = 6492.3550 mV, Gain = 1, Break= 9.61 ms

WSTA Depth = 3050.0 M , Transit Time = 614.11 ms



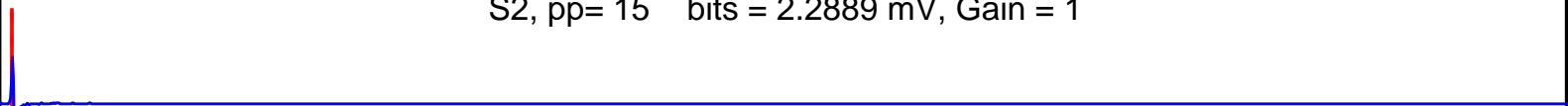
DZ1, pp= 25989 bits = 59.3387 mV 0.000742 M/S, Gain = 1, Break= 623.72 ms



SHOT # 99 2-Aug-2004-10:53
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



S2, pp= 15 bits = 2.2889 mV, Gain = 1

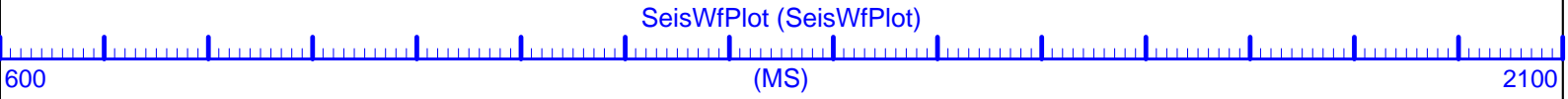


S1, pp= 43390 bits = 6620.9902 mV, Gain = 1, Break= 9.64 ms

WSTA Depth = 3050.0 M , Transit Time = 675.58 ms



DZ1, pp= 30025 bits = 68.5538 mV 0.000857 M/S, Gain = 1, Break= 685.21 ms



SHOT # 98 2-Aug-2004-10:53
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

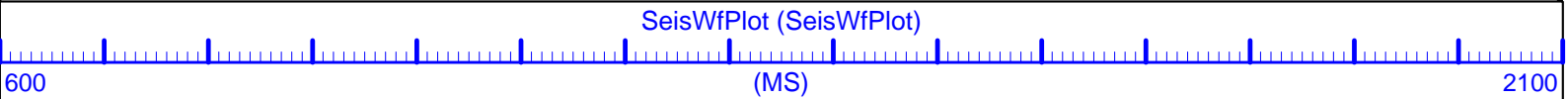


S2, pp= 17 bits = 2.5941 mV, Gain = 1

S1, pp= 46405 bits = 7081.0566 mV, Gain = 1, Break= 9.57 ms

WSTA Depth = 3050.0 M , Transit Time = 839.92 ms

DZ1, pp= 40553 bits = 92.5916 mV 0.001157 M/S, Gain = 1, Break= 849.49 ms



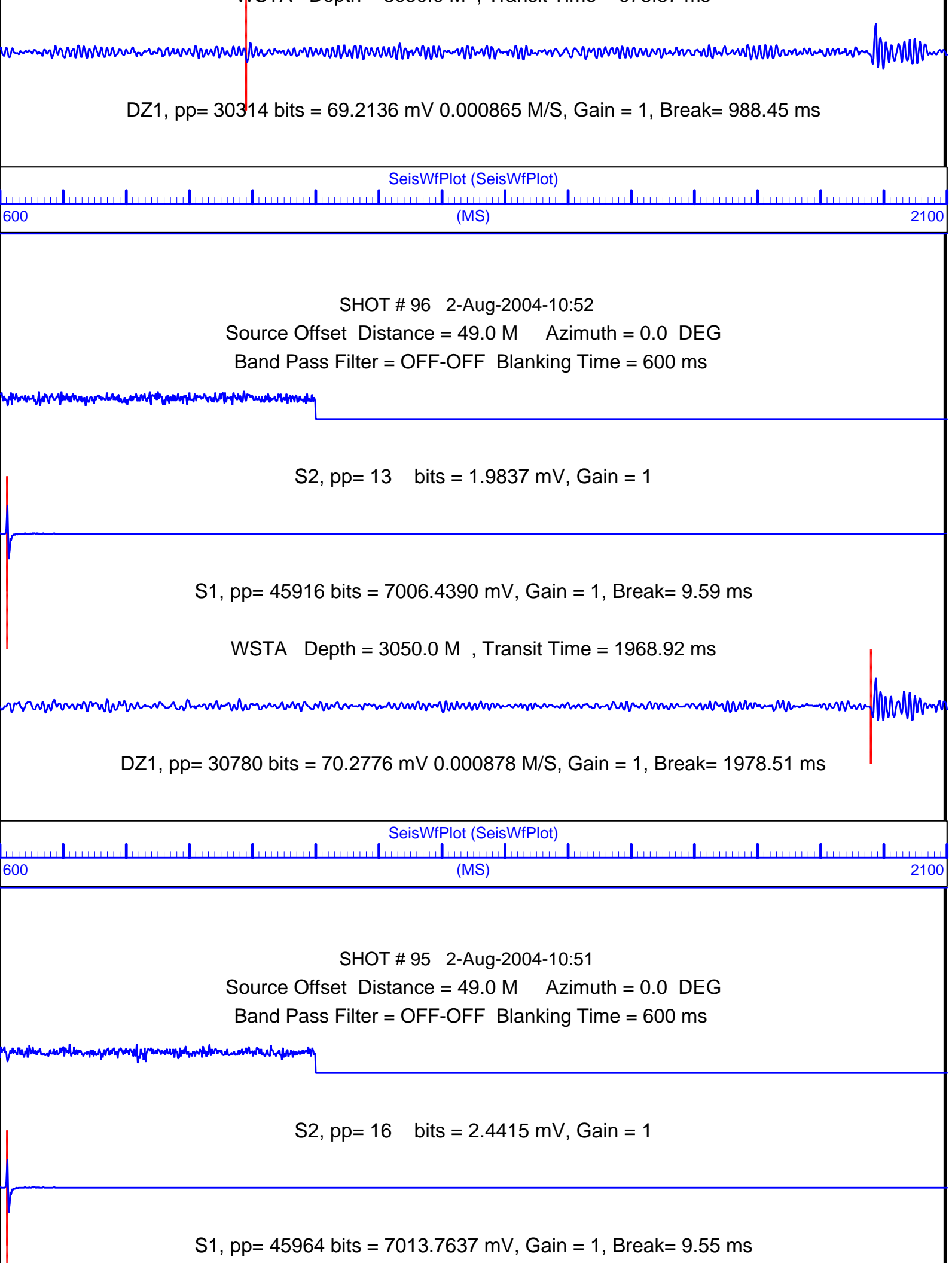
SHOT # 97 2-Aug-2004-10:52
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



