

SPRING 2001

**West Virginia
Dean Sr. surface**

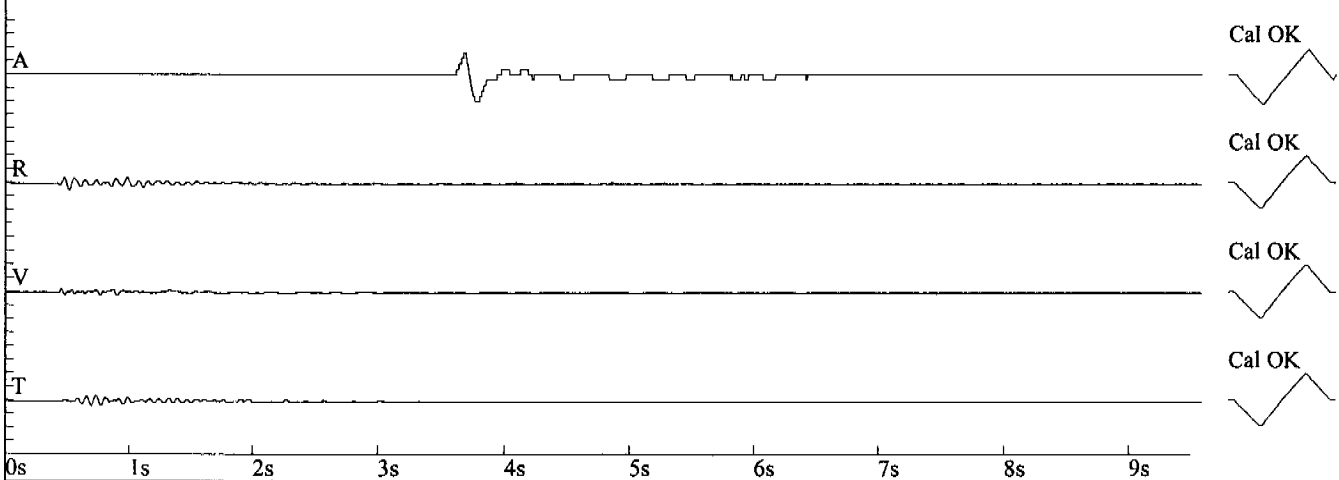
File: D1SAP001.DTB Event Number: 001 Date: 4/3/01 Time: 08:41
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

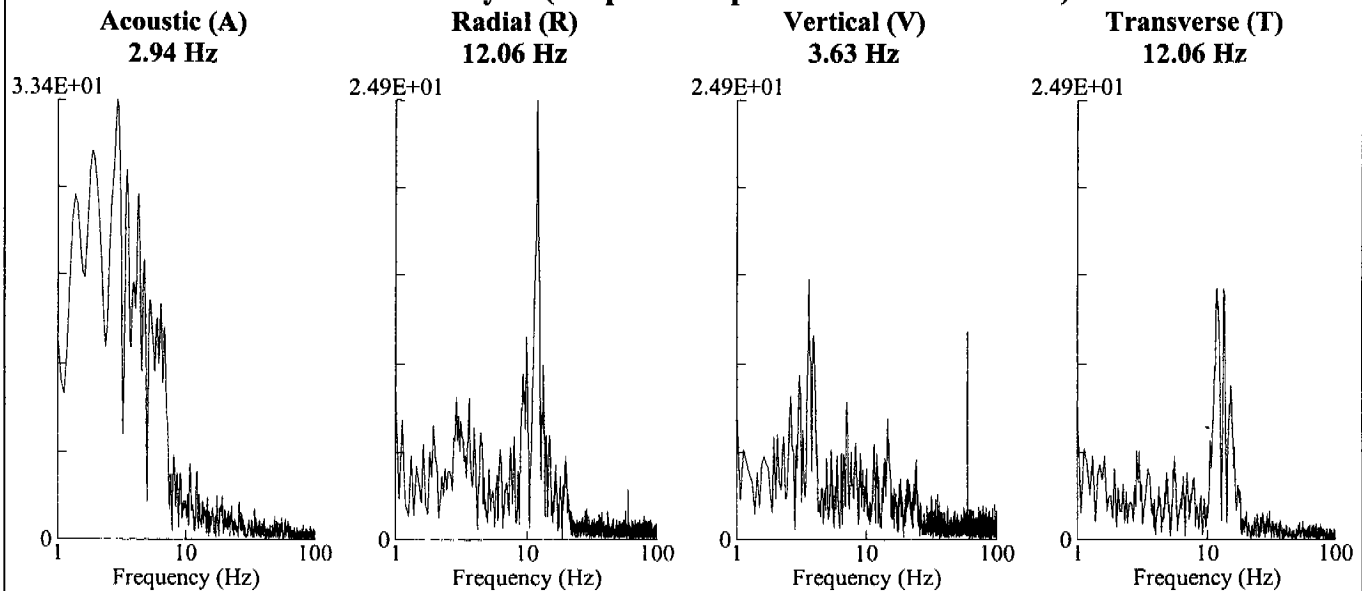
Acoustic (A): 114 dB @ 2.3 Hz
(0.10Mb 0.0015psi 0.0100kPa)
Radial (R): 0.03in/s 0.762mm/s @ 12.1Hz
Vertical (V): 0.015in/s 0.381mm/s @ 16.0Hz
Transverse (T): 0.025in/s 0.635mm/s @ 13.8Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Dean Sr. shallow

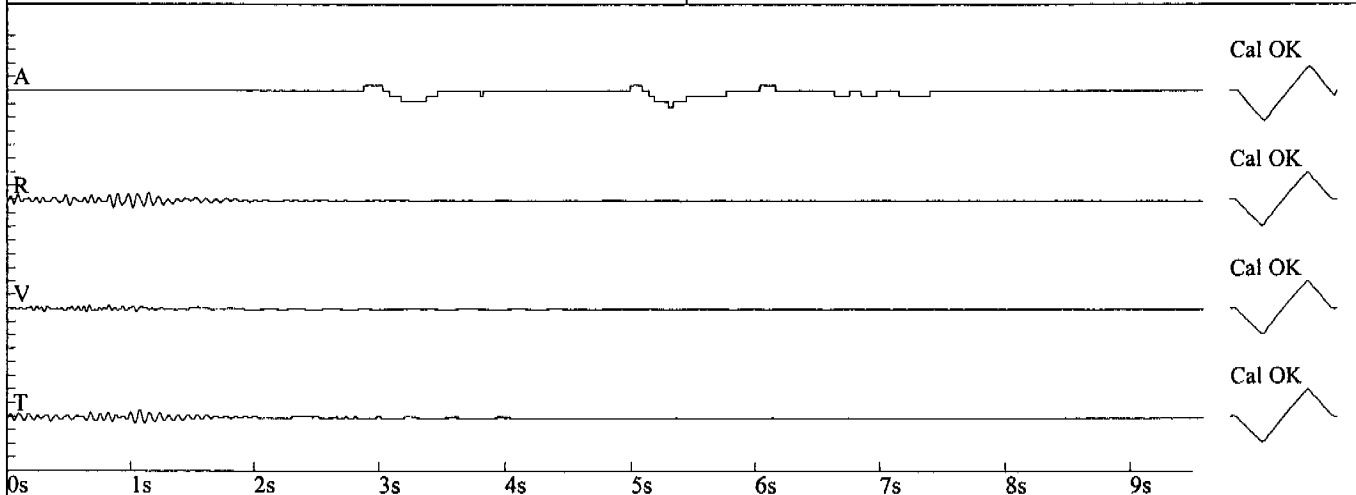
File: D1SAP002.DTB Event Number: 002 Date: 4/3/01 Time: 13:51
 Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

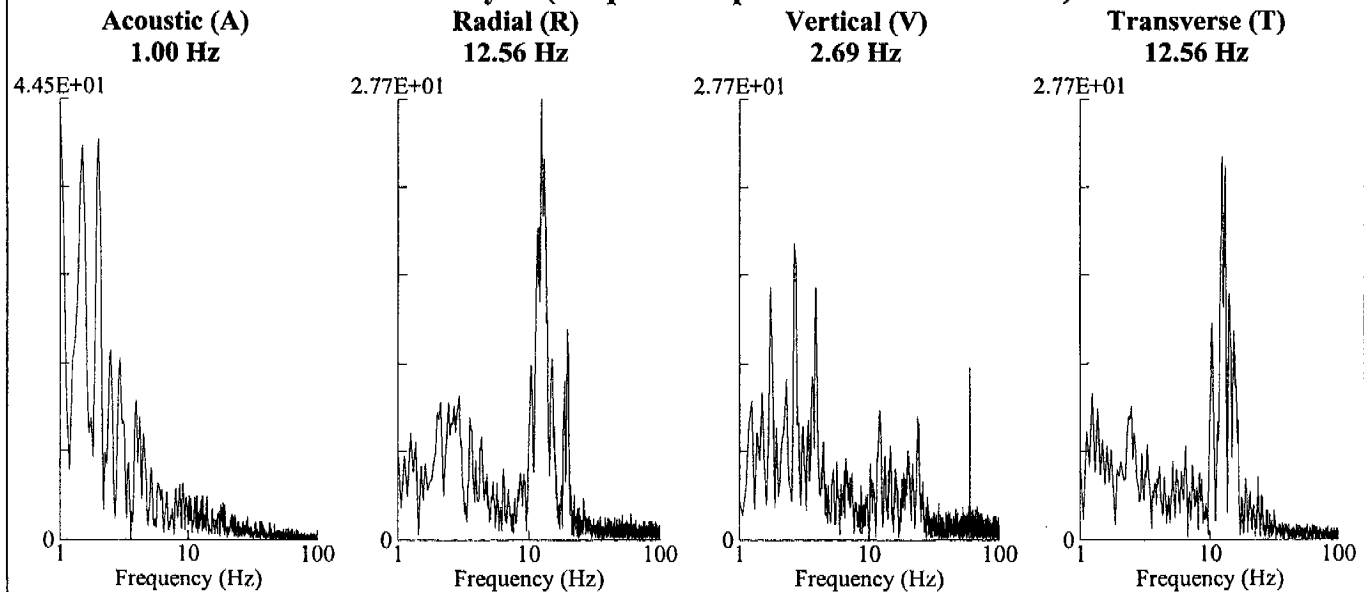
Acoustic (A): 110 dB @ 1.3 Hz
 (0.06Mb 0.0009psi 0.0060kPa)
***Radial (R):* 0.03in/s 0.762mm/s @ 15.0Hz**
Vertical (V): 0.015in/s 0.381mm/s @ 24.3Hz
Transverse (T): 0.025in/s 0.635mm/s @ 15.0Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Sr. shallow**

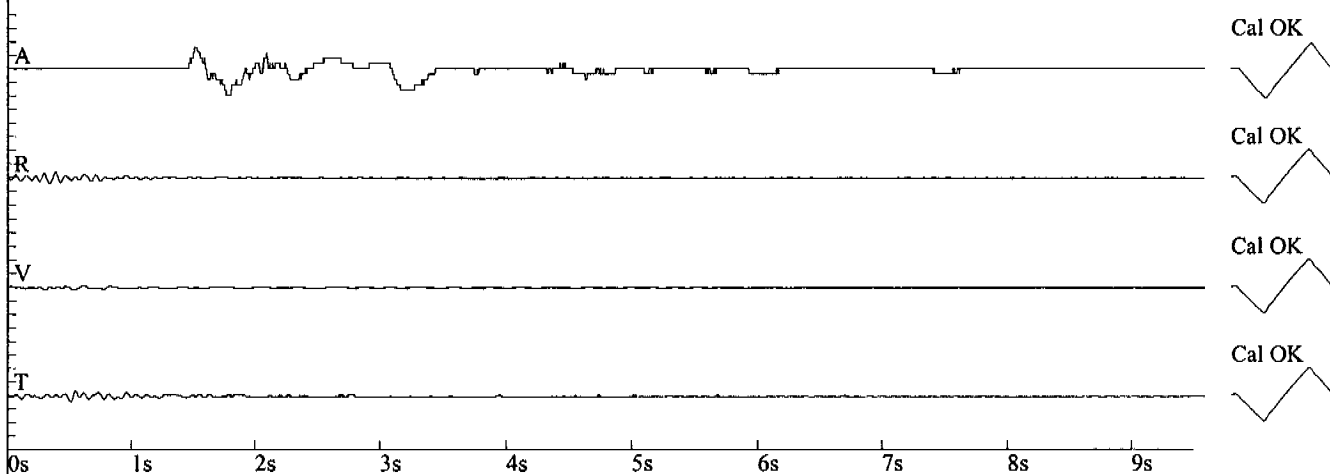
File: D1SAP003.DTB Event Number: 003 Date: 4/3/01 Time: 17:06
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

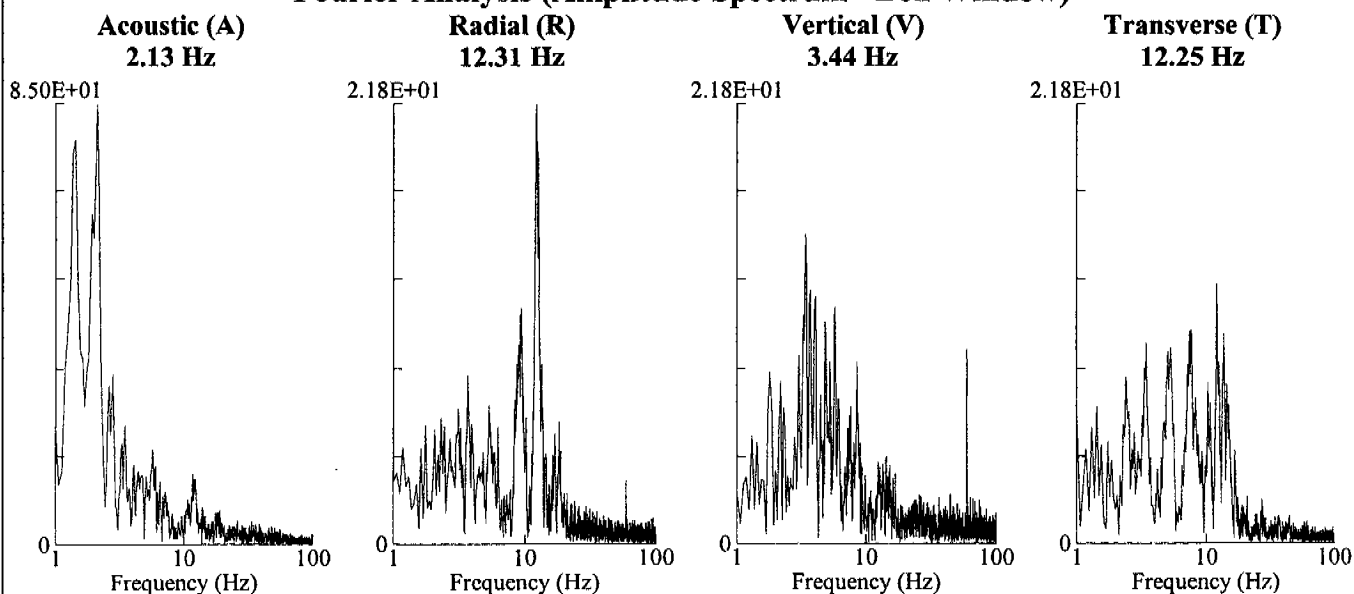
Acoustic (A): 114 dB @ 2.1 Hz
(0.10Mb 0.0015psi 0.0100kPa)
Radial (R): 0.015in/s 0.381mm/s @ 14.6Hz
Vertical (V): 0.01in/s 0.254mm/s @ 0.0Hz
***Transverse (T):* 0.025in/s 0.635mm/s @ 10.8Hz**
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)

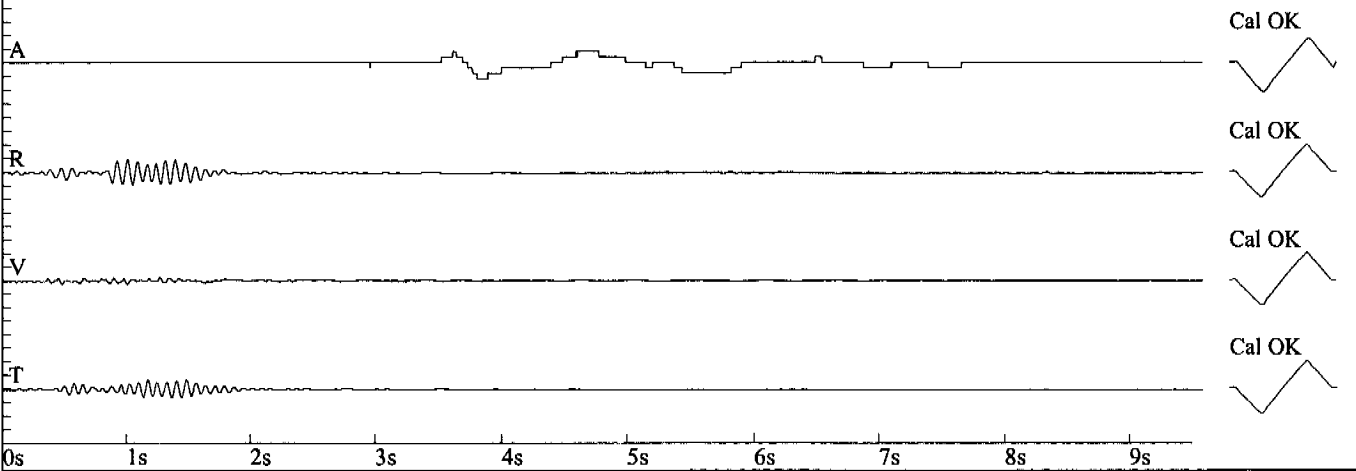


**West Virginia
Dean Sr. shallow**

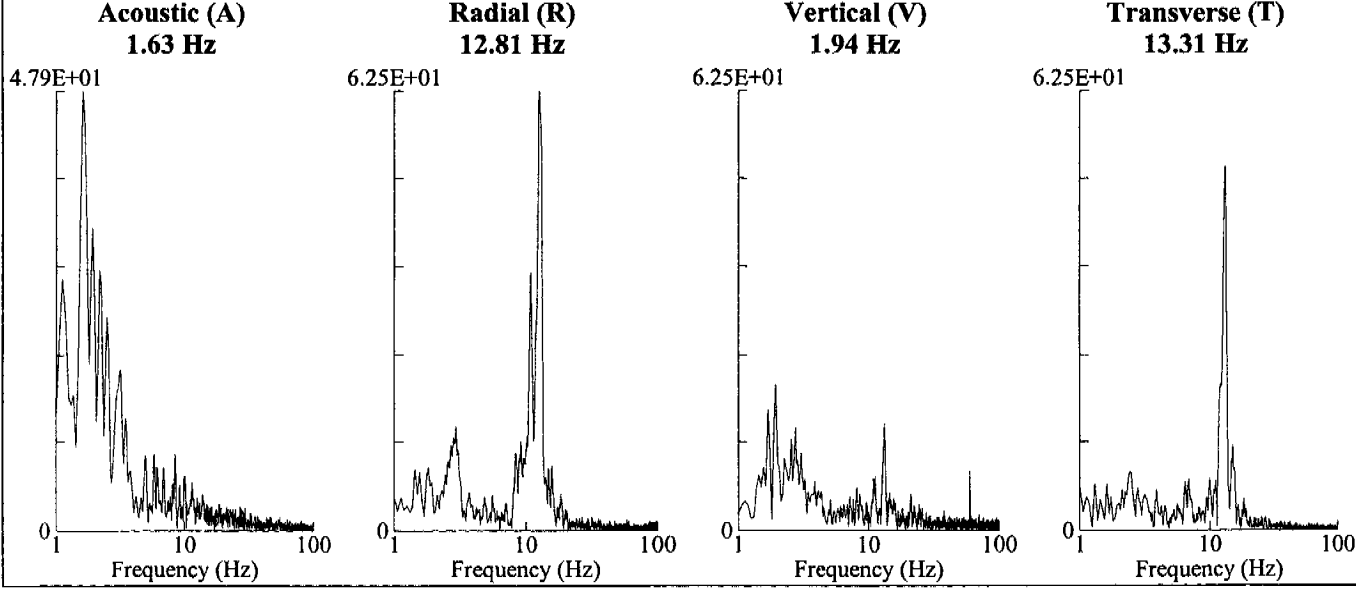
File: D1SAP004.DTB Event Number: 004 Date: 4/4/01 Time: 11:20
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies
Acoustic (A): 110 dB @ 1.7 Hz
 (0.06Mb 0.0009psi 0.0060kPa)
Radial (R): 0.05in/s 1.27mm/s @ 12.8Hz
Vertical (V): 0.015in/s 0.381mm/s @ 15.0Hz
Transverse (T): 0.035in/s 0.889mm/s @ 13.8Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information
 Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
 Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Dean Sr. shallow

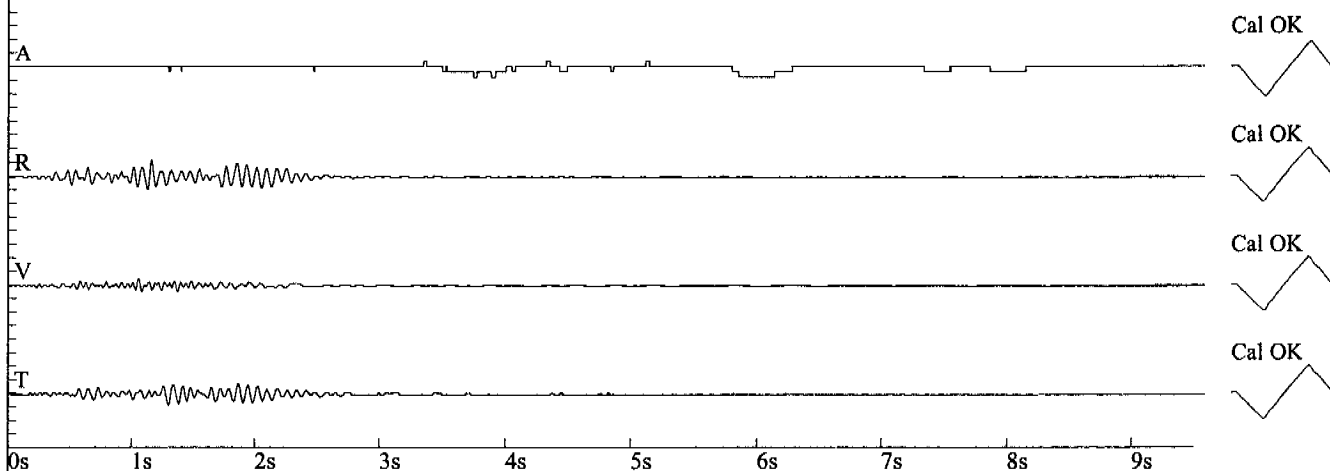
File: D1SAP006.DTB Event Number: 006 Date: 4/5/01 Time: 10:34
 Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

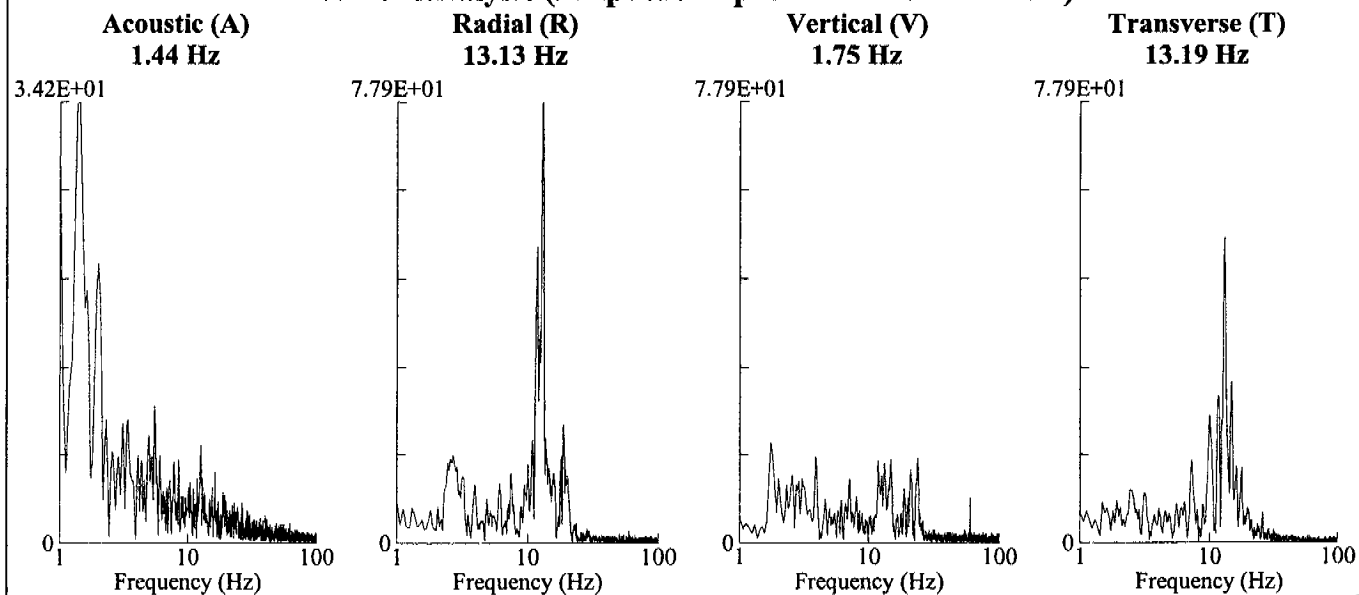
Acoustic (A): 106 dB @ 0.0 Hz
 (0.04Mb 0.0006psi 0.0040kPa)
Radial (R): 0.055in/s 1.397mm/s @ 16.0Hz
Vertical (V): 0.025in/s 0.635mm/s @ 21.3Hz
Transverse (T): 0.045in/s 1.143mm/s @ 12.4Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Sr. shallow**

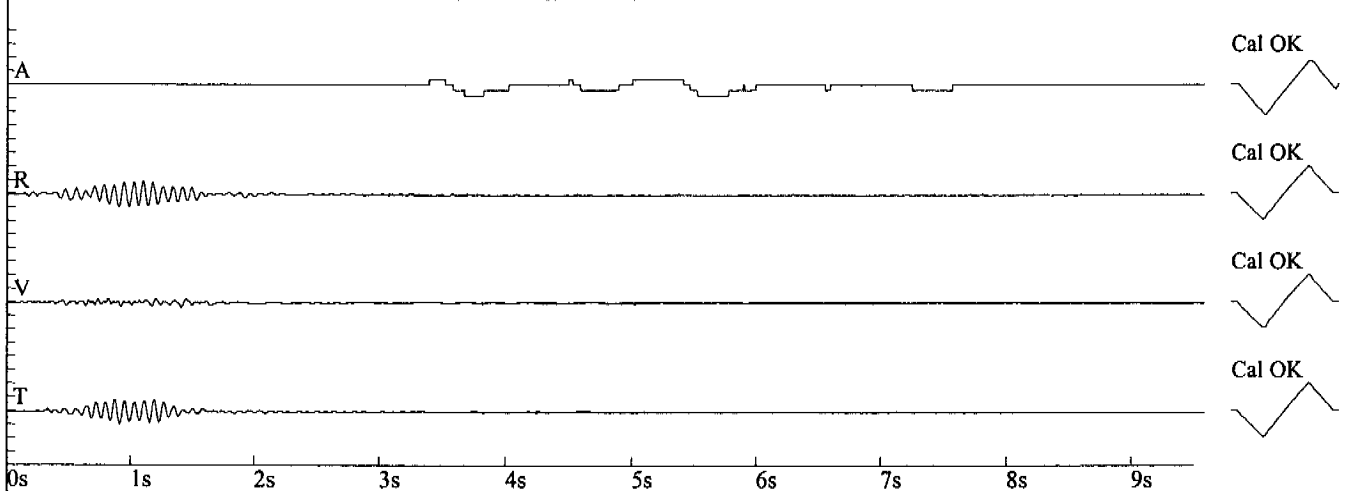
File: D1SAP007.DTB Event Number: 007 Date: 4/6/01 Time: 10:22
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

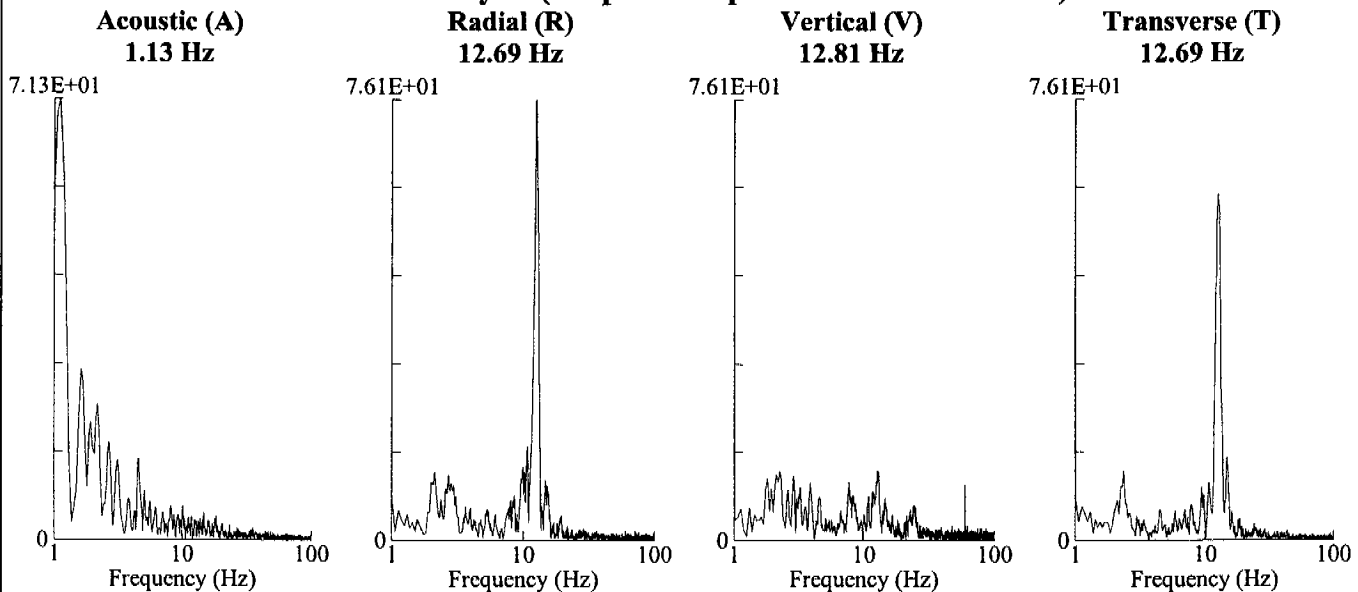
Acoustic (A): 106 dB @ 0.0 Hz
(0.04Mb 0.0006psi 0.0040kPa)
Radial (R): 0.05in/s 1.27mm/s @ 12.1Hz
Vertical (V): 0.02in/s 0.508mm/s @ 14.2Hz
Transverse (T): 0.05in/s 1.27mm/s @ 12.1Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Sr. shallow**

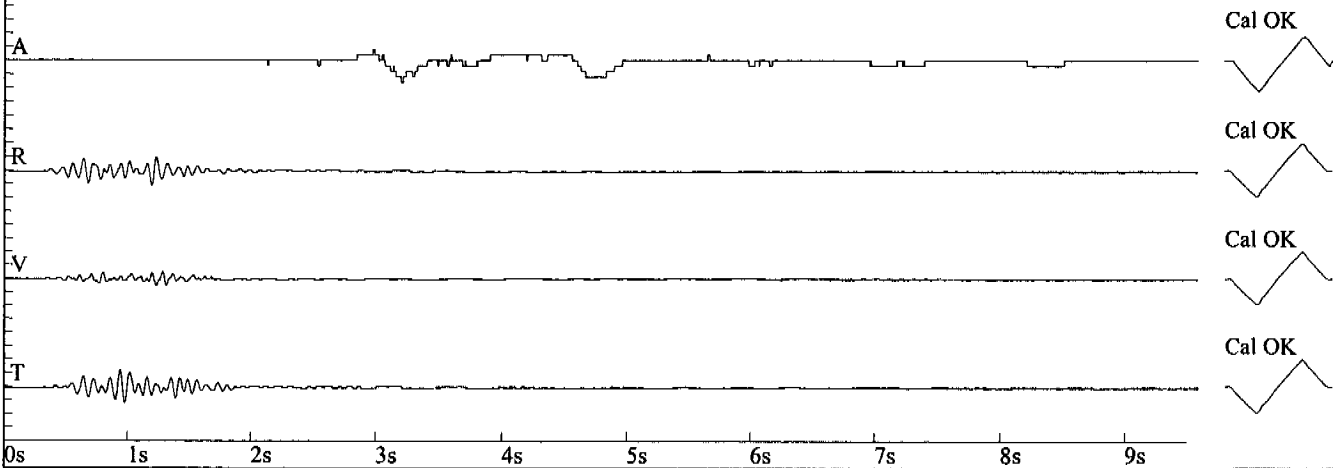
File: D1SAP009.DTB Event Number: 009 Date: 4/6/01 Time: 15:43
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

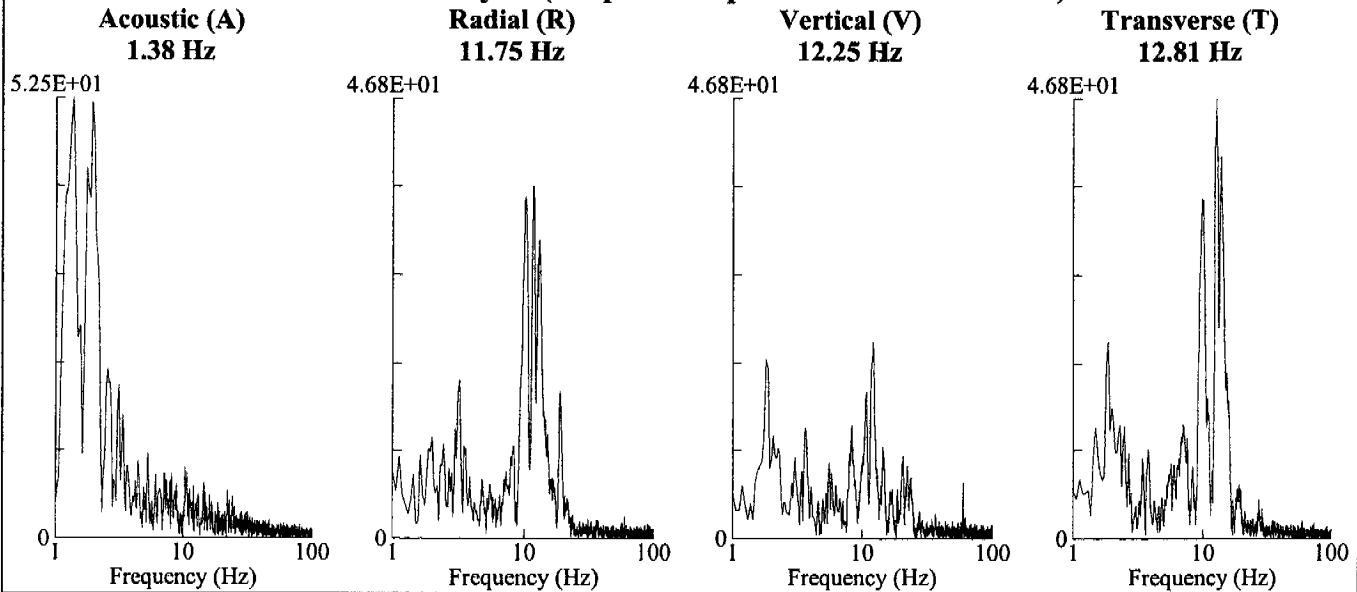
Acoustic (A): 112 dB @ 1.9 Hz
(0.08Mb 0.0012psi 0.0080kPa)
Radial (R): 0.055in/s 1.397mm/s @ 13.1Hz
Vertical (V): 0.03in/s 0.762mm/s @ 10.2Hz
Transverse (T): 0.06in/s 1.524mm/s @ 13.8Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)

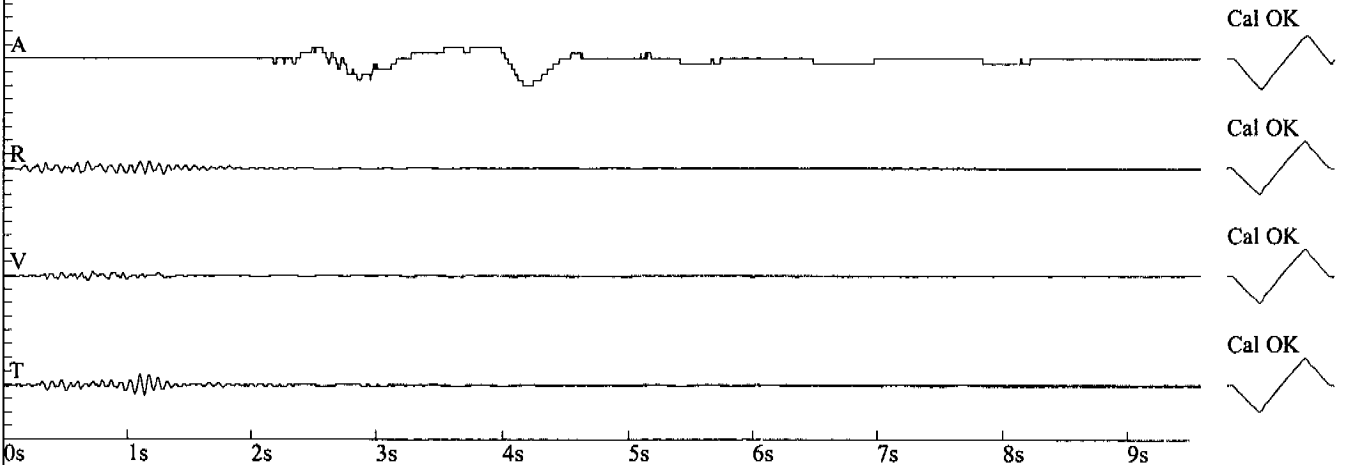


West Virginia Dean Sr. shallow

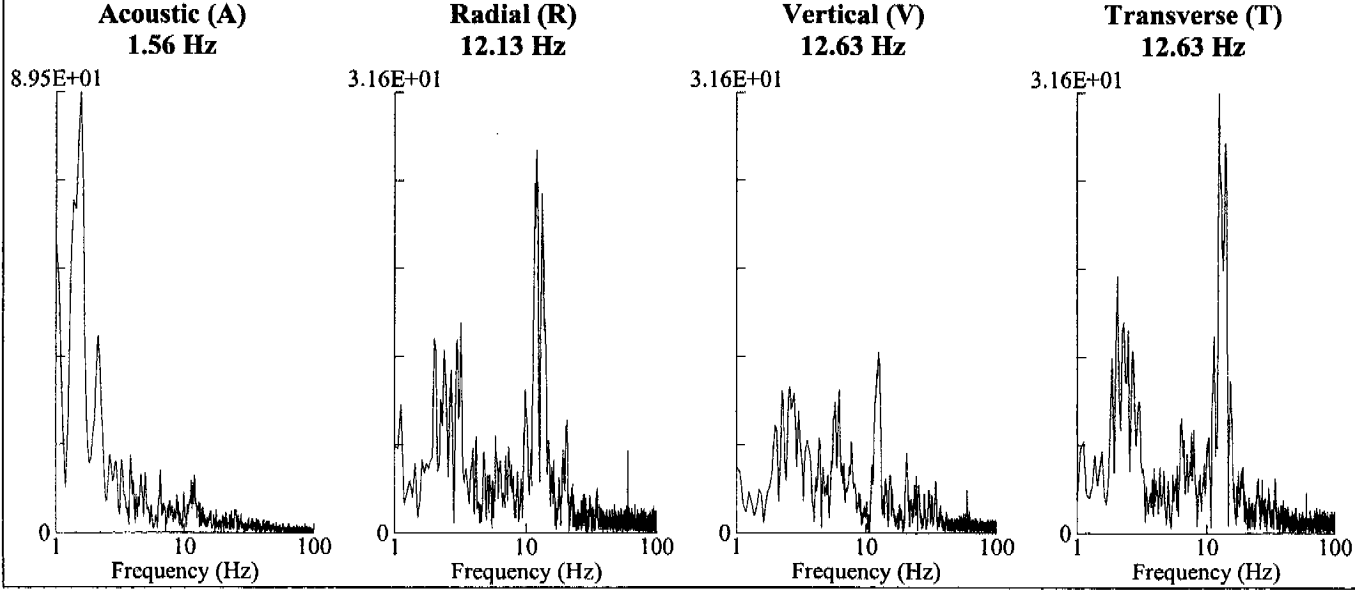
File: D1SAP019.DTB Event Number: 019 Date: 4/9/01 Time: 12:41
 Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies
 Acoustic (A): 114 dB @ 1.4 Hz
 (0.10Mb 0.0015psi 0.0100kPa)
 Radial (R): 0.025in/s 0.635mm/s @ 17.0Hz
 Vertical (V): 0.02in/s 0.508mm/s @ 13.4Hz
Transverse (T): 0.04in/s 1.016mm/s @ 14.2Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information
 Duration: 0.000 sec To: 9.500 sec
 Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
 Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
 Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Sr. shallow**

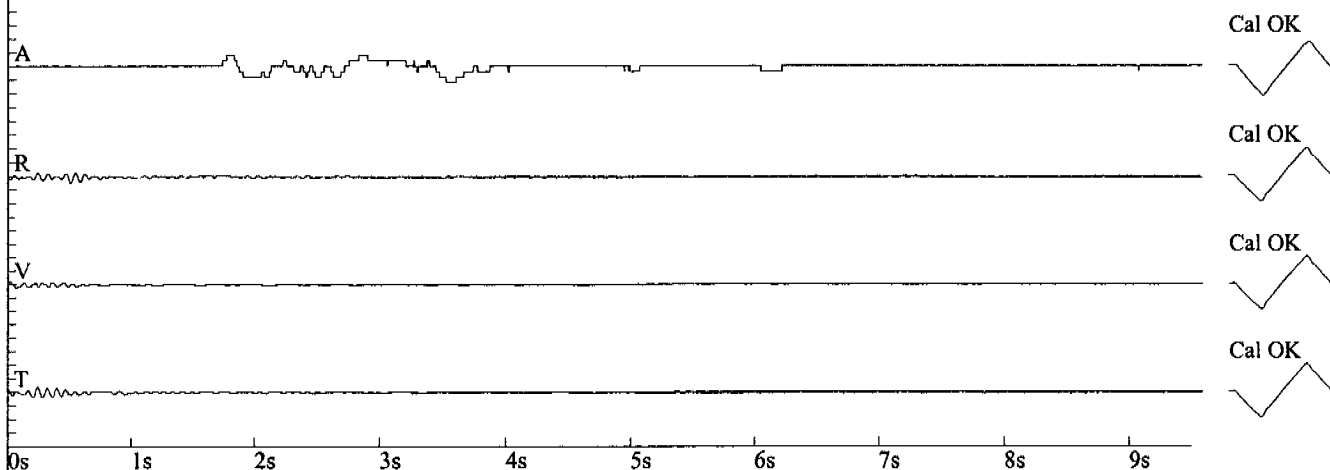
File: D1SAP020.DTB Event Number: 020 Date: 4/9/01 Time: 16:35
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

