

BlakeBrook

Blast Number: BLA 32
Location: Main Pit
Time: 13:05:00 PM
Date: 5/02/2018
Monitor Location: [REDACTED] Nimbin Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately from 800m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.51mm/s and that the blast over pressure was less than the trigger level of 110 dBL

Monitor Log - Minimate Blaster # BE12705 - Compliance

Start Time	End Time	Status
Feb 5, 2018 12:24:01		SERIAL NUMBER: BE12705 Start Monitoring Trigger Level: 0.510 mm/s
Feb 5, 2018 13:24:18	Feb 5, 2018 13:24:21	Event recorded: (KEYBEARS) Trigger Level: Long: 0.010 mm/s

2 logs in the list

Close Print

InstanTel Minimate Blaster Serial Number BE12705
next Calibration due April 10 2018

* Monitor log Shows No Event trigger at time of blast

Date/Time Long at 13:05:47 February 5, 2018
 Trigger Source Geo: 0.810 mm/s
 Range Geo: 254 mm/s
 Record Time 6.0 sec at 1024 sps
 Notes

Serial Number BE13456 V 10.72-1.1 Minimate Blaster
 Battery Level 6.3 Volts
 Unit Calibration June 1, 2017 by Saros Int.
 File Name _TEMP.EVT
 Post Event Notes
 Customer Site Blakebrook
 Blast ID BLA 32
 Monitor Location [REDACTED] Nimbin Rd
 Monitored By

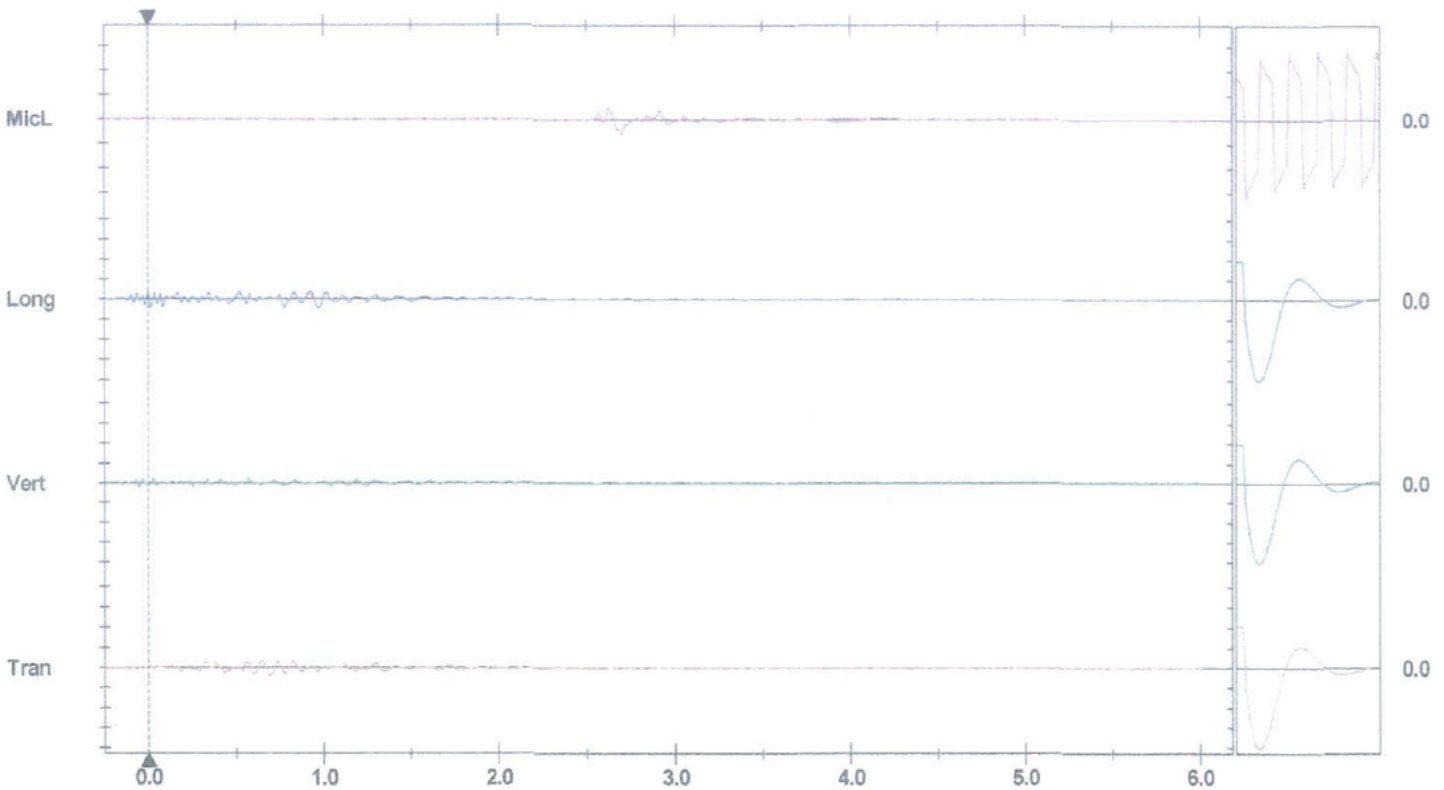
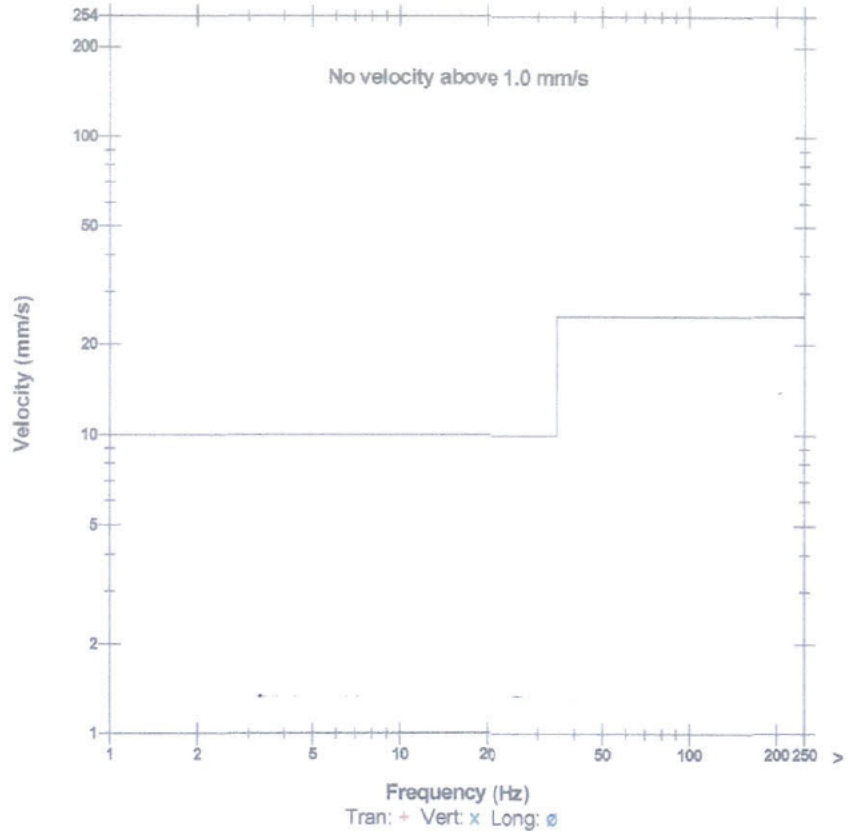
Extended Notes