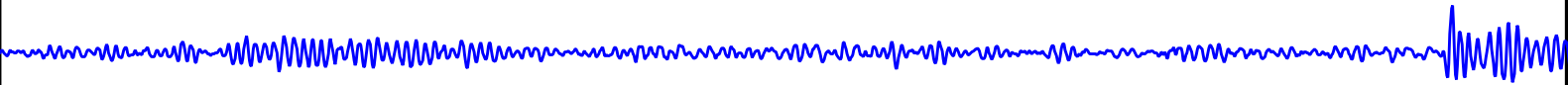
S2, pp= 14 bits = 2.1363 mV, Gain = 1

S1, pp= 45564 bits = 6952.7266 mV, Gain = 1, Break= 9.58 ms

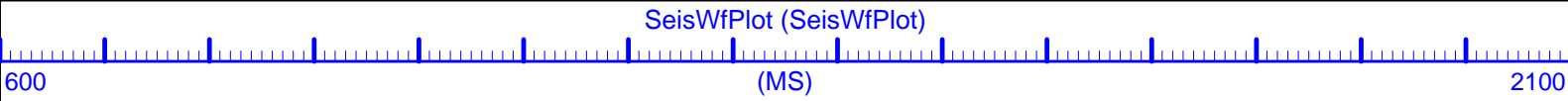
WSTA Depth = 3050.0 M , Transit Time = 978.87 ms



WSTA Depth = 3050.0 M



DZ1, pp= 32082 bits = 73.2504 mV 0.000916 M/S, Gain = 1, Break= 0.00 ms



SHOT # 94 2-Aug-2004-10:48

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

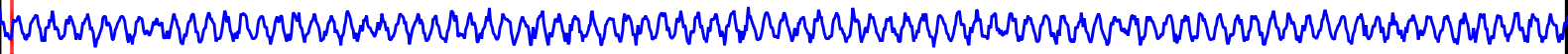


S2, pp= 16 bits = 2.4415 mV, Gain = 1

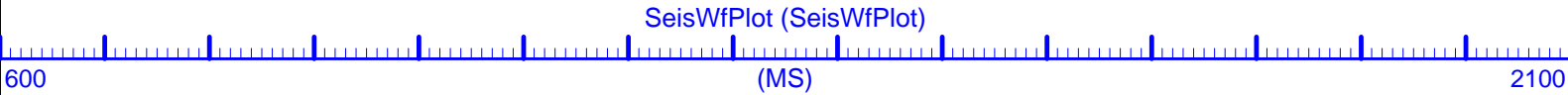


S1, pp= 44553 bits = 6798.4556 mV, Gain = 1, Break= 9.61 ms

WSTA Depth = 3073.0 M , Transit Time = 600.81 ms



DZ1, pp= 30 bits = 0.0685 mV 0.000000856 M/S, Gain = 1, Break= 610.42 ms



SHOT # 93 2-Aug-2004-10:48

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms



S2, pp= 13 bits = 1.9837 mV, Gain = 1



S1, pp= 45978 bits = 7015.8999 mV, Gain = 1, Break= 9.56 ms

WSTA Depth = 3073.0 M

DZ1, pp= 31 bits = 0.0708 mV 0.000000885 M/S, Gain = 1, Break= 0.00 ms

SeisWfPlot (SeisWfPlot)

600

(MS)

2100

SHOT # 92 2-Aug-2004-10:47

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 16 bits = 2.4415 mV, Gain = 1

S1, pp= 43080 bits = 6573.6865 mV, Gain = 1, Break= 8.58 ms

WSTA Depth = 3073.0 M , Transit Time = 597.25 ms

DZ1, pp= 30 bits = 0.0685 mV 0.000000856 M/S, Gain = 1, Break= 605.83 ms

SeisWfPlot (SeisWfPlot)

600

(MS)

2100

SHOT # 91 2-Aug-2004-10:47

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

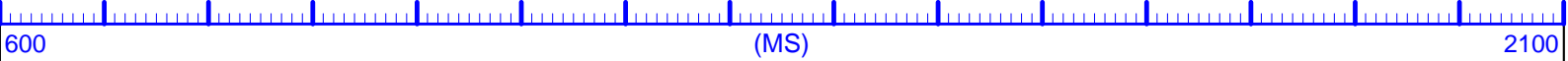
S2, pp= 14 bits = 2.1363 mV, Gain = 1

S1, pp= 42217 bits = 6441.9990 mV, Gain = 1, Break= 7.53 ms

WSTA Depth = 3073.0 M , Transit Time = 603.35 ms

DZ1, pp= 34 bits = 0.0776 mV 0.000000970 M/S, Gain = 1, Break= 610.89 ms

SeisWfPlot (SeisWfPlot)



SHOT # 90 2-Aug-2004-10:26

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

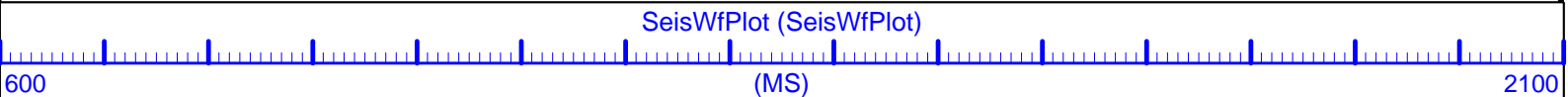
S2, pp= 14 bits = 2.1363 mV, Gain = 1

S1, pp= 42849 bits = 6538.4375 mV, Gain = 1, Break= 9.61 ms

WSTA Depth = 3081.4 M , Transit Time = 963.64 ms

DZ1, pp= 14438 bits = 32.9652 mV 0.000412 M/S, Gain = 1, Break= 973.25 ms

SeisWfPlot (SeisWfPlot)