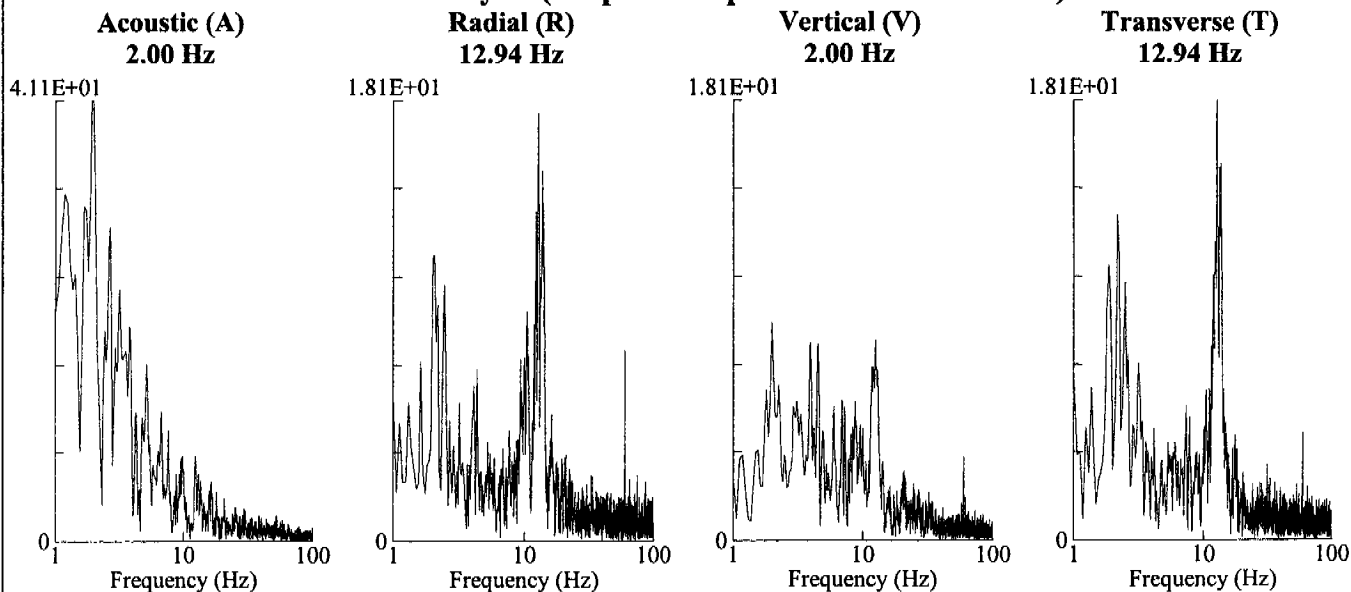
Acoustic (A): 110 dB @ 1.8 Hz
(0.06Mb 0.0009psi 0.0060kPa)
Radial (R): 0.025in/s 0.635mm/s @ 12.8Hz
Vertical (V): 0.01in/s 0.254mm/s @ 0.0Hz
Transverse (T): 0.01in/s 0.254mm/s @ 0.0Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Sr. shallow**

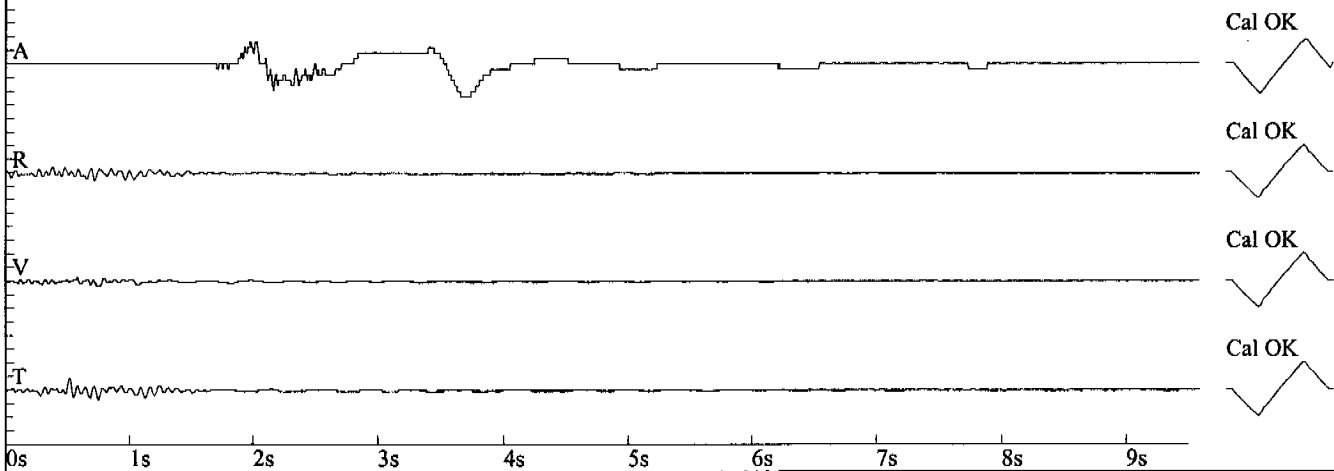
File: D1SAP021.DTB Event Number: 021 Date: 4/10/01 Time: 15:45
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

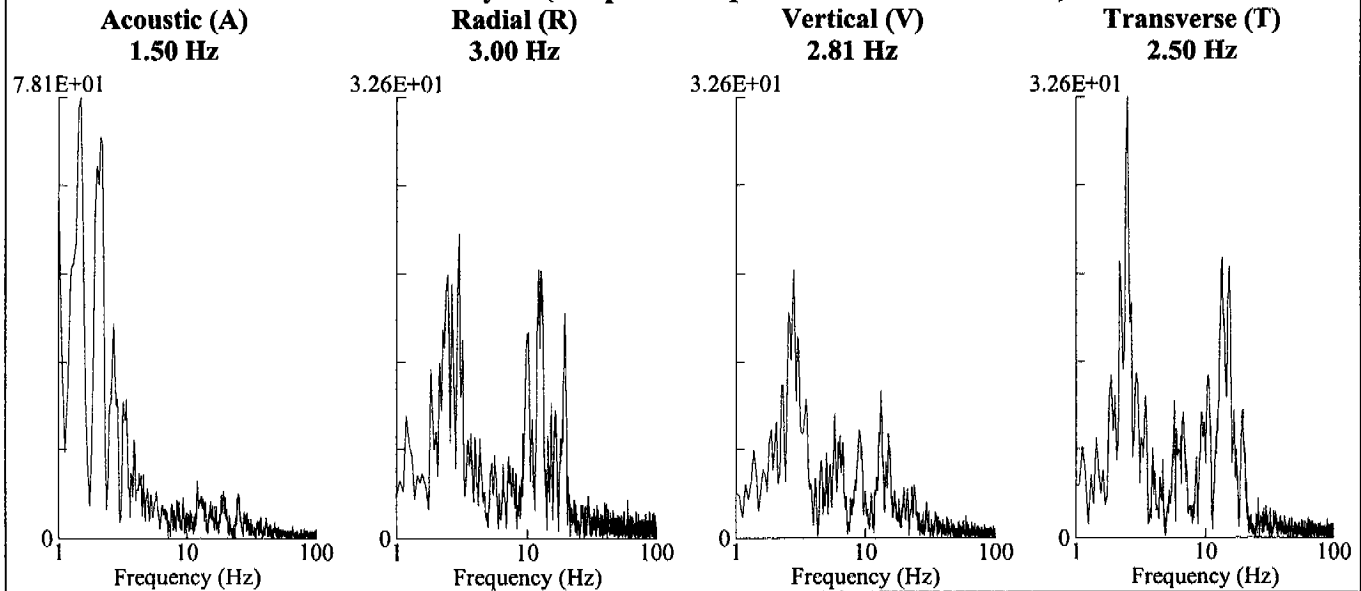
Acoustic (A): 116 dB @ 1.4 Hz
(0.12Mb 0.0017psi 0.0120kPa)
Radial (R): 0.03in/s 0.762mm/s @ 15.0Hz
Vertical (V): 0.02in/s 0.508mm/s @ 9.3Hz
Transverse (T): 0.045in/s 1.143mm/s @ 14.2Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



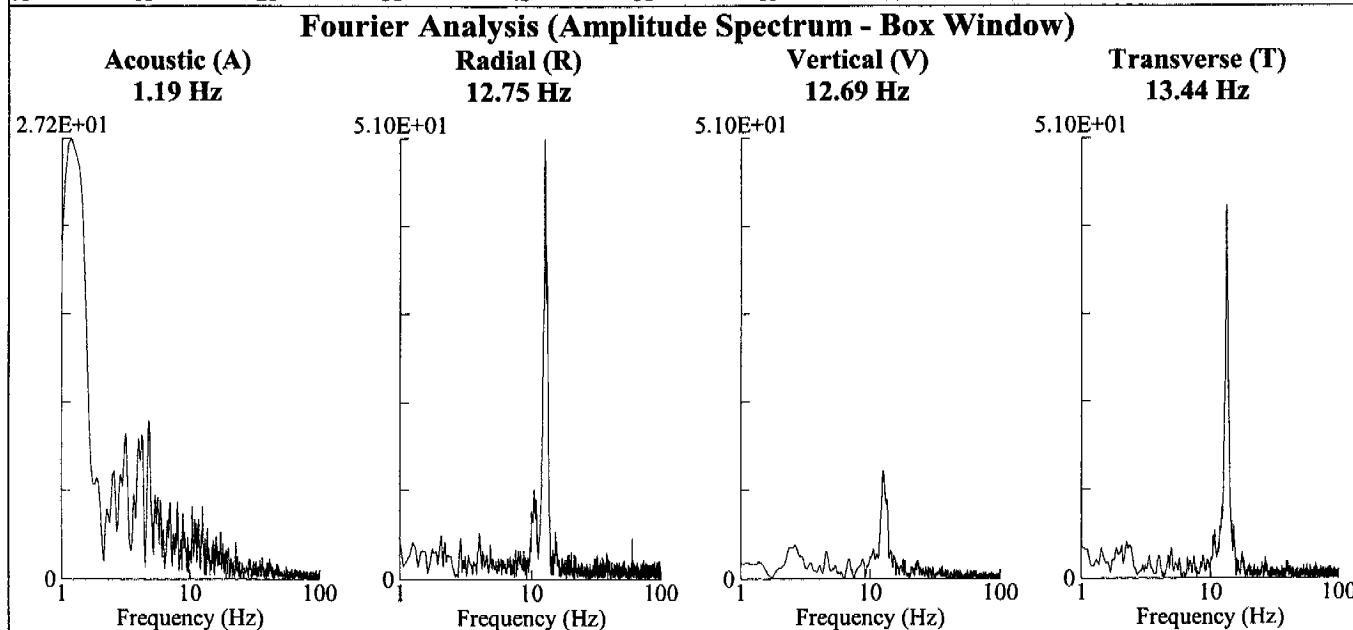
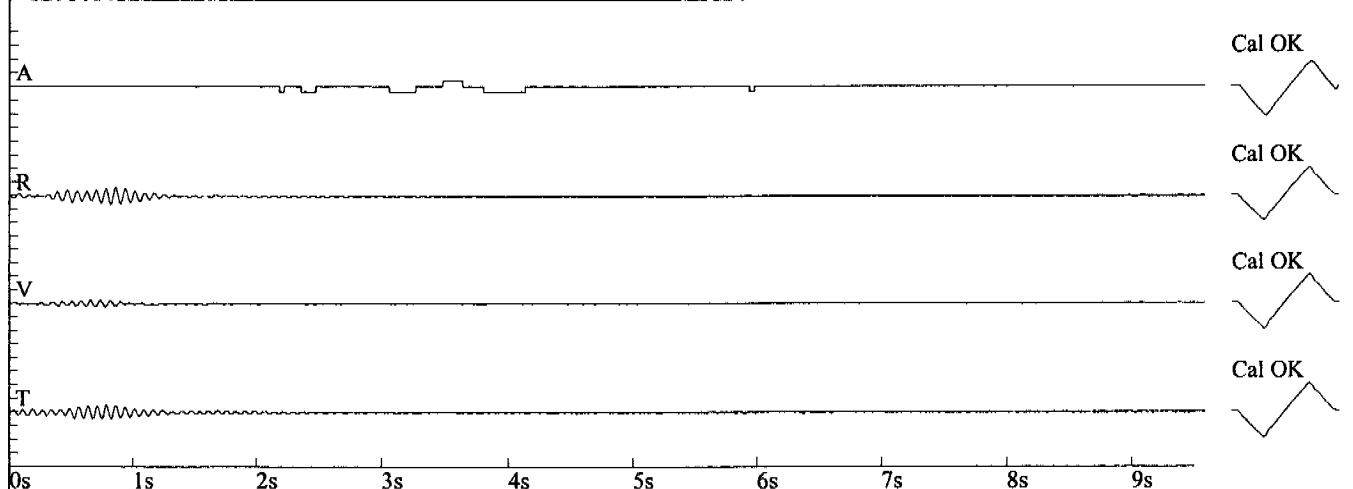
Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Dean Sr. shallow

File: D1SAP022.DTB Event Number: 022 Date: 4/10/01 Time: 16:53
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies	Graph Information
Acoustic (A): 100 dB @ 0.0 Hz (0.02Mb 0.0003psi 0.0020kPa)	Duration: 0.000 sec To: 9.500 sec
Radial (R): 0.035in/s 0.889mm/s @ 13.4Hz	Acoustic Scale: 120dB 0.20Mb (0.050Mb/div)
Vertical (V): 0.015in/s 0.381mm/s @ 13.8Hz	Seismic Scale: 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Transverse (T): 0.025in/s 0.635mm/s @ 16.5Hz	Time Lines at: 1.00 sec intervals
Calibration Date (yyyy/mm/dd): 2000/11/22	



**West Virginia
Dean Sr. shallow**

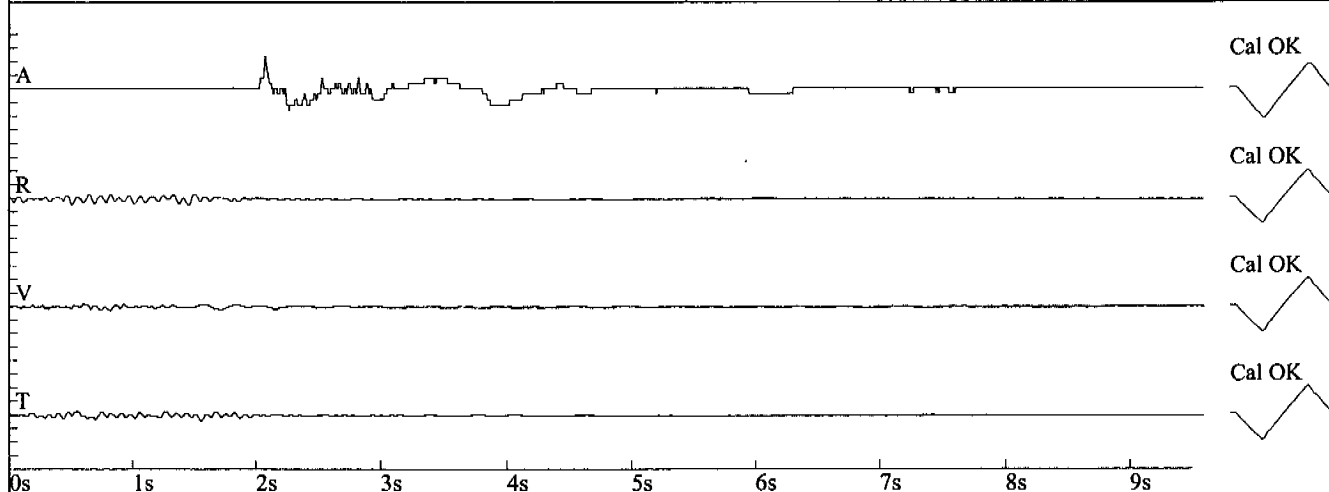
File: D1SAP040.DTB Event Number: 040 Date: 4/11/01 Time: 09:57
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

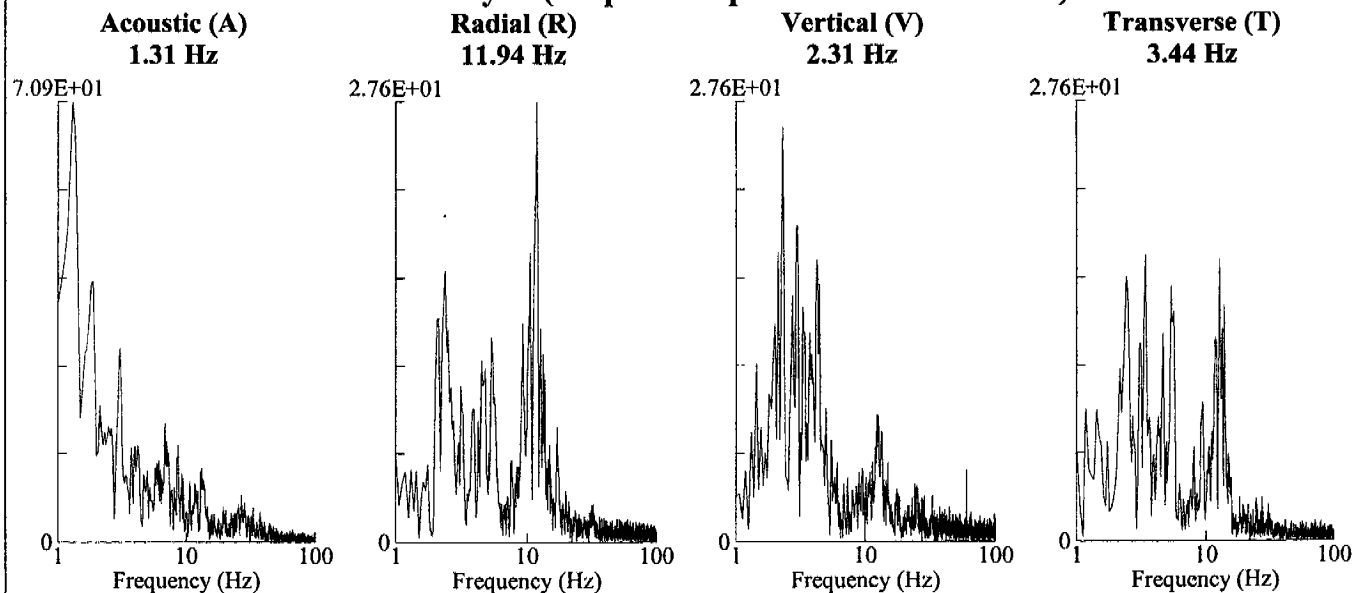
Acoustic (A): 116 dB @ 5.6 Hz
(0.12Mb 0.0017psi 0.0120kPa)
Radial (R): 0.025in/s 0.635mm/s @ 10.8Hz
Vertical (V): 0.015in/s 0.381mm/s @ 9.3Hz
Transverse (T): 0.025in/s 0.635mm/s @ 8.6Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Sr. shallow**

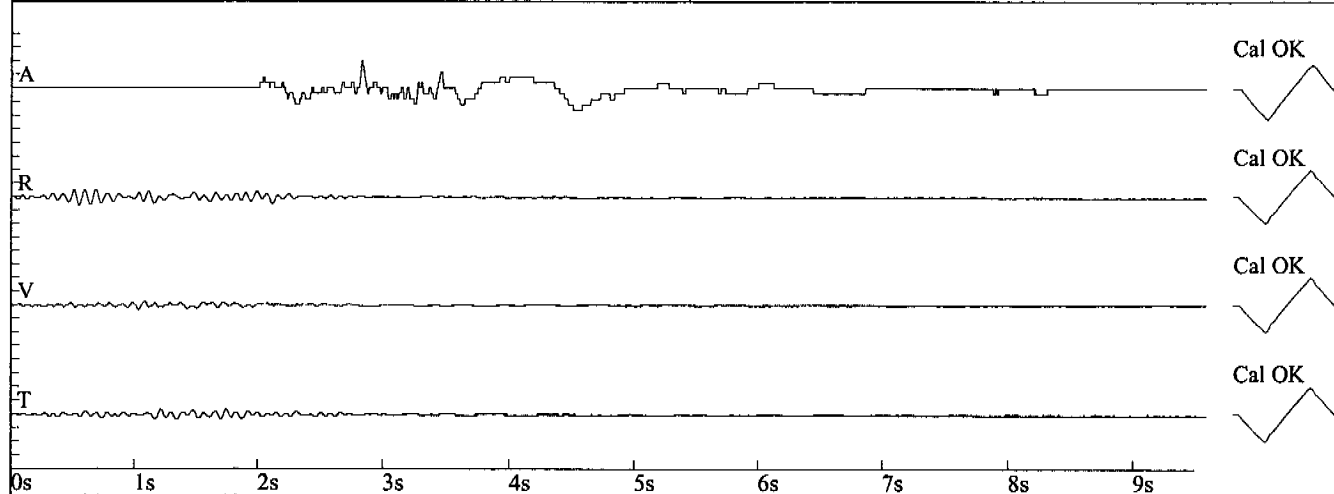
File: D1SAP042.DTB Event Number: 042 Date: 4/12/01 Time: 10:37
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

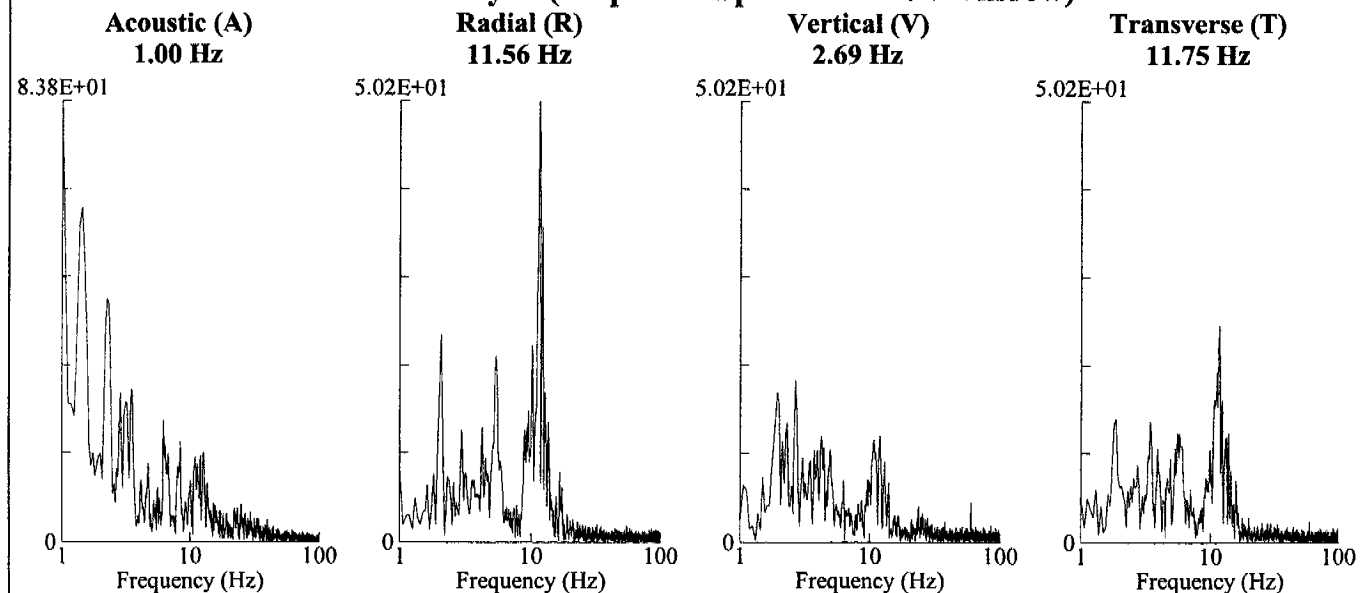
Acoustic (A): 114 dB @ 10.4 Hz
(0.10Mb 0.0015psi 0.0100kPa)
Radial (R): 0.035in/s 0.889mm/s @ 11.6Hz
Vertical (V): 0.02in/s 0.508mm/s @ 12.1Hz
Transverse (T): 0.02in/s 0.508mm/s @ 11.1Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Sr. shallow**

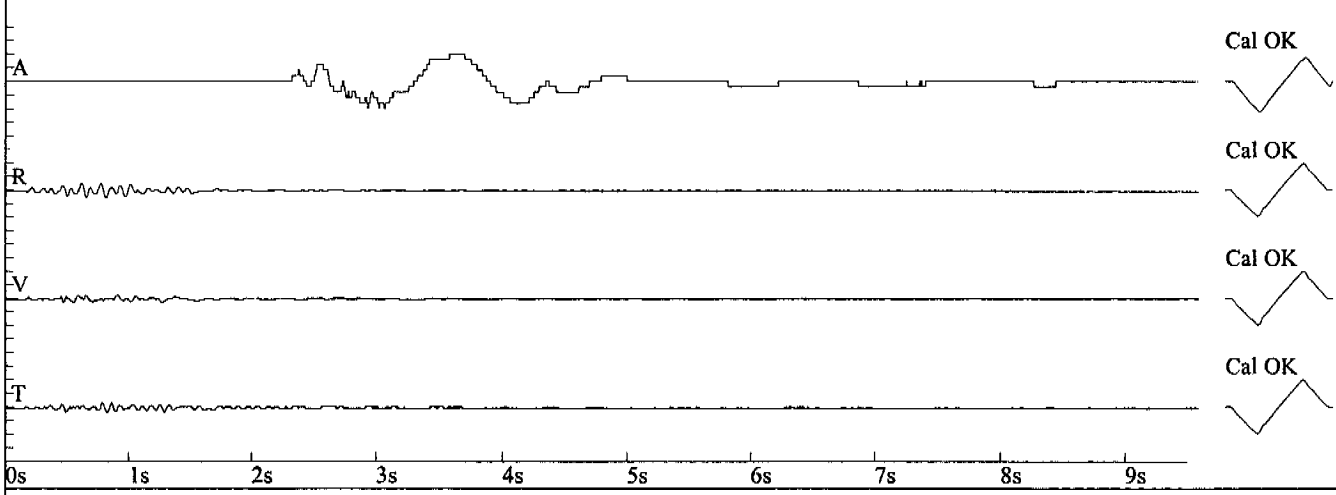
File: DISAP043.DTB Event Number: 043 Date: 4/12/01 Time: 12:22
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

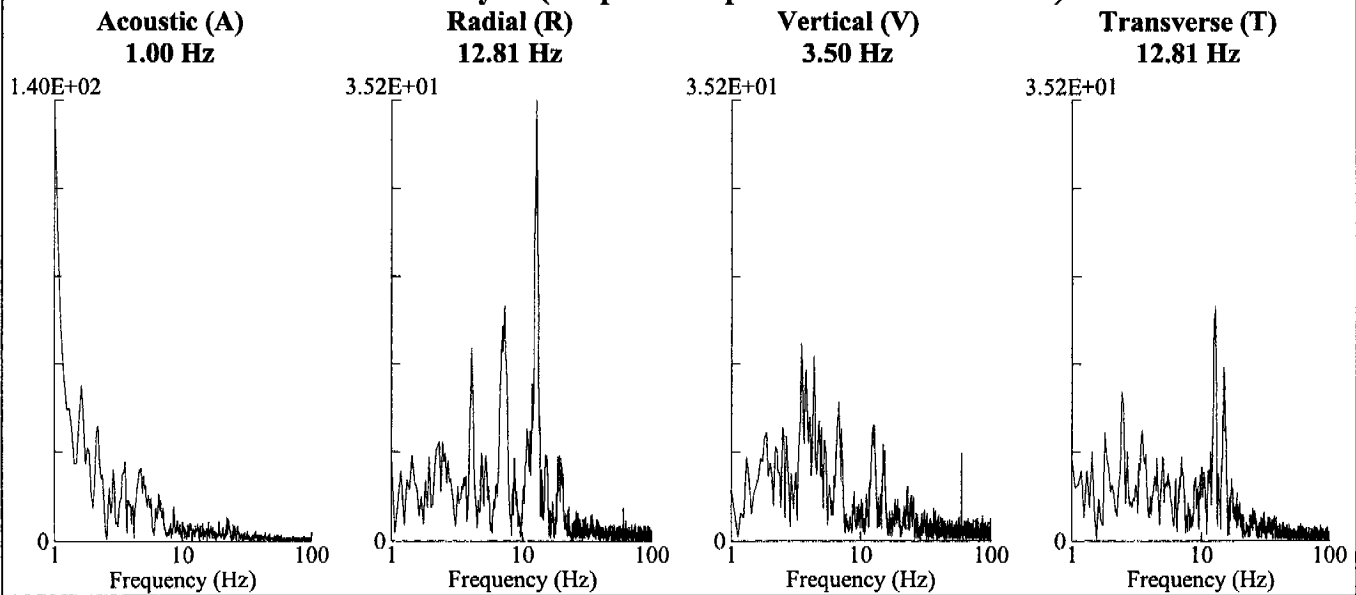
Acoustic (A): 114 dB @ 1.1 Hz
(0.10Mb 0.0015psi 0.0100kPa)
Radial (R): 0.03in/s 0.762mm/s @ 14.2Hz
Vertical (V): 0.015in/s 0.381mm/s @ 11.6Hz
Transverse (T): 0.02in/s 0.508mm/s @ 13.8Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Sr. shallow**

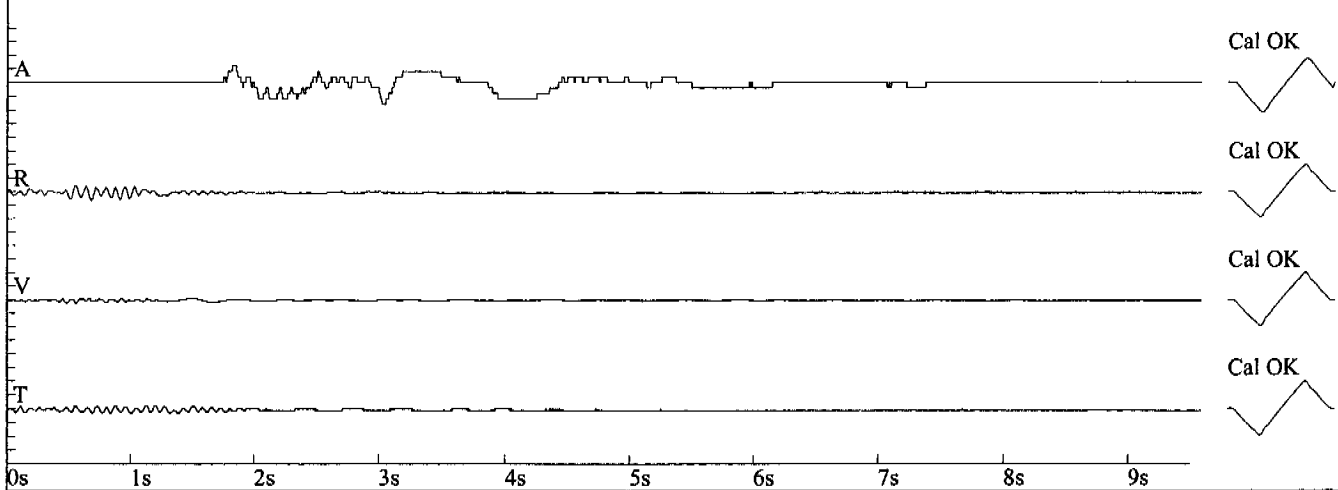
File: D1SAP046.DTB Event Number: 046 Date: 4/13/01 Time: 10:30
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

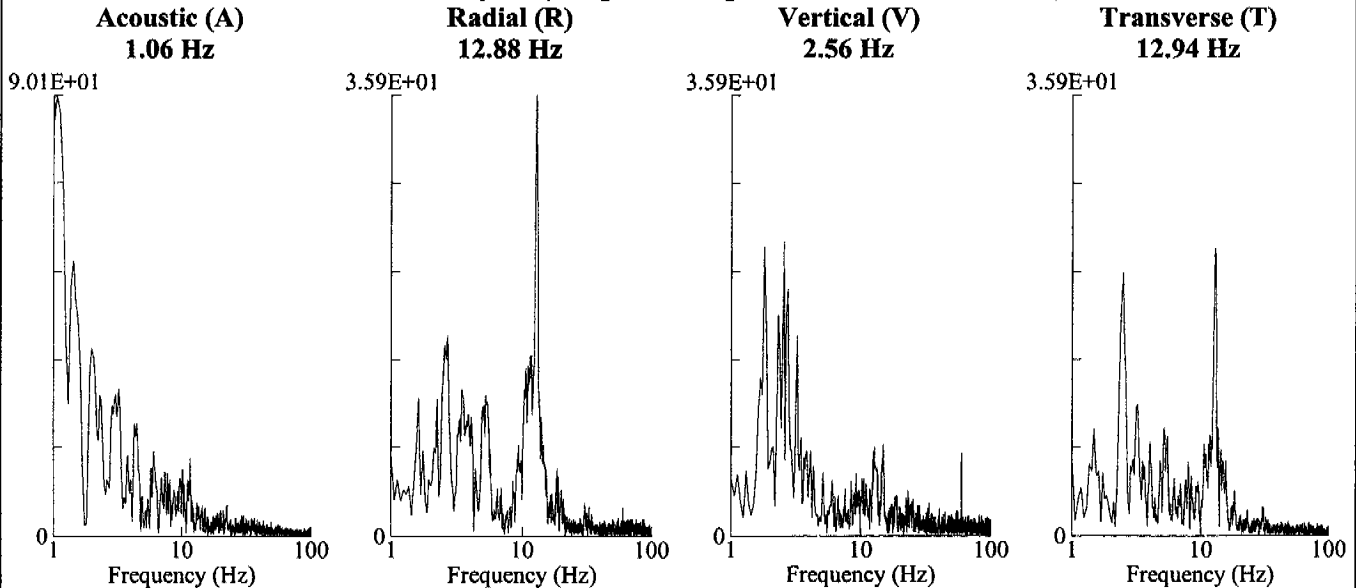
Acoustic (A): 112 dB @ 4.2 Hz
(0.08Mb 0.0012psi 0.0080kPa)
Radial (R): 0.035in/s 0.889mm/s @ 11.9Hz
Vertical (V): 0.015in/s 0.381mm/s @ 16.5Hz
Transverse (T): 0.015in/s 0.381mm/s @ 15.5Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dear Sr. deep**

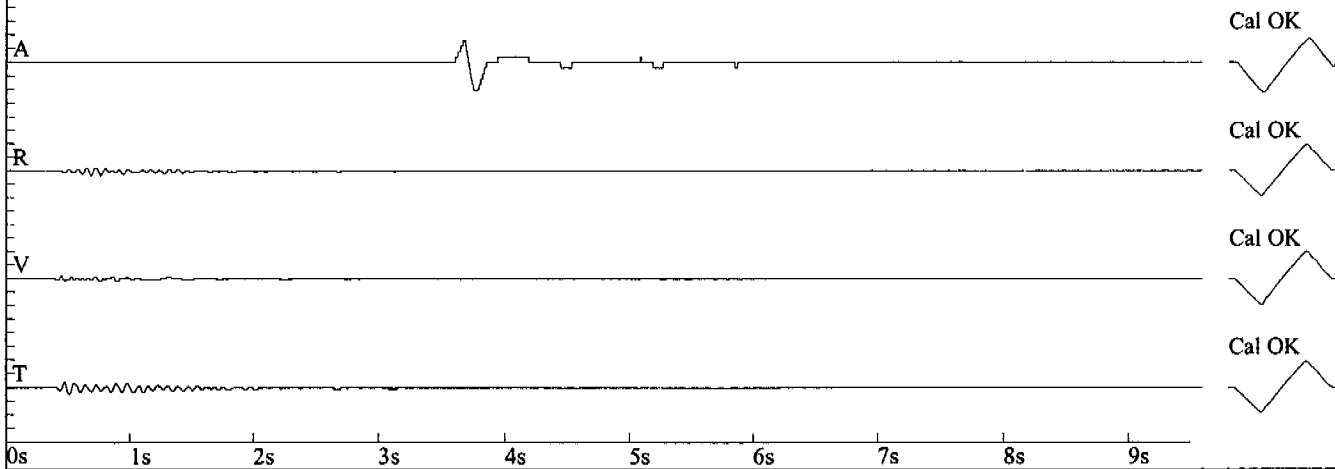
File: D1DAP003.DTB Event Number: 003 Date: 4/3/01 Time: 08:40
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1782

Amplitudes and Frequencies

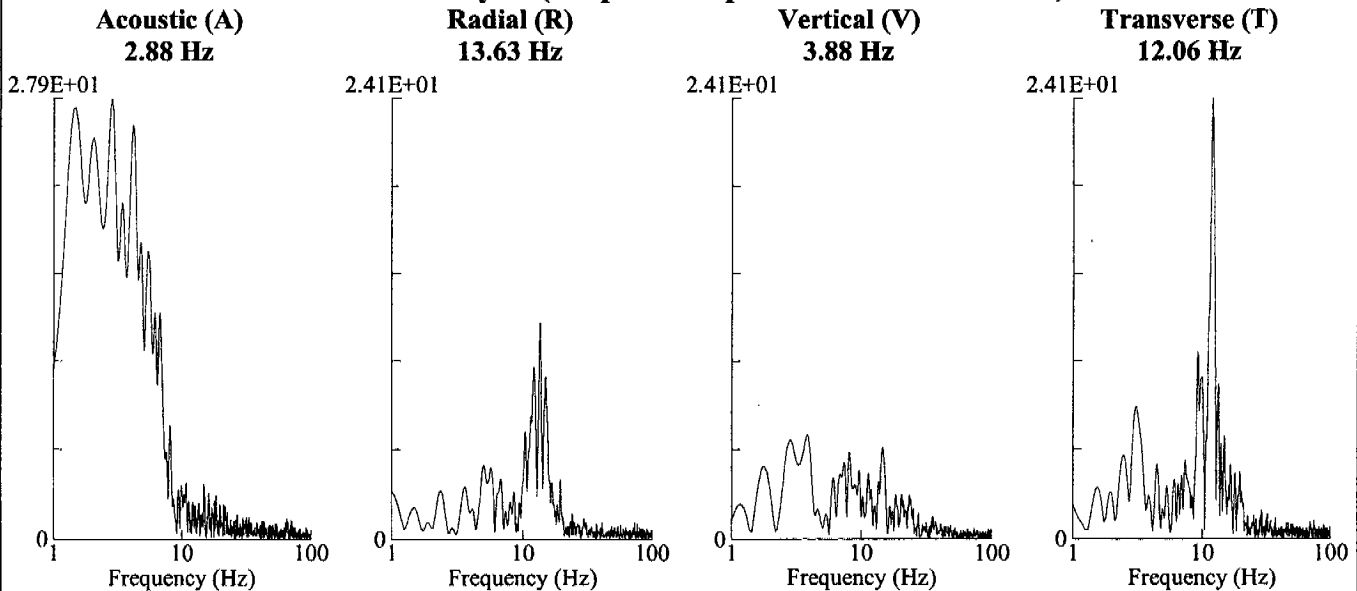
Acoustic (A): 114 dB @ 3.8 Hz
(0.10Mb 0.0015psi 0.0100kPa)
Radial (R): 0.02in/s 0.508mm/s @ 16.0Hz
Vertical (V): 0.01in/s 0.254mm/s @ 0.0Hz
***Transverse (T):* 0.025in/s 0.635mm/s @ 12.4Hz**
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Dear Sr. deep

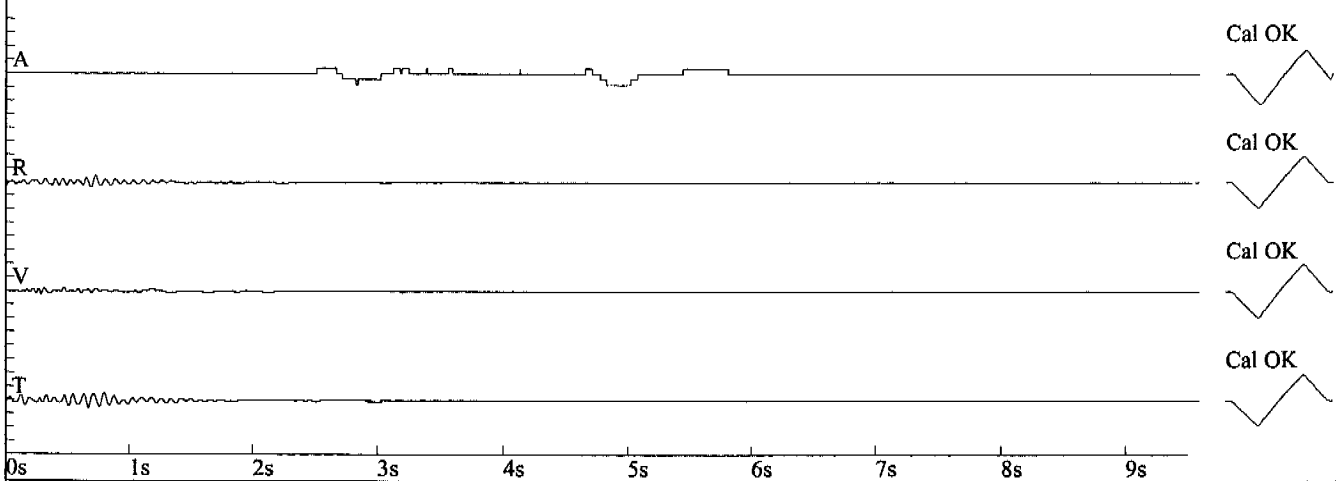
File: D1DAP004.DTB Event Number: 004 Date: 4/3/01 Time: 13:50
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1782