Microphone Linear Weighting
 PSPL 109.5 dB(L) at 2.694 sec
 ZC Freq 5.0 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 546 mv)

	Tran	Vert	Long	
PPV	0.762	0.508	0.889	mm/s
ZC Freq	15	32	30	Hz
Time (Rel. to Trig)	0.601	0.027	0.019	sec
Peak Acceleration	0.0133	0.0265	0.0265	g
Peak Displacement	0.0127	0.00577	0.0134	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.1	7.4	7.3	Hz
Overswing Ratio	3.9	3.3	3.8	

Peak Vector Sum 1.10 mm/s at 0.776 sec

QLD APP Standard



Time Scale: 0.50 sec/div Amplitude Scale: Geo: 2.00 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Long at 13:05:47
 13:06:00 February 5, 2018
 Trigger Source Geo: 0.810 mm/s
 Range Geo: 254 mm/s
 Record Time 6.0 sec at 1024 sps
 Notes

Serial Number BE13371 V 10.72-1.1 Minimate Blaster
 Battery Level 6.0 Volts
 Unit Calibration June 1, 2017 by Saros Int.
 File Name _TEMP.EVT
 Post Event Notes
 Customer Site Blakebrook
 Blast ID BLA 32
 Monitor Location [Redacted] Boorie Creek RD
 Monitored By [Redacted]

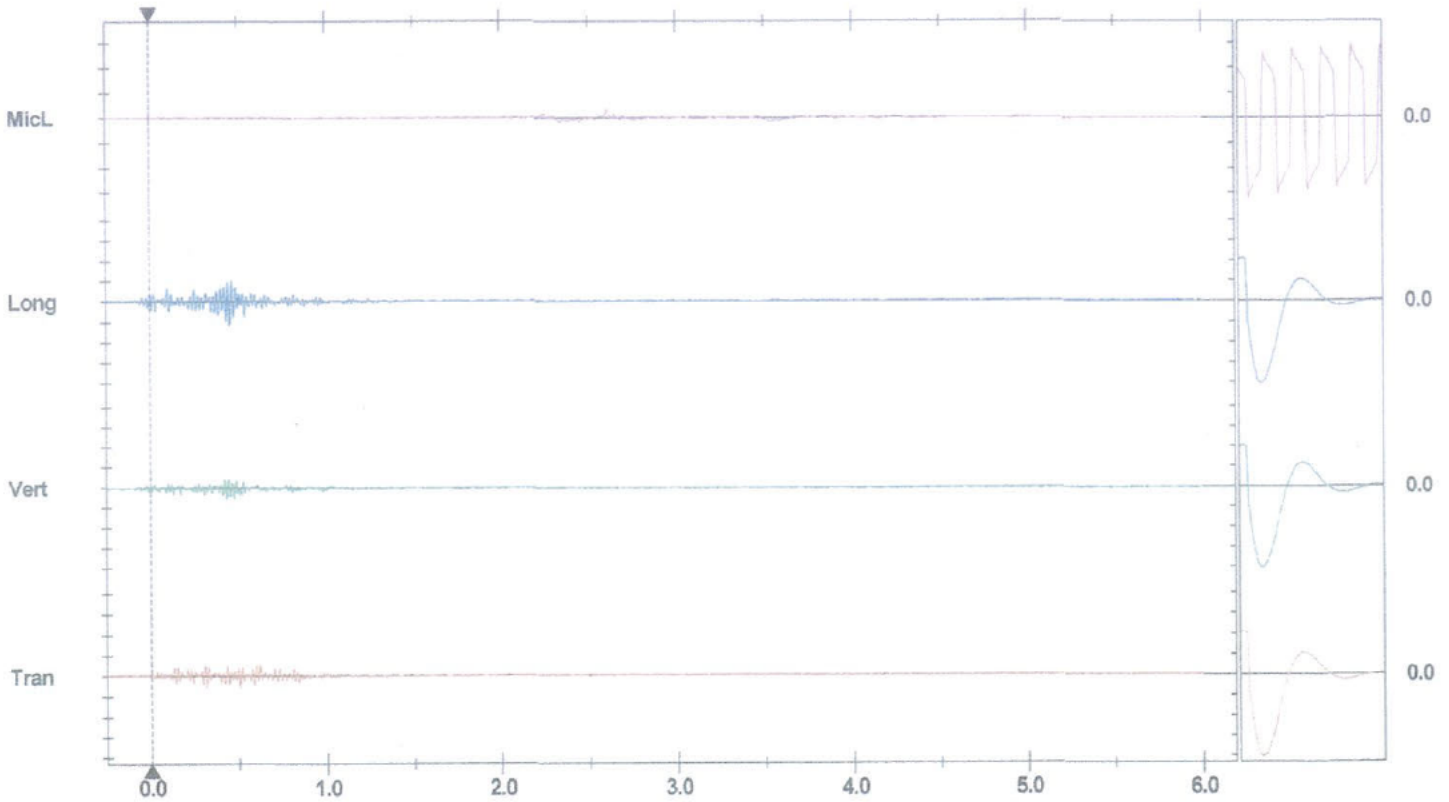
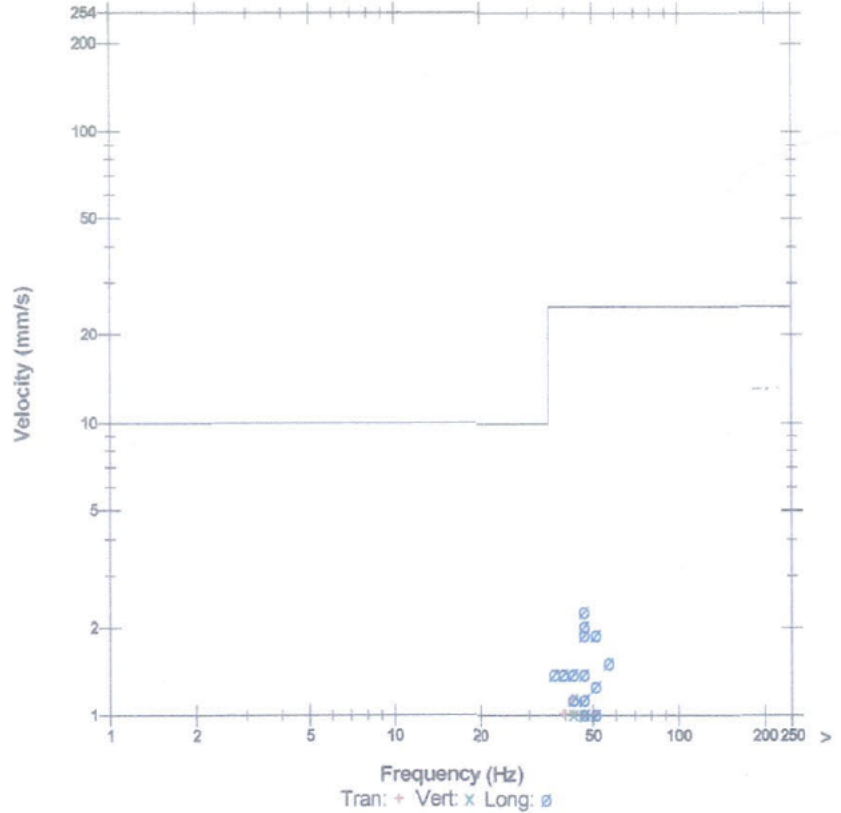
QLD APP Standard