SHOT # 89 2-Aug-2004-10:25

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

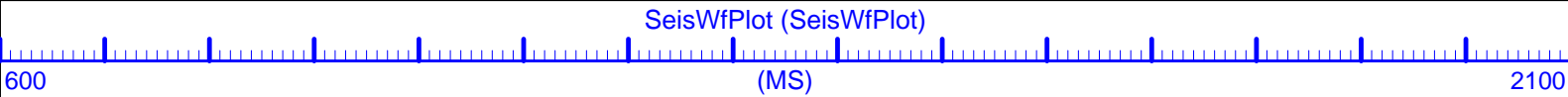
S2, pp= 15 bits = 2.2880 mV, Gain = 1

SZ, pp= 15 bits = 2.2889 mV, Gain = 1

S1, pp= 42602 bits = 6500.7476 mV, Gain = 1, Break= 9.62 ms

WSTA Depth = 3081.4 M , Transit Time = 665.67 ms

DZ1, pp= 17787 bits = 40.6117 mV 0.000508 M/S, Gain = 1, Break= 675.29 ms



SHOT # 88 2-Aug-2004-10:25

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

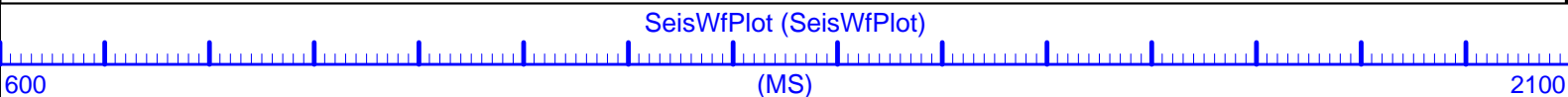
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 13 bits = 1.9837 mV, Gain = 1

S1, pp= 44802 bits = 6836.4512 mV, Gain = 1, Break= 9.61 ms

WSTA Depth = 3081.4 M

DZ1, pp= 13930 bits = 31.8053 mV 0.000398 M/S, Gain = 1, Break= 0.00 ms



SHOT # 87 2-Aug-2004-10:25

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

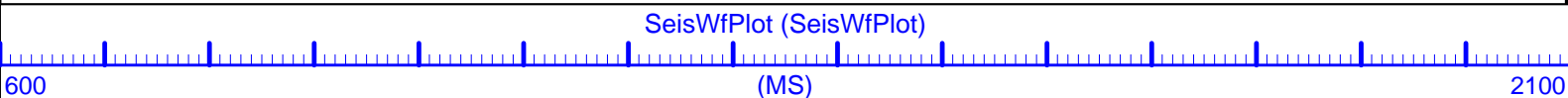
Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 16 bits = 2.4415 mV, Gain = 1

S1, pp= 42396 bits = 6469.3135 mV, Gain = 1, Break= 9.63 ms

WSTA Depth = 3081.4 M , Transit Time = 605.65 ms

DZ1, pp= 17955 bits = 40.9953 mV 0.000512 M/S, Gain = 1, Break= 615.27 ms



SHOT # 86 2-Aug-2004-10:24

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

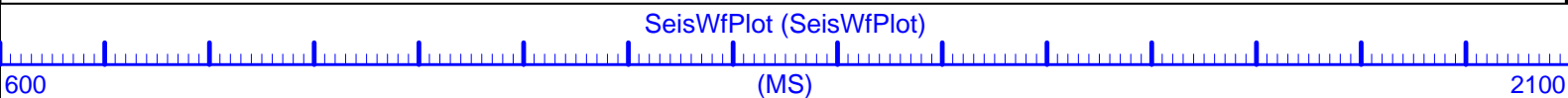


S2, pp= 15 bits = 2.2889 mV, Gain = 1

S1, pp= 46152 bits = 7042.4507 mV, Gain = 1, Break= 9.59 ms

WSTA Depth = 3081.4 M

DZ1, pp= 14066 bits = 32.1158 mV 0.000401 M/S, Gain = 1, Break= 0.00 ms



SHOT # 85 2-Aug-2004-10:24

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 15 bits = 2.2889 mV, Gain = 1

S1, pp= 42050 bits = 6416.5161 mV, Gain = 1, Break= 9.61 ms

WSTA Depth = 3081.4 M

DZ1, pp= 14572 bits = 33.2711 mV 0.000416 M/S, Gain = 1, Break= 0.00 ms

SeisWfPlot (SeisWfPlot)

600

(MS)

2100

SHOT # 84 2-Aug-2004-10:24

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms

S2, pp= 15 bits = 2.2889 mV, Gain = 1

S1, pp= 42081 bits = 6421.2466 mV, Gain = 1, Break= 9.60 ms

WSTA Depth = 3081.4 M , Transit Time = 618.10 ms

DZ1, pp= 15348 bits = 35.0429 mV 0.000438 M/S, Gain = 1, Break= 627.71 ms

SeisWfPlot (SeisWfPlot)