Amplitudes and Frequencies

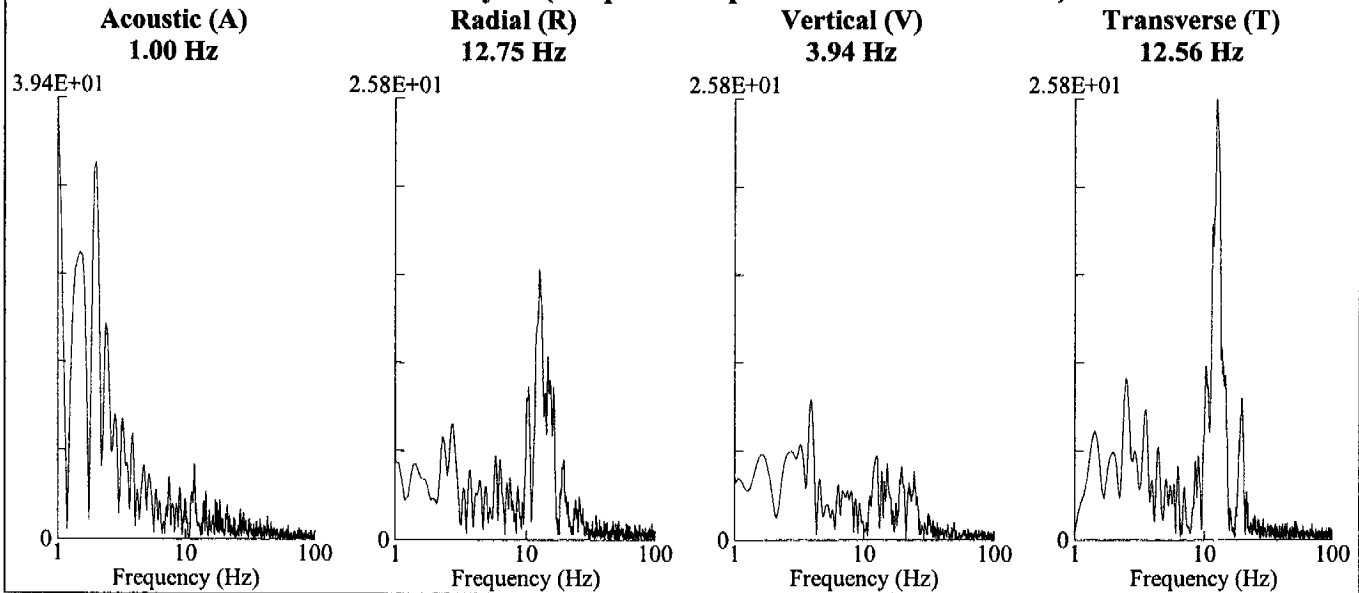
Acoustic (A): 106 dB @ 0.0 Hz
(0.04Mb 0.0006psi 0.0040kPa)
Radial (R): 0.025in/s 0.635mm/s @ 15.0Hz
Vertical (V): 0.01in/s 0.254mm/s @ 0.0Hz
Transverse (T): 0.03in/s 0.762mm/s @ 15.0Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Dear Sr. deep

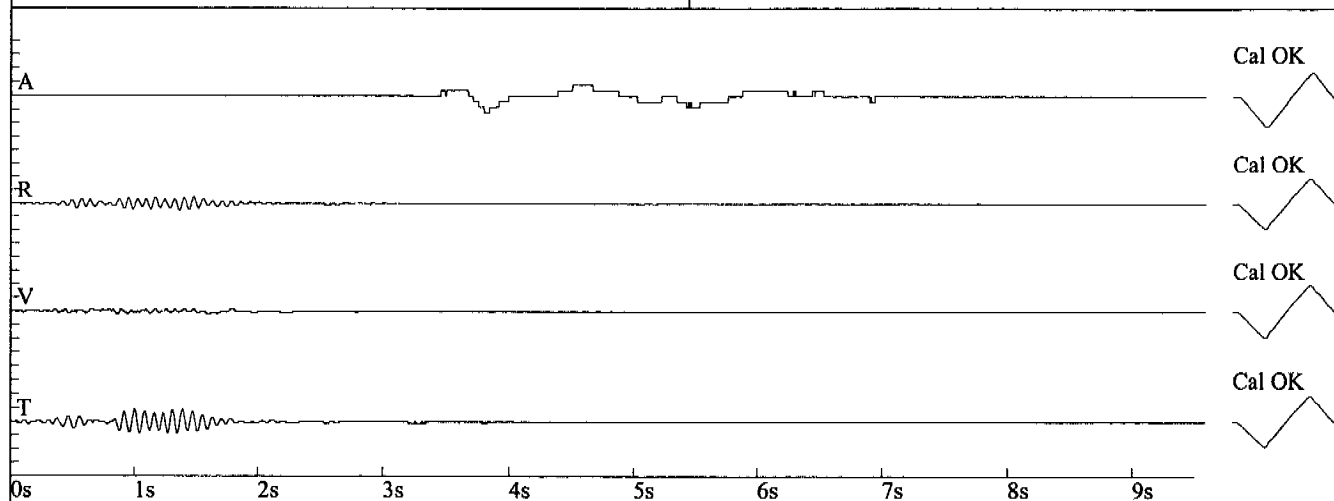
File: D1DAP005.DTB Event Number: 005 Date: 4/4/01 Time: 11:19
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1782

Amplitudes and Frequencies

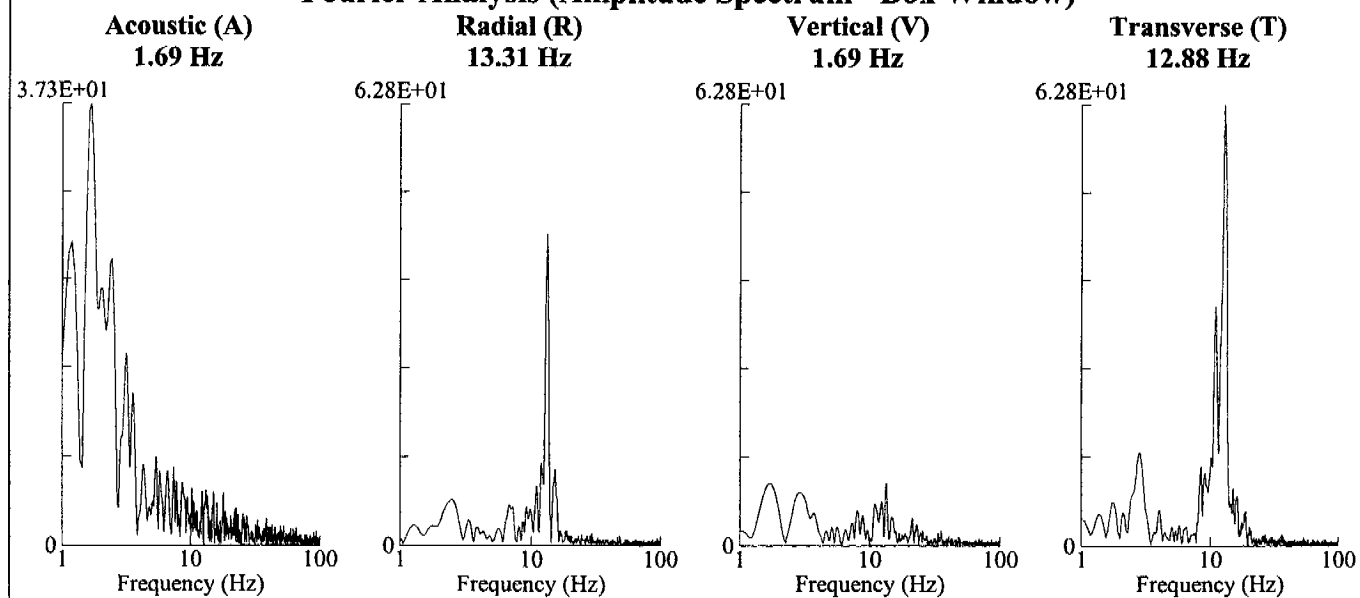
Acoustic (A): 110 dB @ 2.1 Hz
(0.06Mb 0.0009psi 0.0060kPa)
Radial (R): 0.03in/s 0.762mm/s @ 13.4Hz
Vertical (V): 0.015in/s 0.381mm/s @ 16.0Hz
Transverse (T): 0.045in/s 1.143mm/s @ 13.1Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dear Sr. deep**

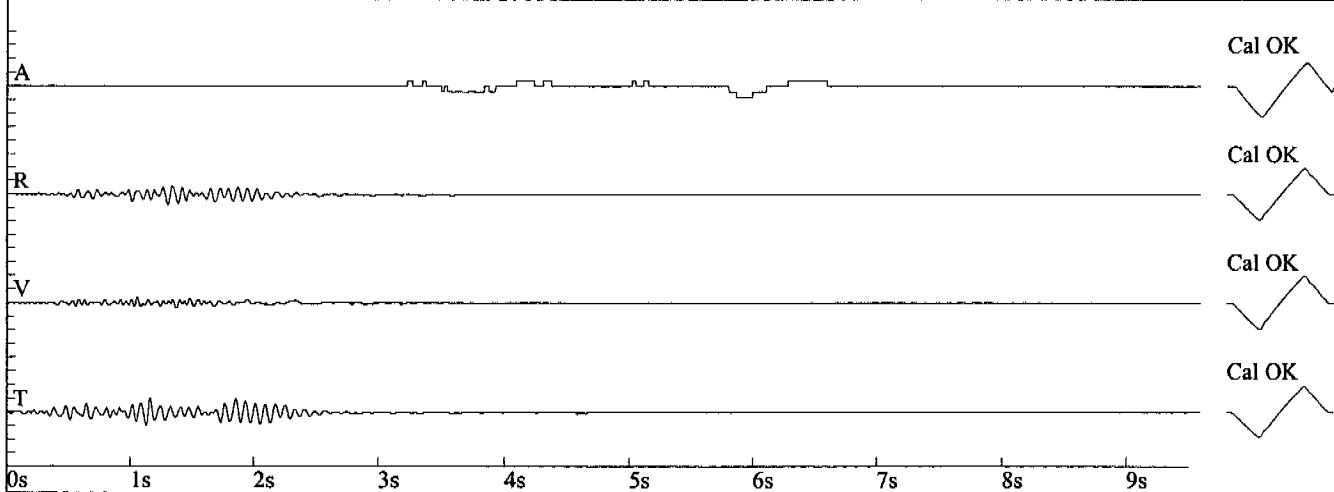
File: D1DAP006.DTB Event Number: 006 Date: 4/5/01 Time: 10:33
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1782

Amplitudes and Frequencies

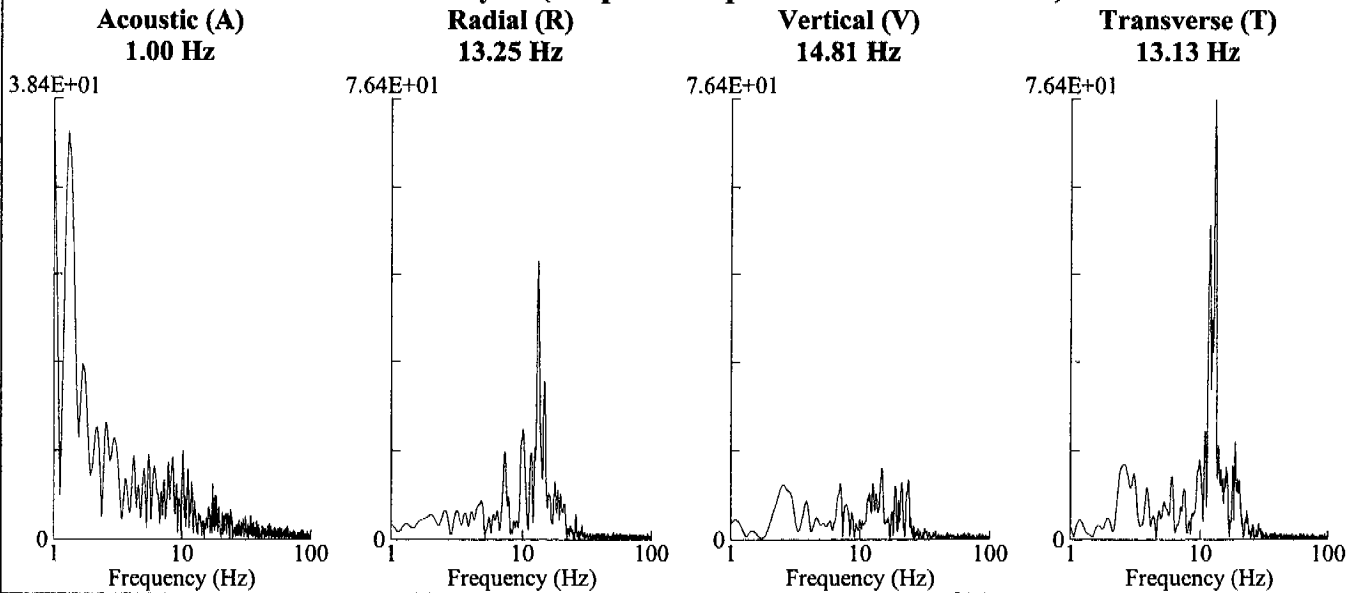
Acoustic (A): 106 dB @ 0.0 Hz
(0.04Mb 0.0006psi 0.0040kPa)
Radial (R): 0.04in/s 1.016mm/s @ 13.8Hz
Vertical (V): 0.02in/s 0.508mm/s @ 21.3Hz
Transverse (T): 0.05in/s 1.27mm/s @ 15.0Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dear Sr. deep**

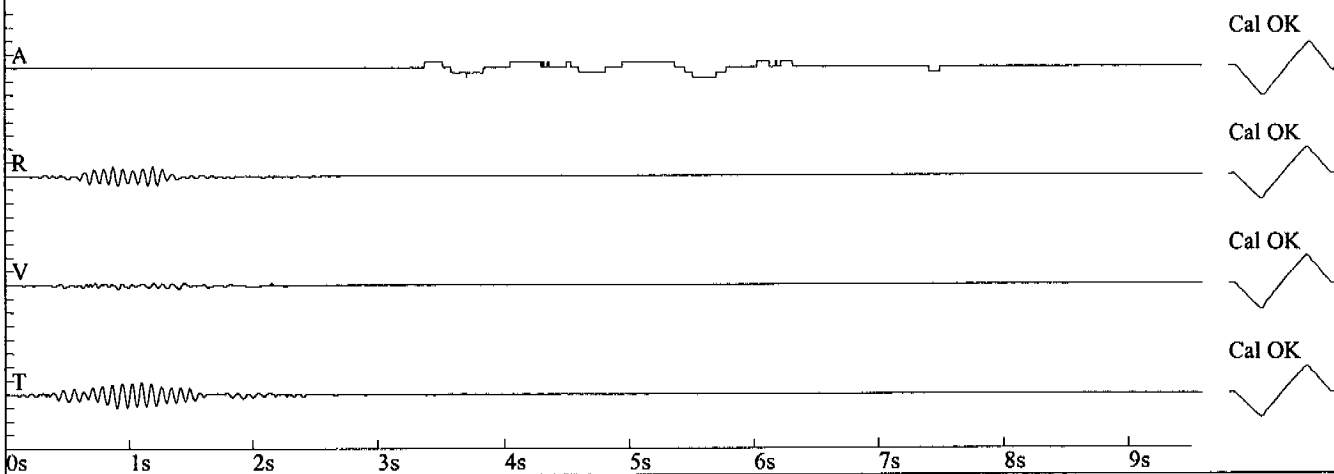
File: D1DAP007.DTB Event Number: 007 Date: 4/6/01 Time: 10:21
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1782

Amplitudes and Frequencies

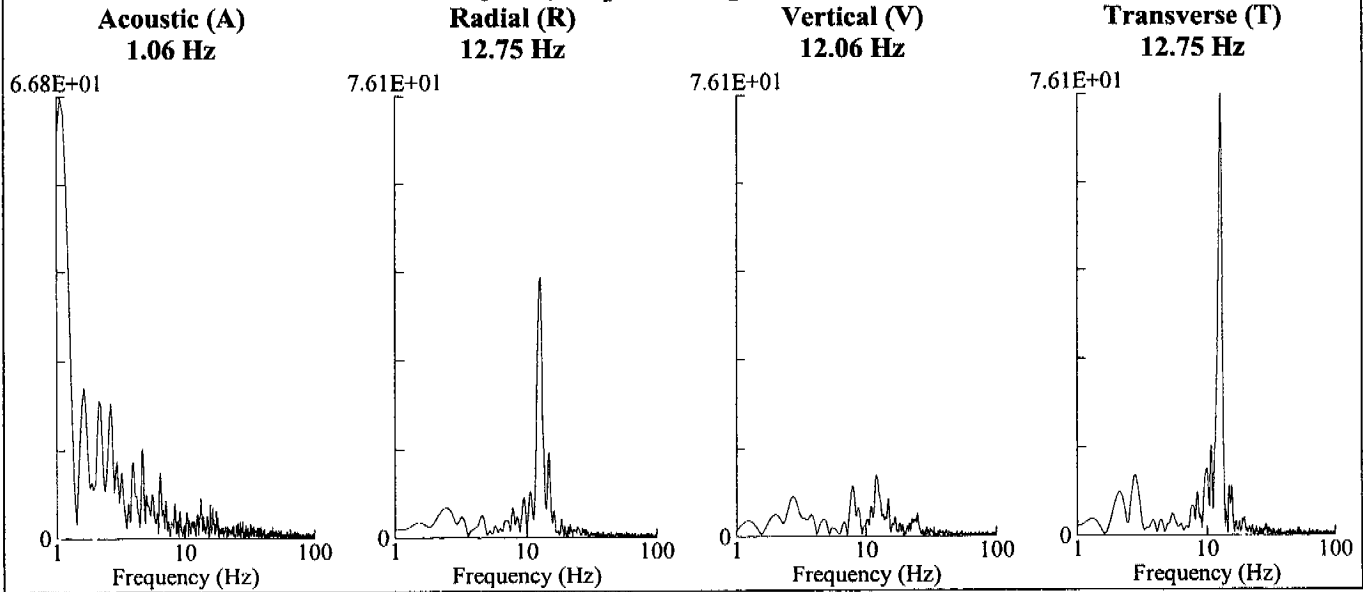
Acoustic (A): 106 dB @ 0.0 Hz
(0.04Mb 0.0006psi 0.0040kPa)
Radial (R): 0.035in/s 0.889mm/s @ 14.6Hz
Vertical (V): 0.015in/s 0.381mm/s @ 17.0Hz
Transverse (T): 0.05in/s 1.27mm/s @ 12.4Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



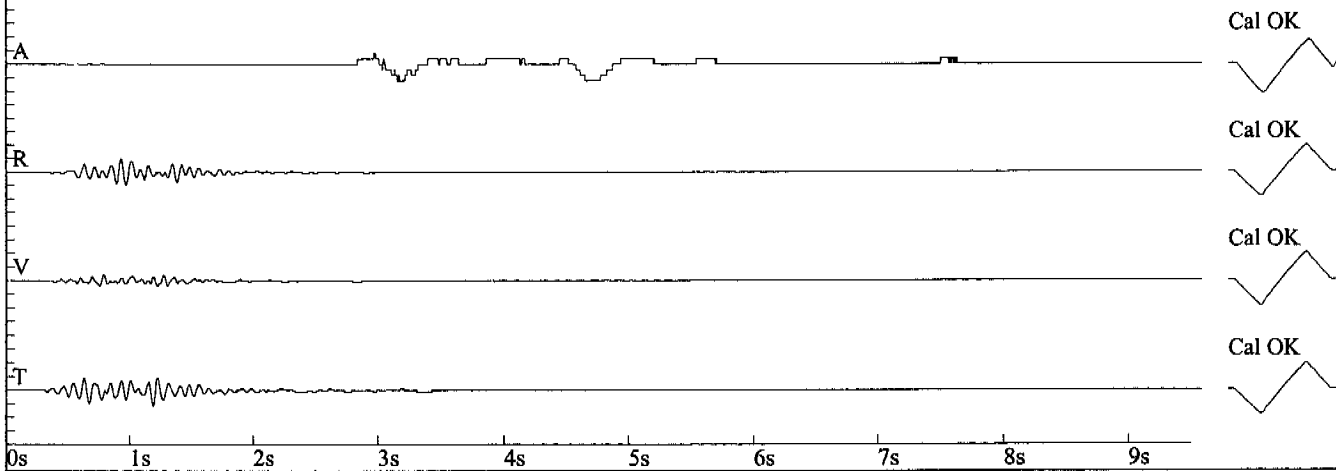
File: D1DAP008.DTB Event Number: 008 Date: 4/6/01 Time: 15:42
 Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1782

Amplitudes and Frequencies

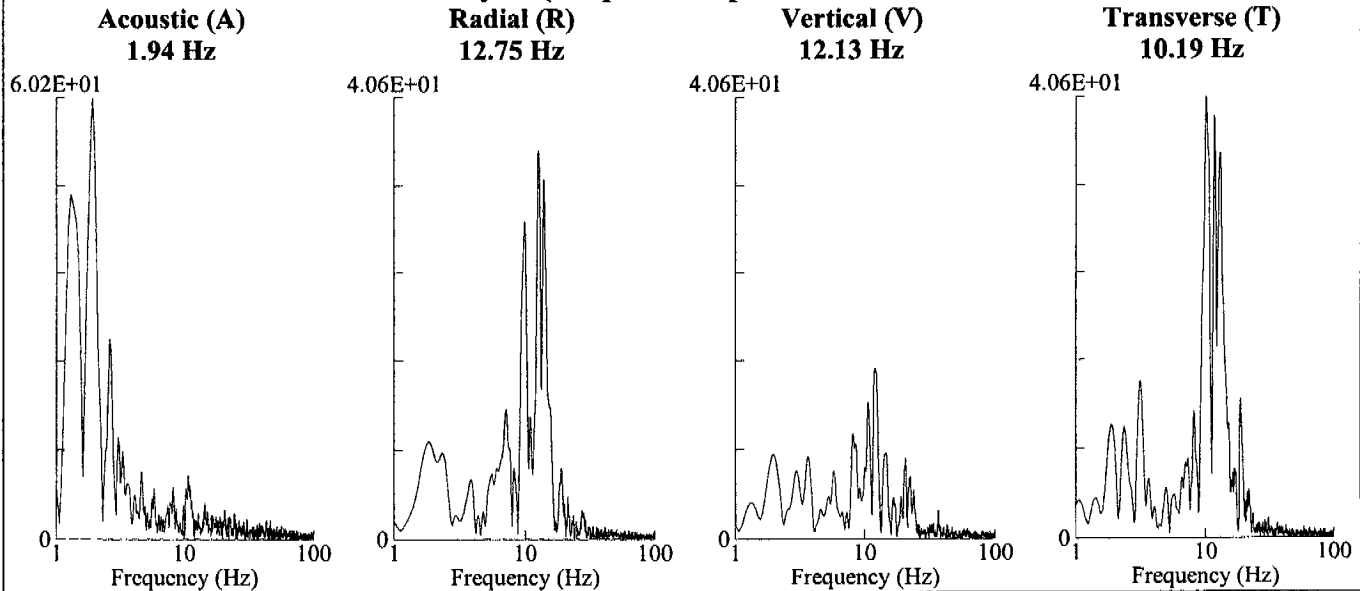
Acoustic (A): 110 dB @ 2.7 Hz
 (0.06Mb 0.0009psi 0.0060kPa)
 Radial (R): 0.05in/s 1.27mm/s @ 13.4Hz
 Vertical (V): 0.02in/s 0.508mm/s @ 18.9Hz
 Transverse (T): 0.06in/s 1.524mm/s @ 13.4Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
 Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
 Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
 Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dear Sr. deep**

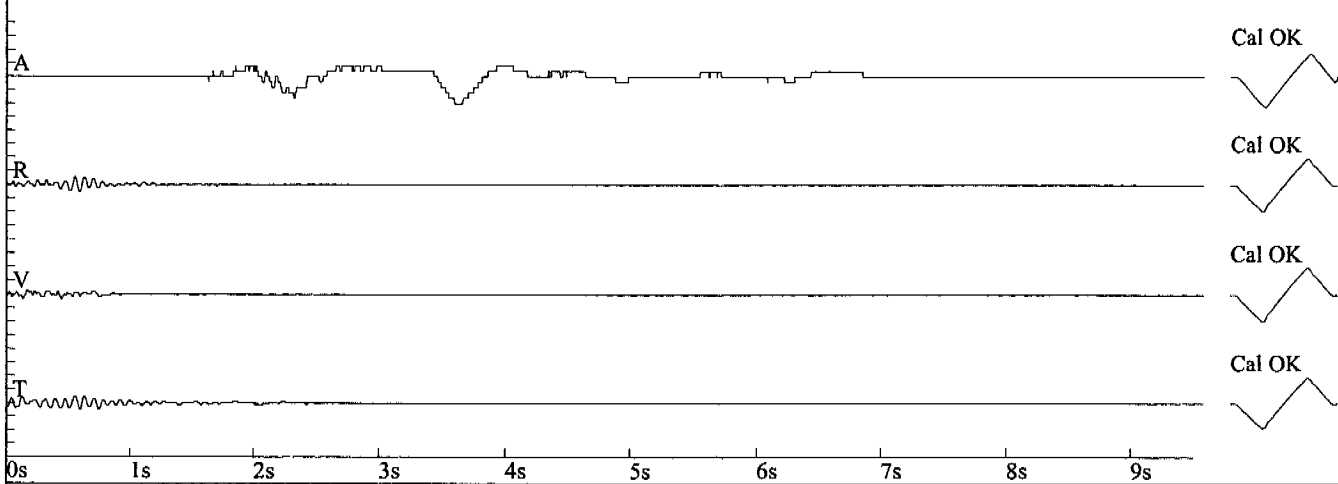
File: D1DAP015.DTB Event Number: 015 Date: 4/9/01 Time: 12:40
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1782

Amplitudes and Frequencies

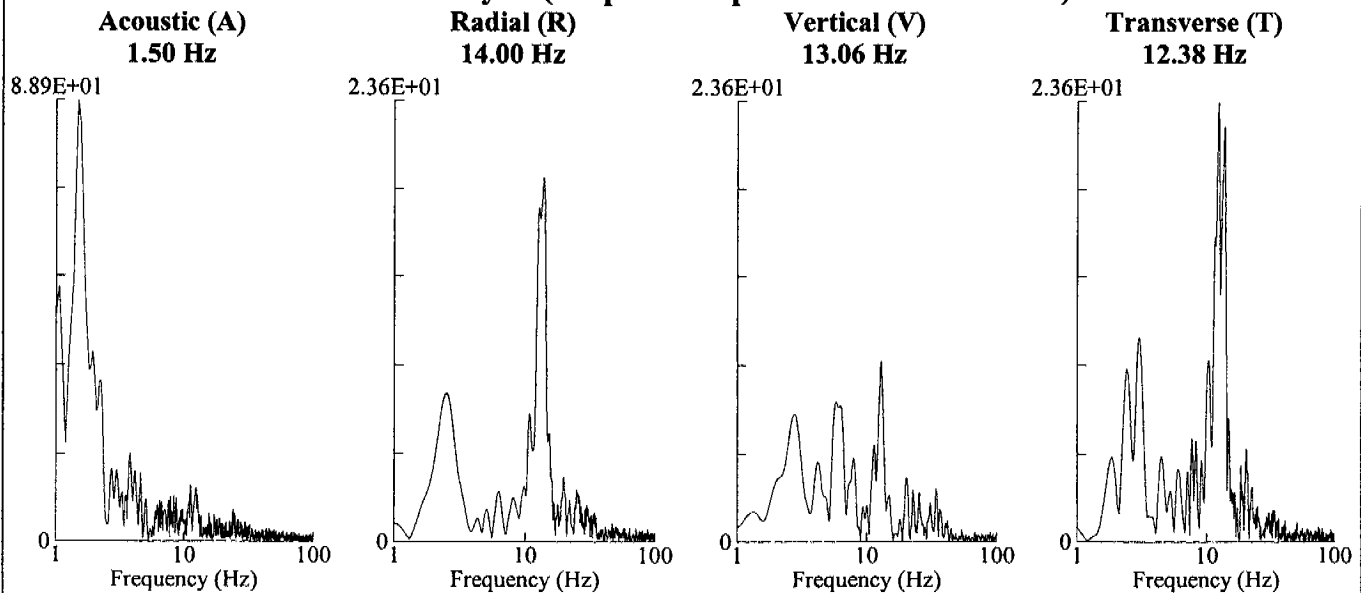
Acoustic (A): 114 dB @ 1.5 Hz
(0.10Mb 0.0015psi 0.0100kPa)
Radial (R): 0.03in/s 0.762mm/s @ 15.5Hz
Vertical (V): 0.01in/s 0.254mm/s @ 0.0Hz
Transverse (T): 0.025in/s 0.635mm/s @ 12.4Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Dear Sr. deep

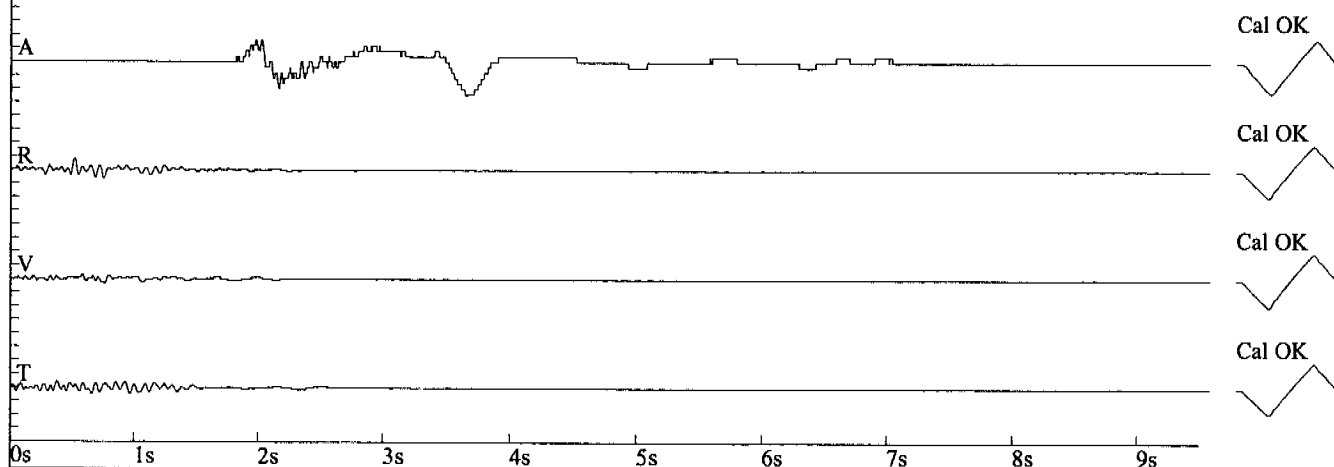
File: D1DAP016.DTB Event Number: 016 Date: 4/10/01 Time: 15:44
 Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1782

Amplitudes and Frequencies

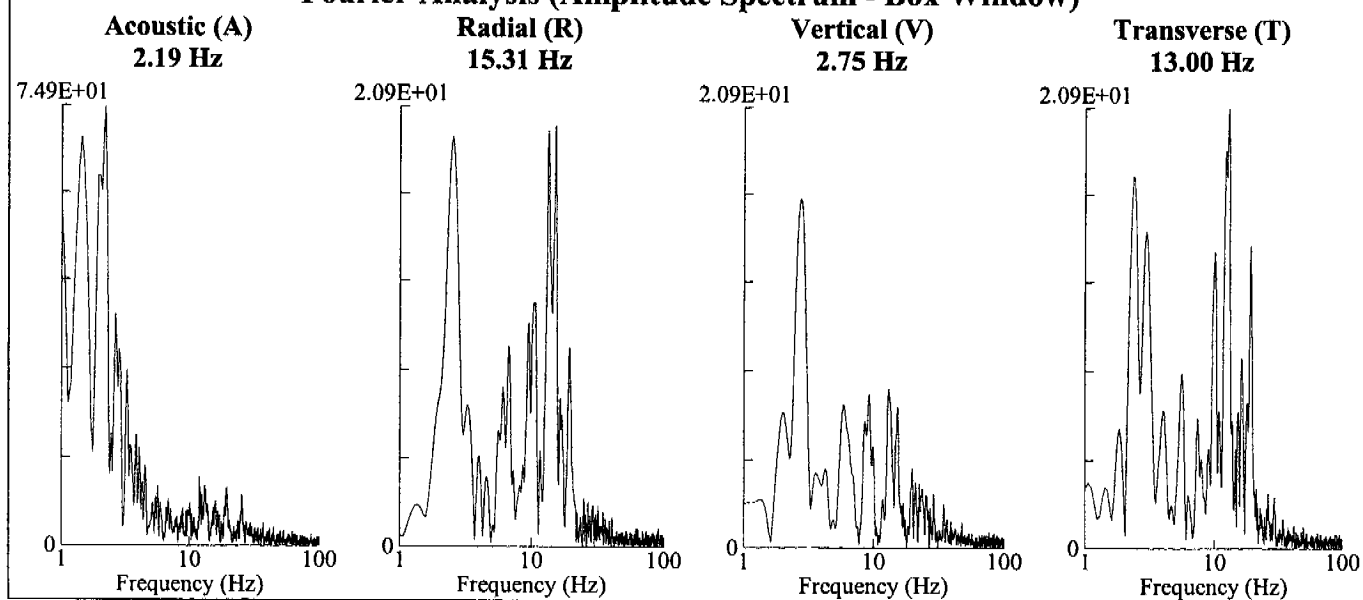
Acoustic (A): 116 dB @ 1.6 Hz
 (0.12Mb 0.0017psi 0.0120kPa)
Radial (R): 0.04in/s 1.016mm/s @ 13.8Hz
Vertical (V): 0.02in/s 0.508mm/s @ 9.3Hz
Transverse (T): 0.025in/s 0.635mm/s @ 12.8Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



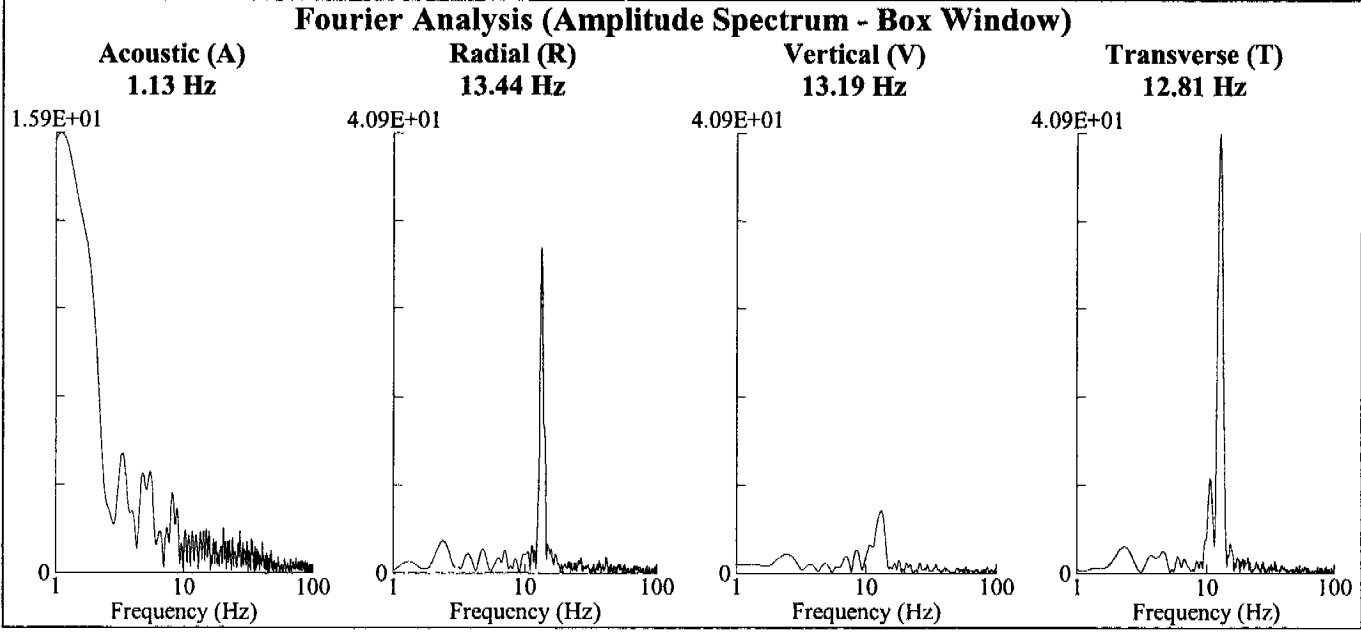
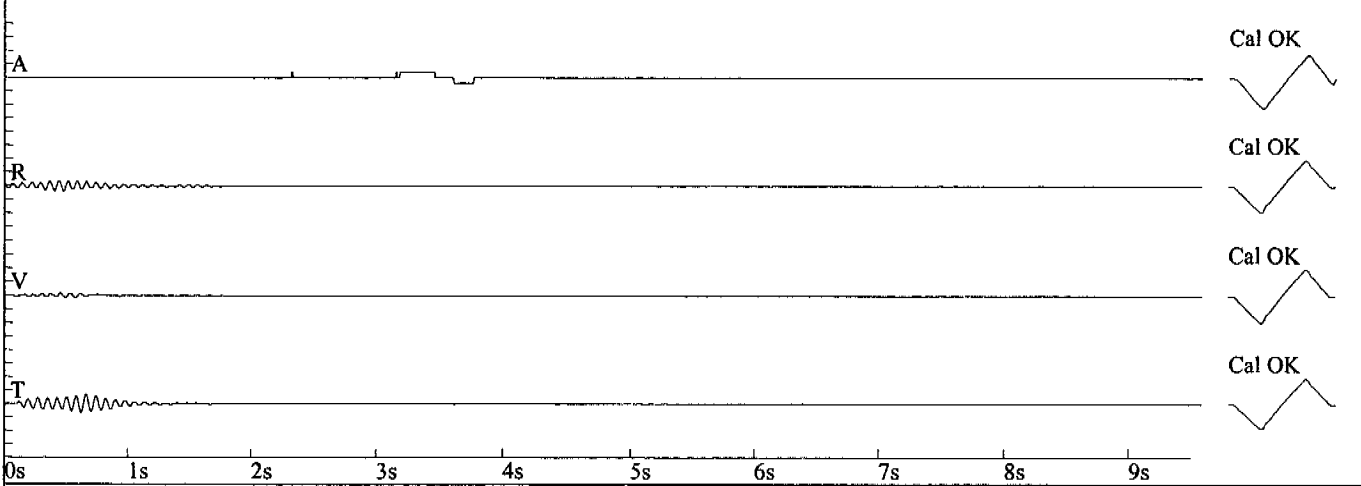
Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dear Sr. deep**

File: D1DAP017.DTB Event Number: 017 Date: 4/10/01 Time: 16:52
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1782

Amplitudes and Frequencies	Graph Information
Acoustic (A): 100 dB @ 0.0 Hz (0.02Mb 0.0003psi 0.0020kPa) Radial (R): 0.02in/s 0.508mm/s @ 17.0Hz Vertical (V): 0.01in/s 0.254mm/s @ 0.0Hz Transverse (T): 0.035in/s 0.889mm/s @ 14.2Hz Calibration Date (yyyy/mm/dd): 2000/11/22	Duration: 0.000 sec To: 9.500 sec Acoustic Scale: 120dB 0.20Mb (0.050Mb/div) Seismic Scale: 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div) Time Lines at: 1.00 sec intervals



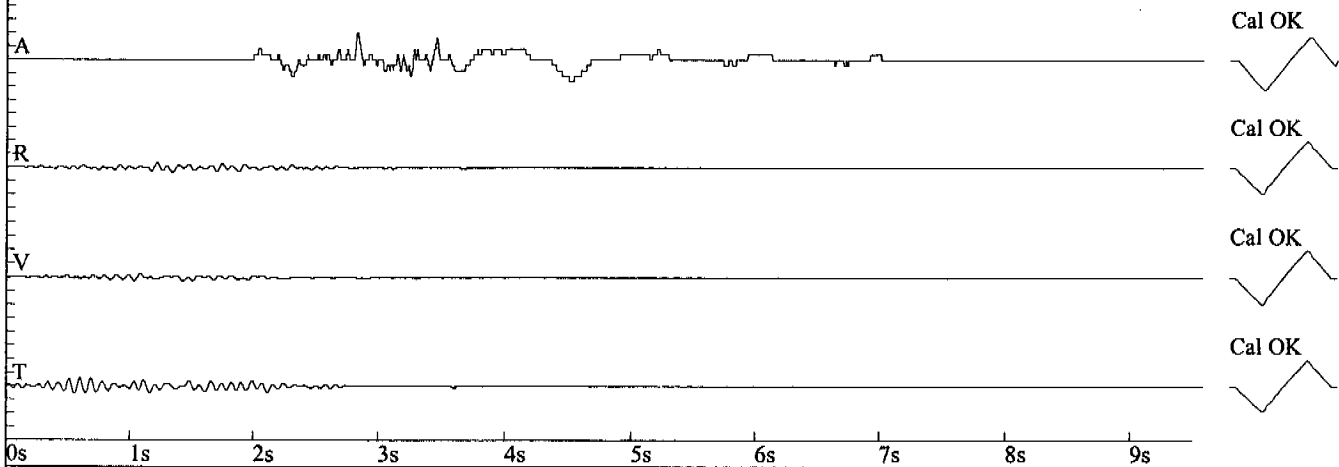
File: D1DAP026.DTB Event Number: 026 Date: 4/12/01 Time: 10:36
 Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1782