Extended Notes

Microphone Linear Weighting
 PSPL 104.2 dB(L) at 2.607 sec
 ZC Freq 7.3 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 530 mv)

	Tran	Vert	Long	
PPV	1.14	1.02	2.29	mm/s
ZC Freq	43	47	47	Hz
Time (Rel. to Trig)	0.309	0.436	0.456	sec
Peak Acceleration	0.0398	0.0398	0.0663	g
Peak Displacement	0.00434	0.00384	0.00812	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.4	7.5	7.5	Hz
Overswing Ratio	3.9	3.6	3.9	

Peak Vector Sum 2.50 mm/s at 0.458 sec



Time Scale: 0.50 sec/div Amplitude Scale: Geo: 2.00 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger = <--->

Sensor Check

Date/Time Tran at 14:27:41 April 9, 2018
 Trigger Source Geo: 0.810 mm/s
 Range Geo: 254.0 mm/s
 Record Time 6.0 sec at 1024 sps

Serial Number BE12705 V 10.72-1.1 Minimate Blaster
 Battery Level 6.1 Volts
 Unit Calibration April 10, 2017 by Saros (Int)
 File Name N705HD2Y.U50

Notes

Post Event Notes
 NRQA Blakebrook BLA 33
 [Redacted] Nimbin Road

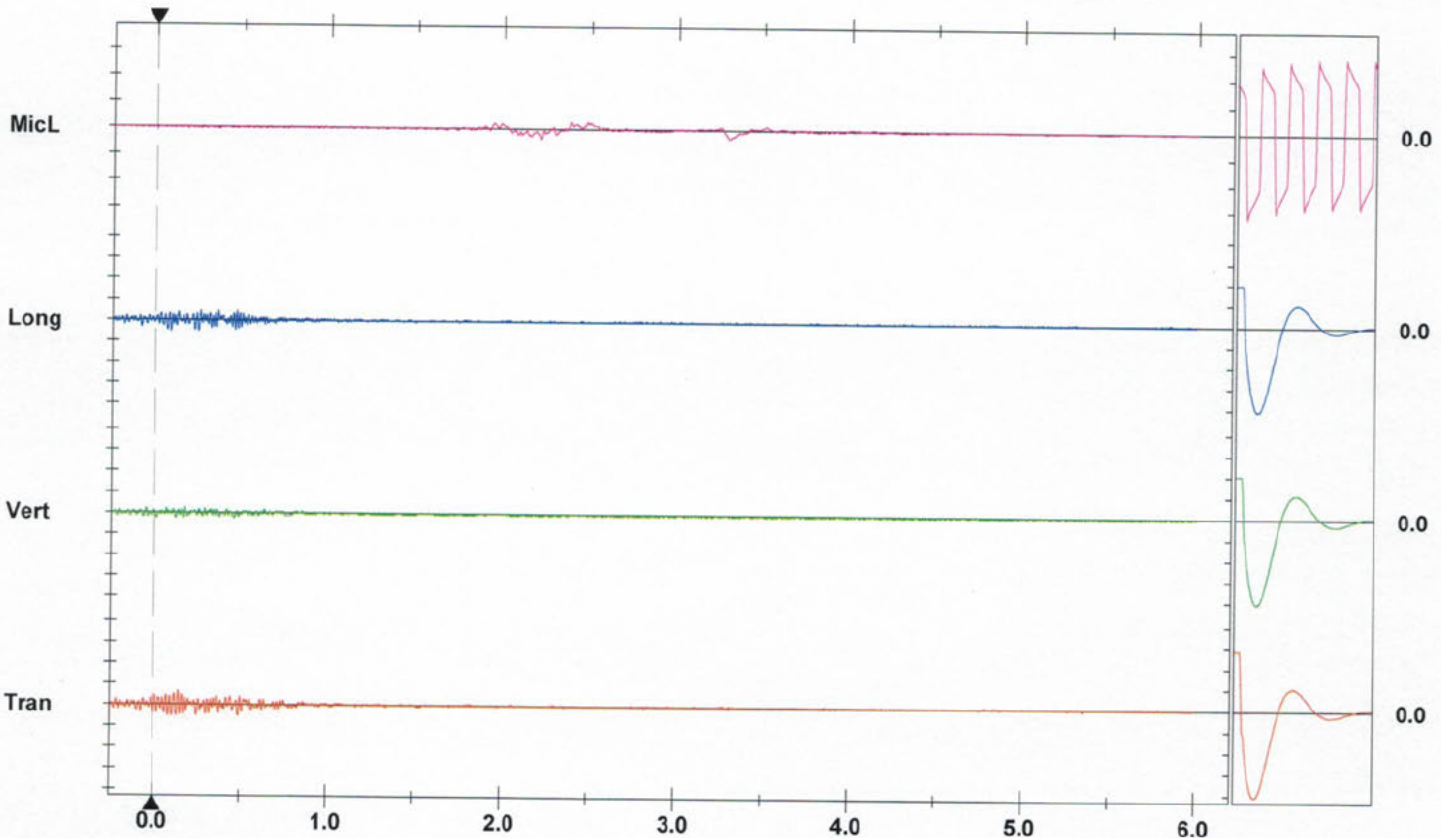
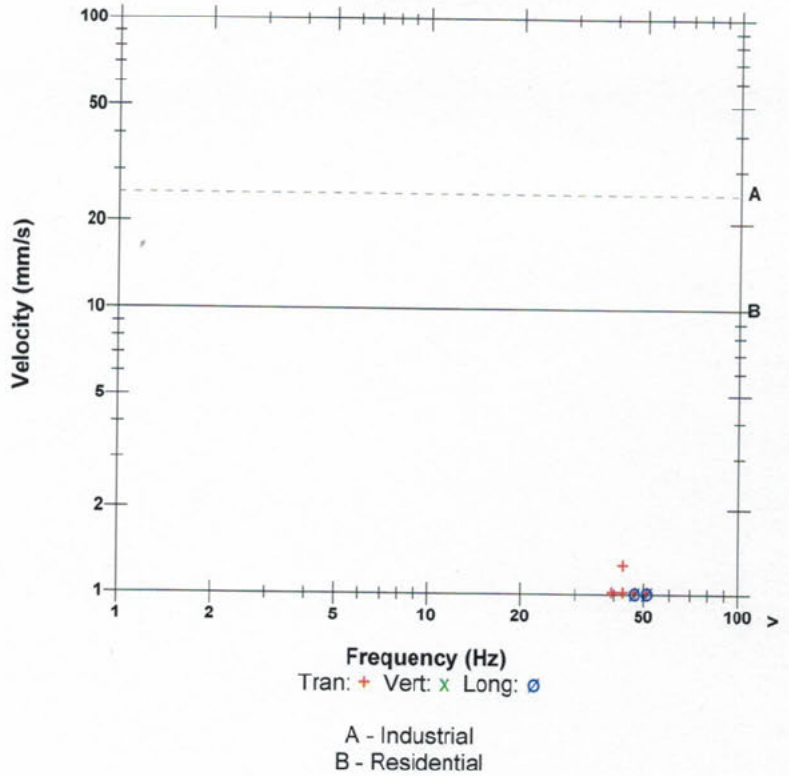
Extended Notes