600

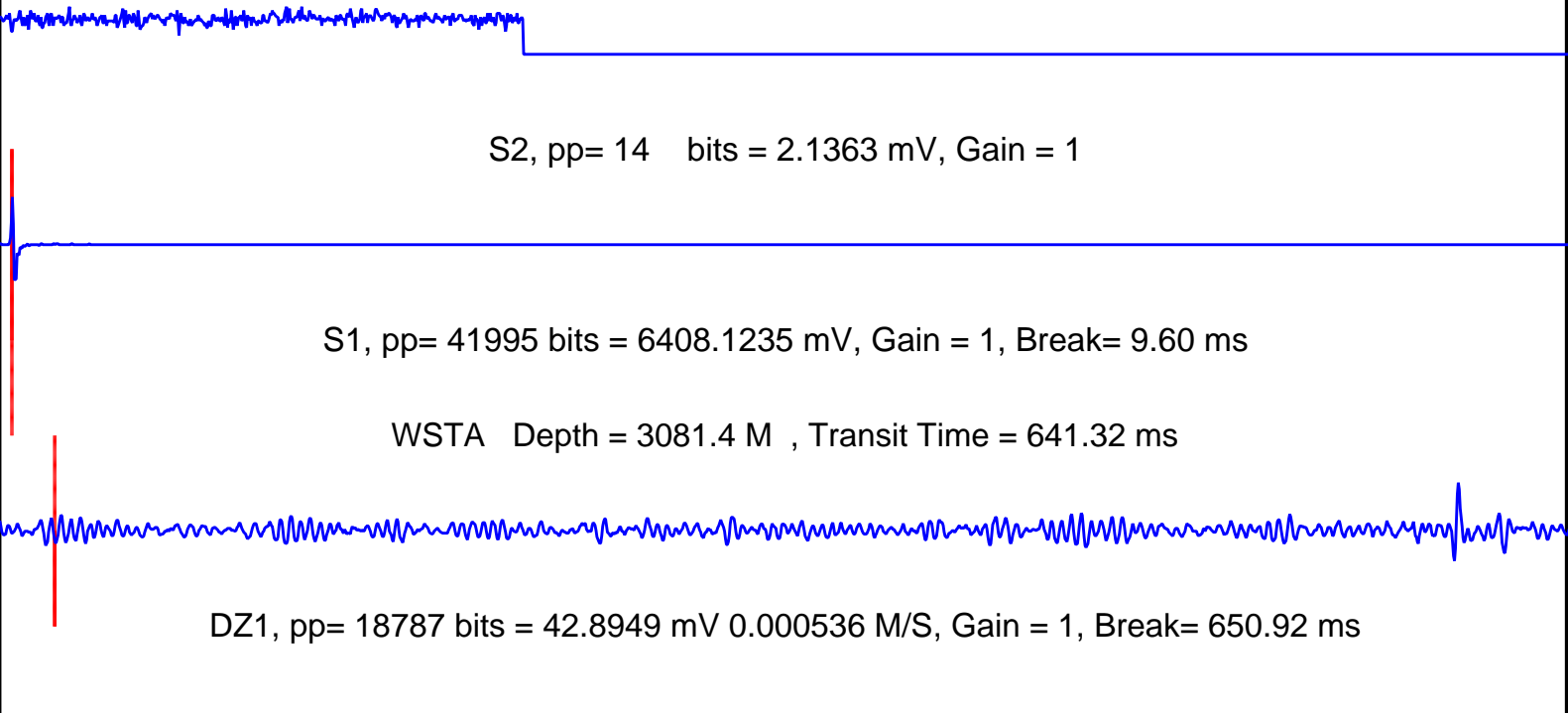
(MS)

2100

SHOT # 83 2-Aug-2004-10:23

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms



SeisWfPlot (SeisWfPlot)

600

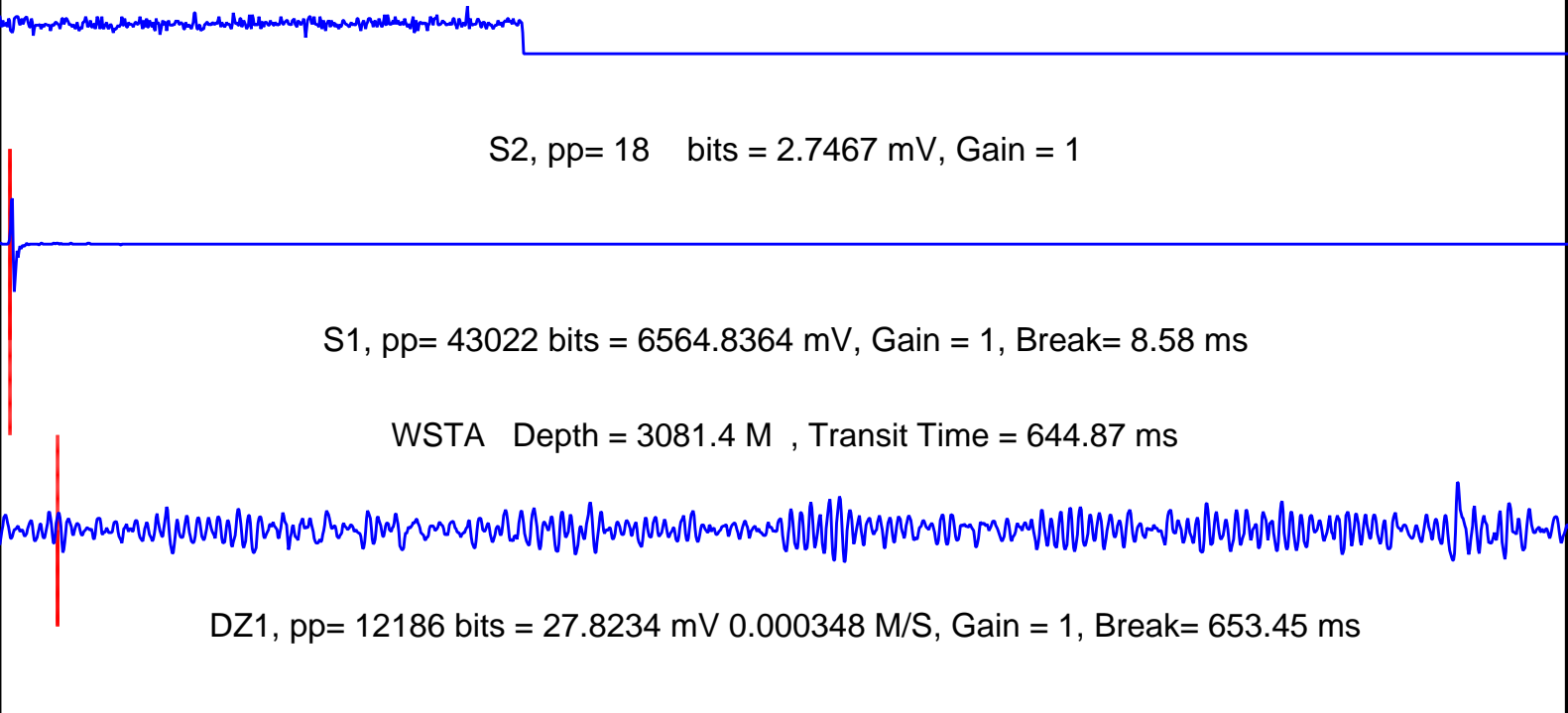
(MS)

2100

SHOT # 82 2-Aug-2004-10:23

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms



SeisWfPlot (SeisWfPlot)