Amplitudes and Frequencies

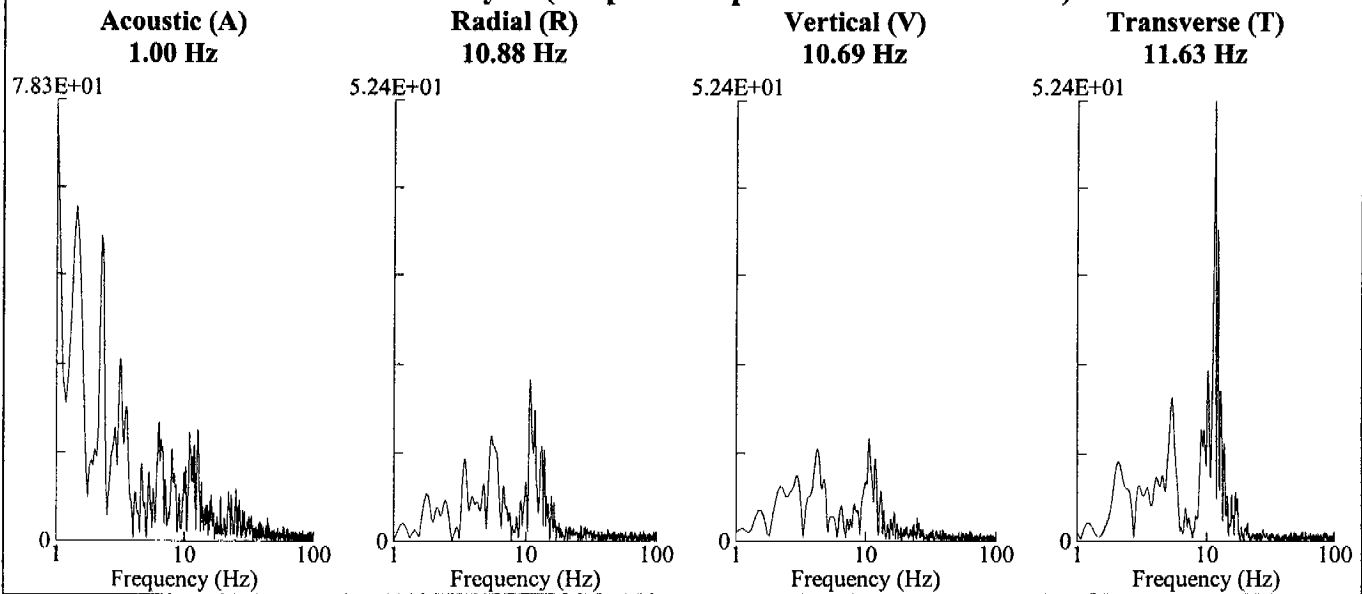
Acoustic (A): 114 dB @ 10.0 Hz
 (0.10Mb 0.0015psi 0.0100kPa)
 Radial (R): 0.02in/s 0.508mm/s @ 13.4Hz
 Vertical (V): 0.015in/s 0.381mm/s @ 12.8Hz
Transverse (T): 0.03in/s 0.762mm/s @ 13.8Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
 Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
 Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
 Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Dear Sr. deep

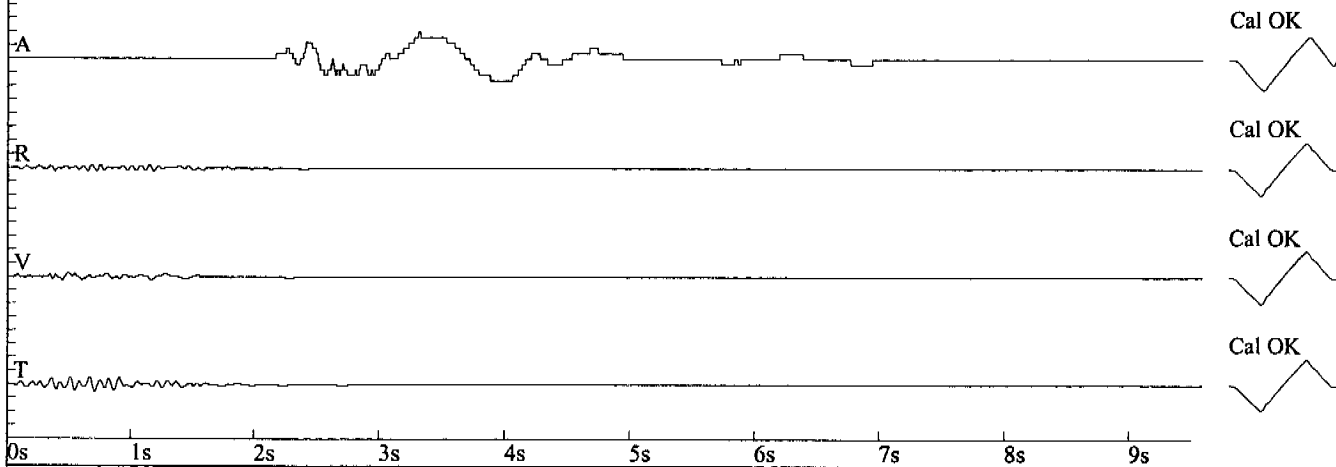
File: D1DAP027.DTB Event Number: 027 Date: 4/12/01 Time: 12:21
 Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1782

Amplitudes and Frequencies

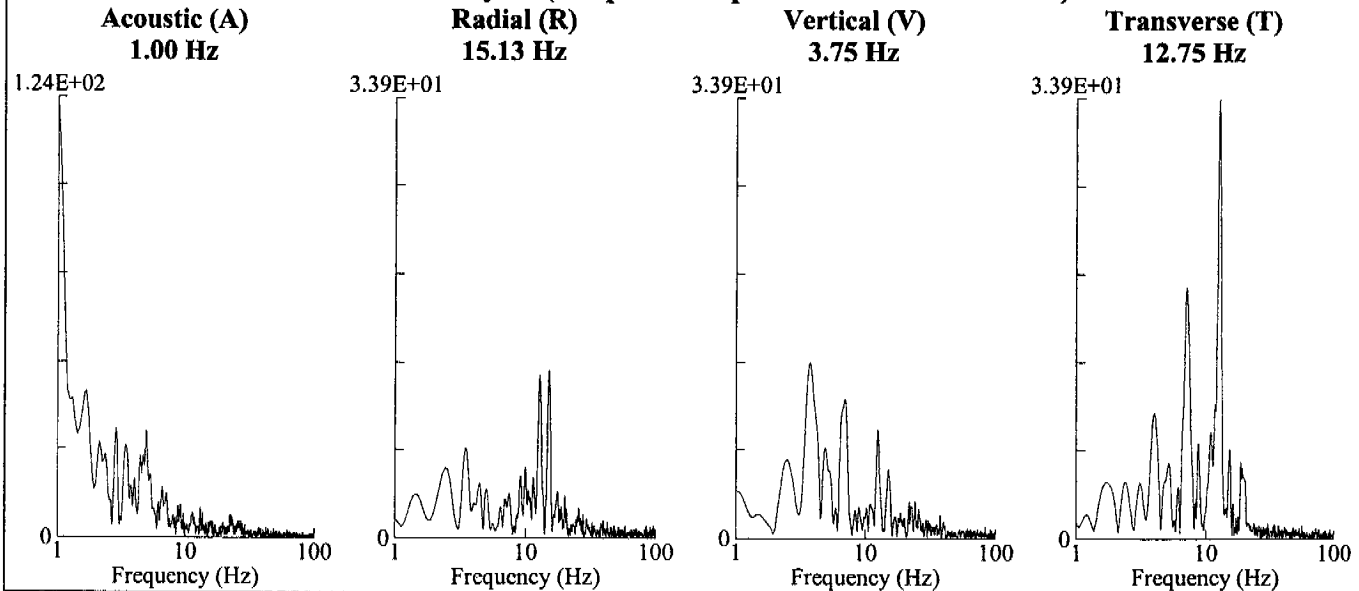
Acoustic (A): 114 dB @ 1.3 Hz
 (0.10Mb 0.0015psi 0.0100kPa)
Radial (R): 0.015in/s 0.381mm/s @ 20.4Hz
Vertical (V): 0.015in/s 0.381mm/s @ 8.6Hz
Transverse (T): 0.03in/s 0.762mm/s @ 12.4Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dear Sr. deep**

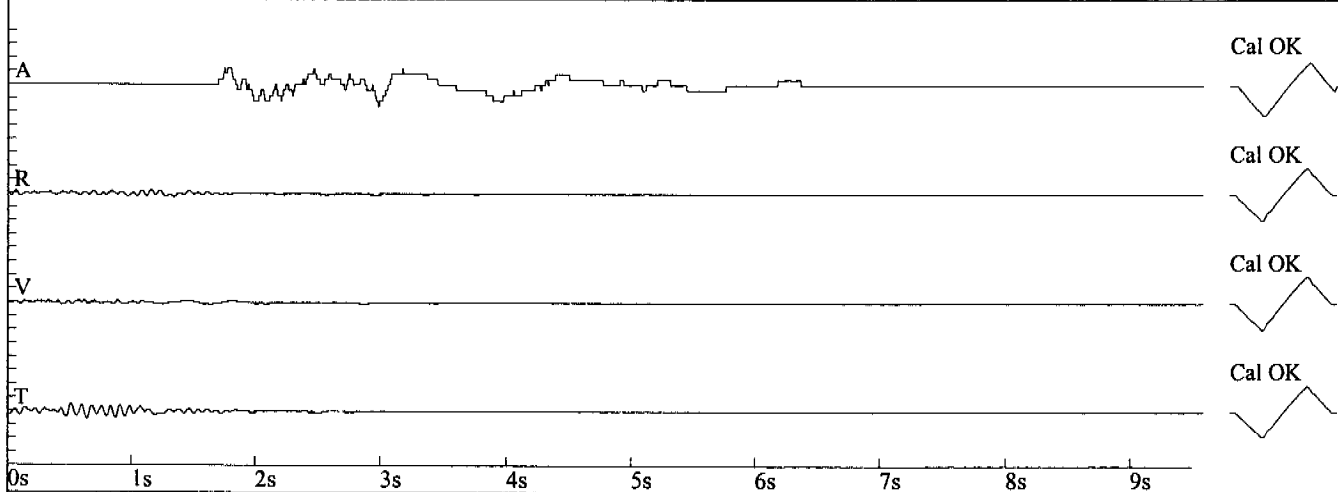
File: D1DAP028.DTB Event Number: 028 Date: 4/13/01 Time: 10:29
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1782

Amplitudes and Frequencies

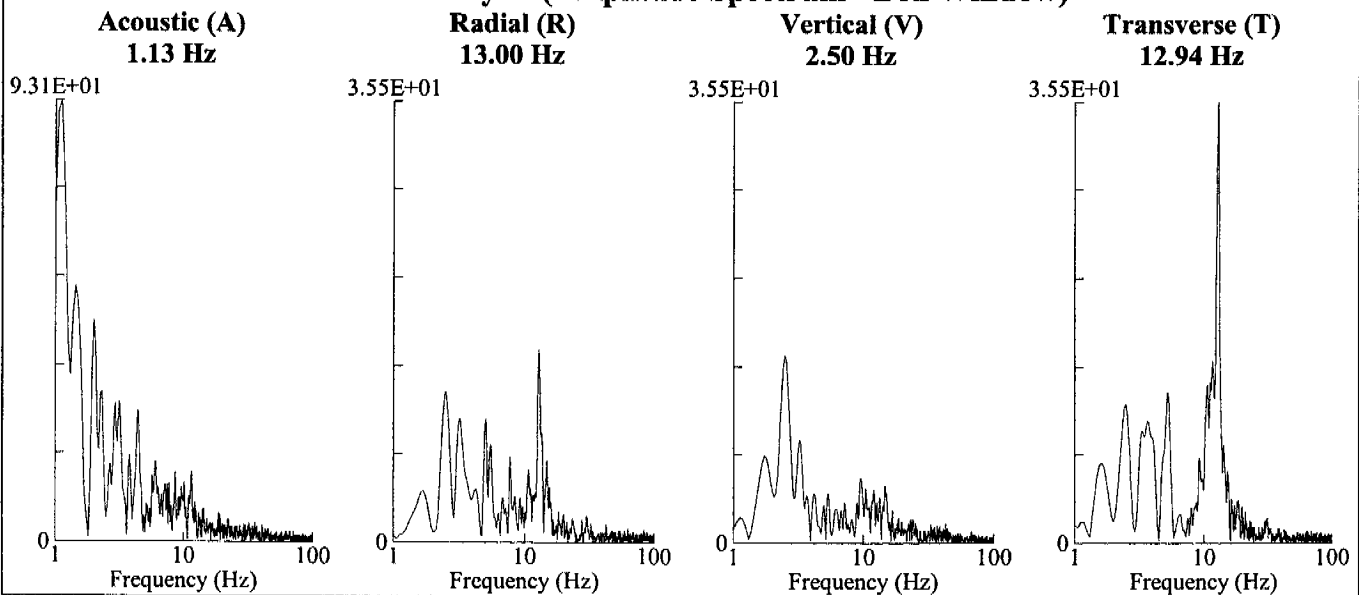
Acoustic (A): 112 dB @ 5.0 Hz
(0.08Mb 0.0012psi 0.0080kPa)
Radial (R): 0.015in/s 0.381mm/s @ 17.6Hz
Vertical (V): 0.01in/s 0.254mm/s @ 0.0Hz
Transverse (T): 0.03in/s 0.762mm/s @ 12.1Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Dean Jr. surface

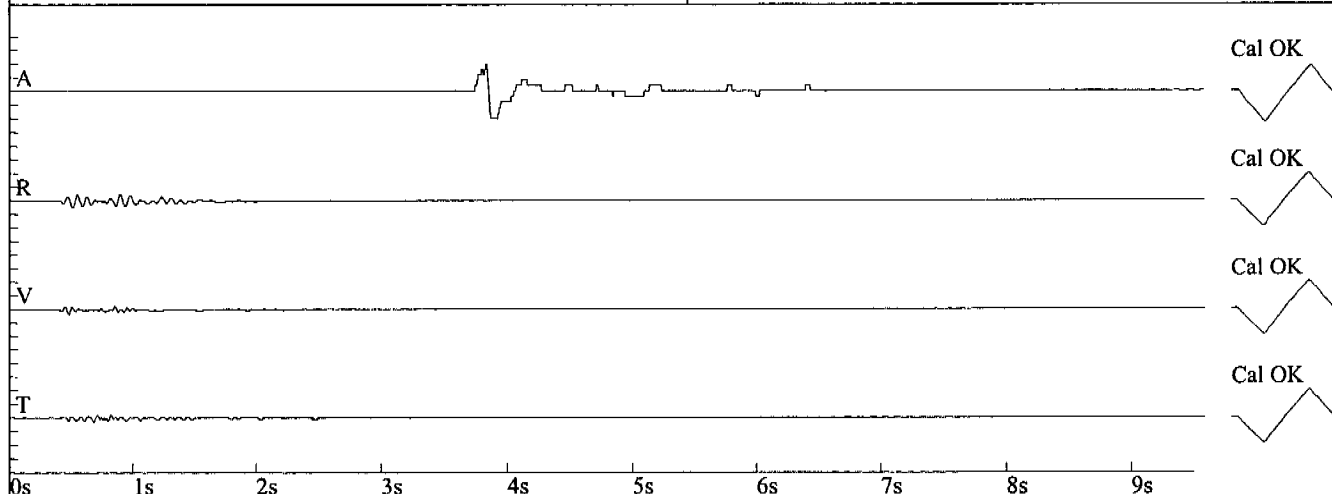
File: D2SAP005.DTB Event Number: 005 Date: 4/3/01 Time: 08:38
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies

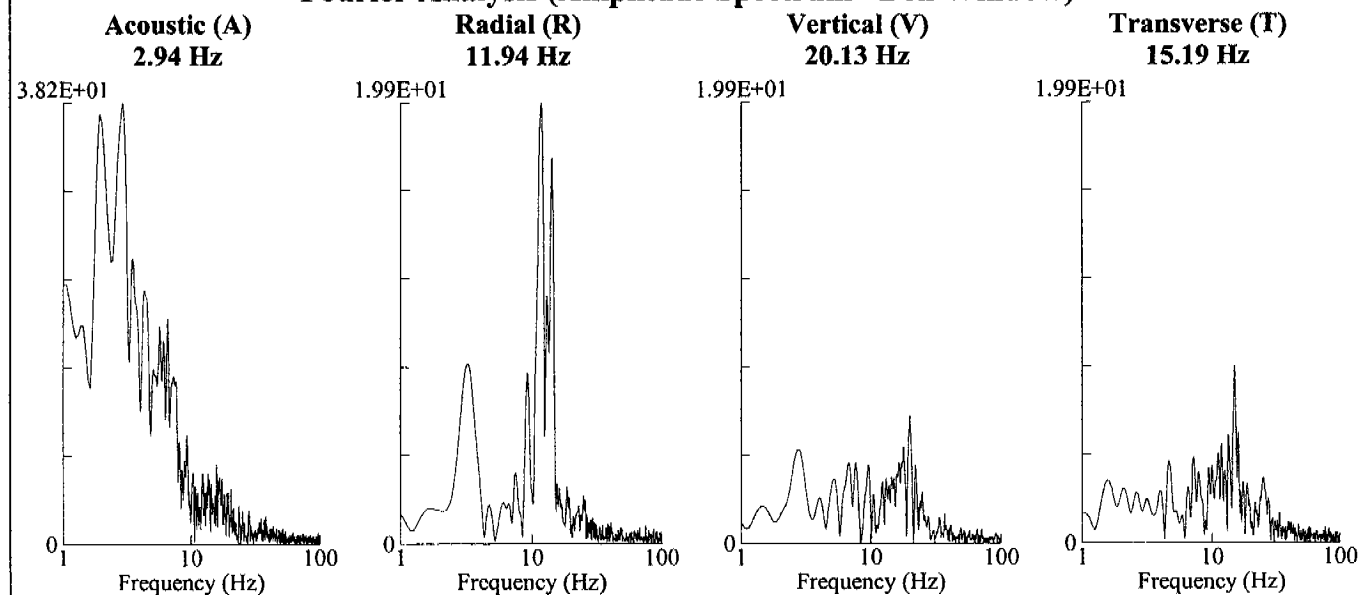
Acoustic (A): 114 dB @ 5.4 Hz
(0.10Mb 0.0015psi 0.0100kPa)
***Radial (R):* 0.025in/s 0.635mm/s @ 15.5Hz**
Vertical (V): 0.01in/s 0.254mm/s @ 0.0Hz
Transverse (T): 0.015in/s 0.381mm/s @ 20.4Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Jr. surface**

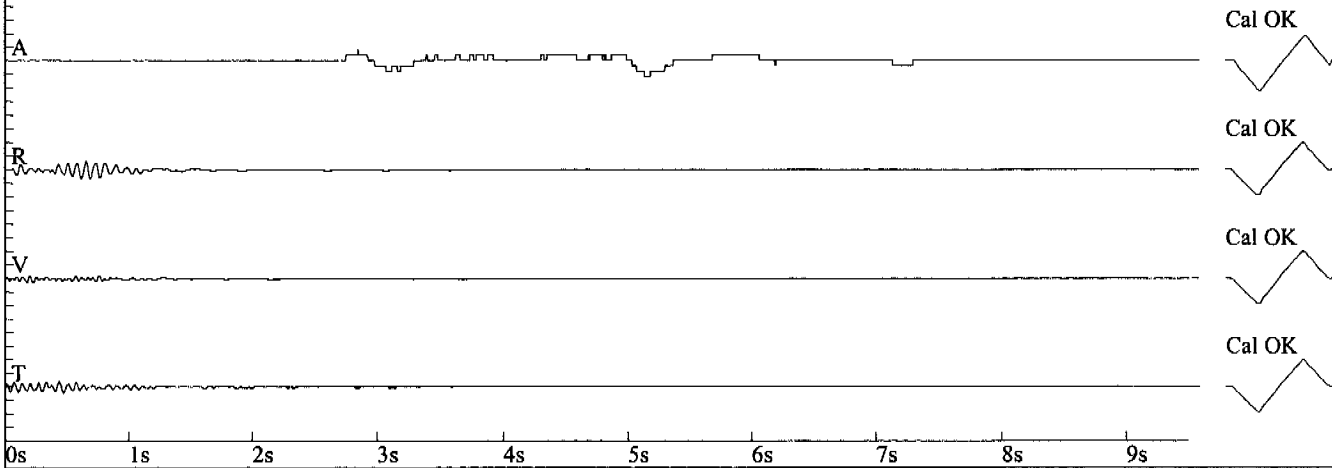
File: D2SAP007.DTB Event Number: 007 Date: 4/3/01 Time: 13:48
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies

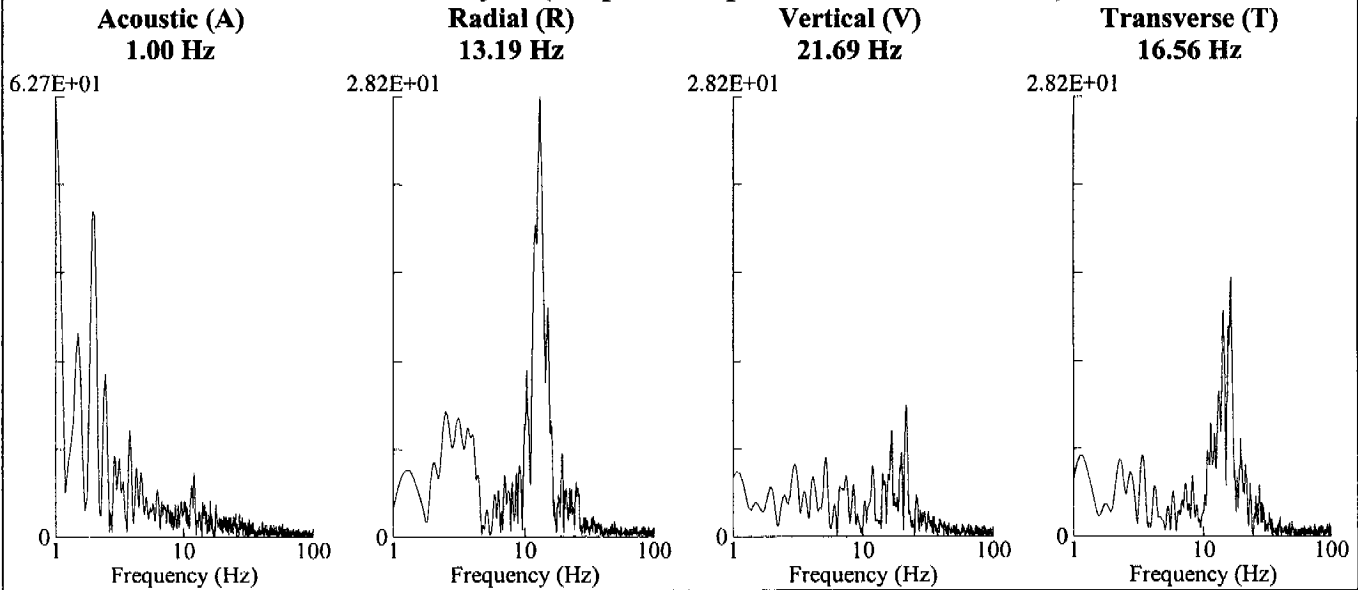
Acoustic (A): 110 dB @ 1.6 Hz
(0.06Mb 0.0009psi 0.0060kPa)
Radial (R): 0.035in/s 0.889mm/s @ 14.2Hz
Vertical (V): 0.01in/s 0.254mm/s @ 0.0Hz
Transverse (T): 0.015in/s 0.381mm/s @ 22.2Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Jr. surface**

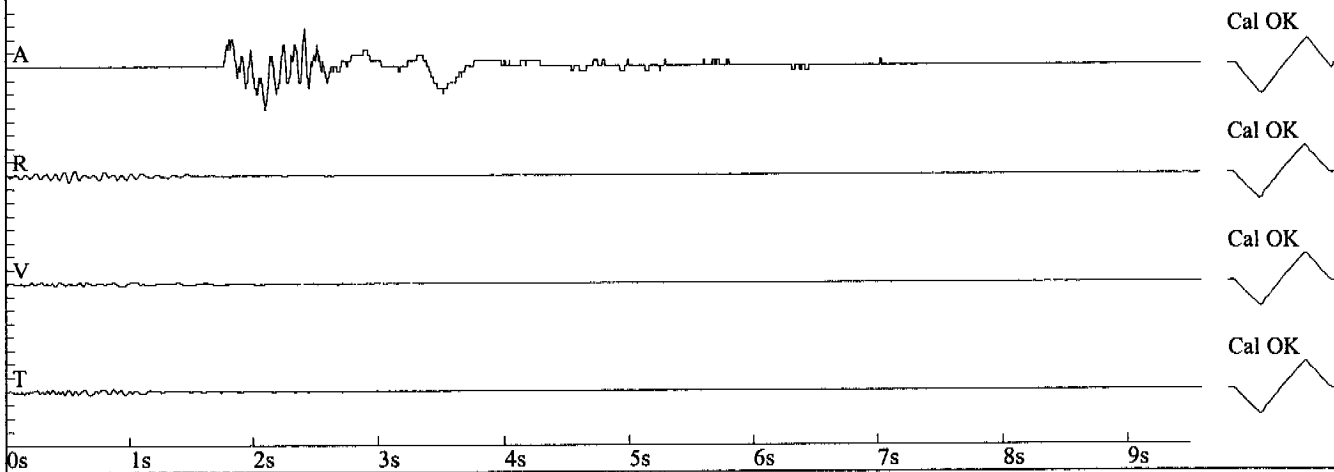
File: D2SAP008.DTB Event Number: 008 Date: 4/3/01 Time: 17:03
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies

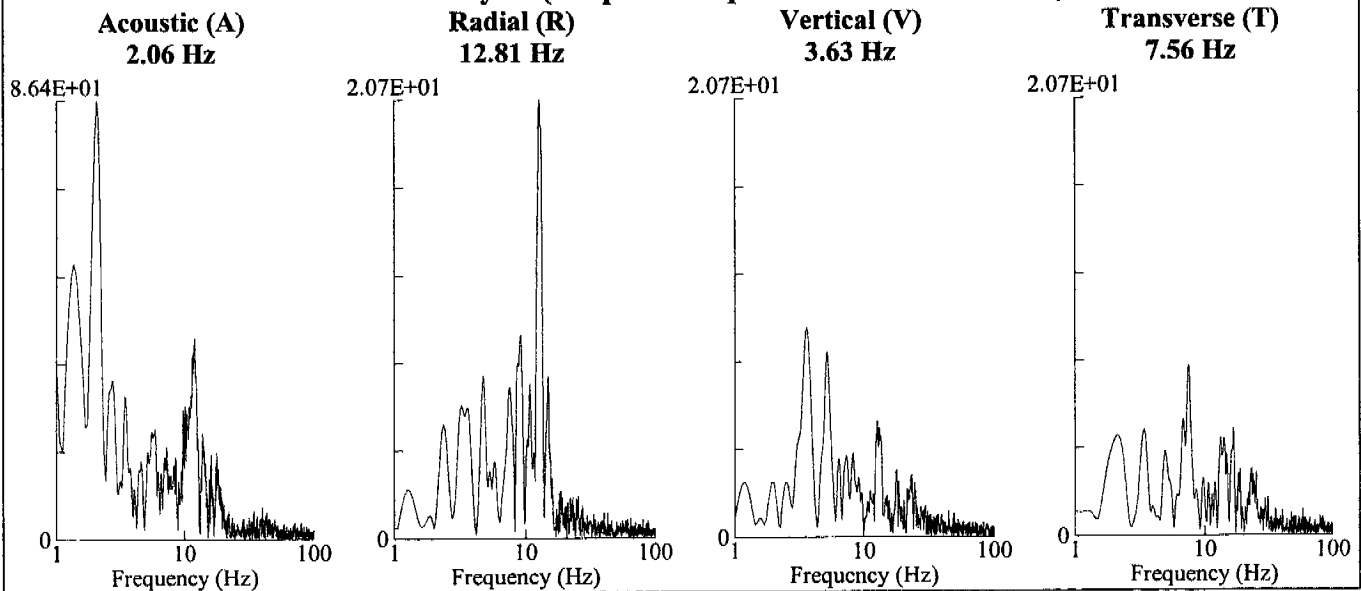
Acoustic (A): 118 dB @ 3.8 Hz
(0.16Mb 0.0023psi 0.0160kPa)
Radial (R): 0.025in/s 0.635mm/s @ 13.1Hz
Vertical (V): 0.01in/s 0.254mm/s @ 0.0Hz
Transverse (T): 0.015in/s 0.381mm/s @ 8.8Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Jr. surface**

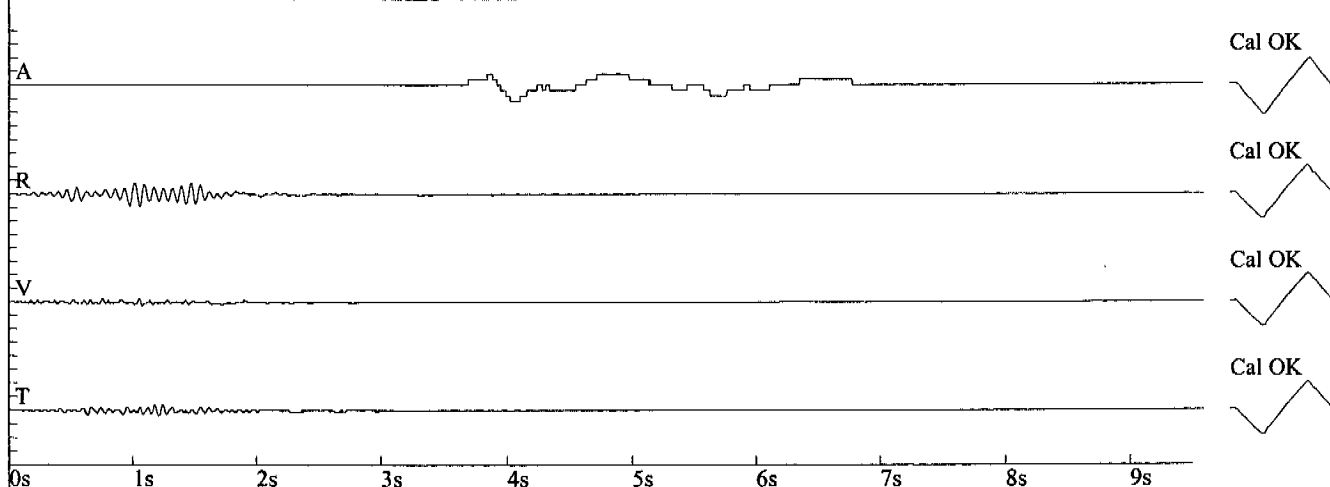
File: D2SAP010.DTB Event Number: 010 Date: 4/4/01 Time: 11:18
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies

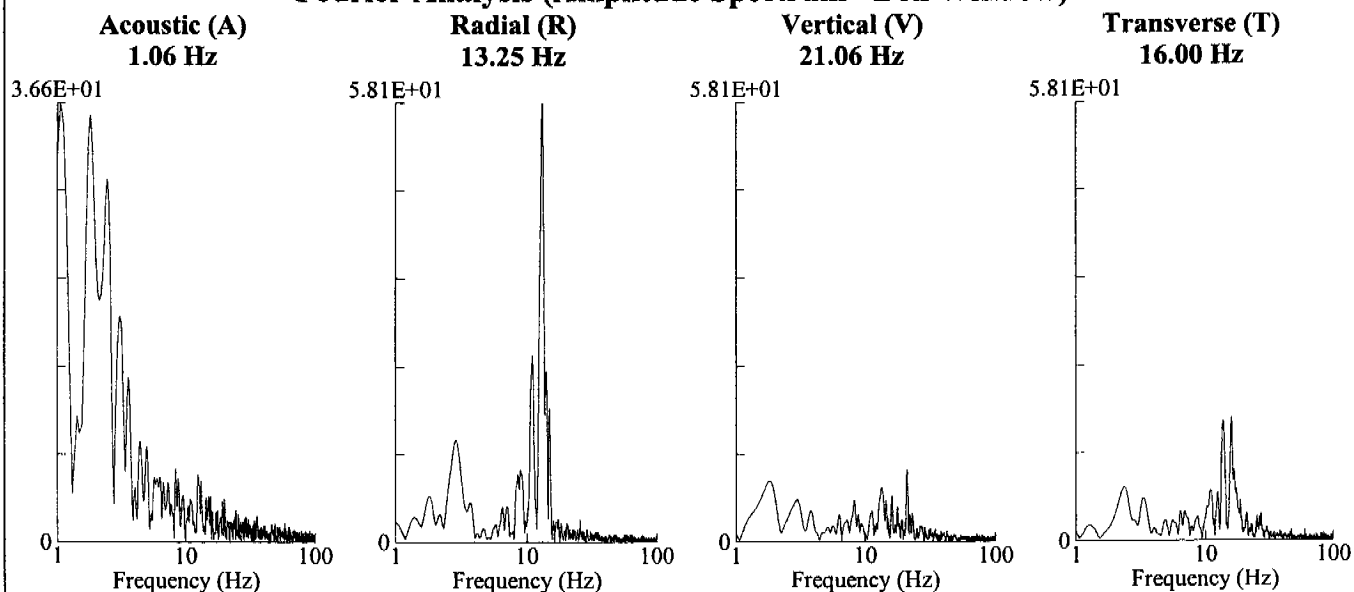
Acoustic (A): 110 dB @ 2.0 Hz
(0.06Mb 0.0009psi 0.0060kPa)
Radial (R): 0.045in/s 1.143mm/s @ 11.9Hz
Vertical (V): 0.015in/s 0.381mm/s @ 10.0Hz
Transverse (T): 0.02in/s 0.508mm/s @ 21.3Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Dean Jr. surface

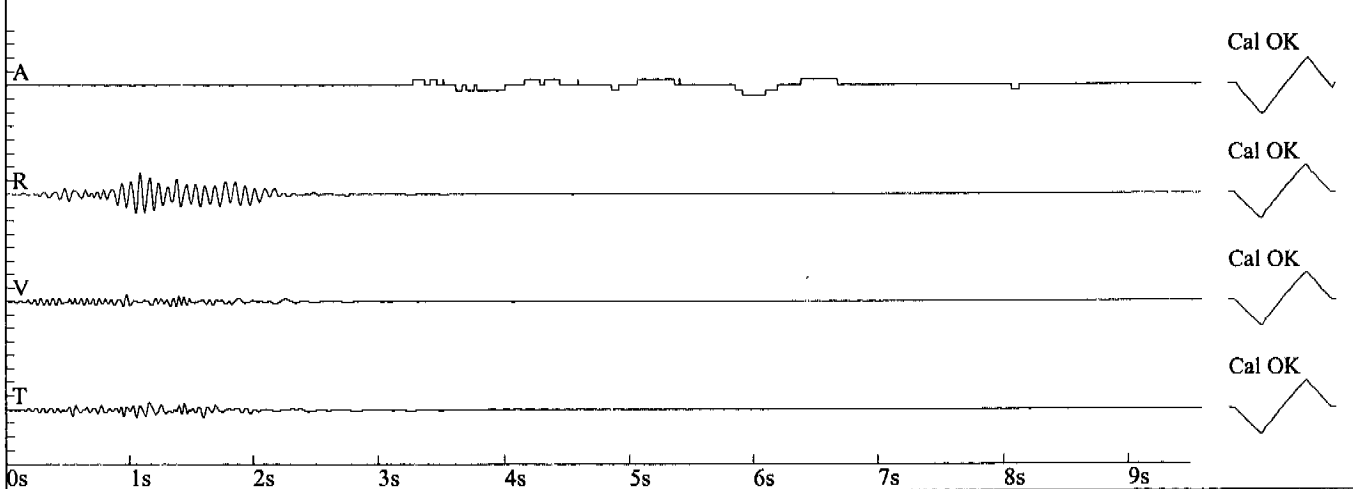
File: D2SAP011.DTB Event Number: 011 Date: 4/5/01 Time: 10:31
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies

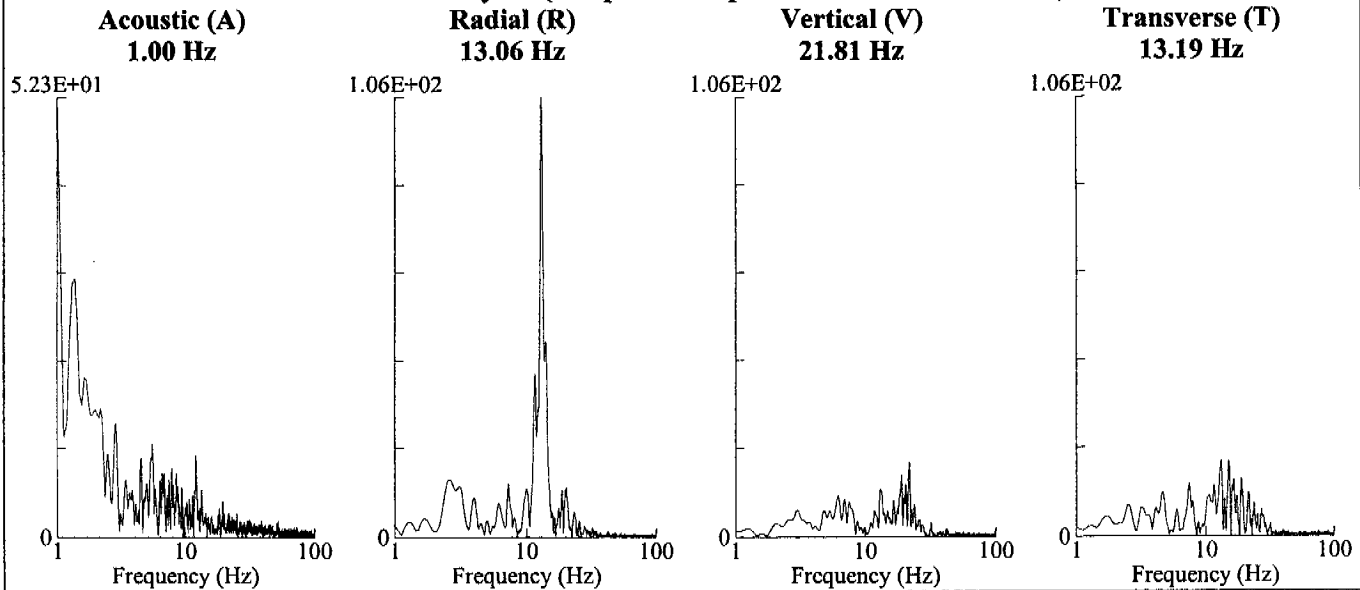
Acoustic (A): 106 dB @ 0.0 Hz
(0.04Mb 0.0006psi 0.0040kPa)
Radial (R): 0.08in/s 2.032mm/s @ 14.2Hz
Vertical (V): 0.025in/s 0.635mm/s @ 18.2Hz
Transverse (T): 0.03in/s 0.762mm/s @ 17.6Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Jr. surface**

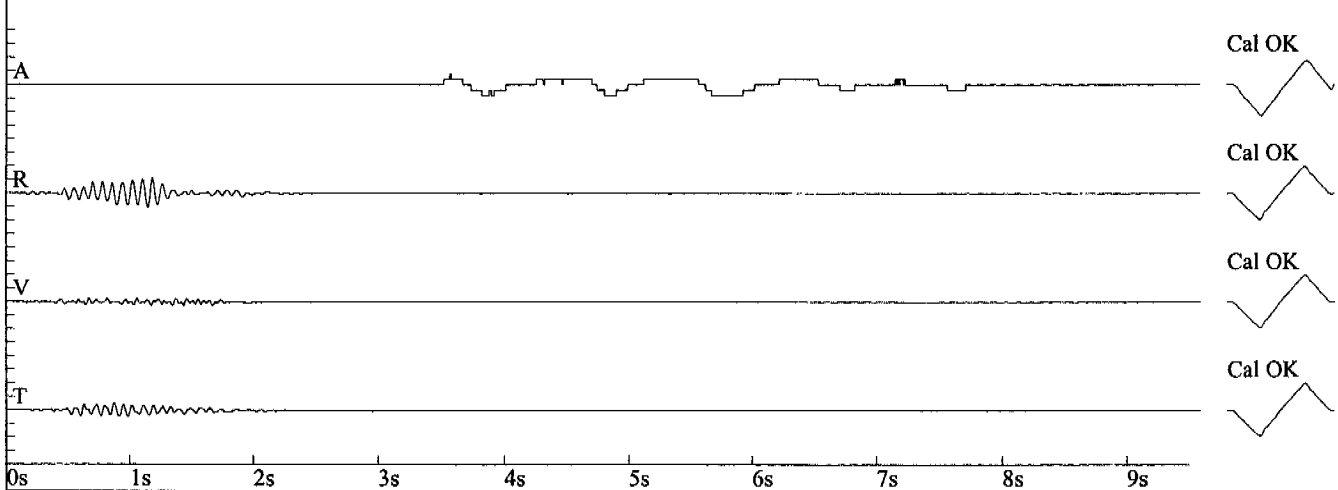
File: D2SAP012.DTB Event Number: 012 Date: 4/6/01 Time: 10:19
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies

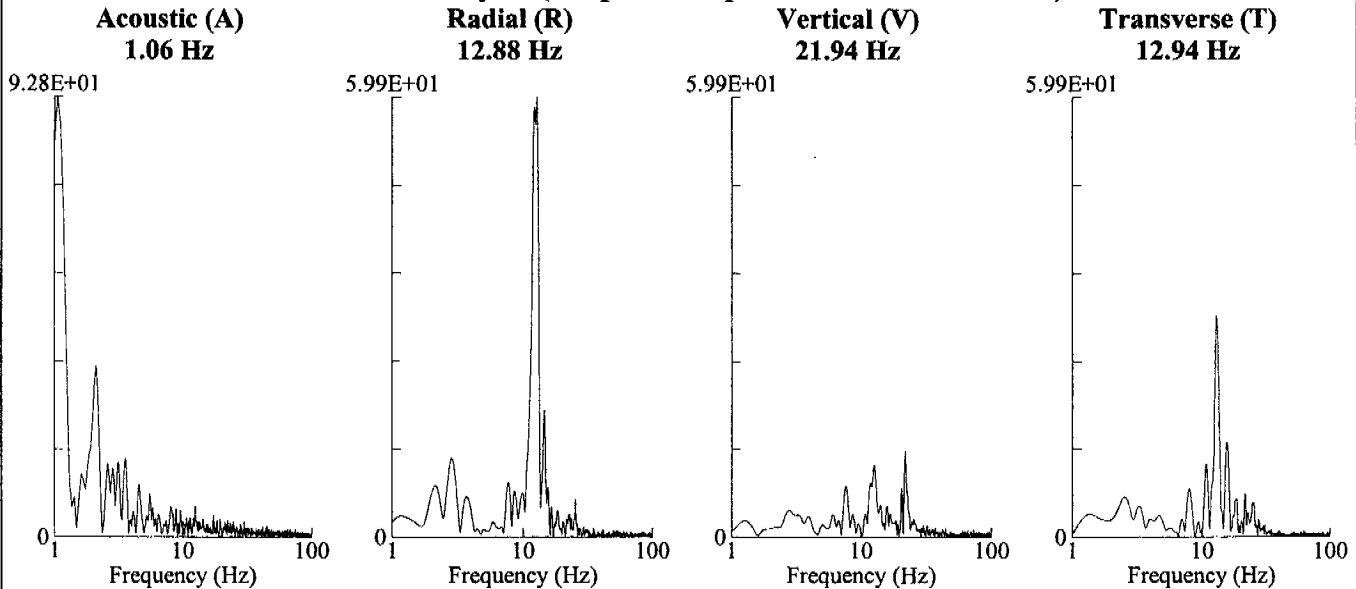
Acoustic (A): 106 dB @ 0.0 Hz
(0.04Mb 0.0006psi 0.0040kPa)
Radial (R): 0.055in/s 1.397mm/s @ 13.8Hz
Vertical (V): 0.015in/s 0.381mm/s @ 24.3Hz
Transverse (T): 0.025in/s 0.635mm/s @ 15.0Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Jr. surface**