Microphone Linear Weighting
 PSPL 105.5 dB(L) at 2.213 sec
 ZC Freq 2.6 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 475 mv)

	Tran	Vert	Long	
PPV	1.270	0.508	1.016	mm/s
ZC Freq	43	39	51	Hz
Time (Rel. to Trig)	0.146	0.012	0.089	sec
Peak Acceleration	0.040	0.027	0.040	g
Peak Displacement	0.005	0.004	0.004	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.4	7.3	Hz
Overswing Ratio	3.8	3.6	3.8	

Peak Vector Sum 1.442 mm/s at 0.089 sec

Australia 2187.2-1993



Time Scale: 0.50 sec/div Amplitude Scale: Geo: 2.000 mm/s/div Mic: 10.000 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Long at 14:27:43 April 9, 2018
 Trigger Source Geo: 0.810 mm/s
 Range Geo: 254.0 mm/s
 Record Time 6.0 sec at 1024 sps

Serial Number BE13456 V 10.72-1.1 Minimate Blaster
 Battery Level 6.1 Volts
 Unit Calibration June 1, 2017 by Saros Int.
 File Name O456HD2Y.U70

Notes

Post Event Notes
 NRQA Blakebrook BLA 33
 [REDACTED] Boorie Creek Road

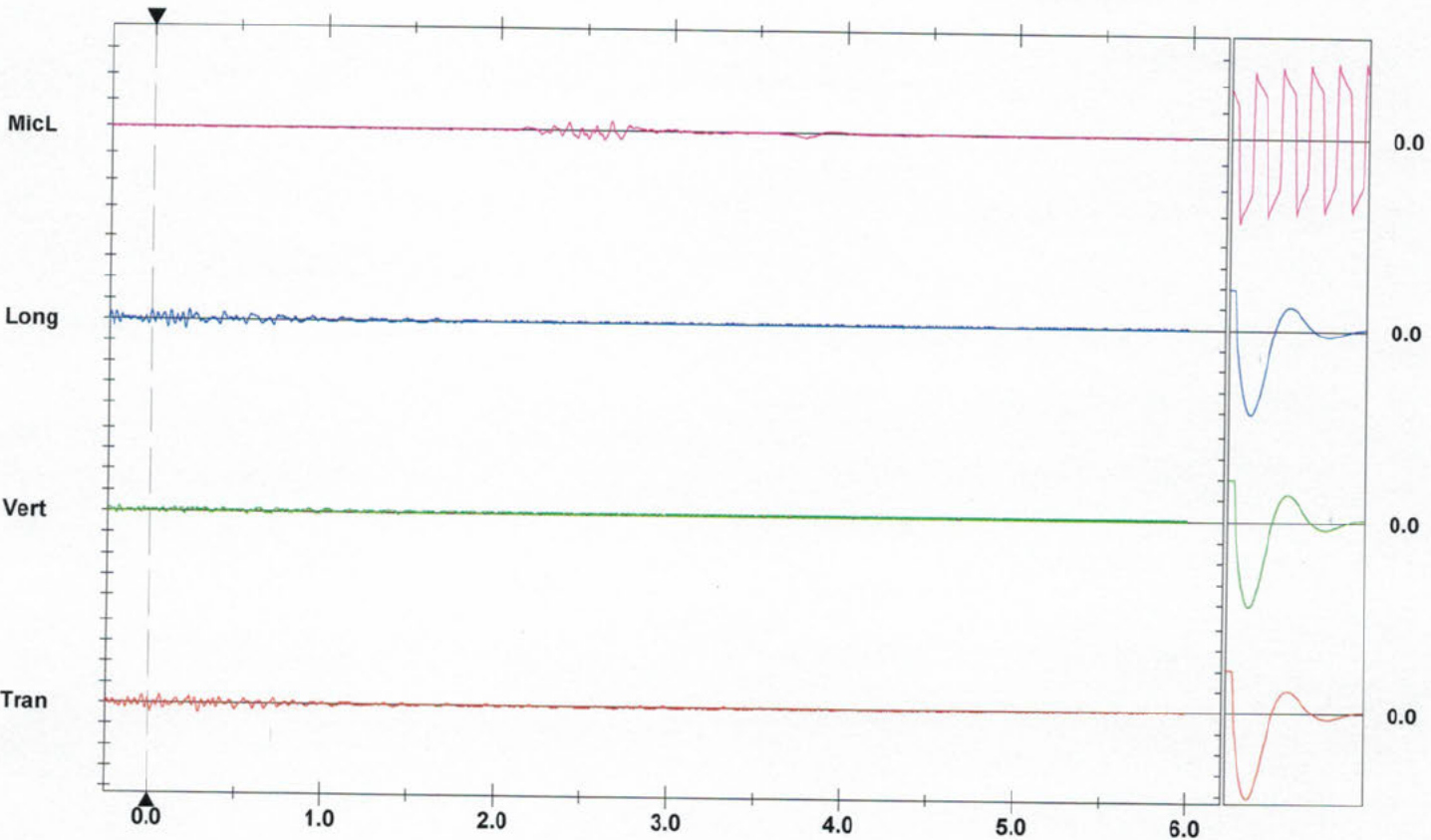
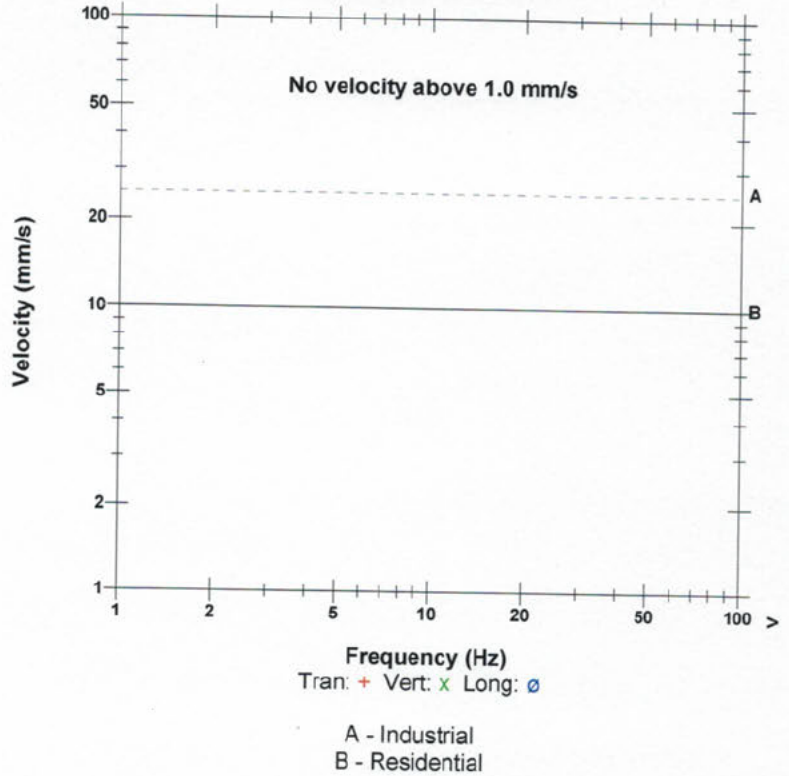
Extended Notes