600

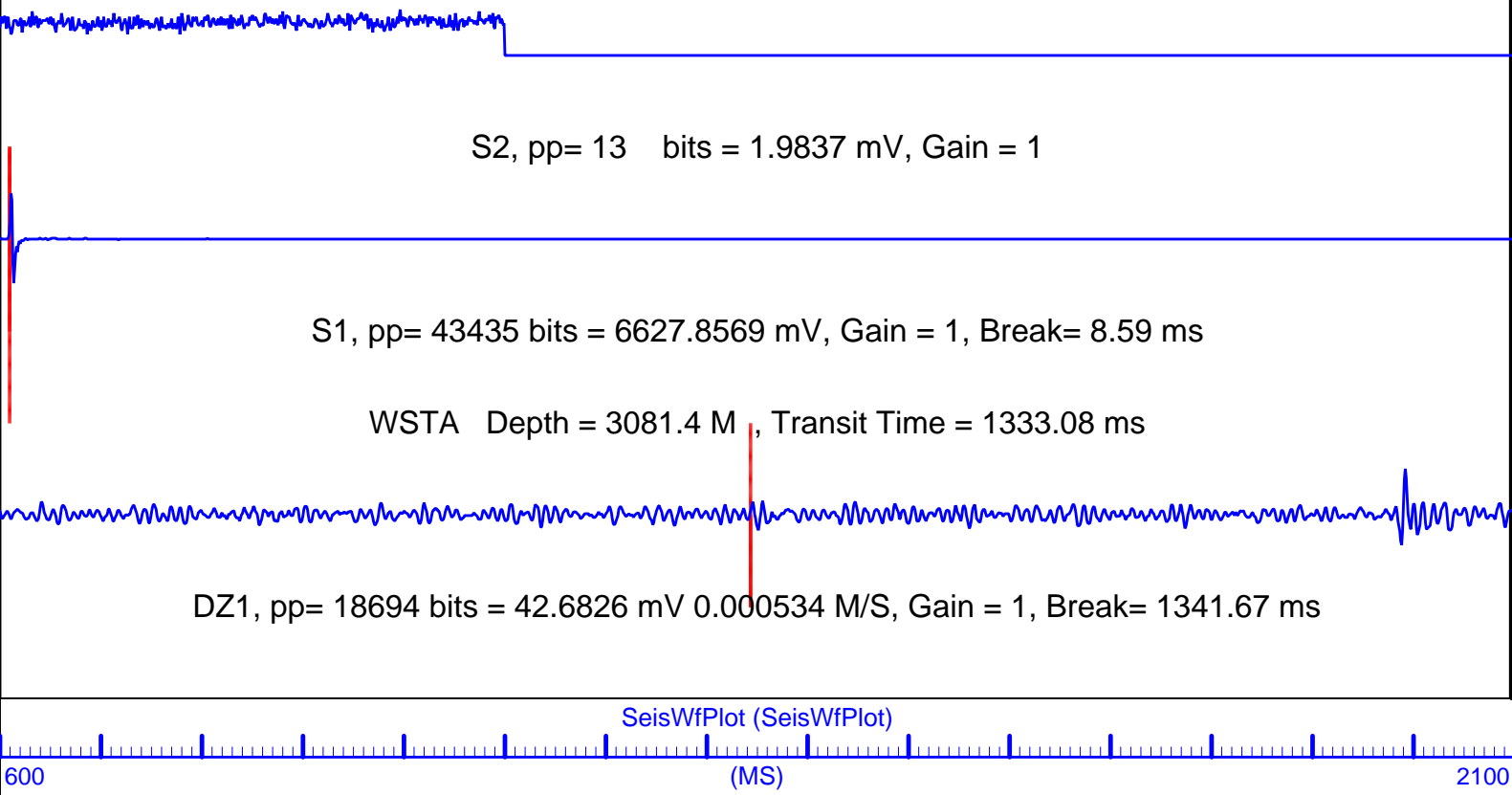
(MS)

2100

SHOT # 81 2-Aug-2004-10:23

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

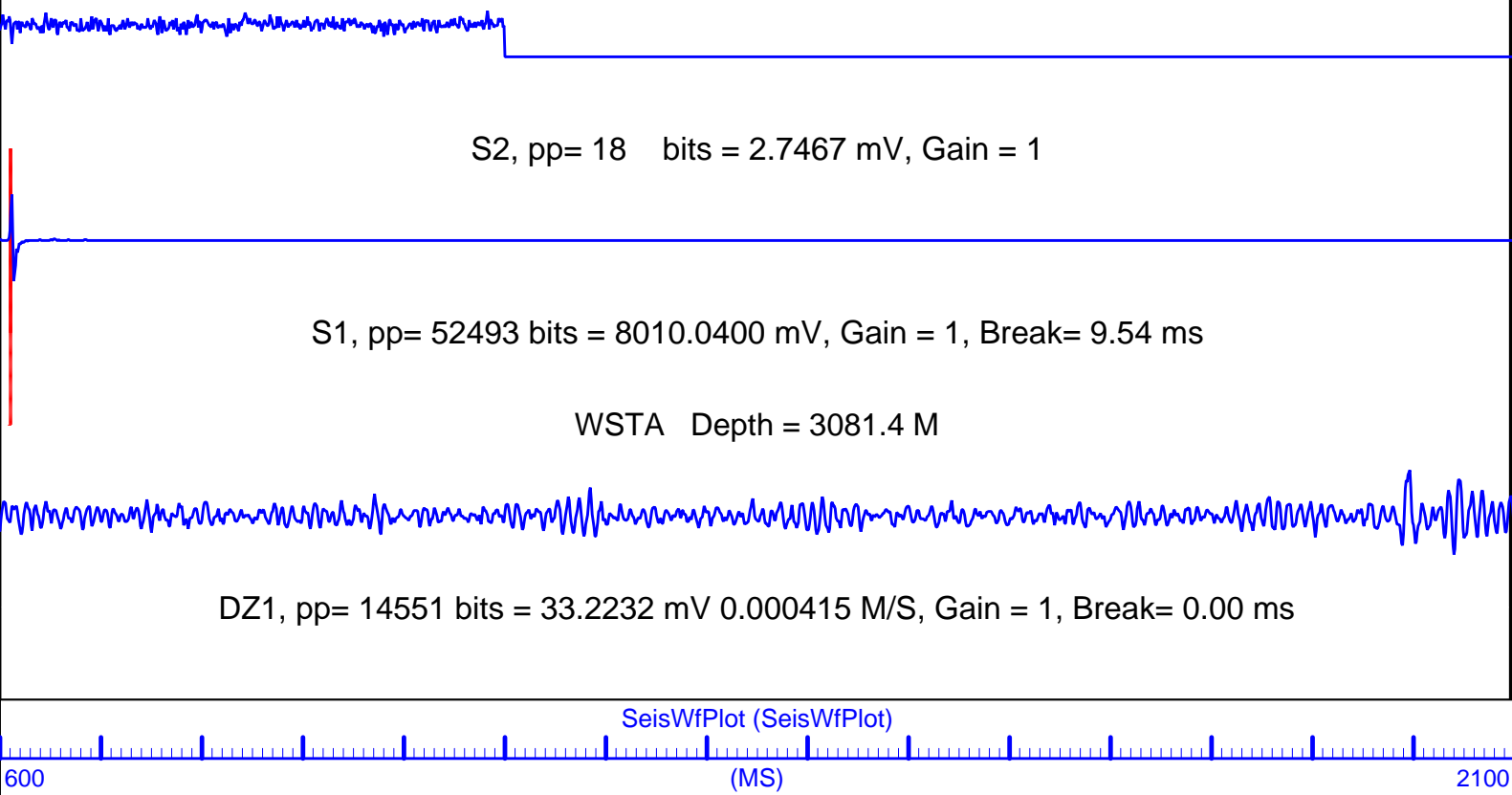
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