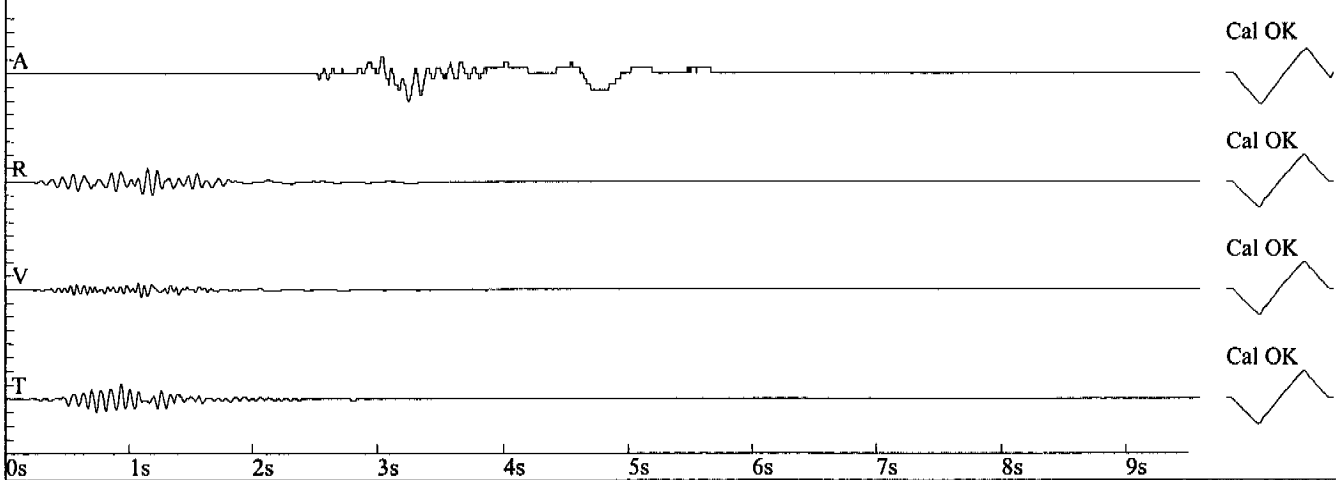
File: D2SAP013.DTB Event Number: 013 Date: 4/6/01 Time: 15:40
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies

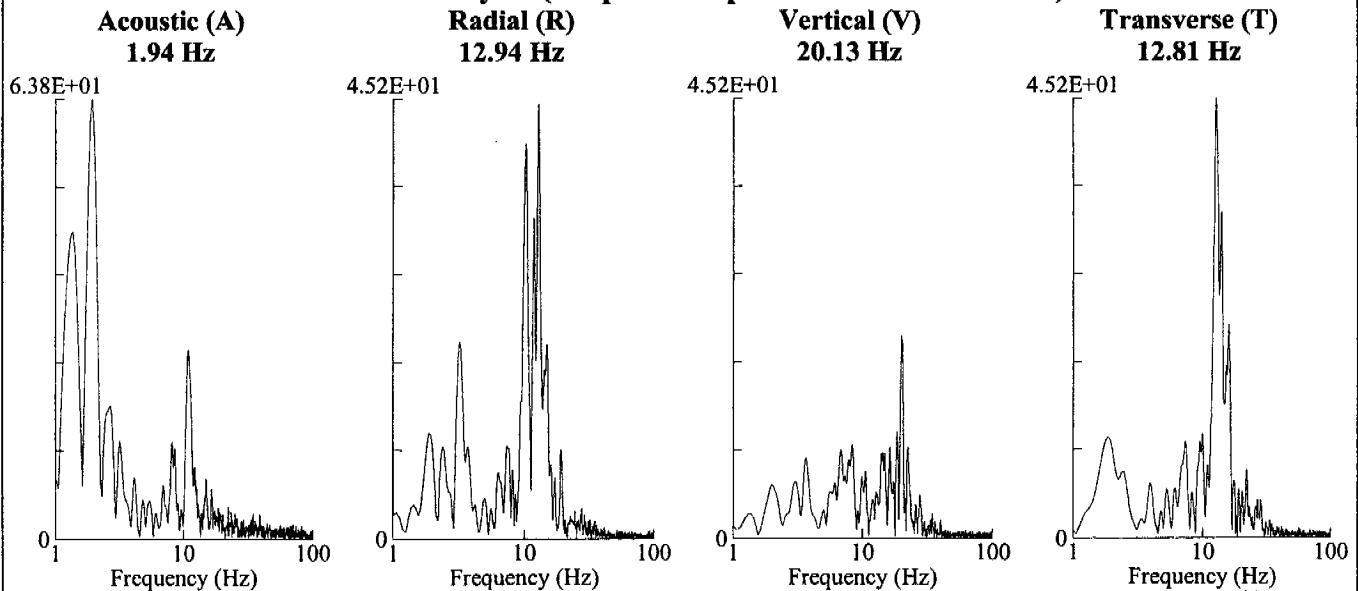
Acoustic (A): 114 dB @ 6.4 Hz
(0.10Mb 0.0015psi 0.0100kPa)
Radial (R): 0.05in/s 1.27mm/s @ 13.4Hz
Vertical (V): 0.03in/s 0.762mm/s @ 19.6Hz
Transverse (T): **0.055in/s 1.397mm/s @ 14.6Hz**
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Dean Jr. surface

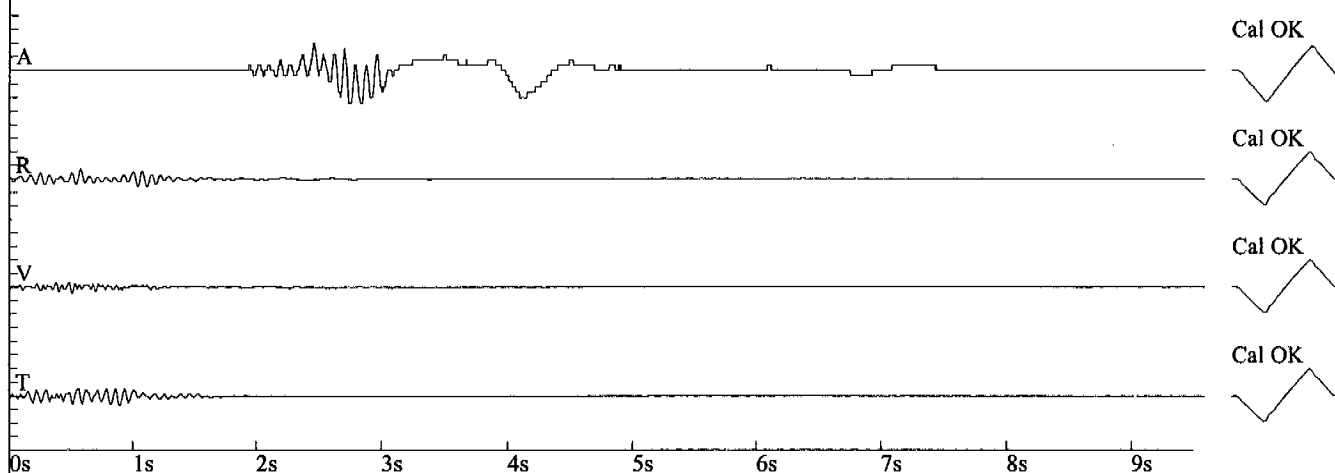
File: D2SAP016.DTB Event Number: 016 Date: 4/9/01 Time: 12:39
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies

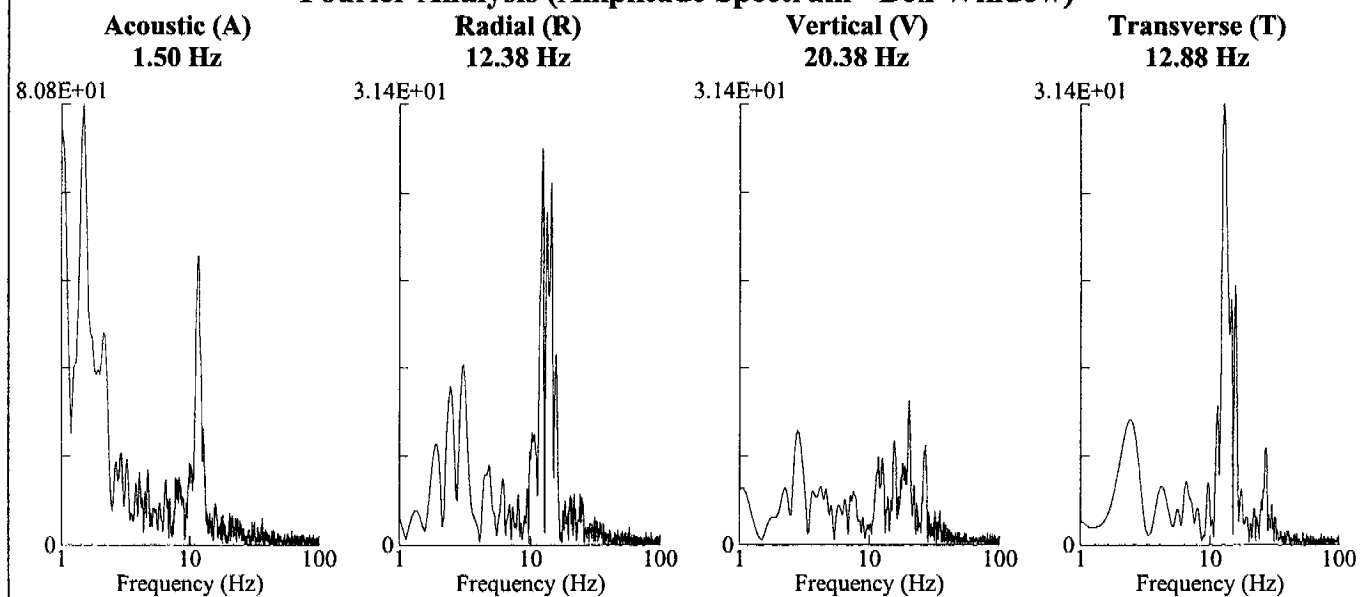
Acoustic (A): 116 dB @ 9.3 Hz
(0.12Mb 0.0017psi 0.0120kPa)
Radial (R): 0.035in/s 0.889mm/s @ 14.6Hz
Vertical (V): 0.025in/s 0.635mm/s @ 19.6Hz
Transverse (T): 0.035in/s 0.889mm/s @ 13.1Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Jr. surface**

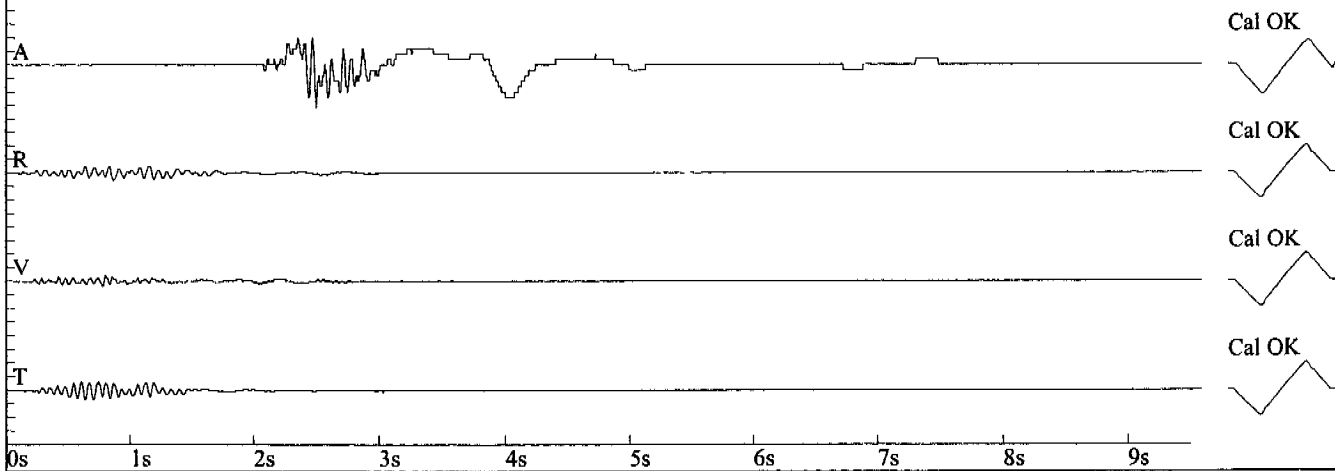
File: D2SAP018.DTB Event Number: 018 Date: 4/10/01 Time: 15:42
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies

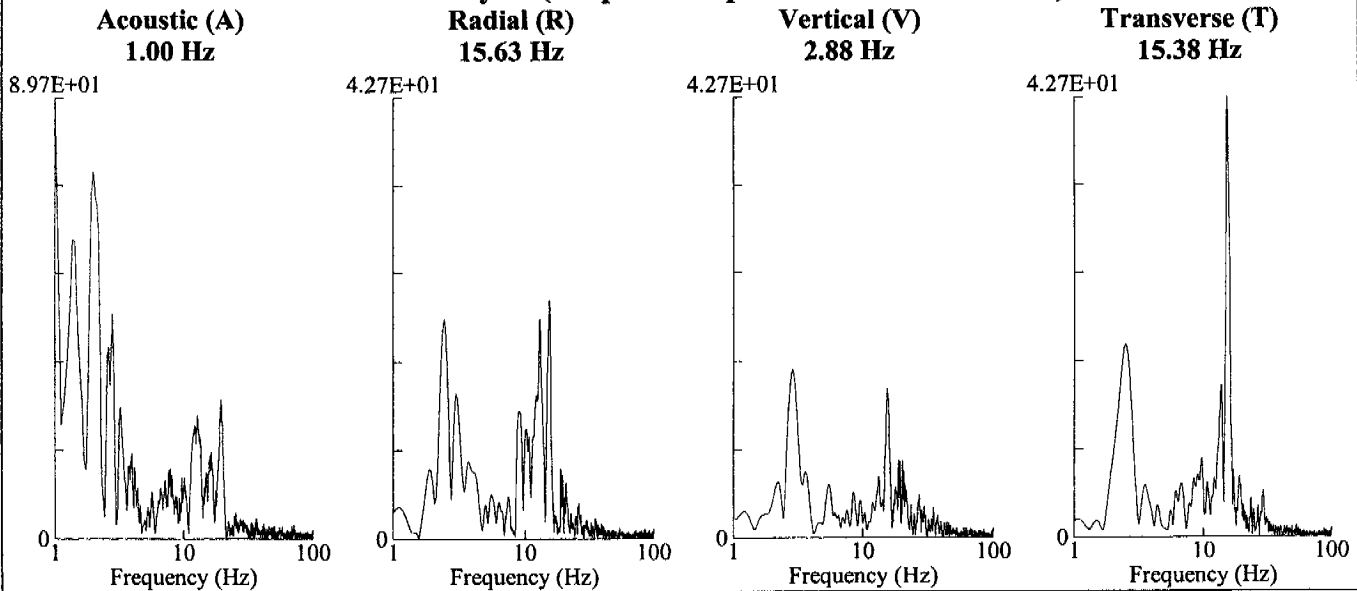
Acoustic (A): 118 dB @ 6.4 Hz
(0.16Mb 0.0023psi 0.0160kPa)
Radial (R): 0.03in/s 0.762mm/s @ 10.8Hz
Vertical (V): 0.02in/s 0.508mm/s @ 17.0Hz
Transverse (T): 0.035in/s 0.889mm/s @ 18.2Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Jr. surface**

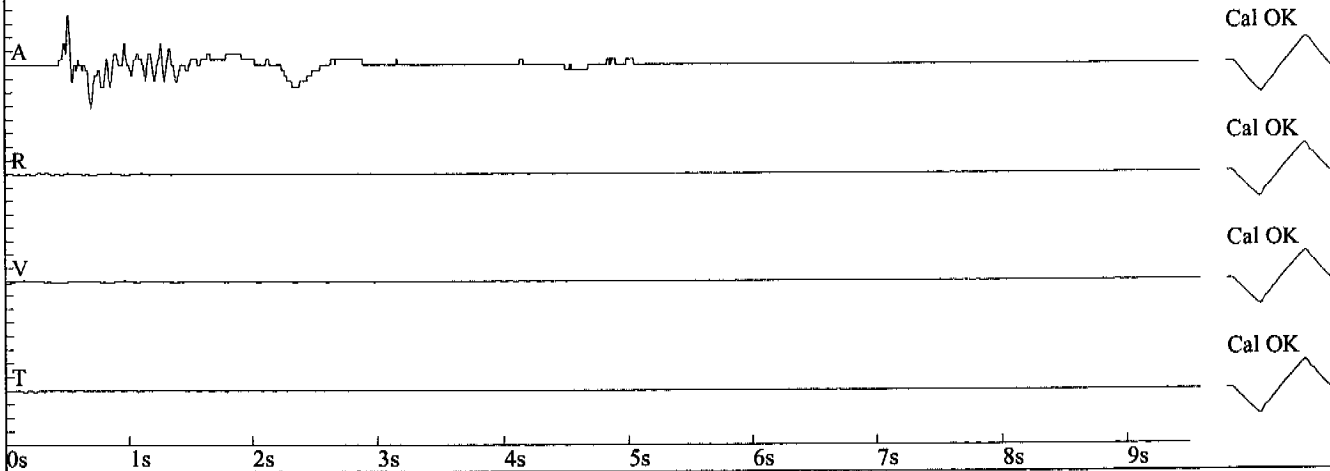
File: D2SAP024.DTB Event Number: 024 Date: 4/11/01 Time: 09:54
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies

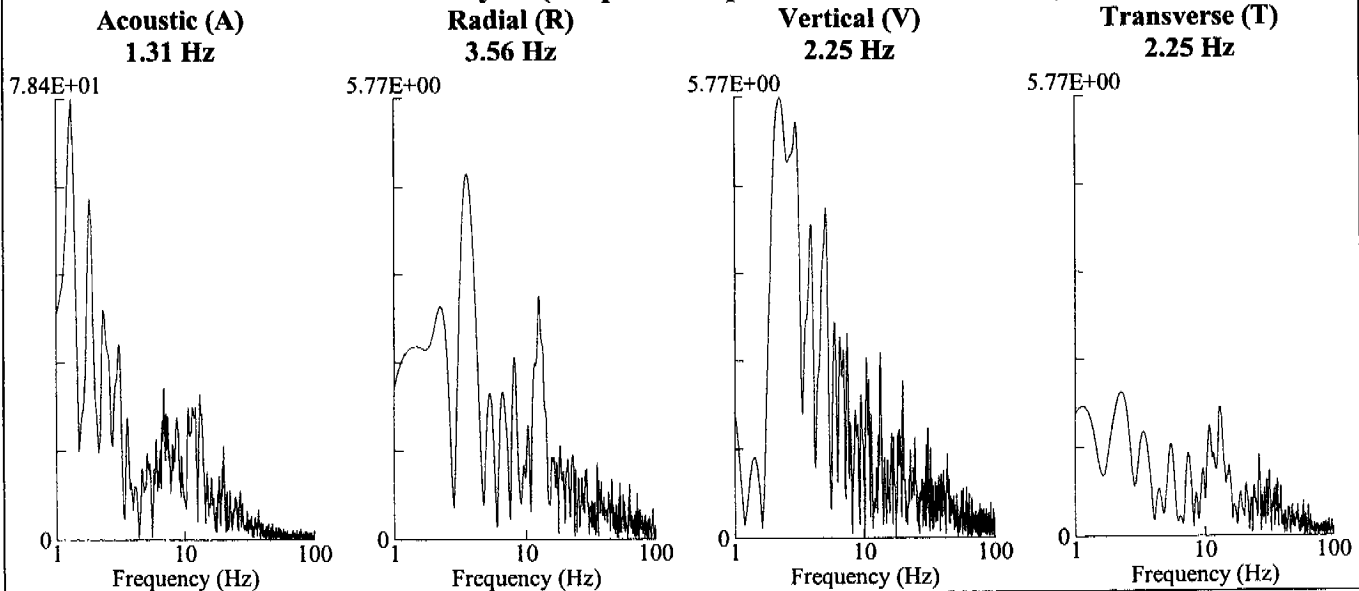
Acoustic (A): 119 dB @ 7.4 Hz
(0.18Mb 0.0026psi 0.0180kPa)
Radial (R): 0.005in/s 0.127mm/s @ 0.0Hz
Vertical (V): 0.005in/s 0.127mm/s @ 0.0Hz
Transverse (T): 0.005in/s 0.127mm/s @ 0.0Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Jr. surface**

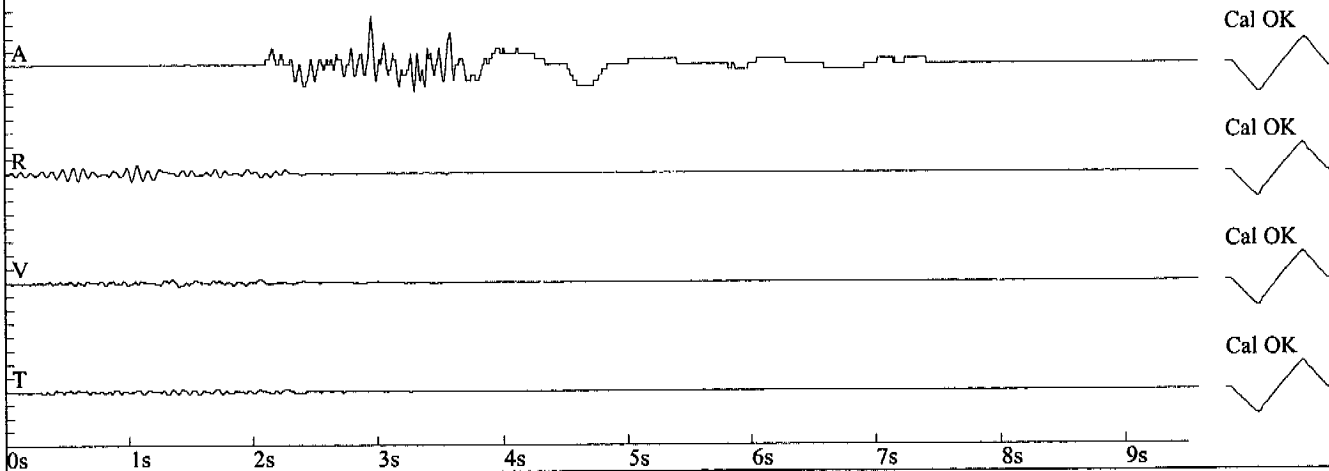
File: D2SAP025.DTB Event Number: 025 Date: 4/12/01 Time: 10:35
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies

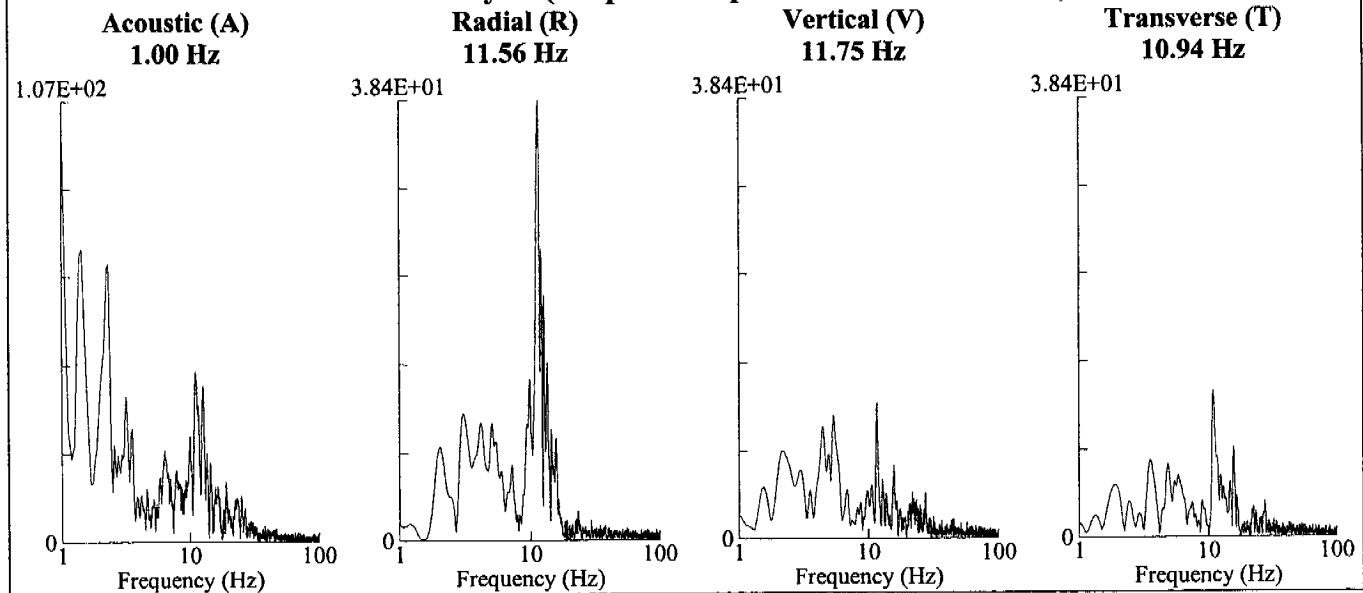
Acoustic (A): 119 dB @ 10.6 Hz
(0.18Mb 0.0026psi 0.0180kPa)
***Radial (R):* 0.03in/s 0.762mm/s @ 12.8Hz**
Vertical (V): 0.015in/s 0.381mm/s @ 7.1Hz
Transverse (T): 0.01in/s 0.254mm/s @ 0.0Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)

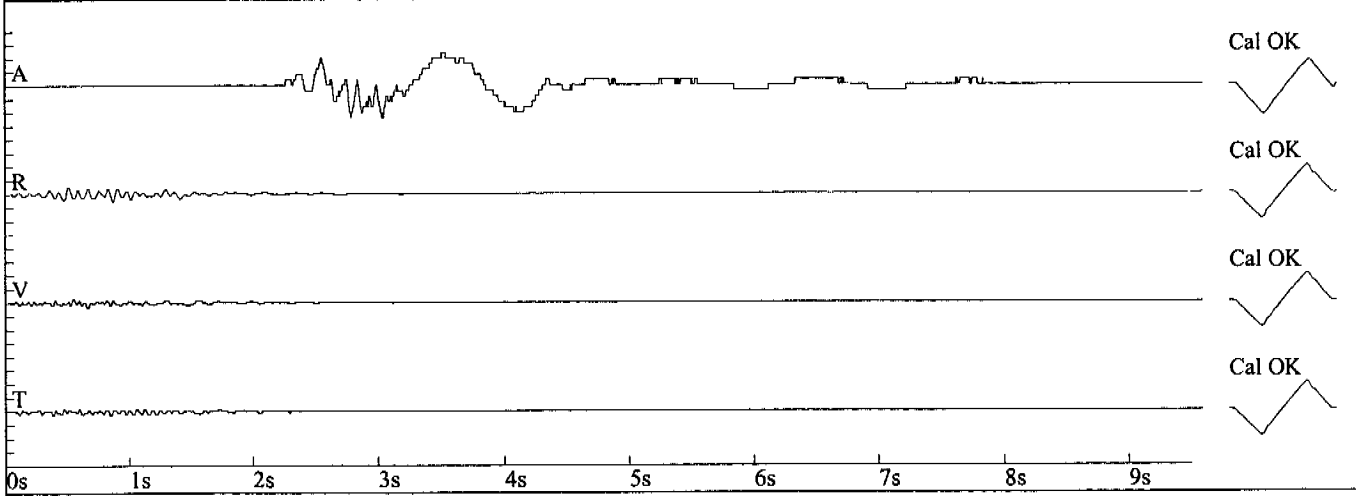


**West Virginia
Dean Jr. surface**

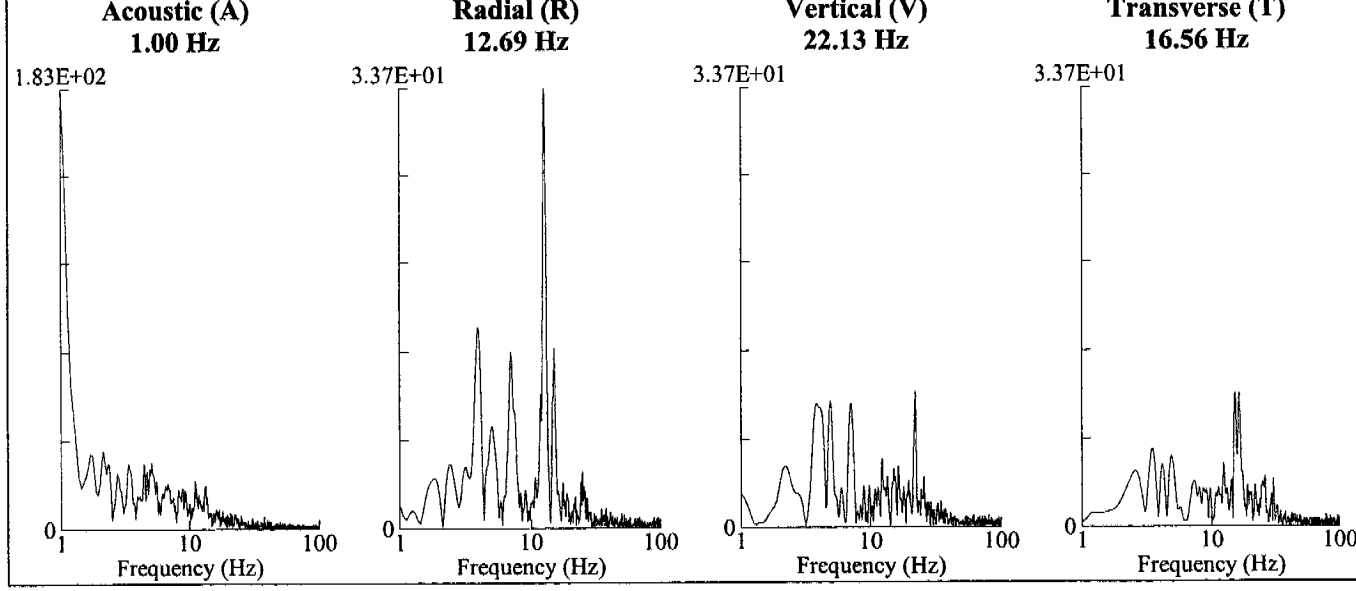
File: D2SAP026.DTB Event Number: 026 Date: 4/12/01 Time: 12:20
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies
Acoustic (A): 116 dB @ 1.1 Hz
 (0.12Mb 0.0017psi 0.0120kPa)
Radial (R): 0.03in/s 0.762mm/s @ 14.2Hz
Vertical (V): 0.02in/s 0.508mm/s @ 16.5Hz
Transverse (T): 0.015in/s 0.381mm/s @ 21.3Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information
 Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
 Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Jr. surface**

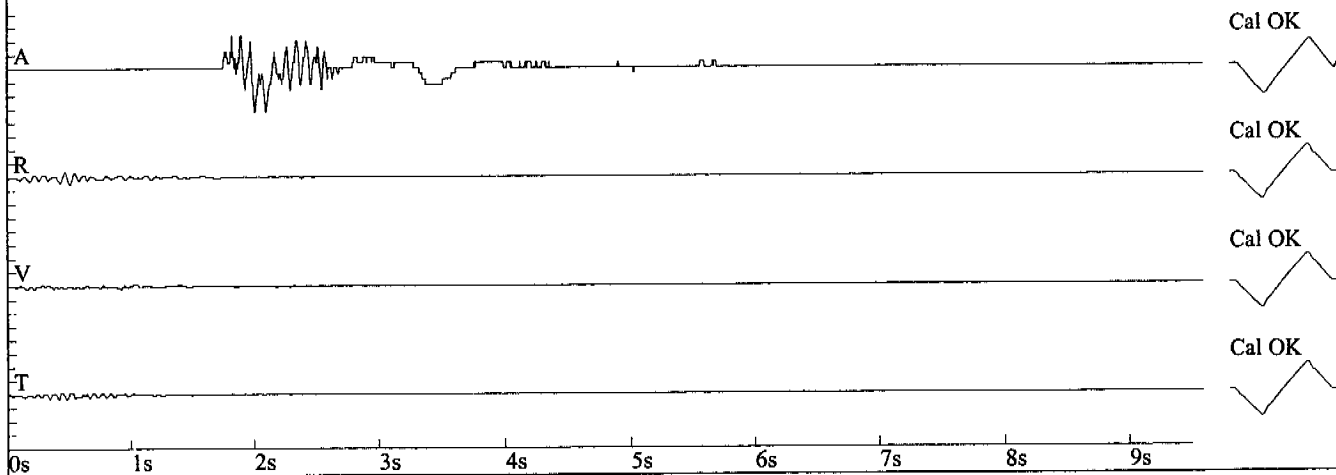
File: D2SAP027.DTB Event Number: 027 Date: 4/12/01 Time: 17:02
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies

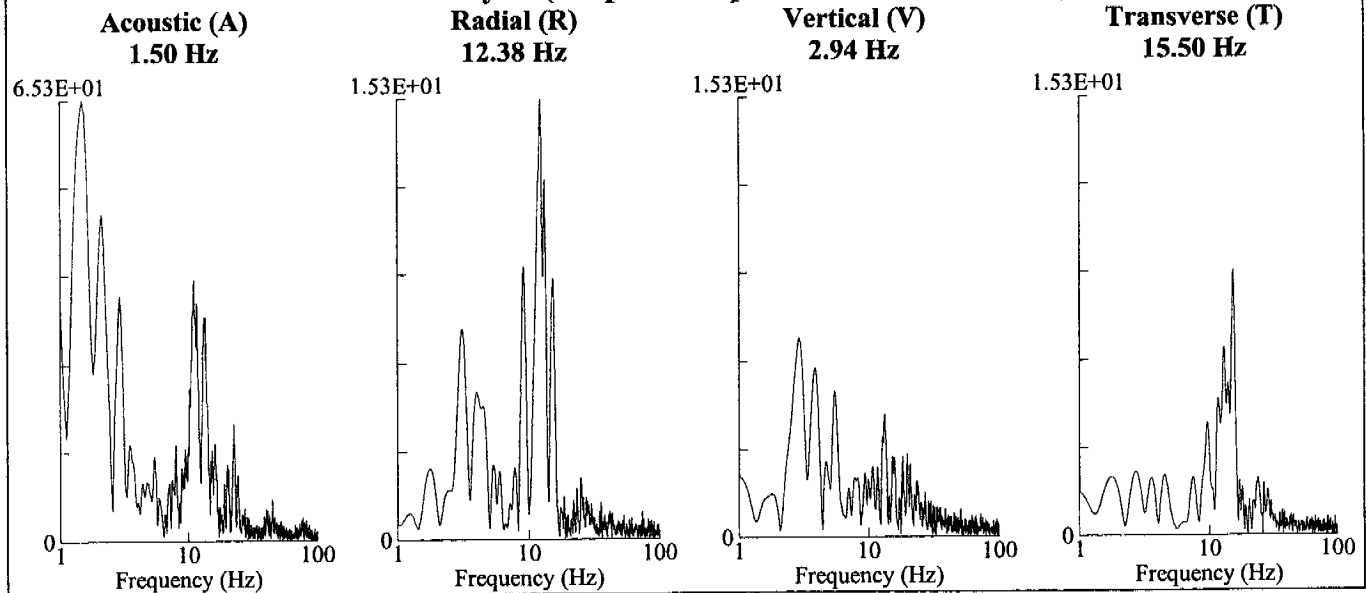
Acoustic (A): 118 dB @ 3.1 Hz
(0.16Mb 0.0023psi 0.0160kPa)
***Radial (R):* 0.025in/s 0.635mm/s @ 13.4Hz**
Vertical (V): 0.01in/s 0.254mm/s @ 0.0Hz
Transverse (T): 0.01in/s 0.254mm/s @ 0.0Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Jr. surface**

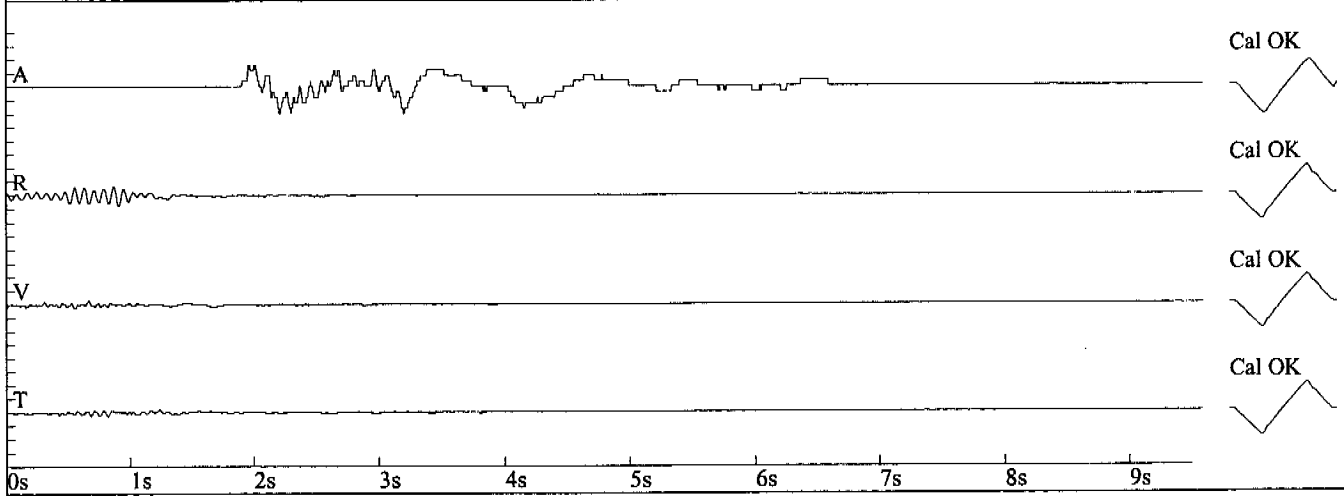
File: D2SAP030.DTB Event Number: 030 Date: 4/13/01 Time: 10:27
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies

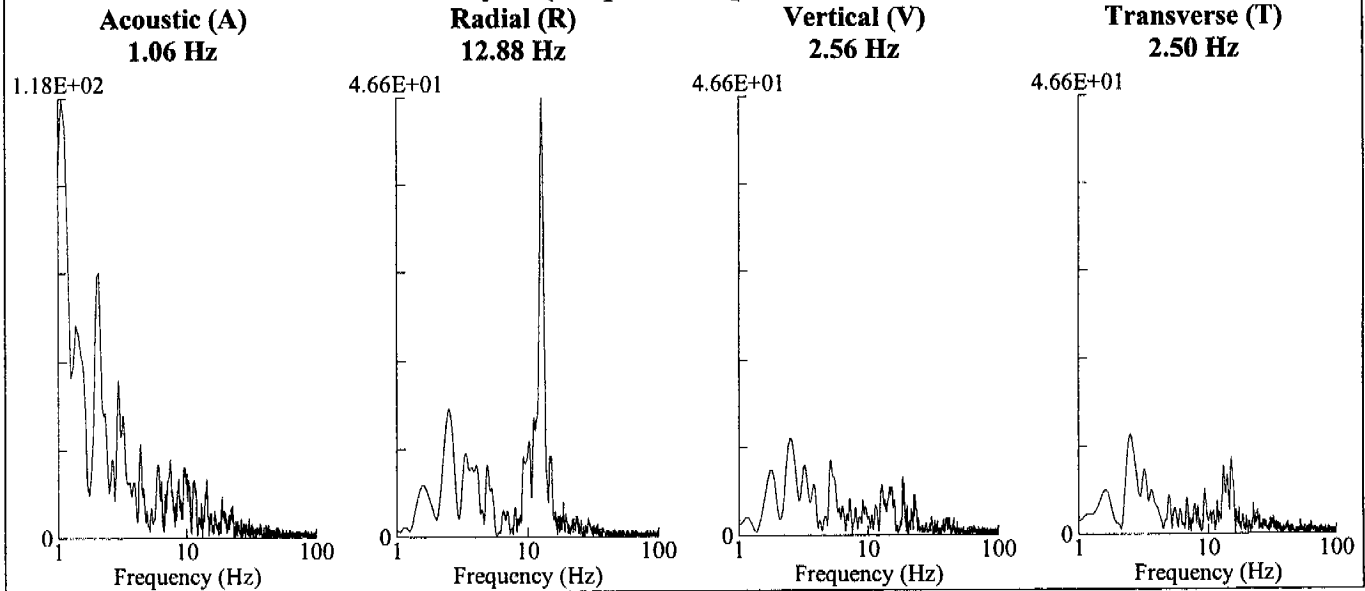
Acoustic (A): 114 dB @ 2.5 Hz
(0.10Mb 0.0015psi 0.0100kPa)
Radial (R): 0.04in/s 1.016mm/s @ 12.8Hz
Vertical (V): 0.015in/s 0.381mm/s @ 23.2Hz
Transverse (T): 0.015in/s 0.381mm/s @ 19.6Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Jr. deep**