Microphone Linear Weighting
 PSPL 104.9 dB(L) at 2.640 sec
 ZC Freq 18 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 592 mv)

	Tran	Vert	Long	
PPV	0.889	0.381	0.889	mm/s
ZC Freq	22	37	32	Hz
Time (Rel. to Trig)	0.015	-0.182	0.196	sec
Peak Acceleration	0.027	0.013	0.027	g
Peak Displacement	0.006	0.003	0.009	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.1	7.4	7.2	Hz
Overswing Ratio	3.9	3.2	3.7	

Peak Vector Sum 0.933 mm/s at 0.196 sec

Australia 2187.2-1993



Time Scale: 0.50 sec/div Amplitude Scale: Geo: 2.000 mm/s/div Mic: 10.000 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Vert at 14:38:21 June 12, 2018
Trigger Source Geo: 0.810 mm/s, Mic: 110.0 dB(L)
Range Geo: 254.0 mm/s
Record Time 6.0 sec at 1024 sps

Serial Number BE13456 V 10.72-1.1 Minimate Blaster
Battery Level 6.1 Volts
Unit Calibration May 3, 2018 by Saros (Int)
File Name O456HGDH.ZX0

Notes

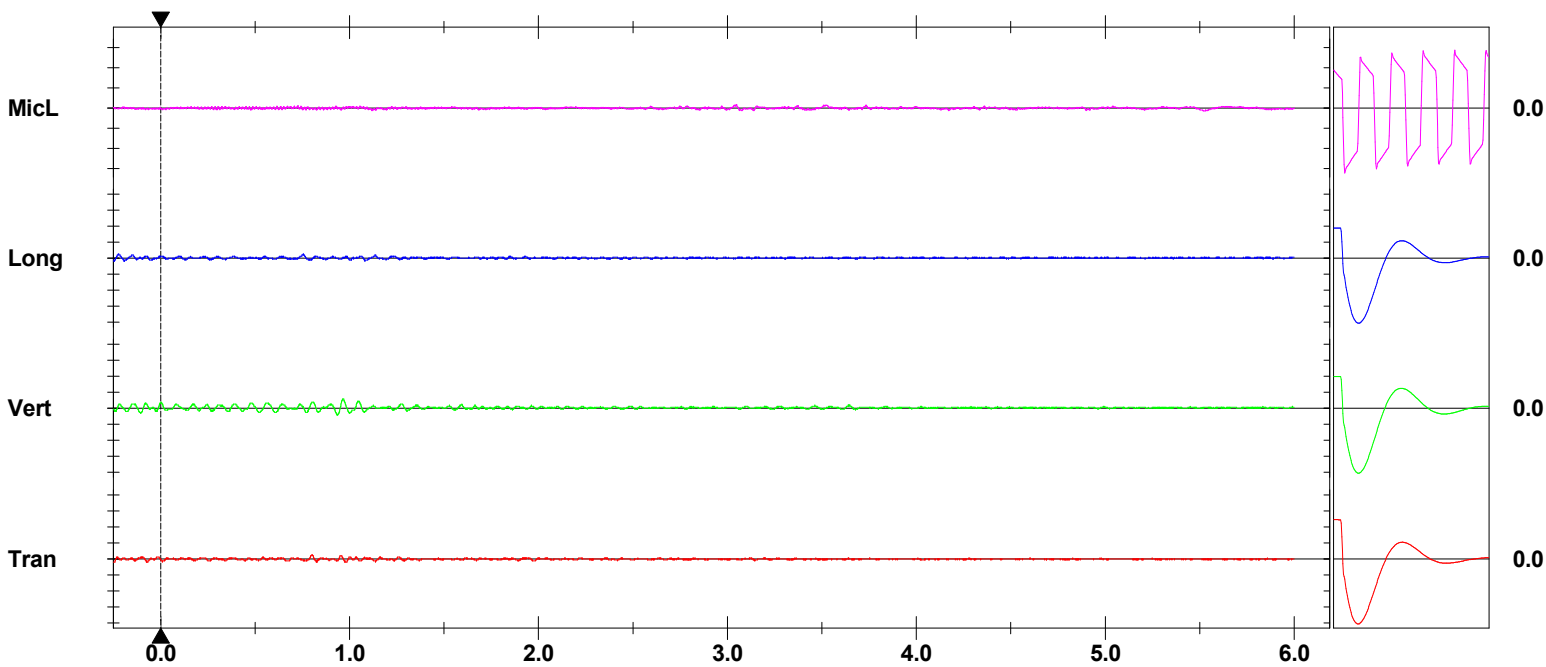
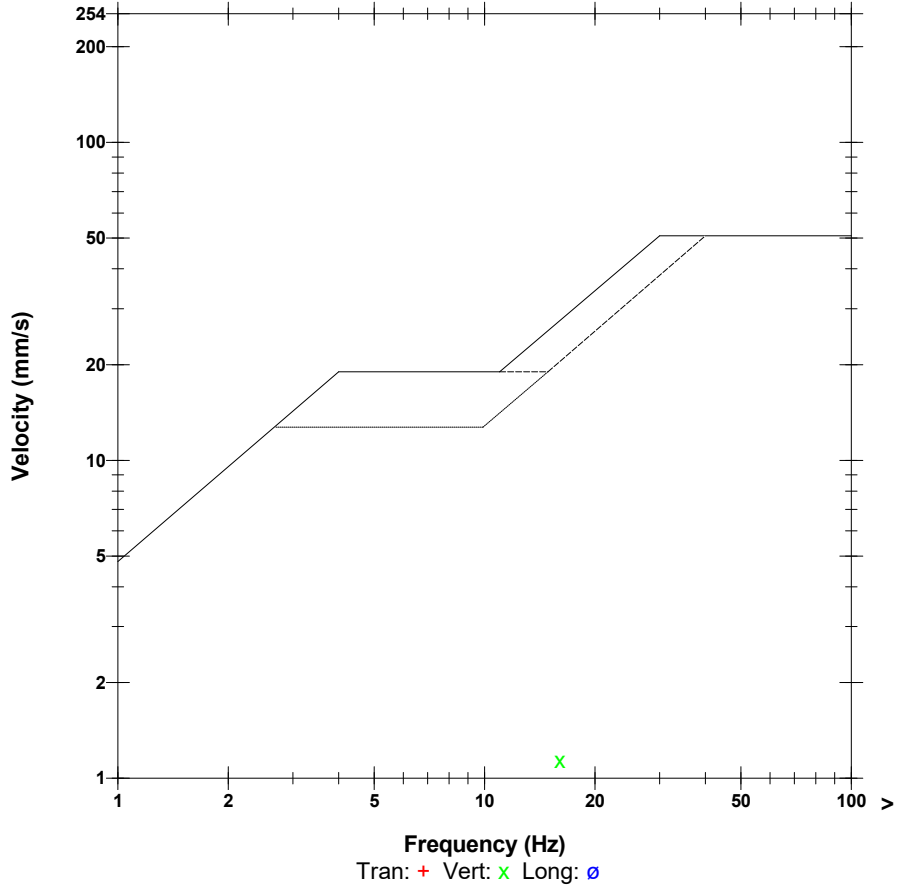
Post Event Notes
 NRQA BLA 34 Bottom Shot
 [Redacted] Nimbin Road
 [Redacted]