SHOT # 80 2-Aug-2004-10:20

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms



SHOT # 79 2-Aug-2004-10:20

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms



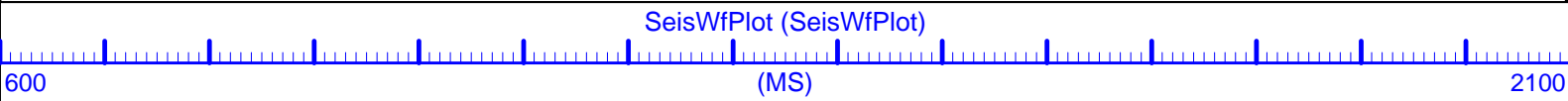
S2, pp= 14 bits = 2.1363 mV, Gain = 1

S1, pp= 52180 bits = 7962.2788 mV, Gain = 1, Break= 8.57 ms

WSTA Depth = 3081.4 M, Transit Time = 605.20 ms



DZ1, pp= 15677 bits = 35.7941 mV 0.000447 M/S, Gain = 1, Break= 613.78 ms



SeisWfPlot (SeisWfPlot)

600

(MS)

2100

SHOT # 78 2-Aug-2004-10:19

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

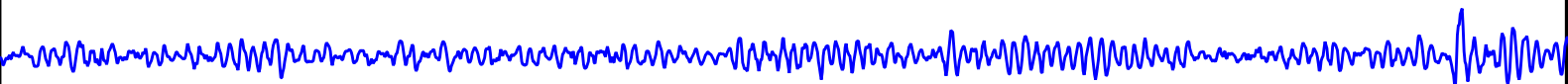
Band Pass Filter = OFF-OFF Blanking Time = 600 ms



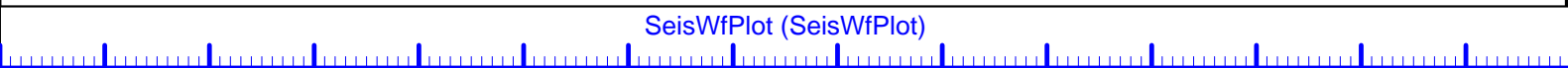
S2, pp= 16 bits = 2.4415 mV, Gain = 1

S1, pp= 50351 bits = 7683.1870 mV, Gain = 1, Break= 8.62 ms

WSTA Depth = 3081.4 M



DZ1, pp= 15902 bits = 36.3078 mV 0.000454 M/S, Gain = 1, Break= 0.00 ms

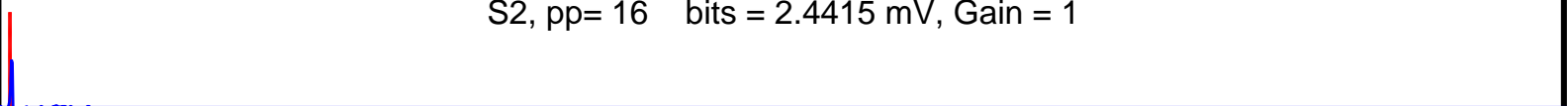


SeisWfPlot (SeisWfPlot)

SHOT # 77 2-Aug-2004-10:19
 Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
 Band Pass Filter = OFF-OFF Blanking Time = 600 ms

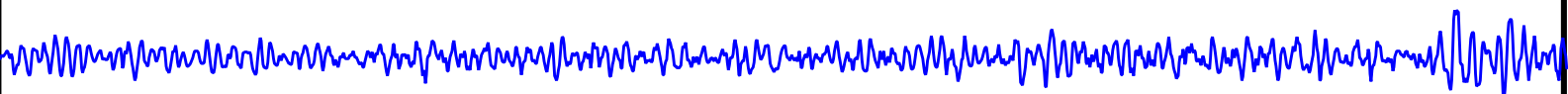


S2, pp= 16 bits = 2.4415 mV, Gain = 1



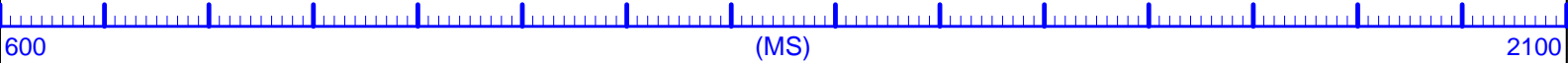
S1, pp= 49611 bits = 7570.2686 mV, Gain = 1, Break= 8.59 ms

WSTA Depth = 3081.4 M



DZ1, pp= 11867 bits = 27.0950 mV 0.000339 M/S, Gain = 1, Break= 0.00 ms

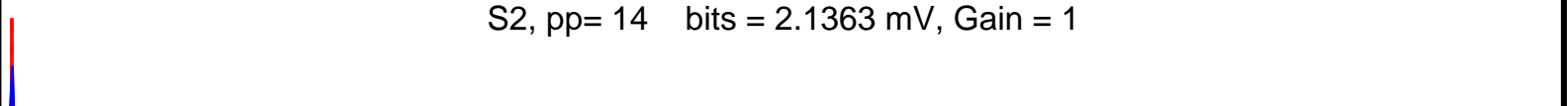
SeisWfPlot (SeisWfPlot)



SHOT # 76 2-Aug-2004-10:14
 Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
 Band Pass Filter = OFF-OFF Blanking Time = 600 ms