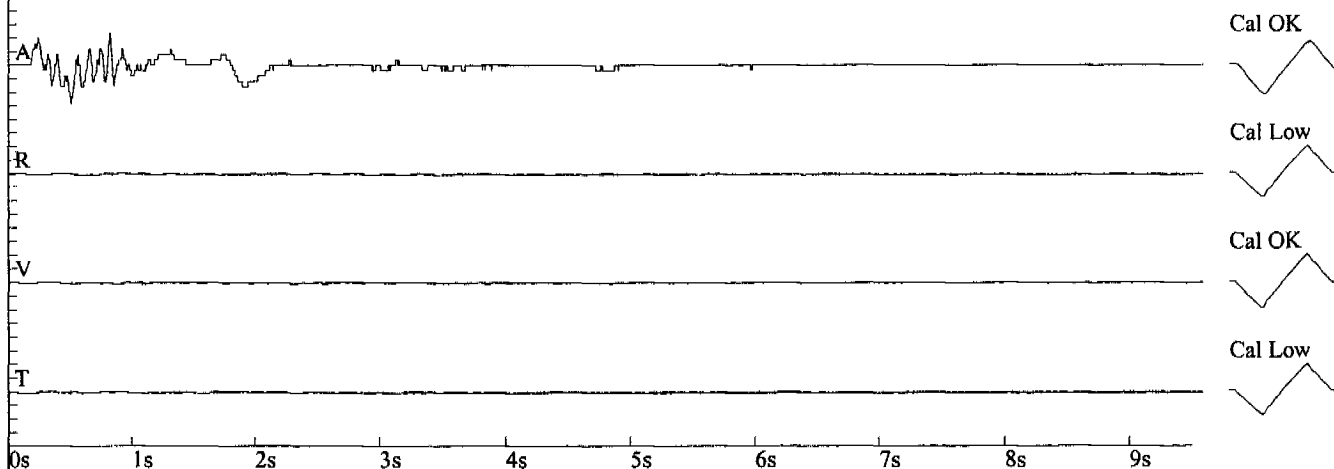
File: D2WAP005.DTB Event Number: 005 Date: 4/3/01 Time: 17:03
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1780

Amplitudes and Frequencies

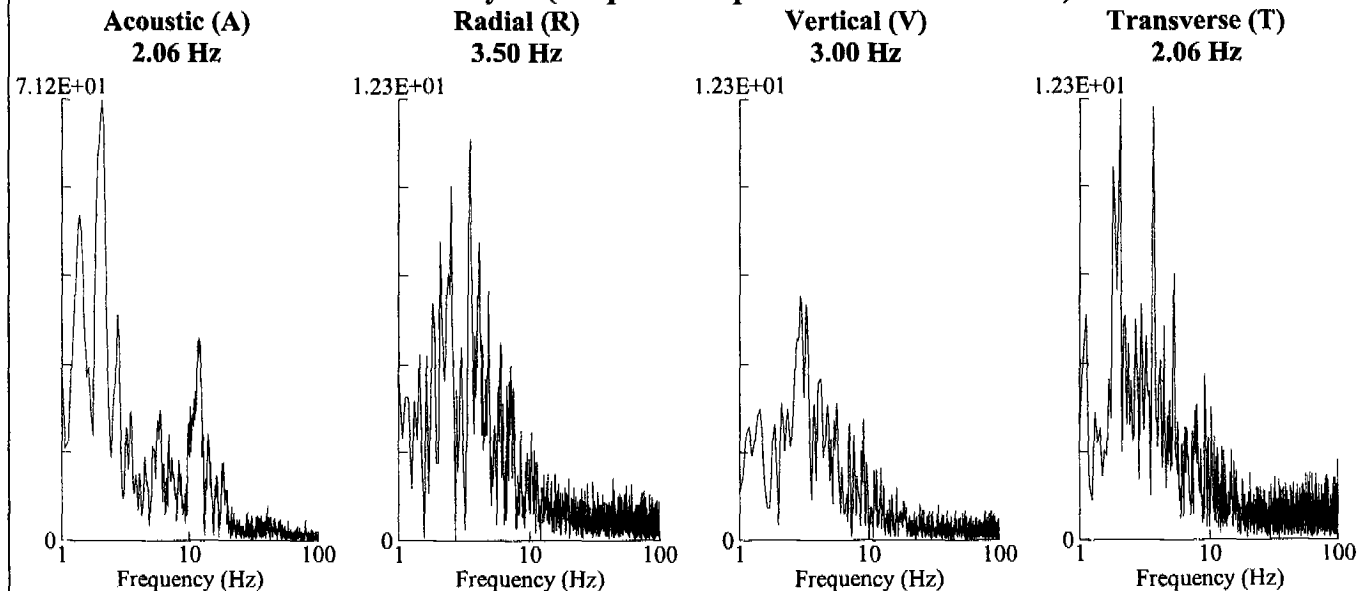
Acoustic (A): 117 dB @ 3.9 Hz
(0.14Mb 0.0020psi 0.0140kPa)
Radial (R): 0.005in/s 0.127mm/s @ 0.0Hz
Vertical (V): 0.005in/s 0.127mm/s @ 0.0Hz
Transverse (T): 0.005in/s 0.127mm/s @ 0.0Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Dean Jr. deep

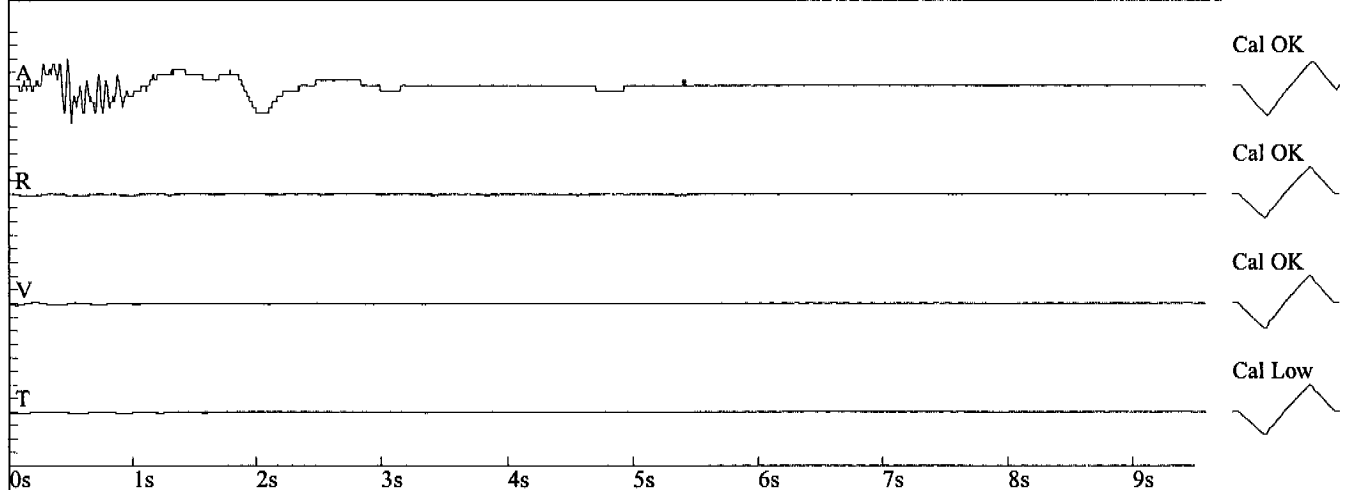
File: D2WAP011.DTB Event Number: 011 Date: 4/10/01 Time: 15:42
 Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1780

Amplitudes and Frequencies

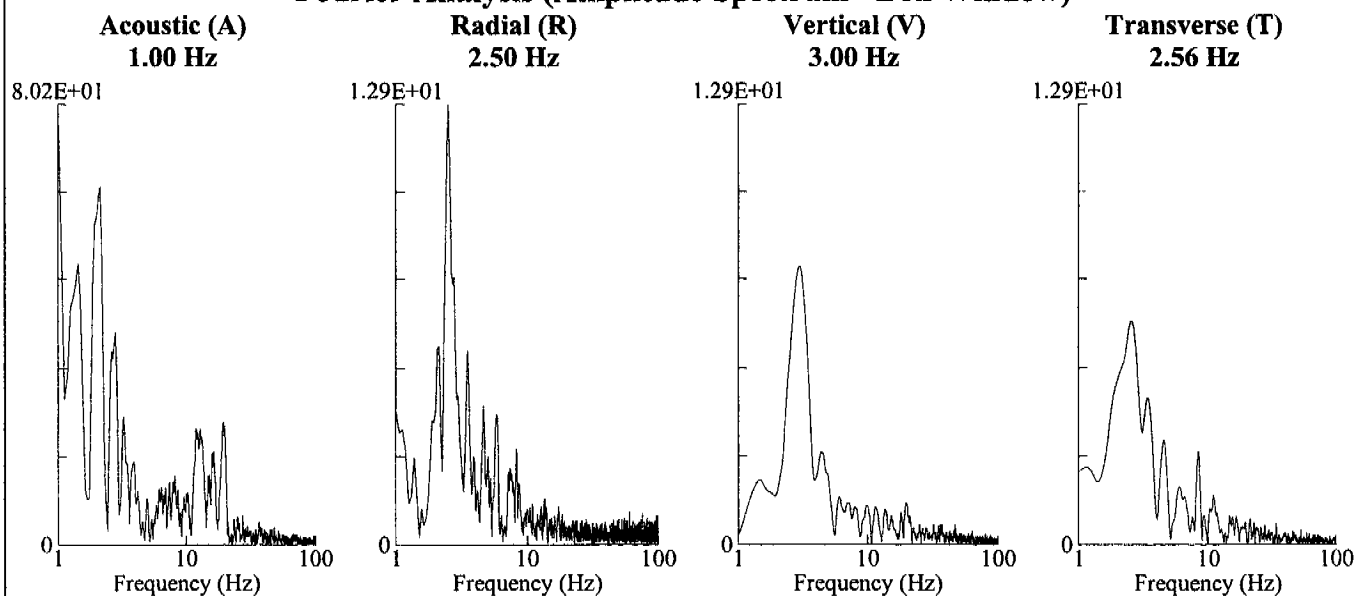
Acoustic (A): 117 dB @ 6.4 Hz
 (0.14Mb 0.0020psi 0.0140kPa)
Radial (R): 0.005in/s 0.127mm/s @ 0.0Hz
Vertical (V): 0.005in/s 0.127mm/s @ 0.0Hz
Transverse (T): 0.005in/s 0.127mm/s @ 0.0Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Jr. deep**

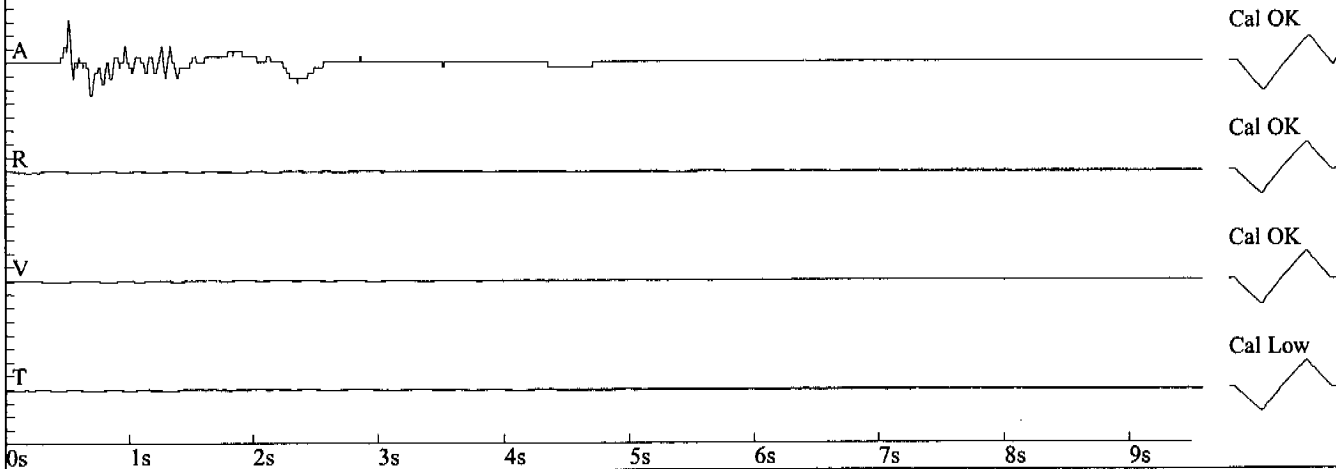
File: D2WAP032.DTB Event Number: 032 Date: 4/11/01 Time: 09:54
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1780

Amplitudes and Frequencies

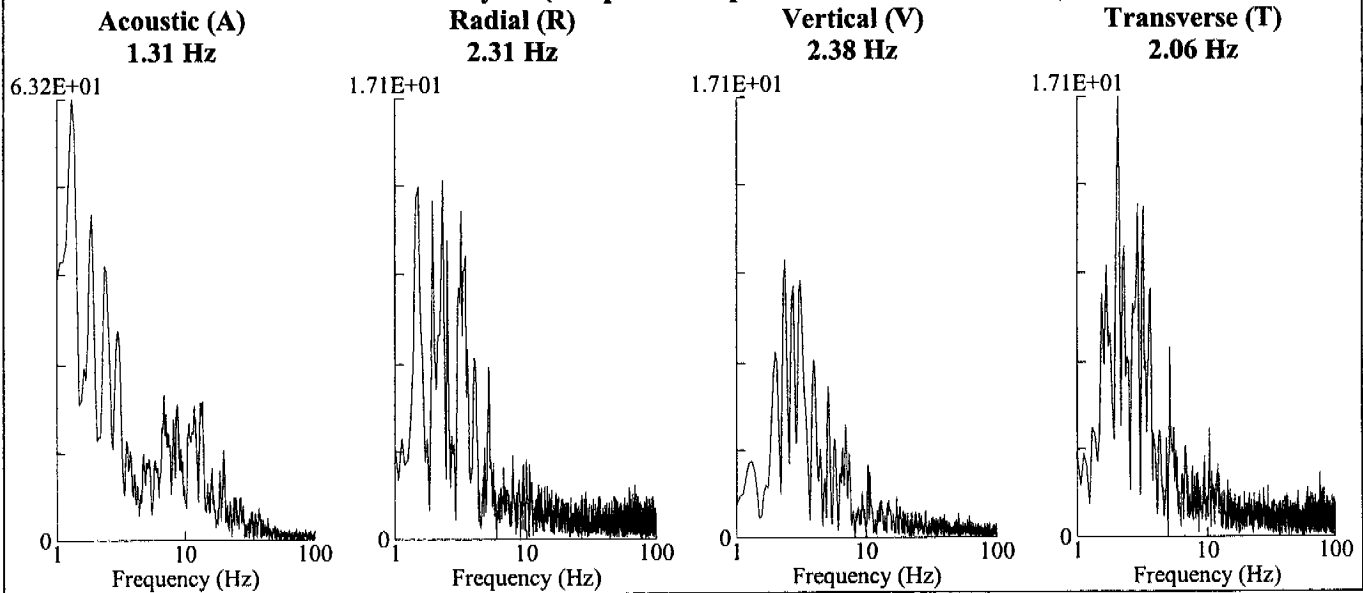
Acoustic (A): 118 dB @ 7.5 Hz
(0.16Mb 0.0023psi 0.0160kPa)
Radial (R): 0.005in/s 0.127mm/s @ 0.0Hz
Vertical (V): 0.005in/s 0.127mm/s @ 0.0Hz
Transverse (T): 0.005in/s 0.127mm/s @ 0.0Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Dean Jr. deep**

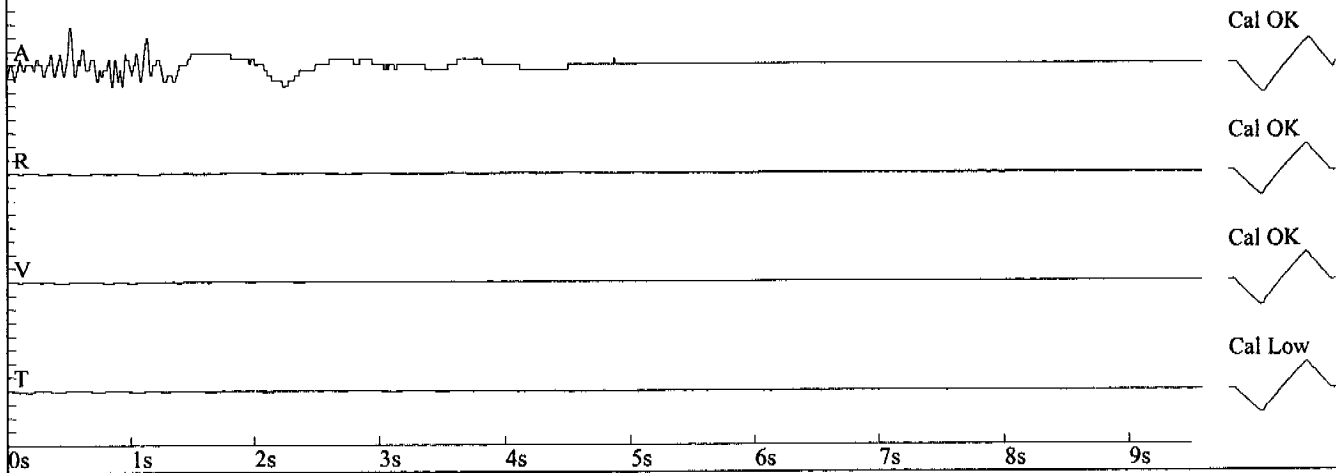
File: D2WAP033.DTB Event Number: 033 Date: 4/12/01 Time: 10:34
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1780

Amplitudes and Frequencies

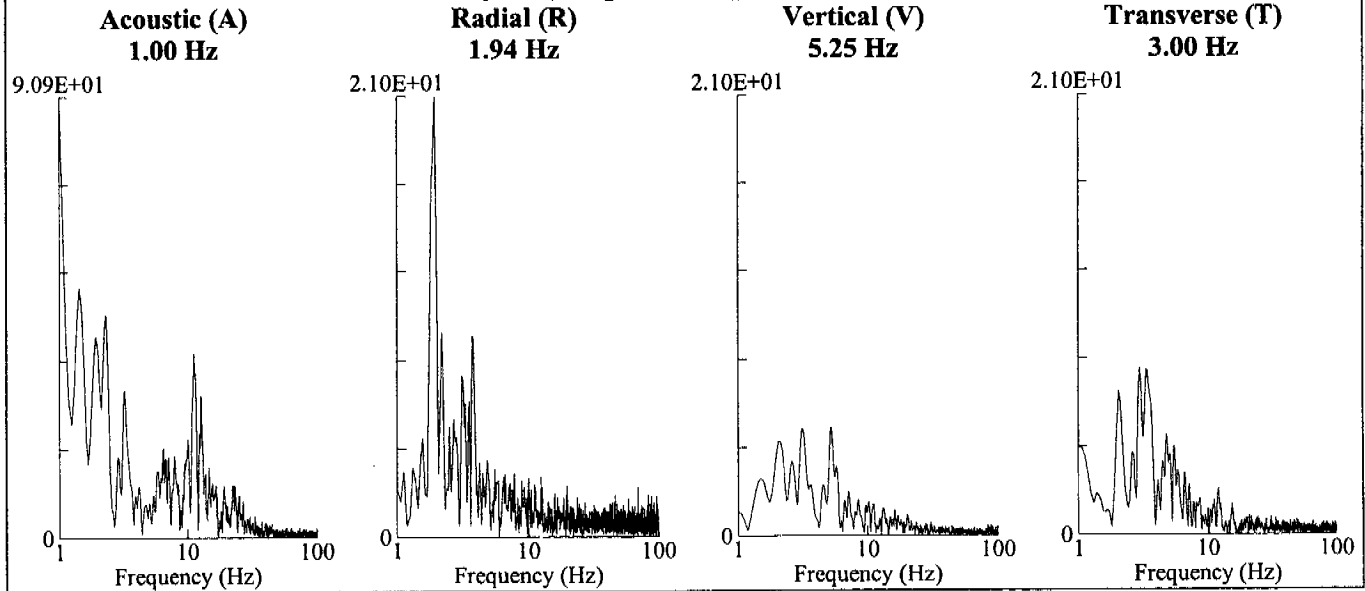
Acoustic (A): 117 dB @ 11.1 Hz
(0.14Mb 0.0020psi 0.0140kPa)
Radial (R): 0.005in/s 0.127mm/s @ 0.0Hz
Vertical (V): 0.005in/s 0.127mm/s @ 0.0Hz
Transverse (T): 0.005in/s 0.127mm/s @ 0.0Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)

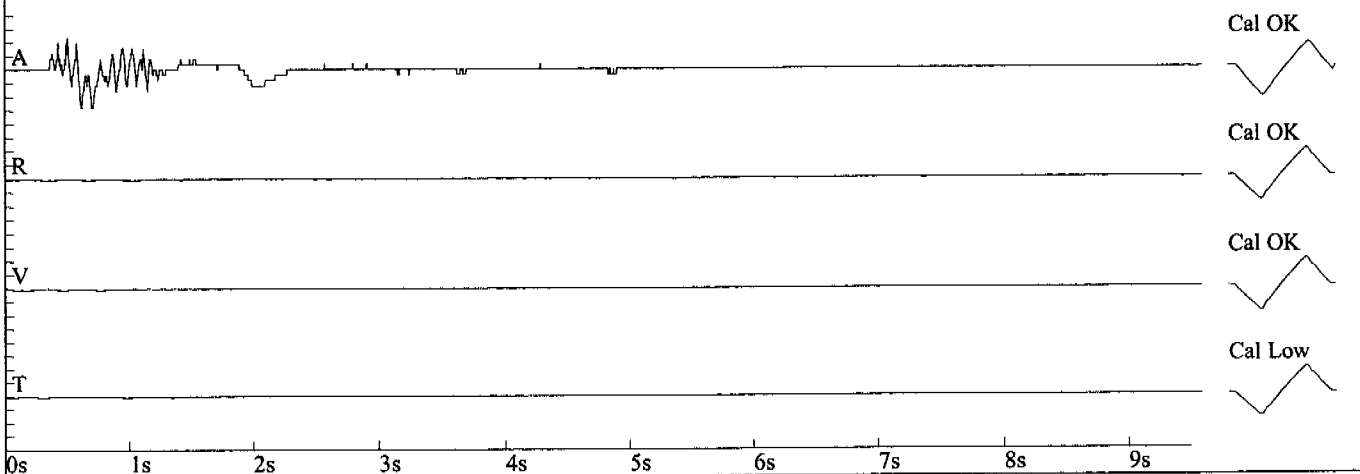


**West Virginia
Dean Jr. deep**

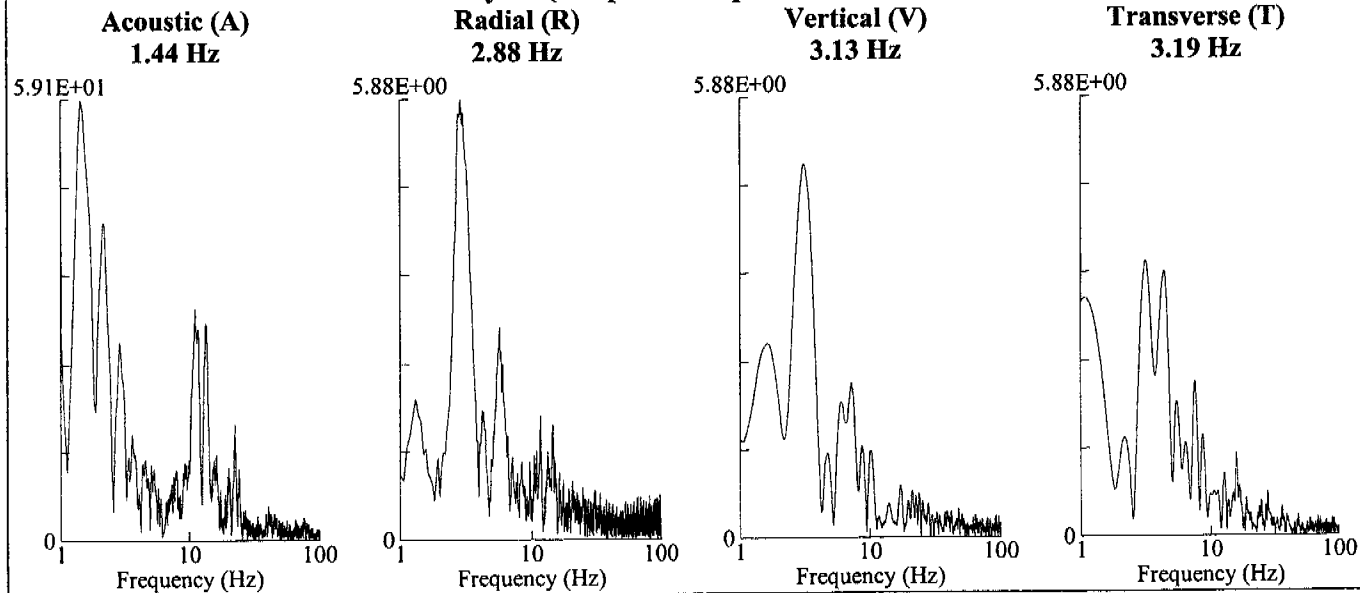
File: D2WAP034.DTB Event Number: 034 Date: 4/12/01 Time: 17:01
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1780

Amplitudes and Frequencies
Acoustic (A): 117 dB @ 3.1 Hz
 (0.14Mb 0.0020psi 0.0140kPa)
Radial (R): 0.005in/s 0.127mm/s @ 0.0Hz
Vertical (V): 0.005in/s 0.127mm/s @ 0.0Hz
Transverse (T): 0.005in/s 0.127mm/s @ 0.0Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information
 Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
 Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Abbott 1 shallow**

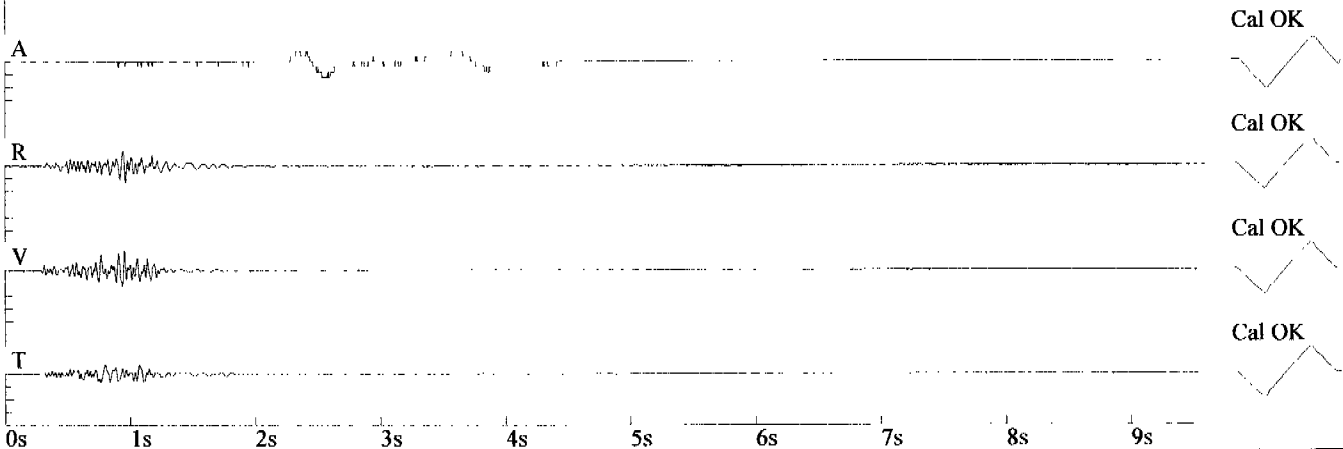
File: A1SAP016.DTB Event Number: 016 Date: 04/16/2001 Time: 16:50
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

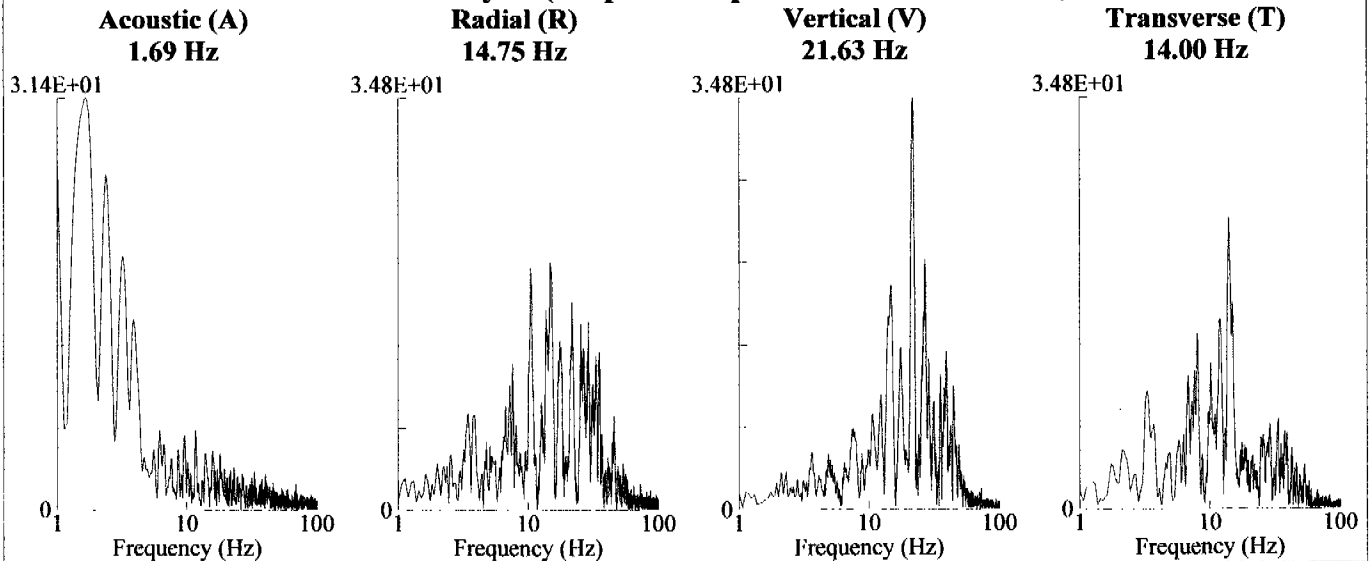
Acoustic (A): 110 dB @ 1.8 Hz
(0.06Mb 0.0009psi 0.0060kPa)
Radial (R): 0.065in/s 1.651mm/s @ 28.4Hz
***Vertical (V):* 0.075in/s 1.905mm/s @ 32.0Hz**
Transverse (T): 0.035in/s 0.889mm/s @ 12.8Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)

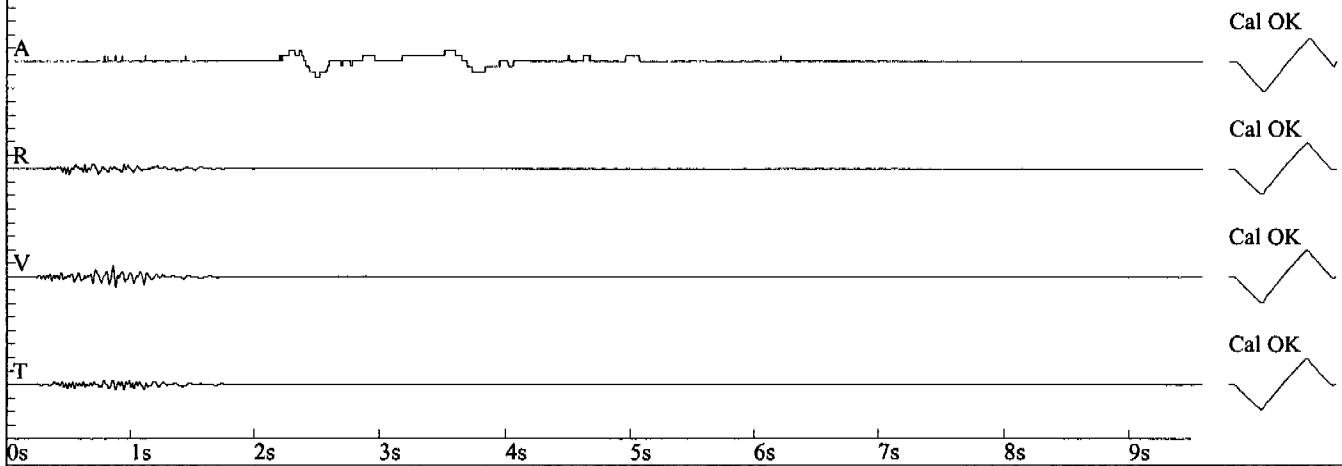


West Virginia Abbott 1 deep

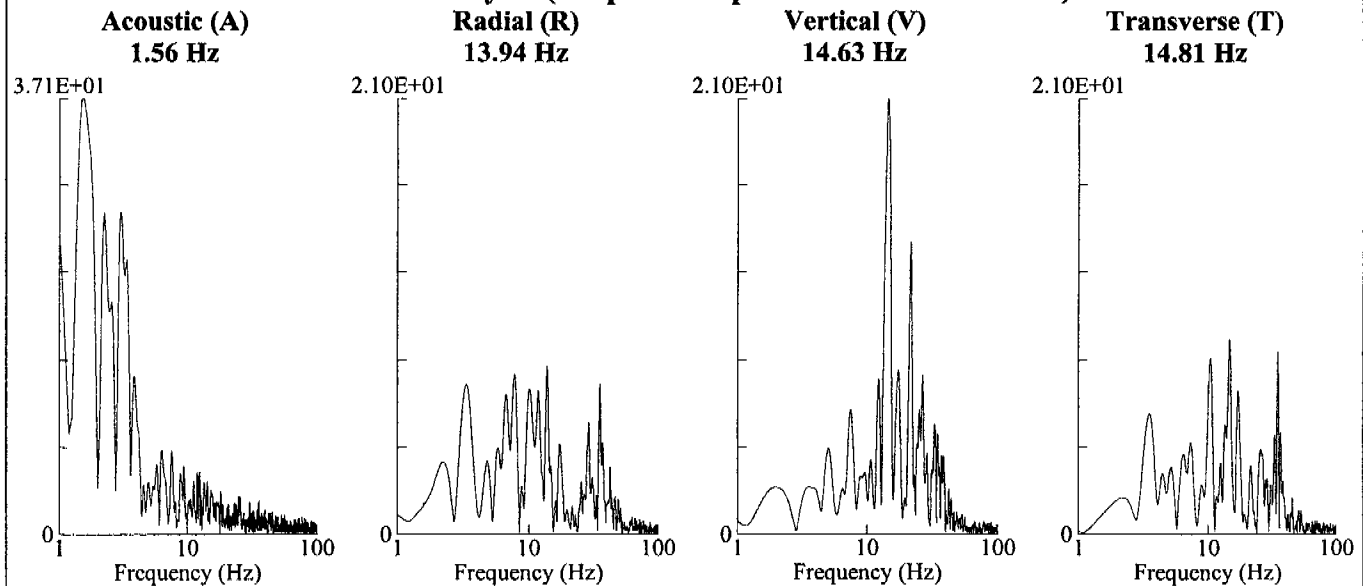
File: A1DAP004.DTB Event Number: 004 Date: 4/16/01 Time: 16:50
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1782

Amplitudes and Frequencies
Acoustic (A): 110 dB @ 3.2 Hz
 (0.06Mb 0.0009psi 0.0060kPa)
Radial (R): 0.025in/s 0.635mm/s @ 26.9Hz
Vertical (V): **0.04in/s 1.016mm/s @ 22.2Hz**
Transverse (T): 0.02in/s 0.508mm/s @ 25.6Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information
Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)

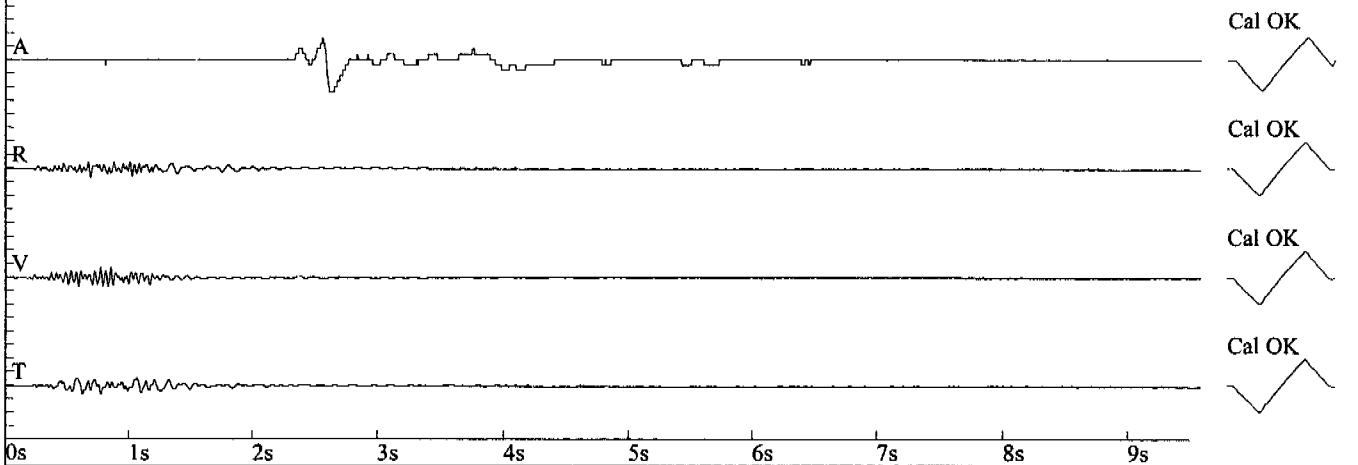


**West Virginia
Abbott 1 shallow**

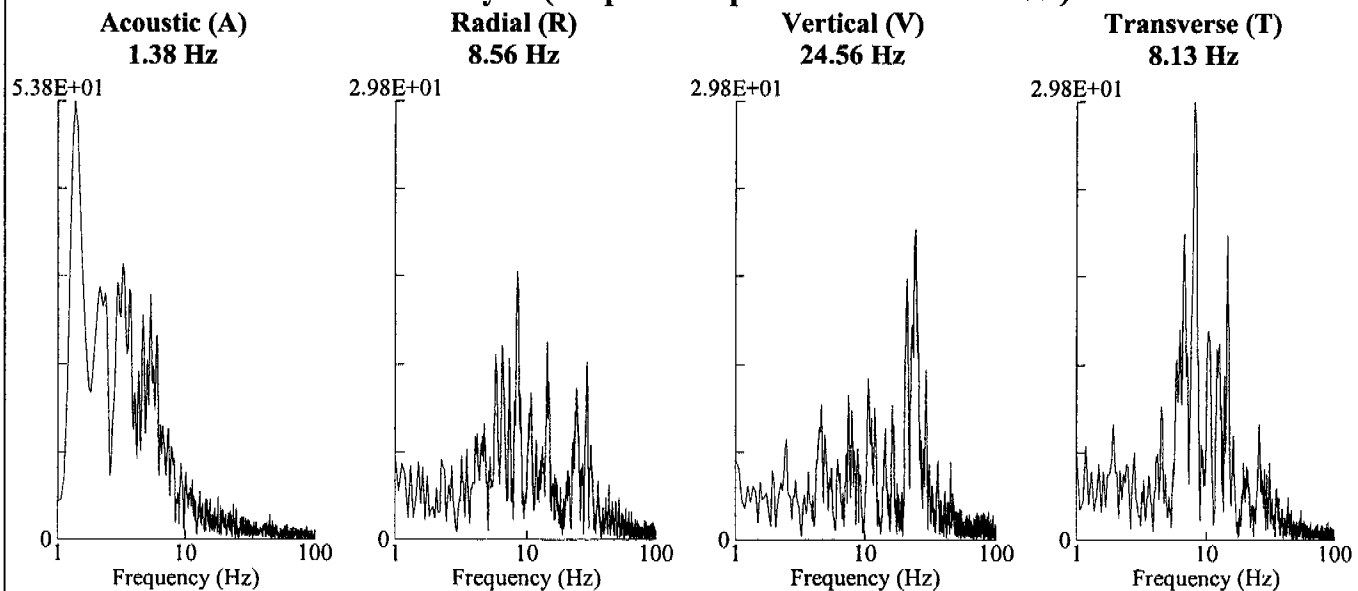
File: A1SAP026.DTB Event Number: 026 Date: 4/18/01 Time: 16:51
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies
Acoustic (A): 116 dB @ 2.8 Hz
 (0.12Mb 0.0017psi 0.0120kPa)
Radial (R): 0.035in/s 0.889mm/s @ 23.2Hz
Vertical (V): 0.035in/s 0.889mm/s @ 26.9Hz
Transverse (T): 0.035in/s 0.889mm/s @ 10.8Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information
 Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
 Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Abbott 1 shallow

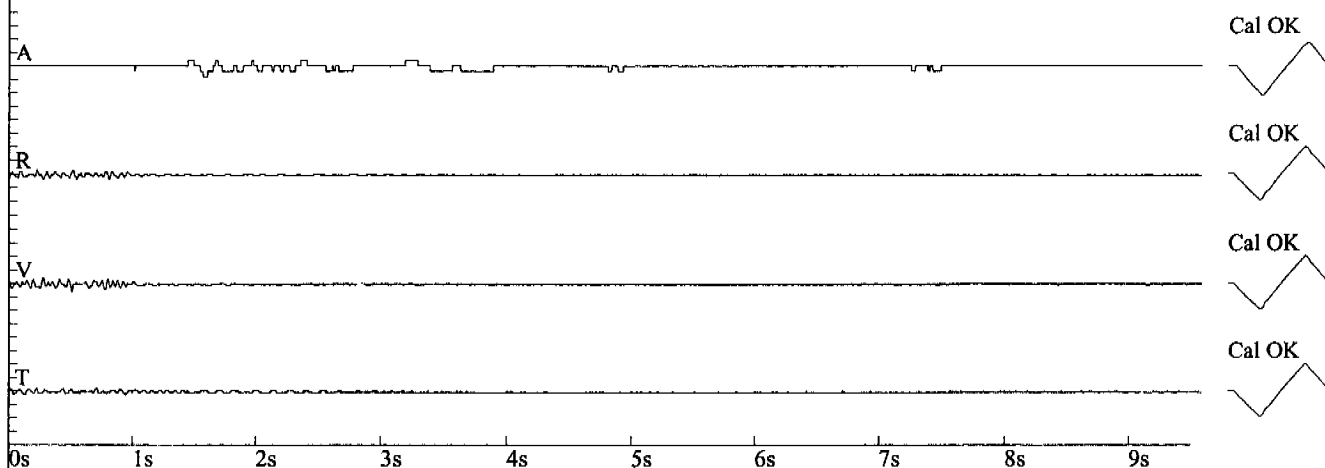
File: A1SAP027.DTB Event Number: 027 Date: 4/18/01 Time: 16:54
 Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