Microphone Linear Weighting
PSPL 98.8 dB(L) at 3.047 sec
ZC Freq 18 Hz
Channel Test Passed (Freq = 20.1 Hz Amp = 592 mv)

	Tran	Vert	Long	
PPV	0.508	1.143	0.508	mm/s
ZC Freq	26	16	21	Hz
Time (Rel. to Trig)	0.800	0.962	-0.225	sec
Peak Acceleration	0.013	0.027	0.013	g
Peak Displacement	0.003	0.012	0.005	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.5	7.3	Hz
Overswing Ratio	3.9	3.3	3.8	

Peak Vector Sum 1.157 mm/s at 0.964 sec

USBM RI8507 And OSMRE



Time Scale: 0.50 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 10.000 pa.(L)/div
Trigger =

Sensor Check

NRQA Blake Brook BLA 34 Bottom Shot



Event Report: Monitor Log

Start Time	End Time	Status
-----	-----	SERIAL NUMBER: BE12705
Jun 12 /18 13:31:30		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Jun 12 /18 13:31:33	Jun 12 /18 13:31:39	Event recorded. Trigger Level Long: 0.810 mm/s
Jun 12 /18 13:31:39		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Jun 12 /18 14:18:11	Jun 12 /18 14:18:18	Event recorded. Trigger Level Long: 0.810 mm/s
Jun 12 /18 14:18:18		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Jun 12 /18 15:04:32	Jun 12 /18 15:04:35	Event recorded. (Keyboard Exit) Trigger Level Tran: 0.810 mm/s

Date/Time Long at 12:20:37 June 18, 2018
Trigger Source Geo: 0.810 mm/s
Range Geo: 254.0 mm/s
Record Time 6.0 sec at 1024 sps

Serial Number BE12705 V 10.72-1.1 Minimate Blaster
Battery Level 6.0 Volts
Unit Calibration May 30, 2018 by Saros Int.
File Name N705HGOF.MD0

Notes

Post Event Notes
 NRQA BLA 34 Top Shot
 [Redacted] Nimbin Road
 [Redacted]

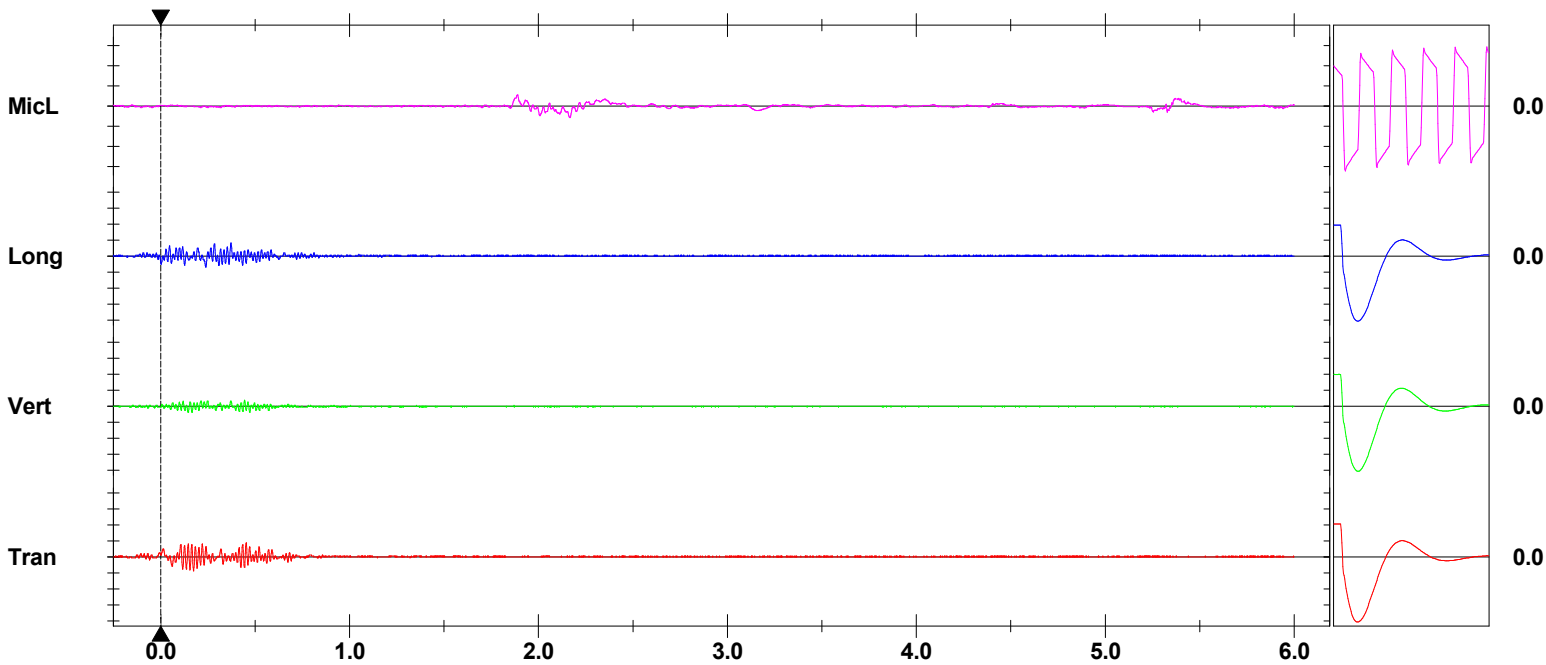
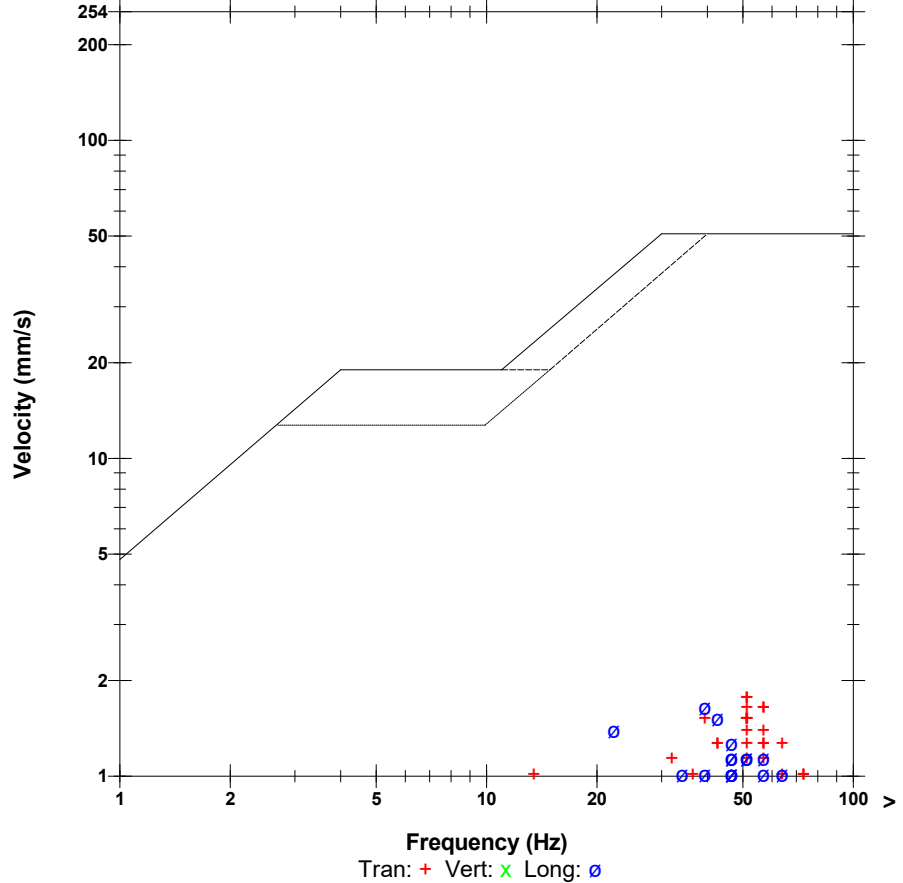
Extended Notes