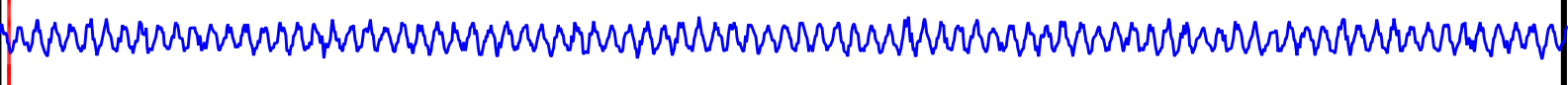


S2, pp= 14 bits = 2.1363 mV, Gain = 1



S1, pp= 49266 bits = 7517.6240 mV, Gain = 1, Break= 9.59 ms

WSTA Depth = 3081.4 M , Transit Time = 597.59 ms



DZ1, pp= 29 bits = 0.0662 mV 0.000000828 M/S, Gain = 1, Break= 607.18 ms

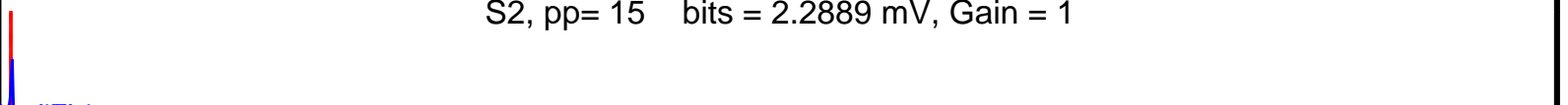
SHOT # 75 2-Aug-2004-10:14

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms



S2, pp= 15 bits = 2.2889 mV, Gain = 1



S1, pp= 51838 bits = 7910.0923 mV, Gain = 1, Break= 9.54 ms

WSTA Depth = 3081.4 M , Transit Time = 602.86 ms



DZ1, pp= 29 bits = 0.0662 mV 0.000000828 M/S, Gain = 1, Break= 612.40 ms

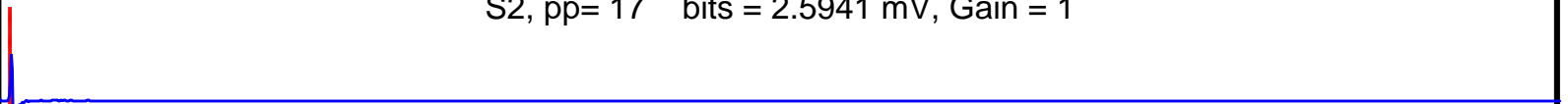
SHOT # 74 2-Aug-2004-10:13

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Band Pass Filter = OFF-OFF Blanking Time = 600 ms