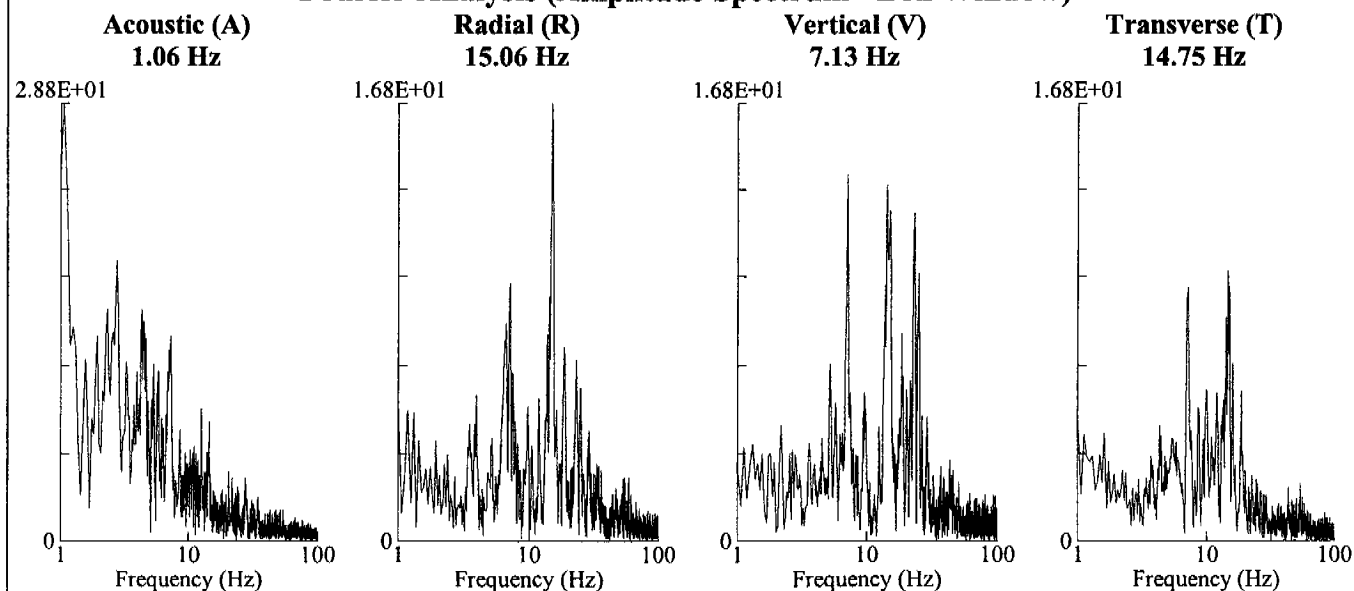
Acoustic (A): 106 dB @ 0.0 Hz
 (0.04Mb 0.0006psi 0.0040kPa)
Radial (R): 0.02in/s 0.508mm/s @ 19.6Hz
Vertical (V): 0.03in/s 0.762mm/s @ 22.2Hz
Transverse (T): 0.015in/s 0.381mm/s @ 12.8Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Abbott 1 deep

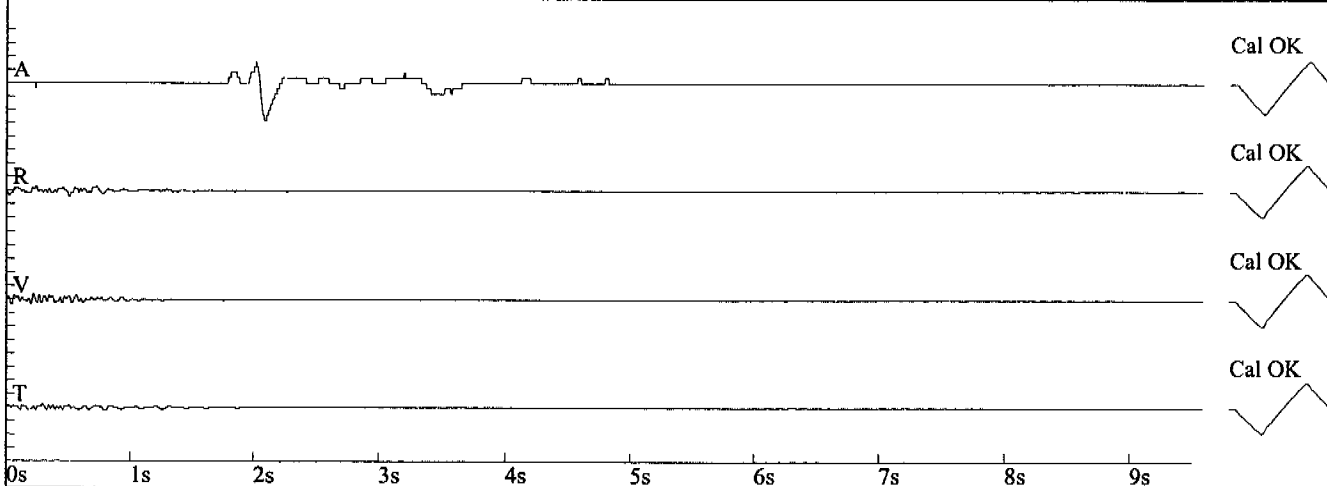
File: A1DAP006.DTB Event Number: 006 Date: 4/18/01 Time: 16:51
 Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1782

Amplitudes and Frequencies

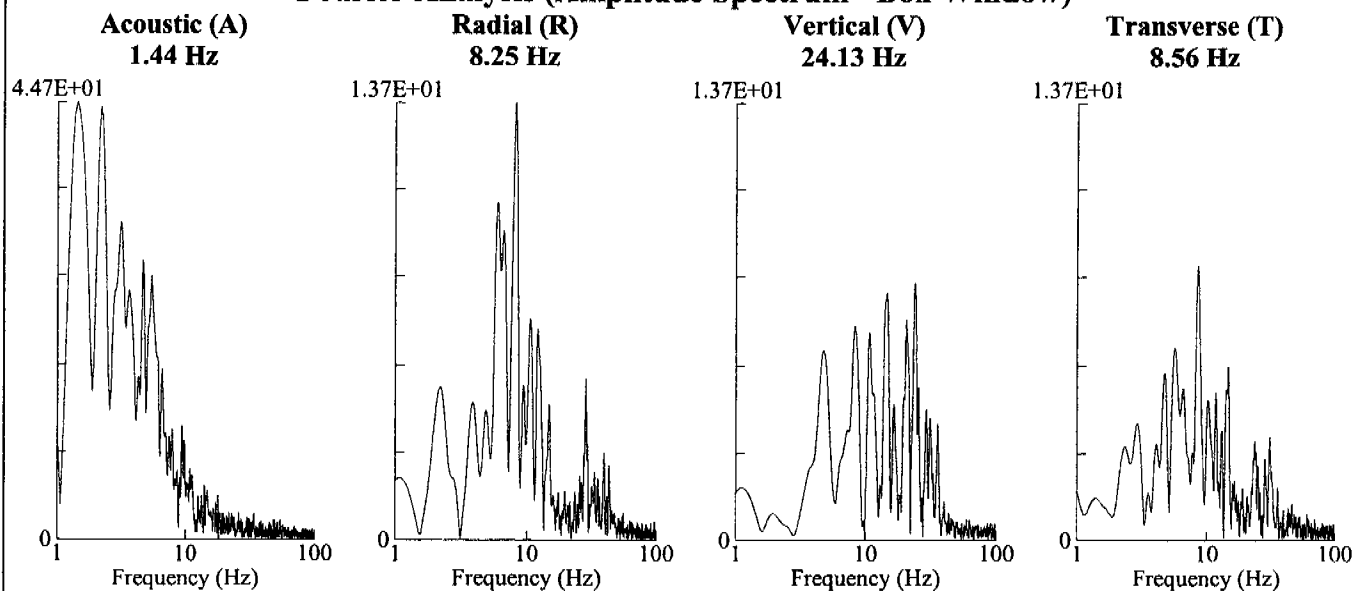
Acoustic (A): 117 dB @ 3.3 Hz
 (0.14Mb 0.0020psi 0.0140kPa)
Radial (R): 0.025in/s 0.635mm/s @ 10.4Hz
Vertical (V): 0.015in/s 0.381mm/s @ 21.3Hz
Transverse (T): 0.01in/s 0.254mm/s @ 0.0Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Abbott 1 shallow

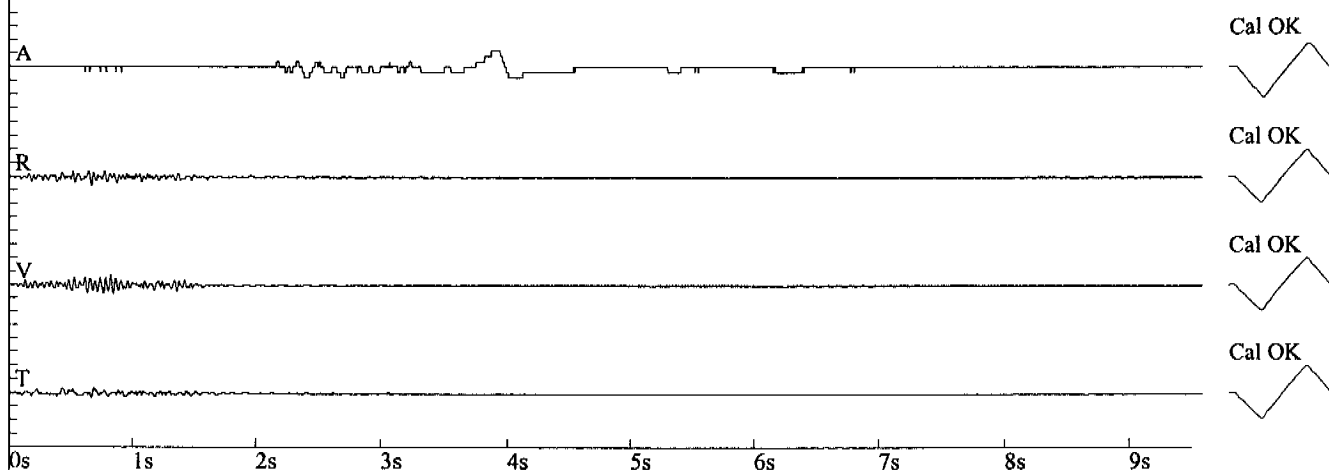
File: A1SAP028.DTB Event Number: 028 Date: 4/19/01 Time: 08:55
 Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

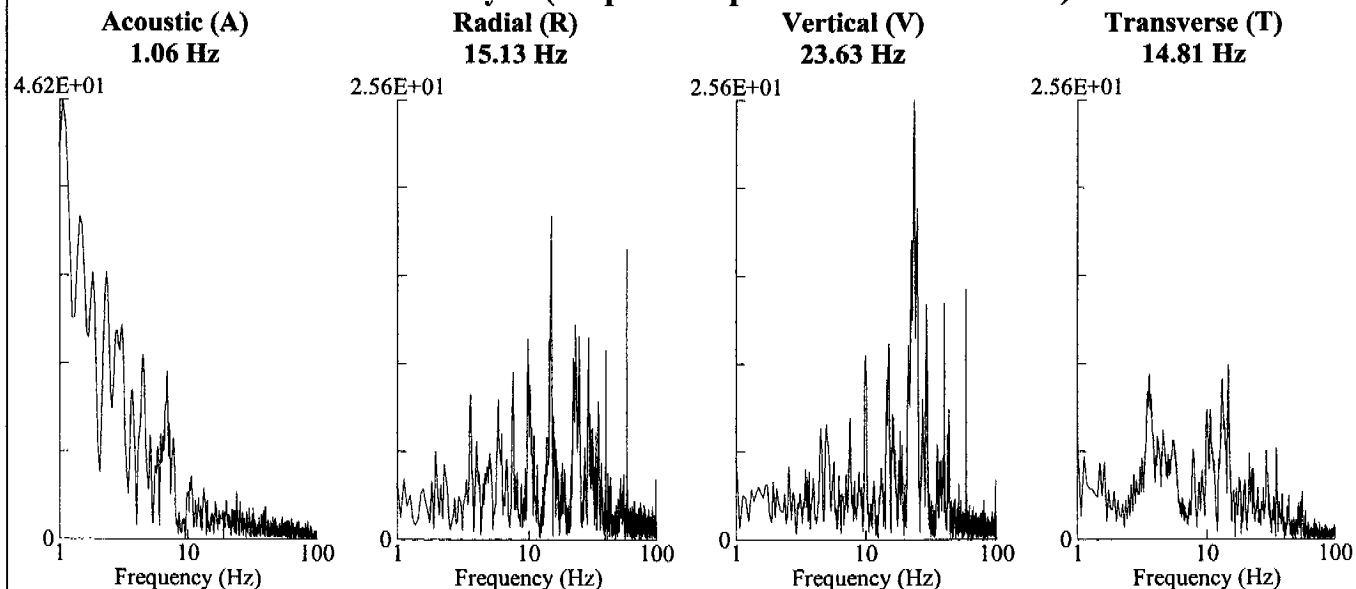
Acoustic (A): 110 dB @ 3.1 Hz
 (0.06Mb 0.0009psi 0.0060kPa)
Radial (R): 0.035in/s 0.889mm/s @ 24.3Hz
Vertical (V): 0.035in/s 0.889mm/s @ 28.4Hz
Transverse (T): 0.02in/s 0.508mm/s @ 23.2Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Abbott 1 deep

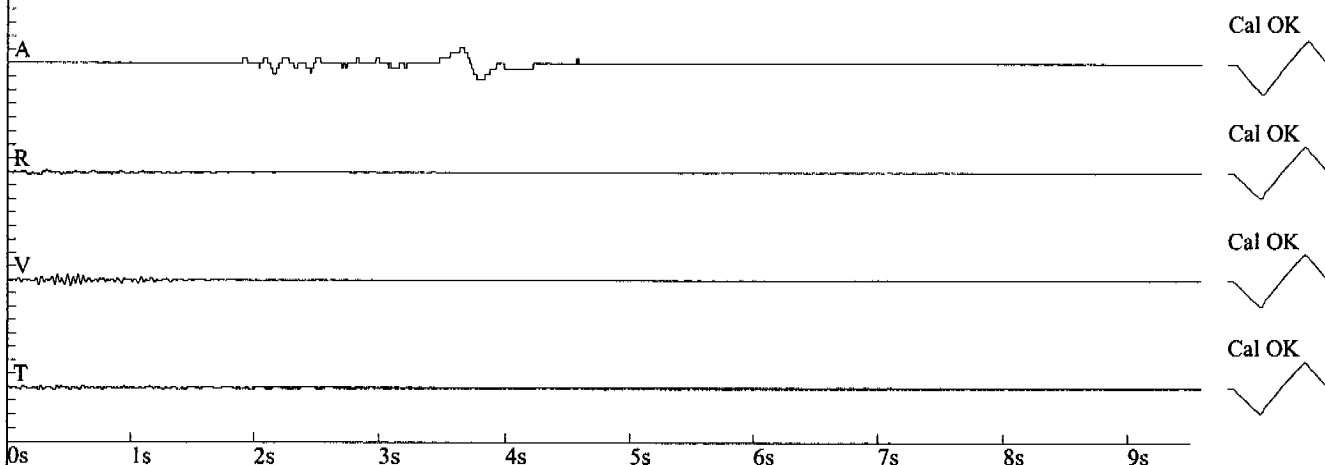
File: A1DAP007.DTB Event Number: 007 Date: 4/19/01 Time: 08:55
 Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1782

Amplitudes and Frequencies

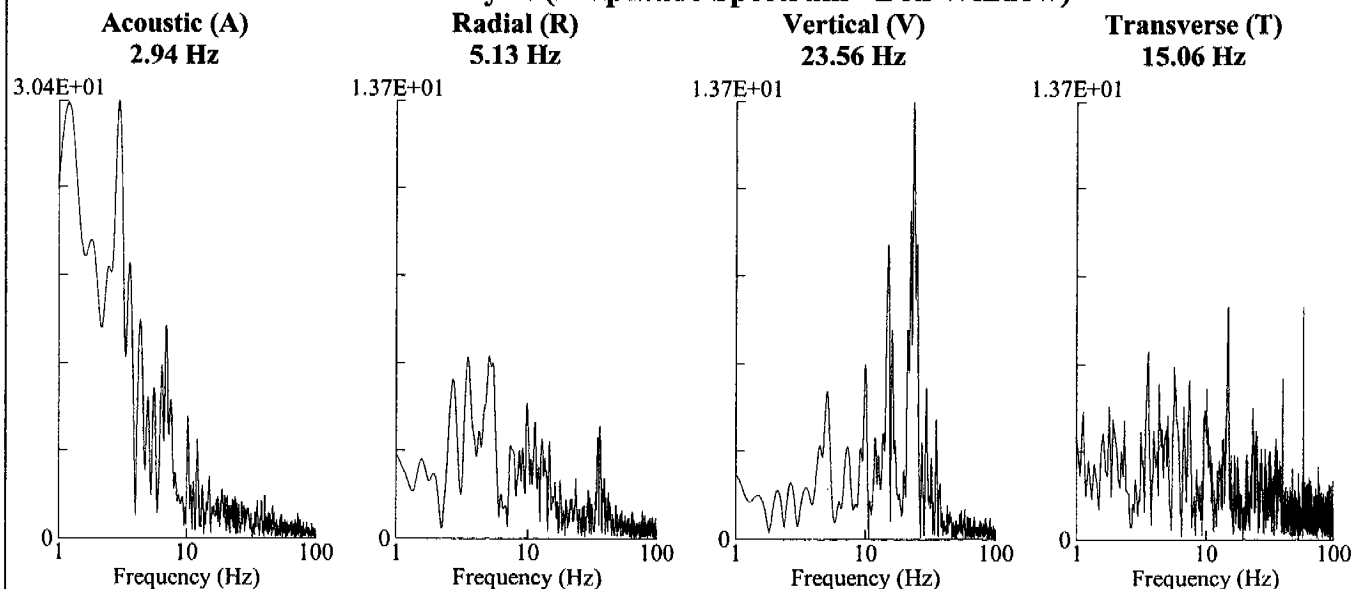
Acoustic (A): 110 dB @ 5.5 Hz
 (0.06Mb 0.0009psi 0.0060kPa)
Radial (R): 0.01in/s 0.254mm/s @ 0.0Hz
Vertical (V): 0.025in/s 0.635mm/s @ 22.2Hz
Transverse (T): 0.01in/s 0.254mm/s @ 0.0Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Abbott 1 shallow**

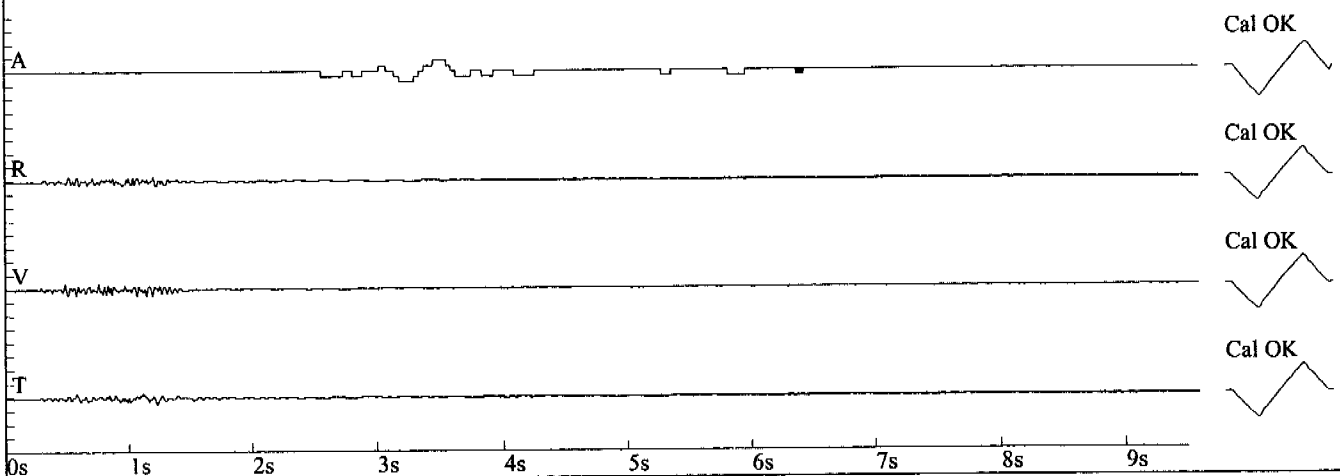
File: A1SAP033.DTB Event Number: 033 Date: 4/19/01 Time: 16:52
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1781

Amplitudes and Frequencies

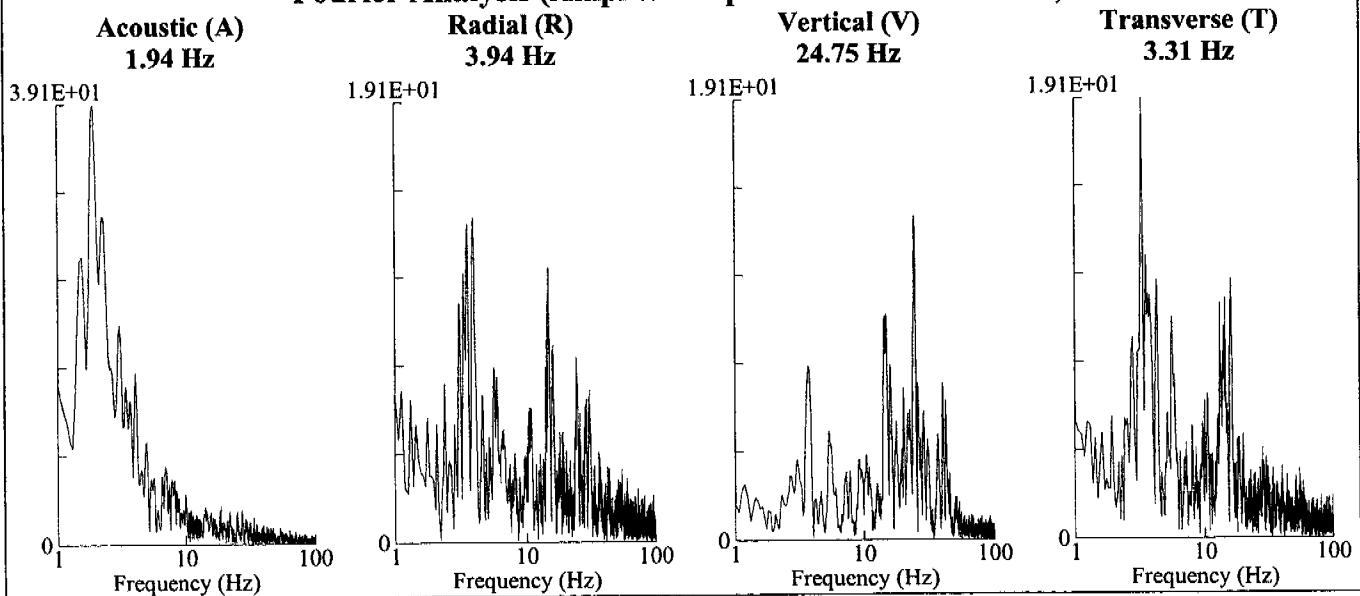
Acoustic (A): 106 dB @ 0.0 Hz
(0.04Mb 0.0006psi 0.0040kPa)
Radial (R): 0.02in/s 0.508mm/s @ 9.4Hz
Vertical (V): **0.025in/s 0.635mm/s @ 22.2Hz**
Transverse (T): **0.025in/s 0.635mm/s @ 12.4Hz**
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Abbott 2 shallow

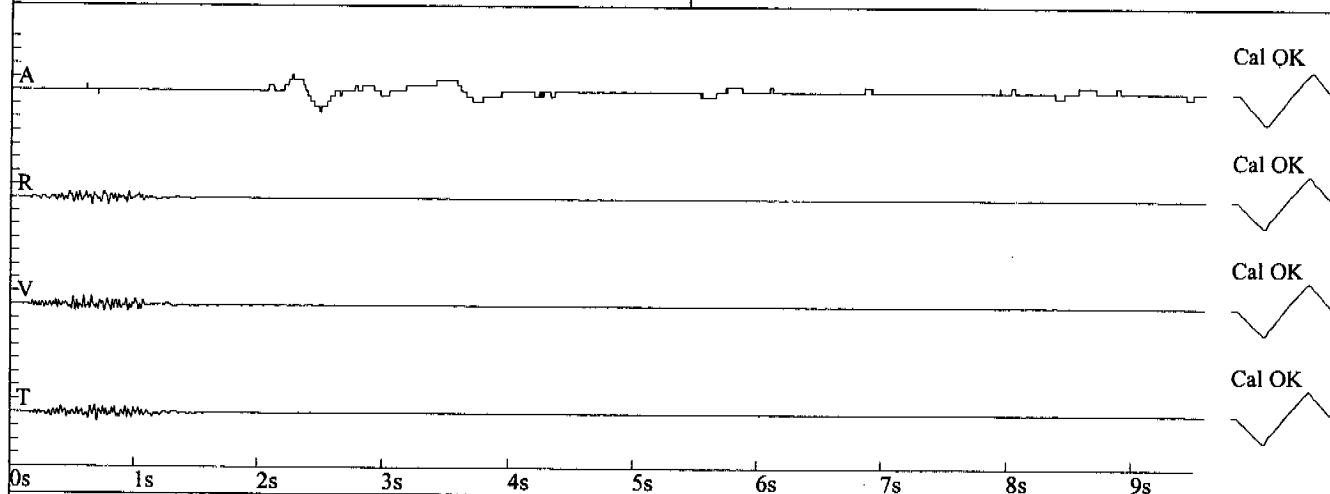
File: A2NS4020.DTB Event Number: 020 Date: 4/16/01 Time: 16:49
Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies

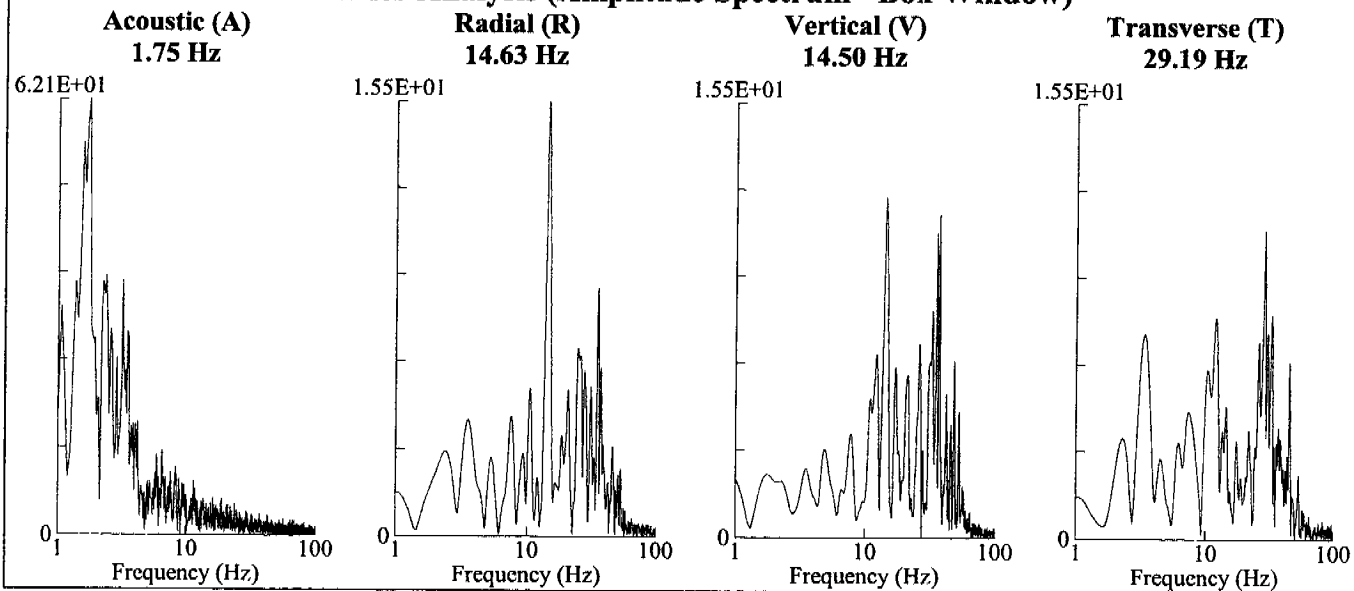
Acoustic (A): 112 dB @ 2.5 Hz
(0.08Mb 0.0012psi 0.0080kPa)
Radial (R): 0.03in/s 0.762mm/s @ 30.1Hz
Vertical (V): 0.03in/s 0.762mm/s @ 39.3Hz
Transverse (T): 0.035in/s 0.889mm/s @ 30.1Hz
Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



**West Virginia
Abbott 2 deep**

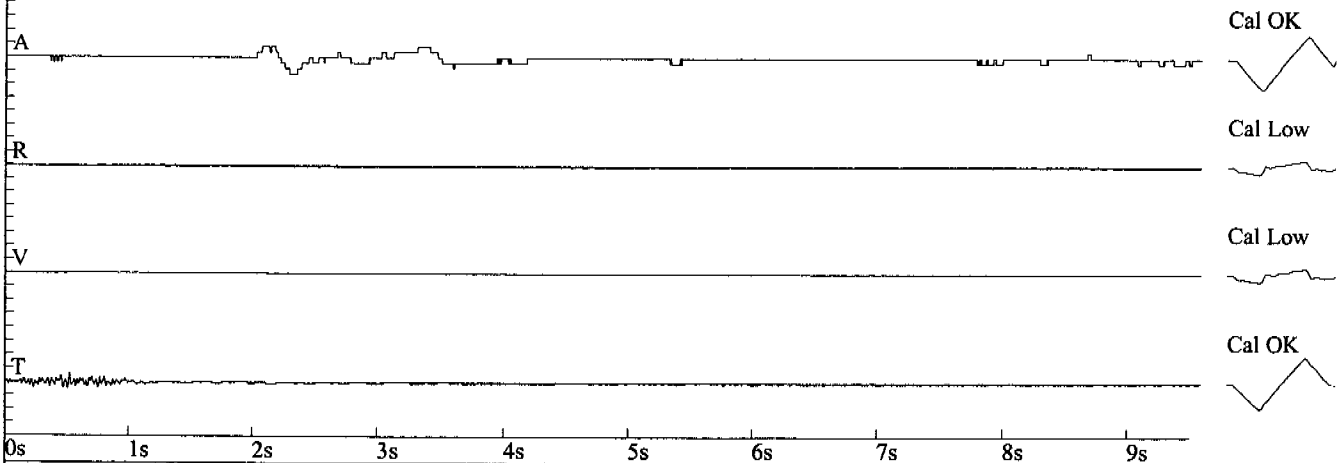
File: A2SP4017.DTB Event Number: 017 Date: 4/16/01 Time: 16:45
 Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1780

Amplitudes and Frequencies

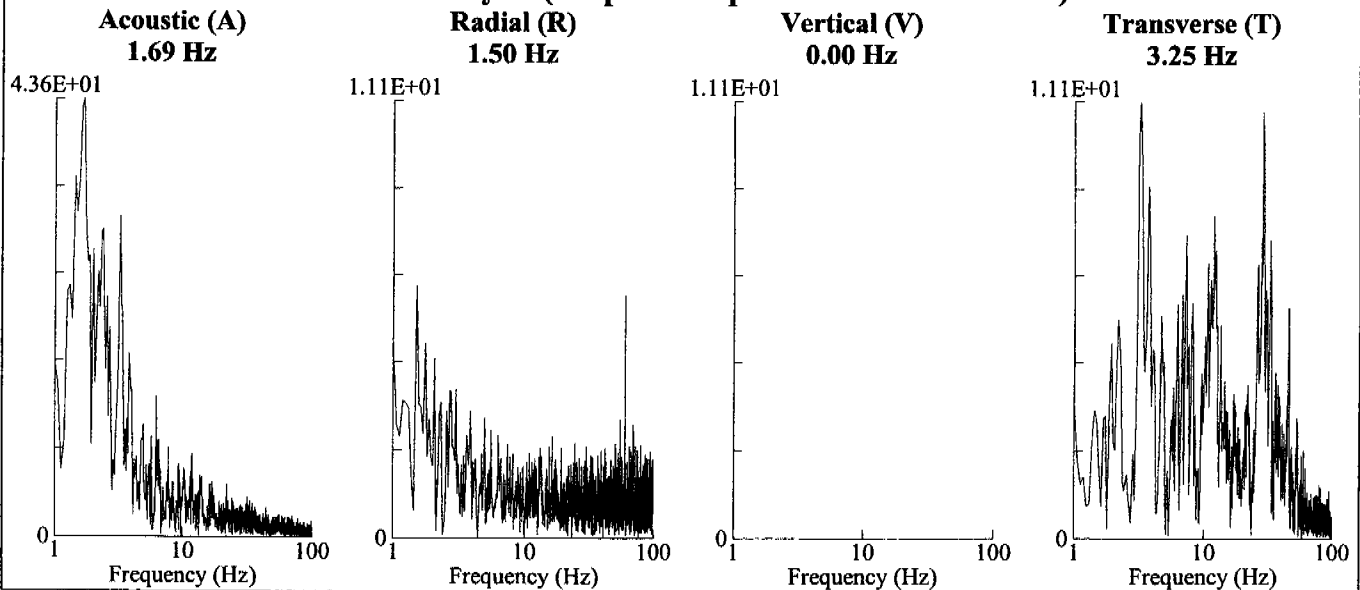
Acoustic (A): 110 dB @ 2.6 Hz
 (0.06Mb 0.0009psi 0.0060kPa)
 Radial (R): 0.005in/s 0.127mm/s @ 0.0Hz
 Vertical (V): 0.00in/s 0.00mm/s @ 0.0Hz
 Transverse (T): 0.03in/s 0.762mm/s @ 34.1Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
 Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
 Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
 Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



West Virginia Abbott 2 shallow

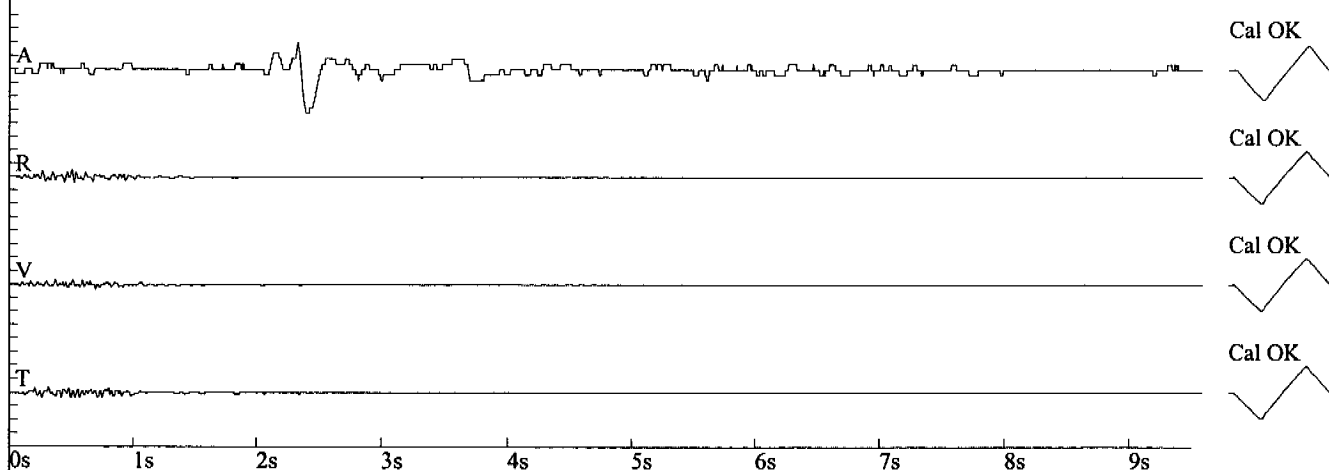
File: A2NS4072.DTB Event Number: 072 Date: 4/18/01 Time: 16:50
 Acoustic Trigger: 114 dB Seismic Trigger: 0.025in/s 0.635mm/s Serial Number: 1779

Amplitudes and Frequencies

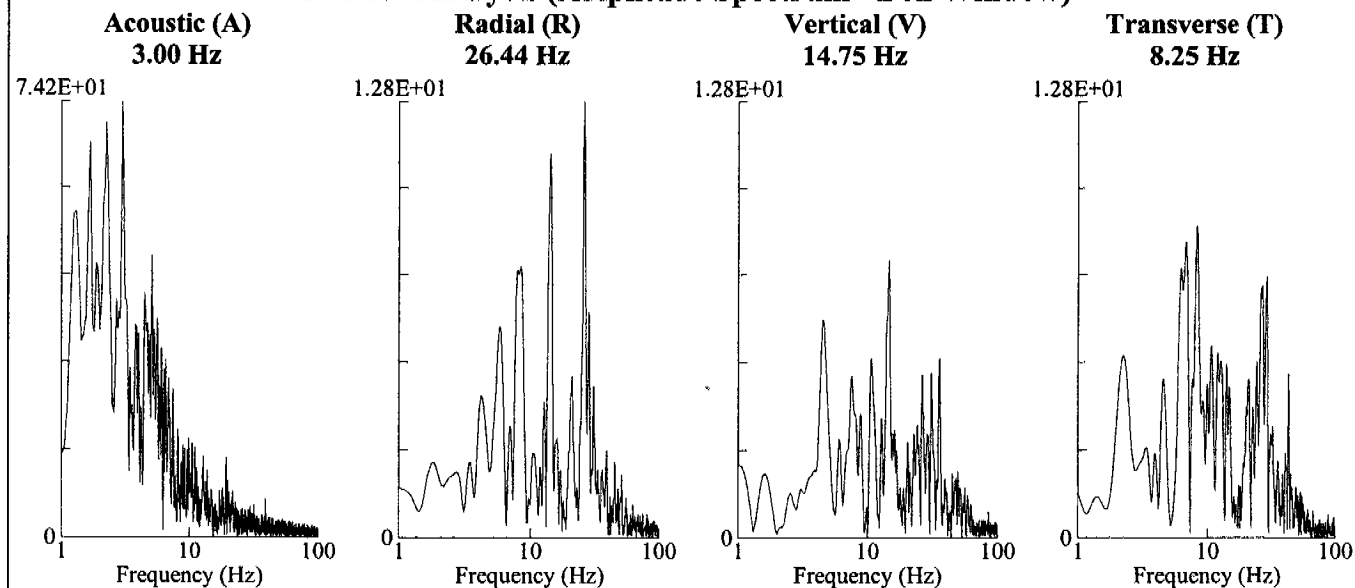
Acoustic (A): 118 dB @ 3.3 Hz
 (0.16Mb 0.0023psi 0.0160kPa)
Radial (R): 0.025in/s 0.635mm/s @ 25.6Hz
Vertical (V): 0.02in/s 0.508mm/s @ 28.4Hz
Transverse (T): 0.02in/s 0.508mm/s @ 28.4Hz
 Calibration Date (yyyy/mm/dd): 2000/11/22

Graph Information

Duration: 0.000 sec To: 9.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 1.00 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



FALL 2001

Kentucky Sumner

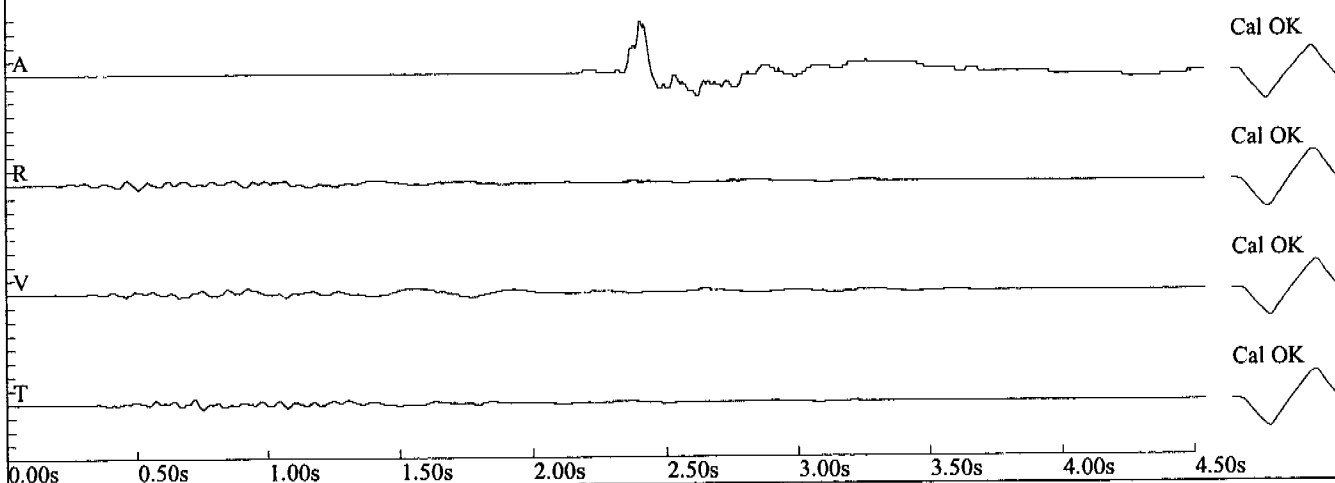
File: 608@@@135.DTA Event Number: 135 Date: 9/21/01 Time: 14:25
Acoustic Trigger: 120 dB Seismic Trigger: 0.02in/s 0.508mm/s Serial Number: 809