Microphone Linear Weighting
PSPL 109.2 dB(L) at 2.164 sec
ZC Freq 6.3 Hz
Channel Test Passed (Freq = 20.1 Hz Amp = 558 mv)

	Tran	Vert	Long	
PPV	1.778	0.762	1.651	mm/s
ZC Freq	51	43	39	Hz
Time (Rel. to Trig)	0.175	0.145	0.371	sec
Peak Acceleration	0.066	0.027	0.040	g
Peak Displacement	0.010	0.003	0.008	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.4	7.3	Hz
Overswing Ratio	4.0	3.7	4.1	

Peak Vector Sum 2.052 mm/s at 0.452 sec

USBM RI8507 And OSMRE



Time Scale: 0.50 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 10.000 pa.(L)/div
Trigger =

Sensor Check

Date/Time Tran at 12:20:38 June 18, 2018
Trigger Source Geo: 0.810 mm/s
Range Geo: 254.0 mm/s
Record Time 6.0 sec at 1024 sps

Serial Number BE13456 V 10.72-1.1 Minimate Blaster
Battery Level 6.1 Volts
Unit Calibration May 3, 2018 by Saros (Int)
File Name O456HGOF.MEO

Notes

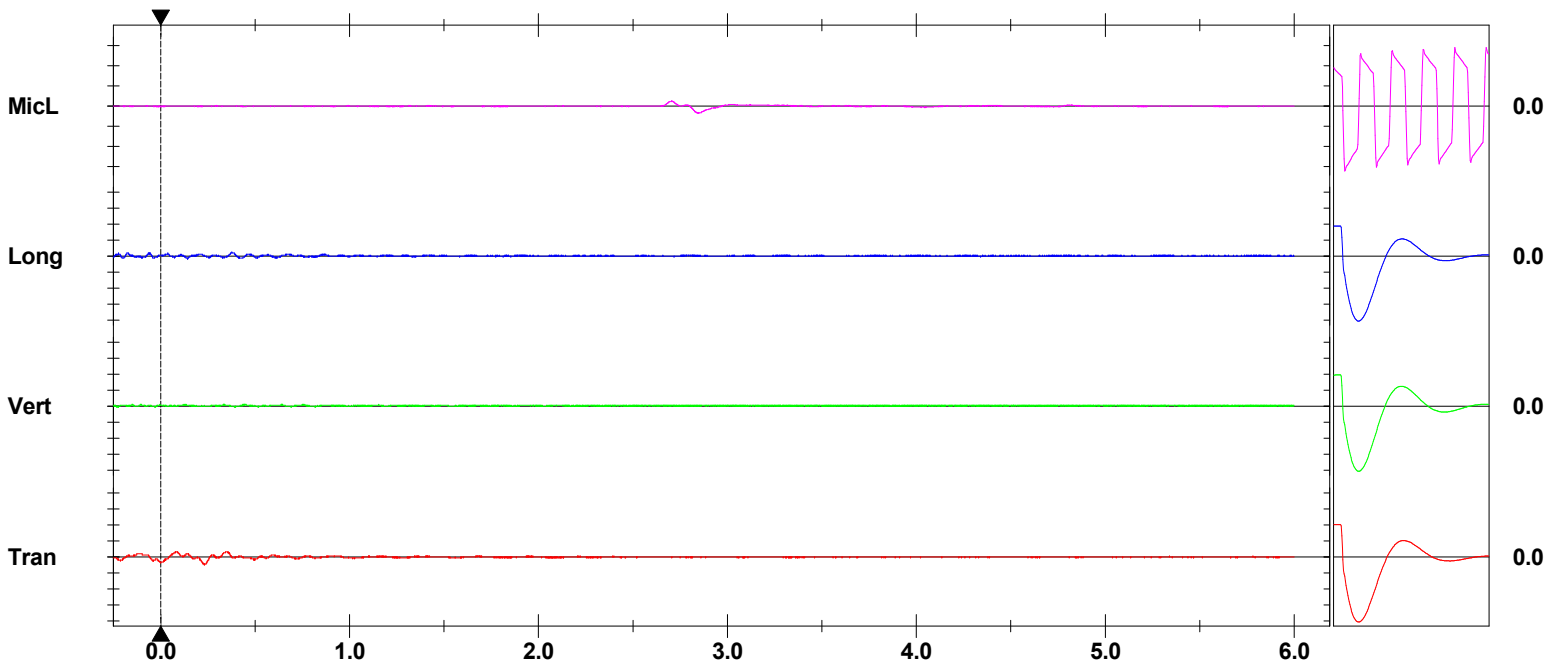
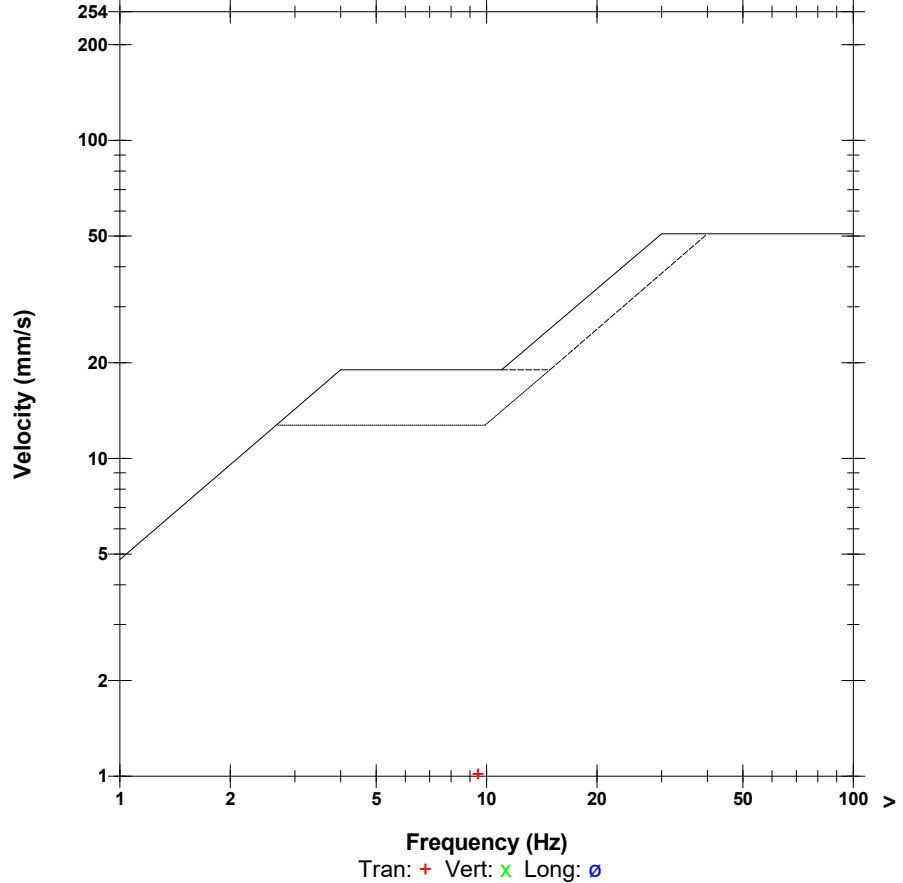
Post Event Notes
 NRQA BLA 34 Top Shot
 [Redacted] Boorie creek Road
 [Redacted]