S2, pp= 17 bits = 2.5941 mV, Gain = 1



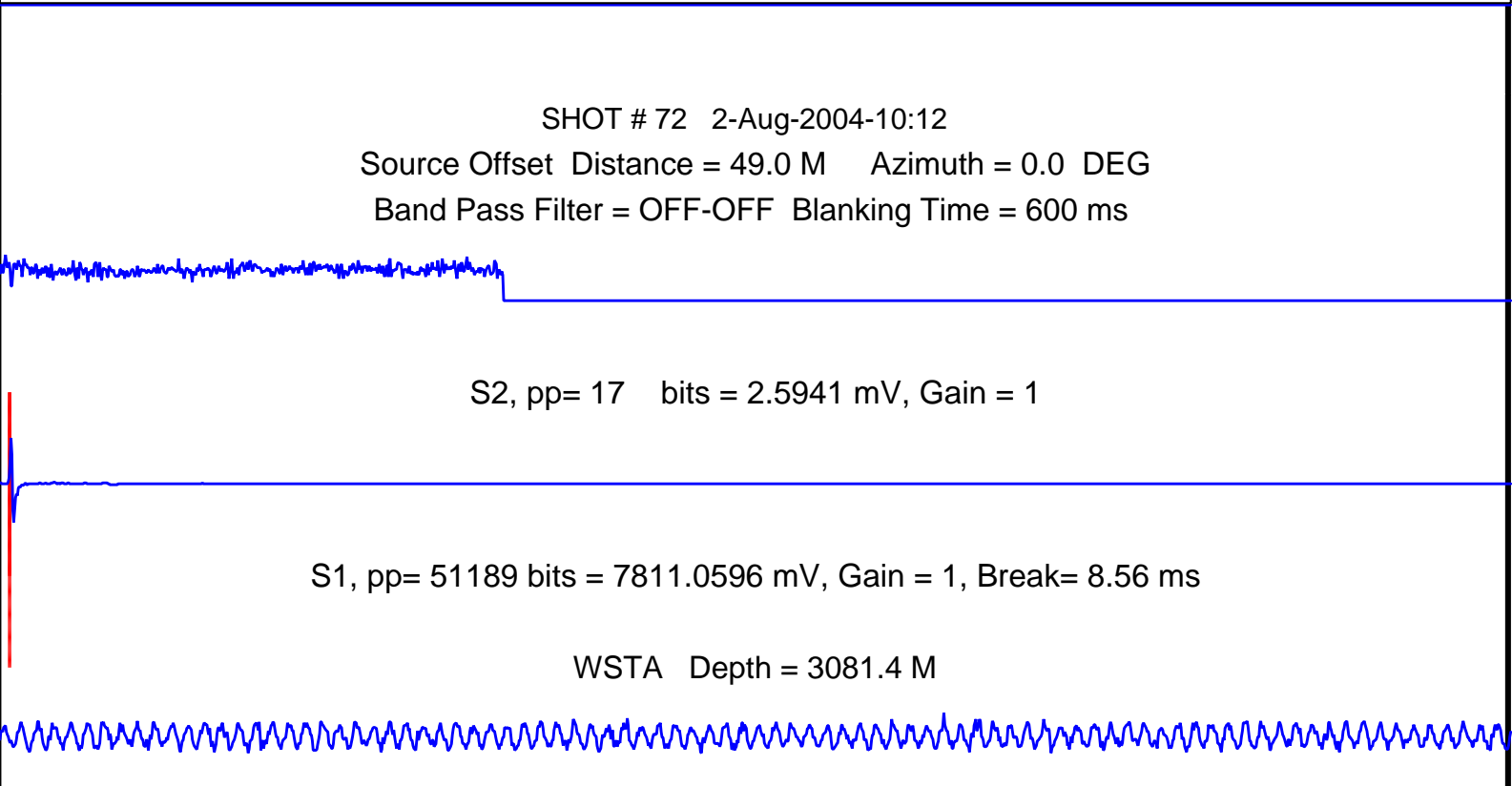
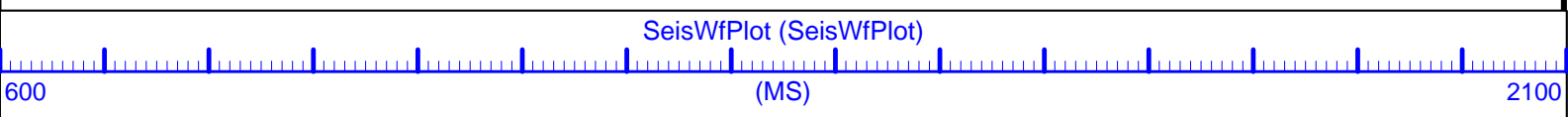
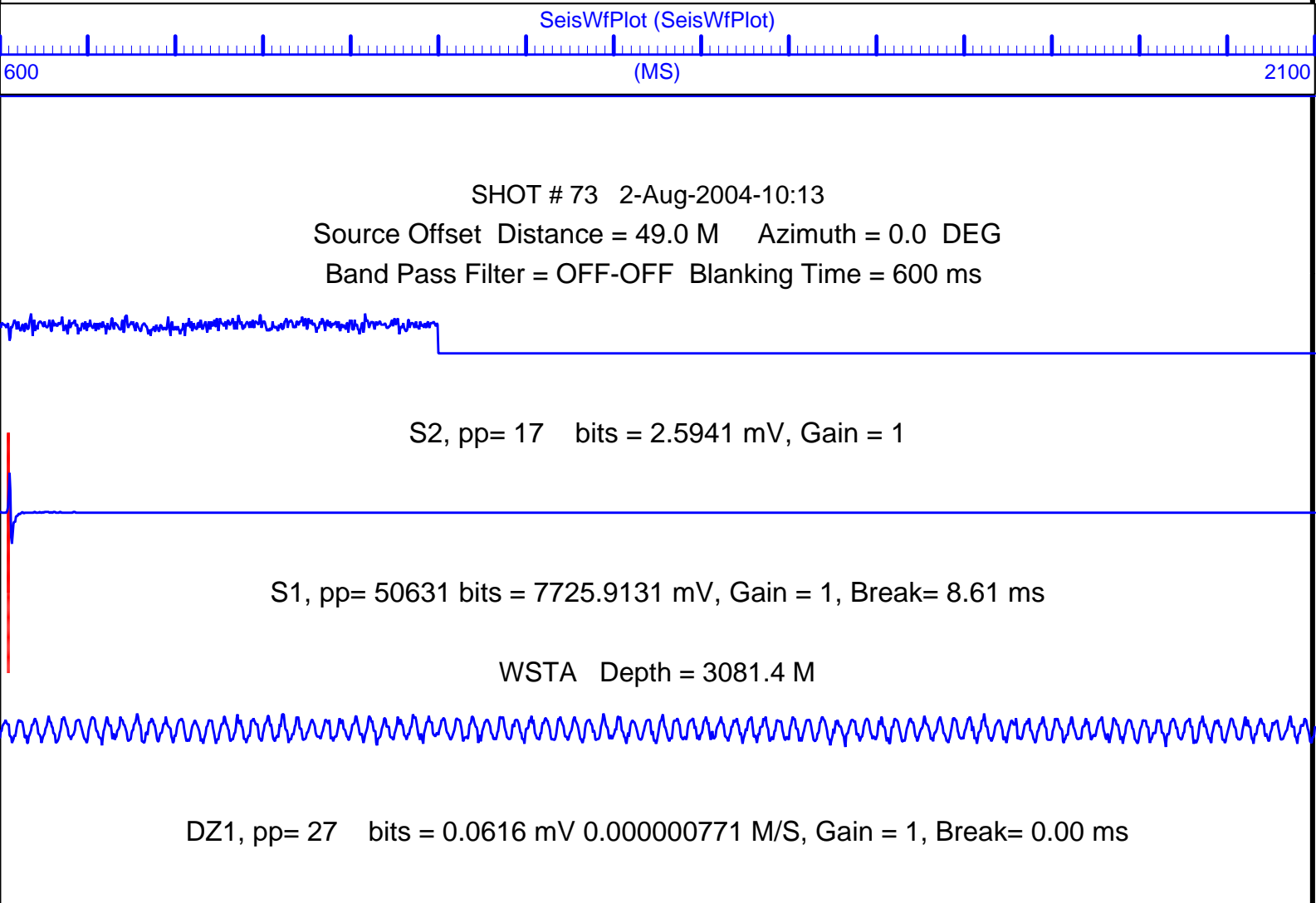
S1, pp= 50791 bits = 7750.3276 mV, Gain = 1, Break= 8.60 ms

WSTA Depth = 3081.4 M , Transit Time = 596.85 ms

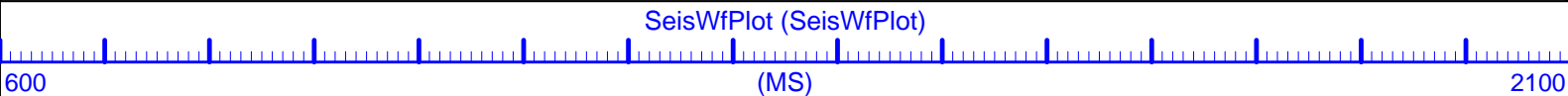


DZ1, pp= 30 bits = 0.0685 mV 0.000000856 M/S, Gain = 1, Break= 605.45 ms

DZ1, pp= 33 bits = 0.0616 mV 0.000000771 M/S, Gain = 1, Break= 0.00 ms



DZ1, pp= 31 bits = 0.0708 mV 0.000000885 M/S, Gain = 1, Break= 0.00 ms



Format: SeisAxisWfPlotSat Vertical Scale: 0.5" per 1SAMPLES Graphics File Created: 04-Aug-2004 01:25

OP System Version: 12C0-301
MCM

WSTA-A 12C0-301

Output DLIS Files

DEFAULT SEIS_WSS_073PNP FN:83 PRODUCER 04-Aug-2004 01:25

Company: Lamont Doherty

Schlumberger

Well: Site 1301 B
Field: Expedition 301
County: Juan de Fuca
State: Oregon

Well Seismic Tool