Amplitudes and Frequencies

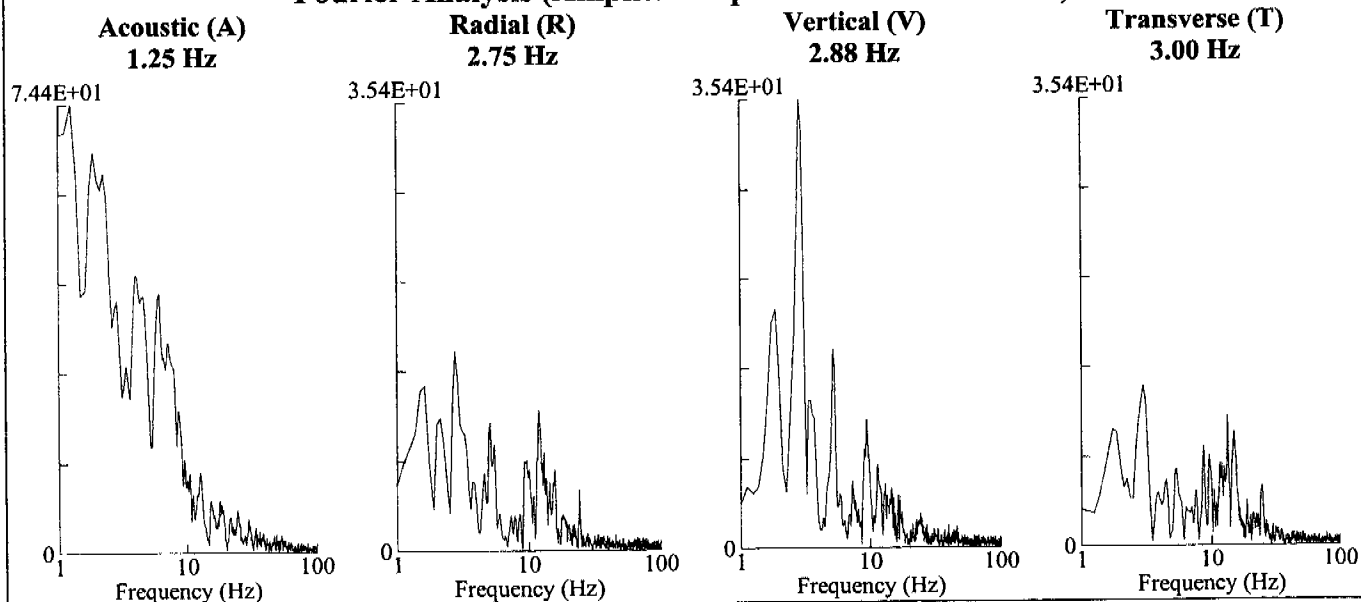
Acoustic (A): 125 dB @ 5.5 Hz
(0.34Mb 0.0049psi 0.0340kPa)
Radial (R): 0.02in/s 0.508mm/s @ 14.2Hz
Vertical (V): 0.02in/s 0.508mm/s @ 7.0Hz
Transverse (T): 0.02in/s 0.508mm/s @ 20.4Hz

Graph Information

Duration: 0.000 sec To: 4.500 sec
Acoustic Scale:
125dB 0.36Mb (0.090Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 0.50 sec intervals



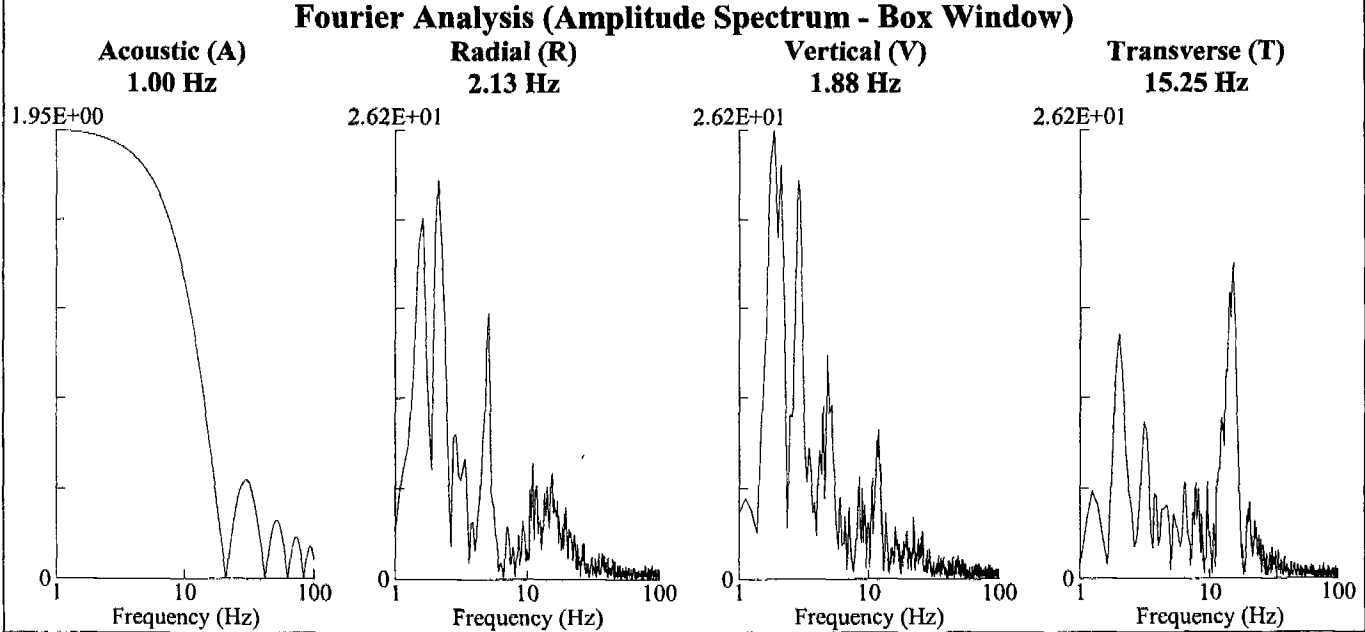
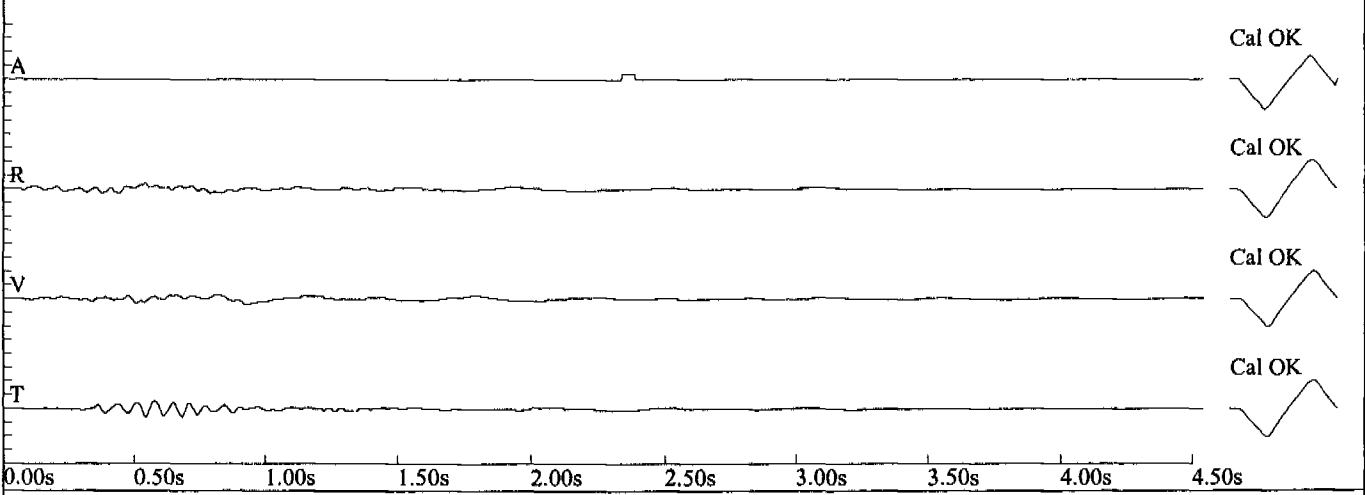
Fourier Analysis (Amplitude Spectrum - Box Window)



Kentucky Sumner

File: 608@@144.DTA Event Number: 144 Date: 9/24/01 Time: 13:53
 Acoustic Trigger: 120 dB Seismic Trigger: 0.02in/s 0.508mm/s Serial Number: 809

Amplitudes and Frequencies	Graph Information
Acoustic (A): 100 dB @ 0.0 Hz (0.02Mb 0.0003psi 0.0020kPa) Radial (R): 0.02in/s 0.508mm/s @ 4.0Hz Vertical (V): 0.02in/s 0.508mm/s @ 4.1Hz Transverse (T): 0.03in/s 0.762mm/s @ 14.6Hz	Duration: 0.000 sec To: 4.500 sec Acoustic Scale: 120dB 0.20Mb (0.050Mb/div) Seismic Scale: 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div) Time Lines at: 0.50 sec intervals



Kentucky Sumner

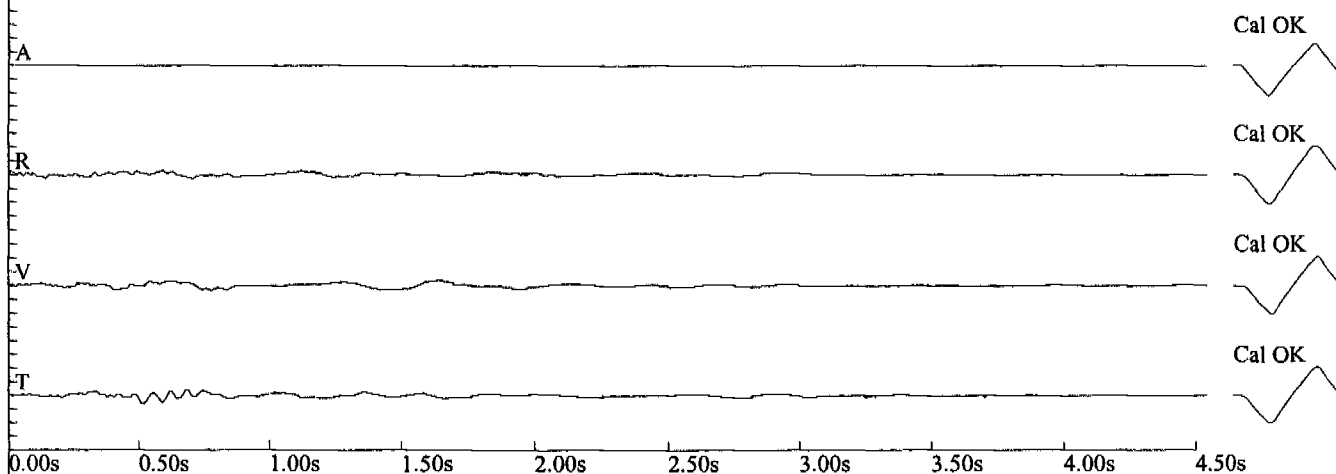
File: 608@@@145.DTA Event Number: 145 Date: 9/25/01 Time: 12:37
 Acoustic Trigger: 120 dB Seismic Trigger: 0.02in/s 0.508mm/s Serial Number: 809

Amplitudes and Frequencies

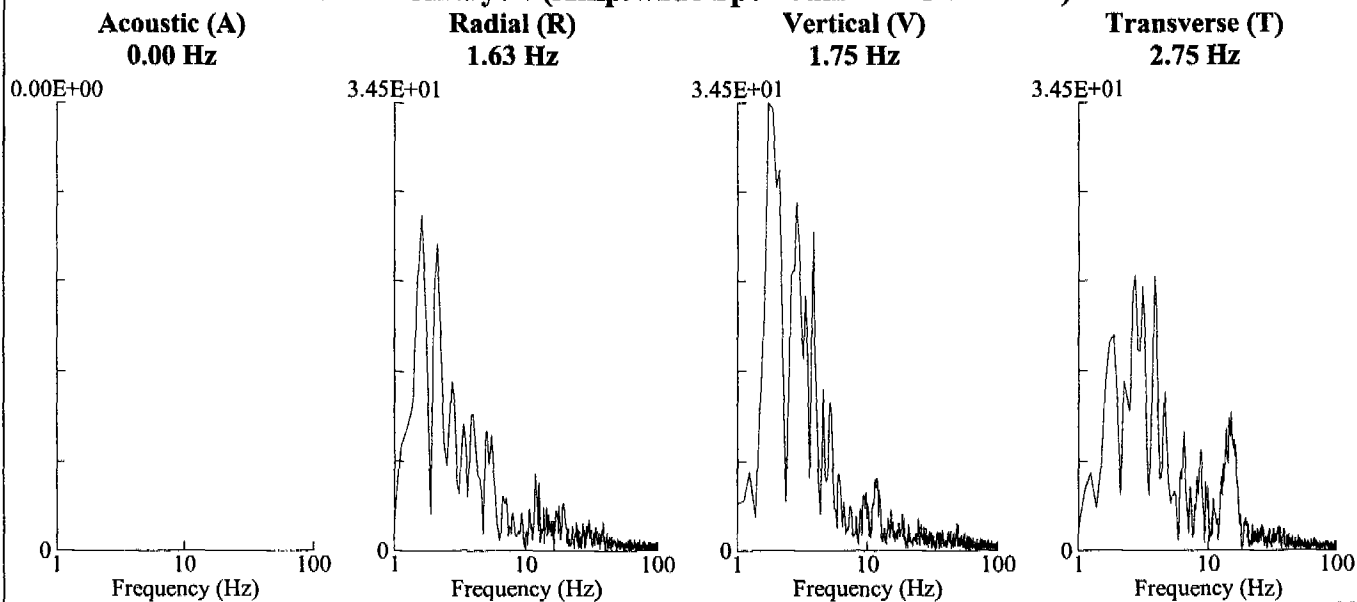
Acoustic (A): <100 dB
Radial (R): 0.015in/s 0.381mm/s @ 6.8Hz
Vertical (V): 0.02in/s 0.508mm/s @ 2.8Hz
Transverse (T): 0.03in/s 0.762mm/s @ 11.6Hz

Graph Information

Duration: 0.000 sec To: 4.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 0.50 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



Kentucky Summer

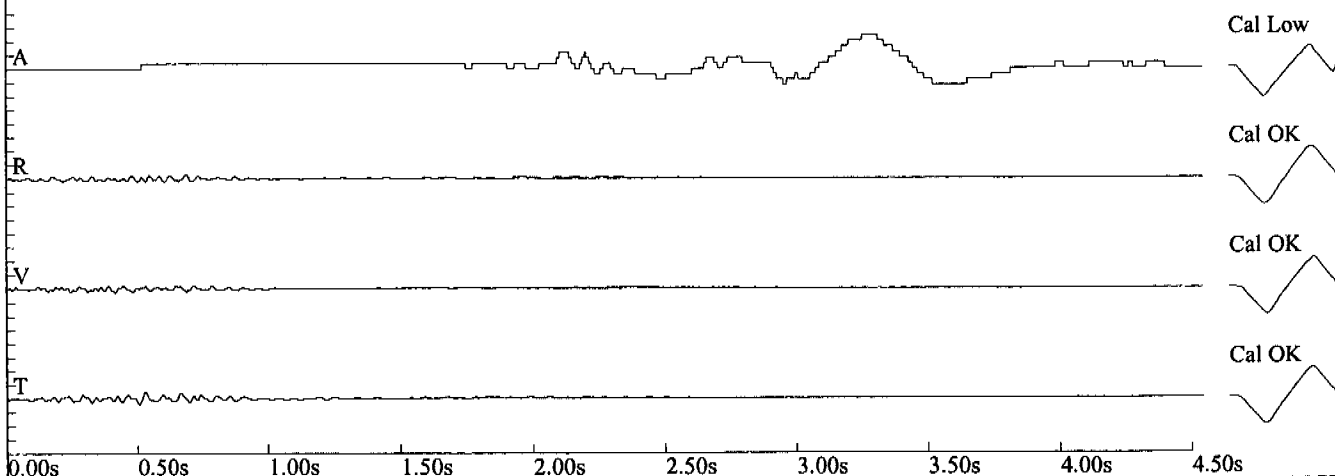
File: 608@@@146.DTA Event Number: 146 Date: 9/25/01 Time: 15:44
Acoustic Trigger: 120 dB Seismic Trigger: 0.02in/s 0.508mm/s Serial Number: 809

Amplitudes and Frequencies

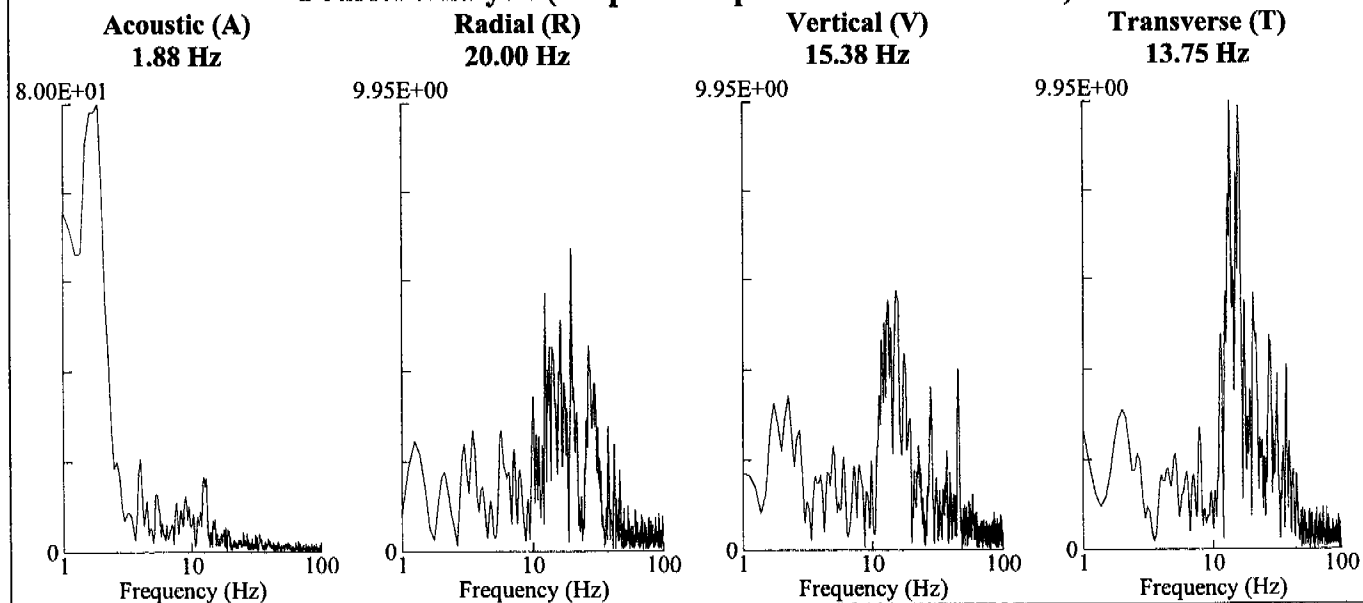
Acoustic (A): 116 dB @ 1.5 Hz
(0.12Mb 0.0017psi 0.0120kPa)
Radial (R): 0.015in/s 0.381mm/s @ 34.1Hz
Vertical (V): 0.01in/s 0.254mm/s @ 0.0Hz
Transverse (T): 0.025in/s 0.635mm/s @ 23.2Hz

Graph Information

Duration: 0.000 sec To: 4.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 0.50 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



Kentucky Hurley

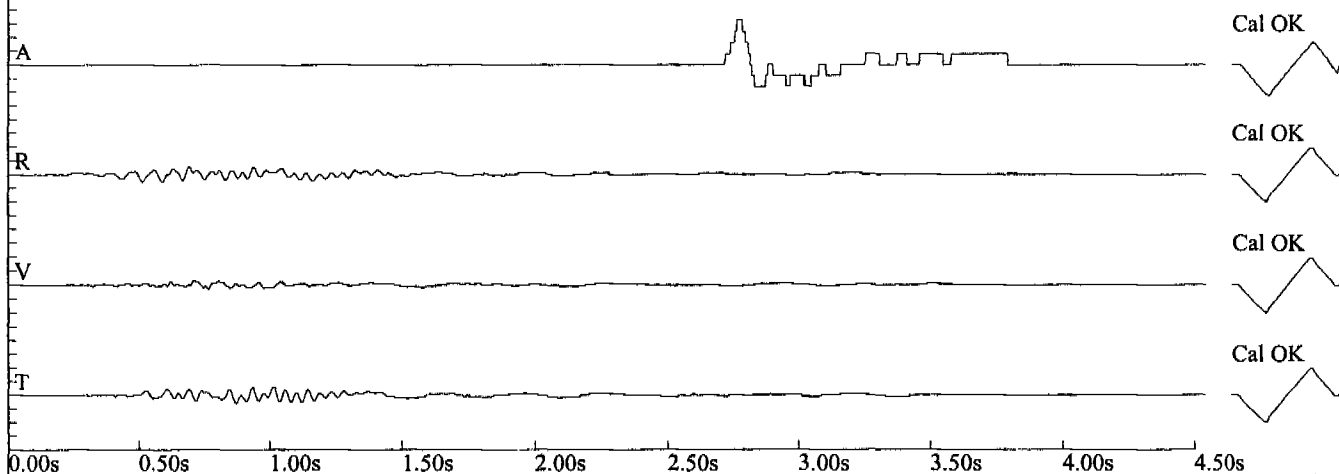
File: 813@@065.DTA Event Number: 065 Date: 9/21/01 Time: 15:20
 Acoustic Trigger: 120 dB Seismic Trigger: 0.02in/s 0.508mm/s Serial Number: 813

Amplitudes and Frequencies

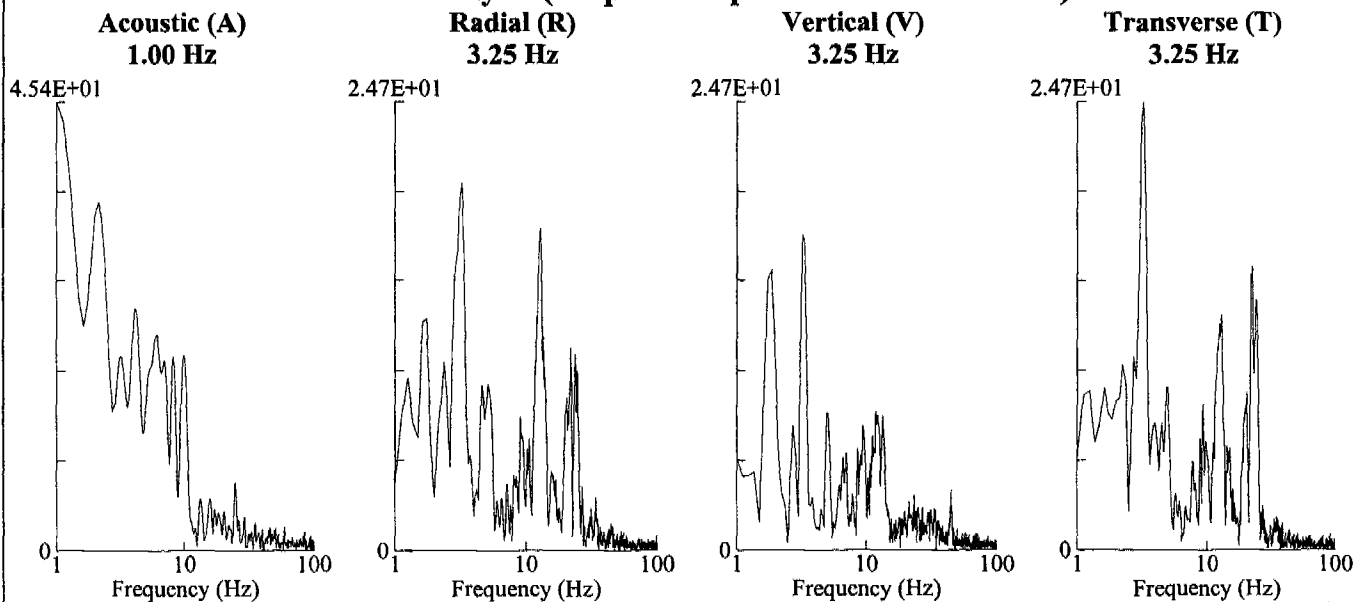
Acoustic (A): 118 dB @ 6.7 Hz
 (0.16Mb 0.0023psi 0.0160kPa)
Radial (R): 0.03in/s 0.762mm/s @ 9.4Hz
Vertical (V): 0.015in/s 0.381mm/s @ 34.1Hz
Transverse (T): 0.03in/s 0.762mm/s @ 23.2Hz

Graph Information

Duration: 0.000 sec To: 4.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 0.50 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



Kentucky Hurley

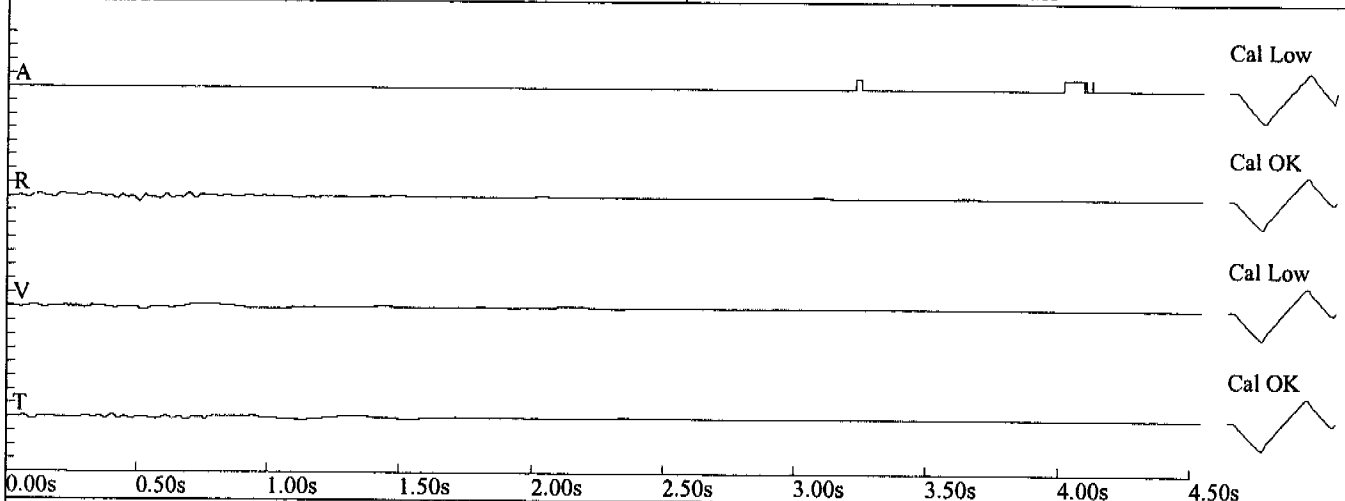
File: 813@@@066.DTA Event Number: 066 Date: 9/22/01 Time: 11:43
Acoustic Trigger: 120 dB Seismic Trigger: 0.02in/s 0.508mm/s Serial Number: 813

Amplitudes and Frequencies

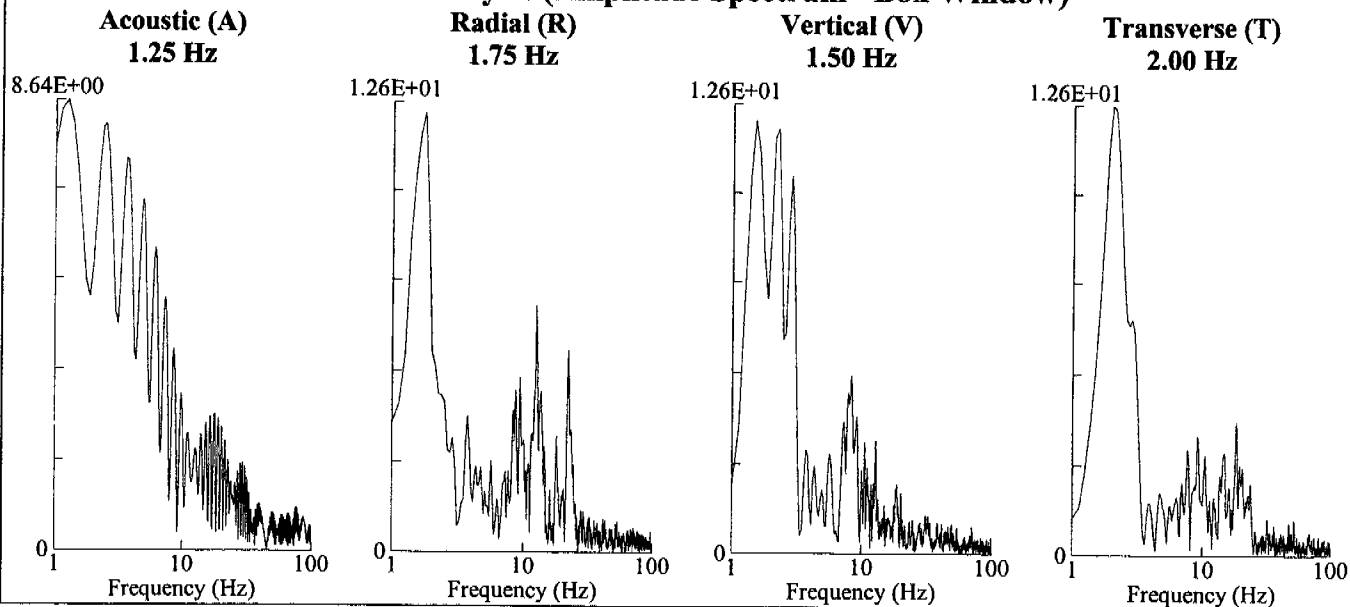
Acoustic (A): 106 dB @ 0.0 Hz
(0.04Mb 0.0006psi 0.0040kPa)
Radial (R): 0.02in/s 0.508mm/s @ 16.5Hz
Vertical (V): 0.01in/s 0.254mm/s @ 0.0Hz
Transverse (T): 0.01in/s 0.254mm/s @ 0.0Hz

Graph Information

Duration: 0.000 sec To: 4.500 sec
Acoustic Scale:
120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 0.50 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)

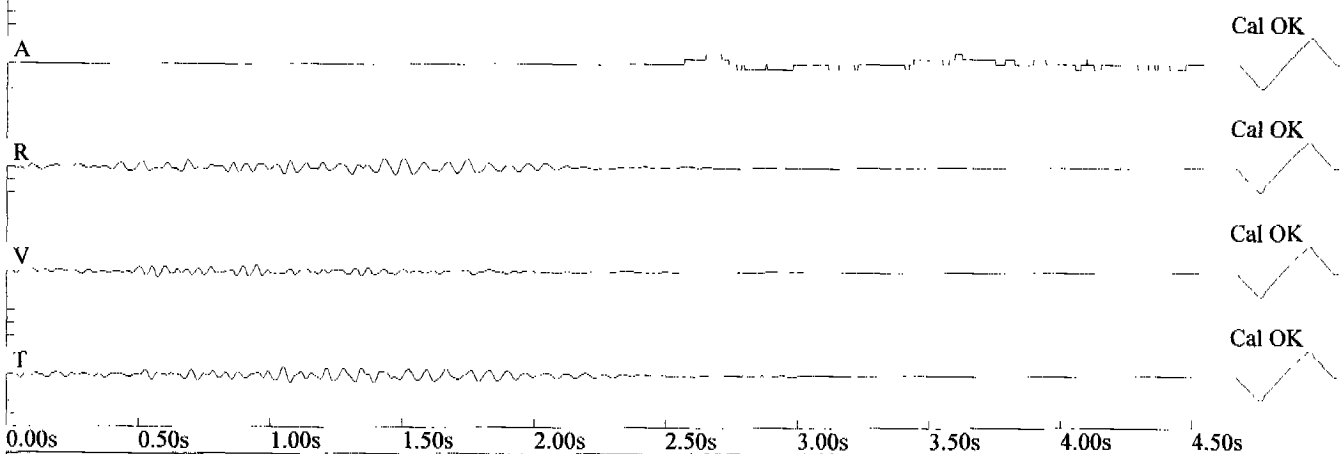


WINTER 2001

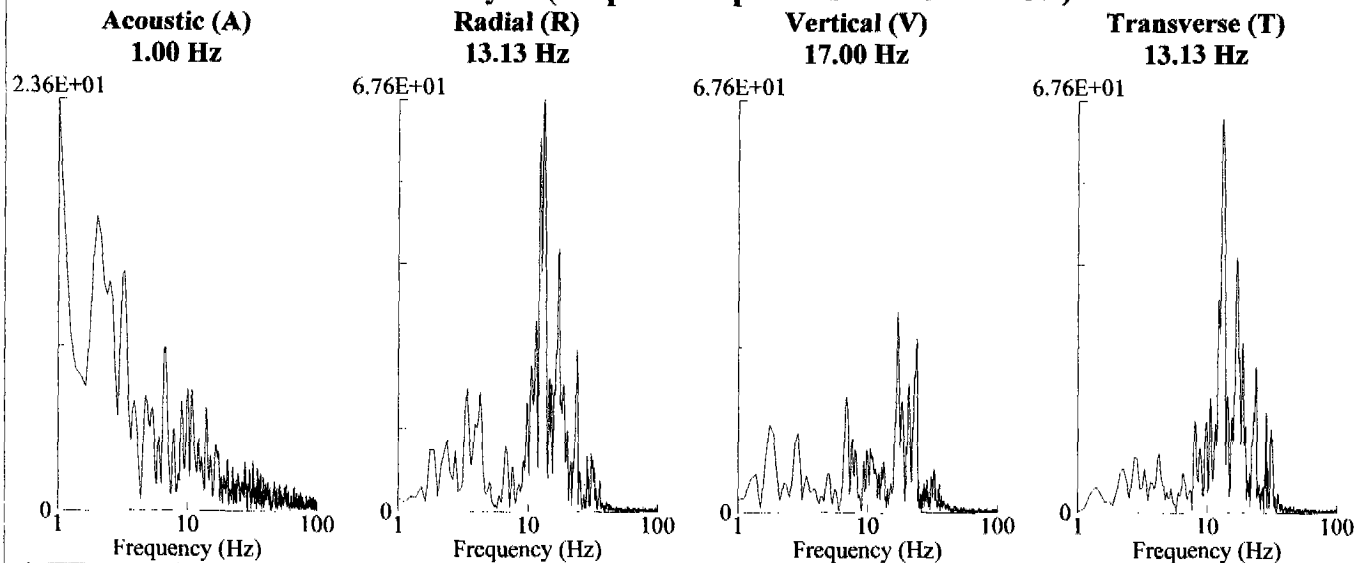
Dean Jr. Well - surface transducer

File: 01769224.DTB Event Number: 224 Date: 12/04/2001 Time: 16:44
 Acoustic Trigger: 142 dB Seismic Trigger: 0.02in/s 0.508mm/s Serial Number: 1769

Amplitudes and Frequencies	Graph Information
Acoustic (A): 106 dB @ 0.0 Hz (0.04Mb 0.0006psi 0.0040kPa) Radial (R): 0.0325in/s 0.8255mm/s @ 13.4Hz Vertical (V): 0.025in/s 0.635mm/s @ 19.6Hz Transverse (T): 0.0325in/s 0.8255mm/s @ 18.9Hz Calibration Date (yyyy/mm/dd): 2000/09/22	Duration: 0.000 sec To: 4.500 sec Acoustic Scale: 120dB 0.20Mb (0.050Mb/div) Seismic Scale: 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div) Time Lines at: 0.50 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



Dean Jr. Well - surface transducer

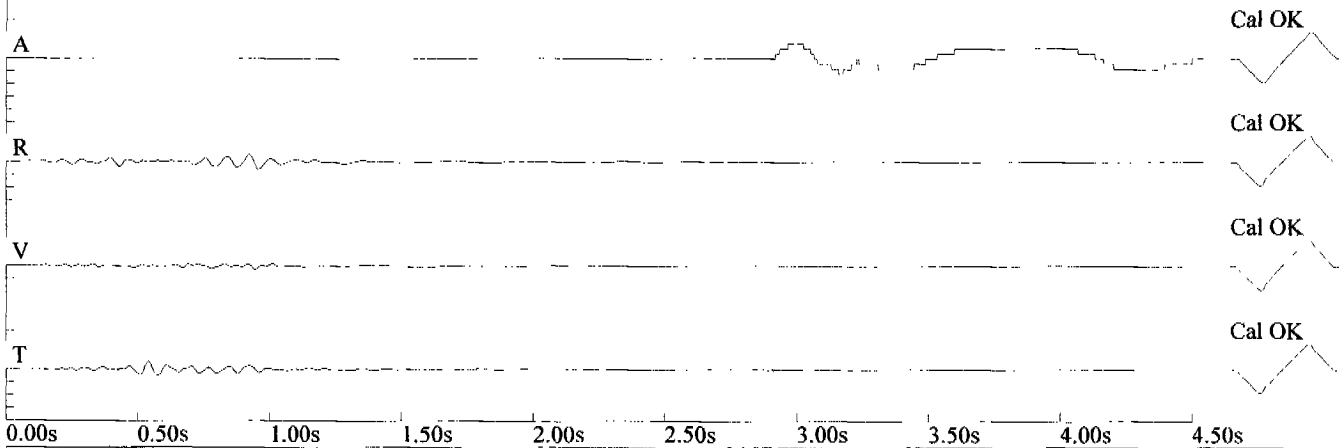
File: 01769229.DTB Event Number: 229 Date: 12/05/2001 Time: 16:46
 Acoustic Trigger: 142 dB Seismic Trigger: 0.02in/s 0.508mm/s Serial Number: 1769

Amplitudes and Frequencies

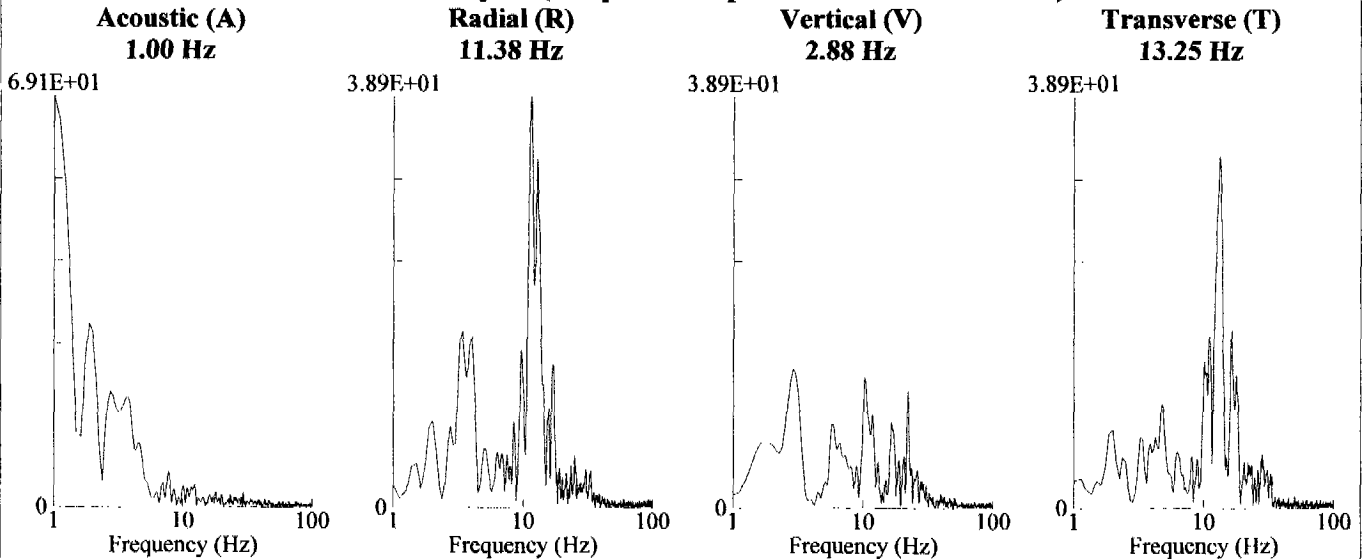
Acoustic (A): 110 dB @ 3.8 Hz
 (0.06Mb 0.0009psi 0.0060kPa)
Radial (R): 0.03in/s 0.762mm/s @ 12.1Hz
Vertical (V): 0.0125in/s 0.3175mm/s @ 17.0Hz
Transverse (T): 0.0325in/s 0.8255mm/s @ 15.5Hz
 Calibration Date (yyyy/mm/dd): 2000/09/22

Graph Information

Duration: 0.000 sec To: 4.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 0.50 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)



Dean Jr. Well - surface transducer

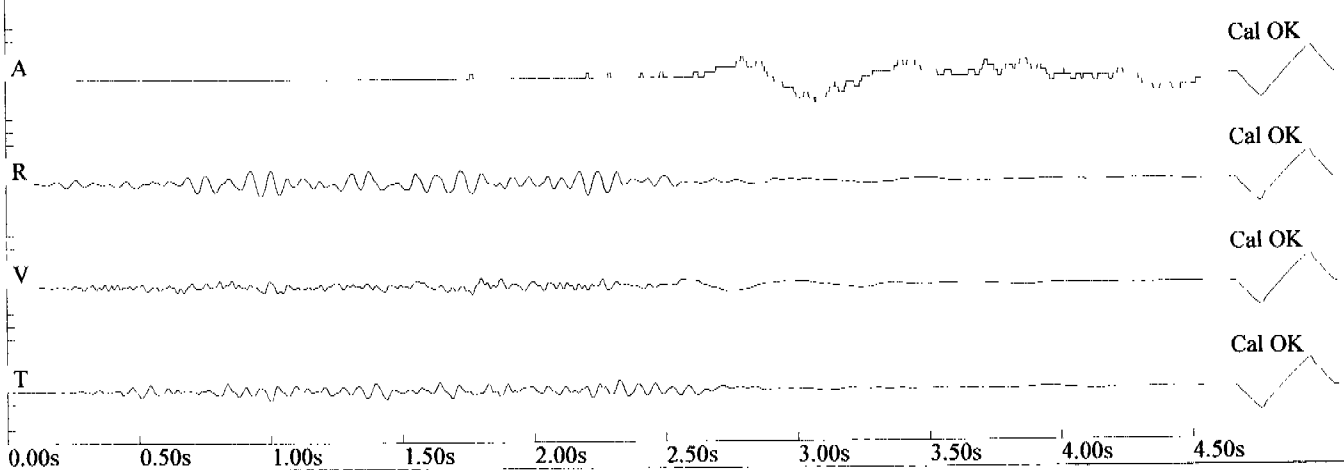
File: 01769230.DTB Event Number: 230 Date: 12/05/2001 Time: 16:50
 Acoustic Trigger: 142 dB Seismic Trigger: 0.02in/s 0.508mm/s Serial Number: 1769

Amplitudes and Frequencies

Acoustic (A): 114 dB @ 1.6 Hz
 (0.10Mb 0.0015psi 0.0100kPa)
Radial (R): 0.0525in/s 1.3335mm/s @ 16.0Hz
Vertical (V): 0.0325in/s 0.8255mm/s @ 10.0Hz
Transverse (T): 0.0375in/s 0.9525mm/s @ 14.6Hz
 Calibration Date (yyyy/mm/dd): 2000/09/22

Graph Information

Duration: 0.000 sec To: 4.500 sec
Acoustic Scale:
 120dB 0.20Mb (0.050Mb/div)
Seismic Scale:
 0.20in/s (0.050in/s/div) 5.08mm/s (1.270mm/s/div)
Time Lines at: 0.50 sec intervals



Fourier Analysis (Amplitude Spectrum - Box Window)