Microphone Linear Weighting
PSPL 104.9 dB(L) at 2.841 sec
ZC Freq 3.3 Hz
Channel Test Passed (Freq = 20.1 Hz Amp = 630 mv)

	Tran	Vert	Long	
PPV	1.016	0.254	0.508	mm/s
ZC Freq	9.5	>100	15	Hz
Time (Rel. to Trig)	0.230	-0.151	0.377	sec
Peak Acceleration	0.013	0.013	0.027	g
Peak Displacement	0.019	0.001	0.006	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.1	7.4	7.3	Hz
Overswing Ratio	4.0	3.3	3.8	

Peak Vector Sum 1.032 mm/s at 0.230 sec

USBM RI8507 And OSMRE



Time Scale: 0.50 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 10.000 pa.(L)/div
Trigger =

Sensor Check

BlakeBrook

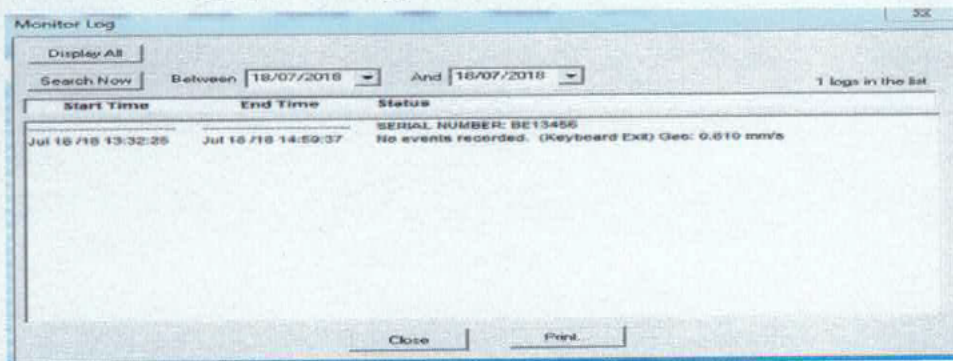
Blast Number: BLA 35
Location: Main Pit
Time: 14:41:00 PM
Date: 18/07/2018
Monitor Location: [REDACTED] Boorie Creek Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately from 450m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.51mm/s and that the blast over pressure was less than the trigger level of 110 dBL



The screenshot shows a 'Monitor Log' window with a search filter set to '18/07/2018'. The results table shows one log entry with a status of 'No events recorded. (Keyboard Exr) Geo: 0.610 mm/s'. The window includes buttons for 'Display All', 'Search Now', 'Close', and 'Print'.

Start Time	End Time	Status
Jul 18 /18 13:32:25	Jul 18 /18 14:59:37	SERIAL NUMBER: BE13456 No events recorded. (Keyboard Exr) Geo: 0.610 mm/s

InstanTel Minimate Blaster Serial Number BE13456
next Calibration due 8-May-19

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

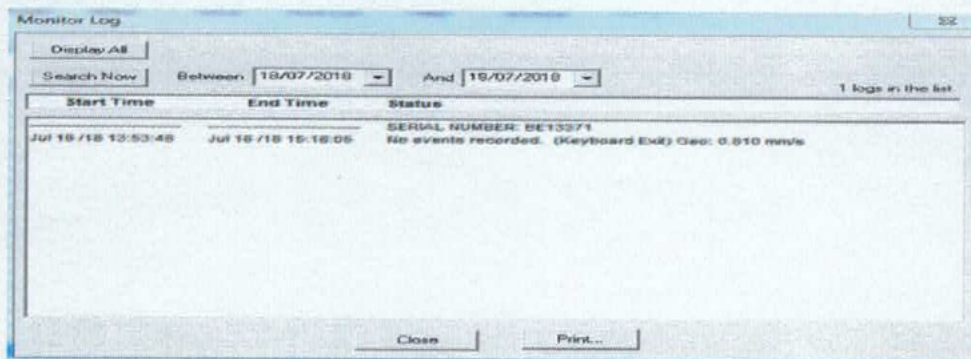
Blast Number: BLA 35
Location: Main Pit
Time: 14:41:00 PM
Date: 18/07/2018
Monitor Location: [REDACTED] Nimbin RD
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately from 800m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.51mm/s and that the blast over pressure was less than the trigger level of 110 dBL



Instantel Minimate Blaster Serial Number. BE13371
next Calibration due 20-Jun-19

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 36
Location: Main Pit
Time: 14.58
Date: 12/09/2018
Monitor Location: [REDACTED] Boorie Creek Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately from 450m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.51mm/s and that the blast over pressure was less less than the trigger level of 110 dBL

Monitor Log X

Between And 1 logs in the list

Start Time	End Time	Status
Sep 12 /18 14:31:52	Sep 12 /18 15:12:47	SERIAL NUMBER: BE13456 No events recorded (Keyboard Exit) Geo: 0.510 mm/s

Instanтел Minimate Blaster Serial Number BE13456
next Calibration due 8-May-19

* Monitor log Shows No Event trigger at time of blast

Blakebrook

Blast Number: BLA 36
Location: Main Pit
Time: 14.58
Date: 12/09/2018
Monitor Location: [REDACTED] Nimbin Road
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately 800m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.51mm/s and that the blast over pressure was less than the trigger level of 110 dBL

Monitor Log			SERIAL NUMBER: BE13371	
Start Time	End Time	Status		
Sep 12/18 14:47:50	Sep 12/18 14:57:34	No events recorded. (Keyboard Exit) Geo: 0.010 mm/s	1 logs in the list	

Close Print..

Instantel Minimate Blaster Serial Number BE13371
next Calibration due 20-Jun-19

* Monitor log Shows No Event trigger at time of blast