

Date/Time Long at 13:04:53 February 1, 2017
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 6.0 Volts
Unit Calibration May 6, 2015 by Saros (Int)
File Name O456GQUV.050
Post Event Notes
 Customer Site BlakeBrook
 Blast ID BLA 17
 Monitor Location MP#1 (484 nimbin RD)
 Monitored BY Lucas Flanagan

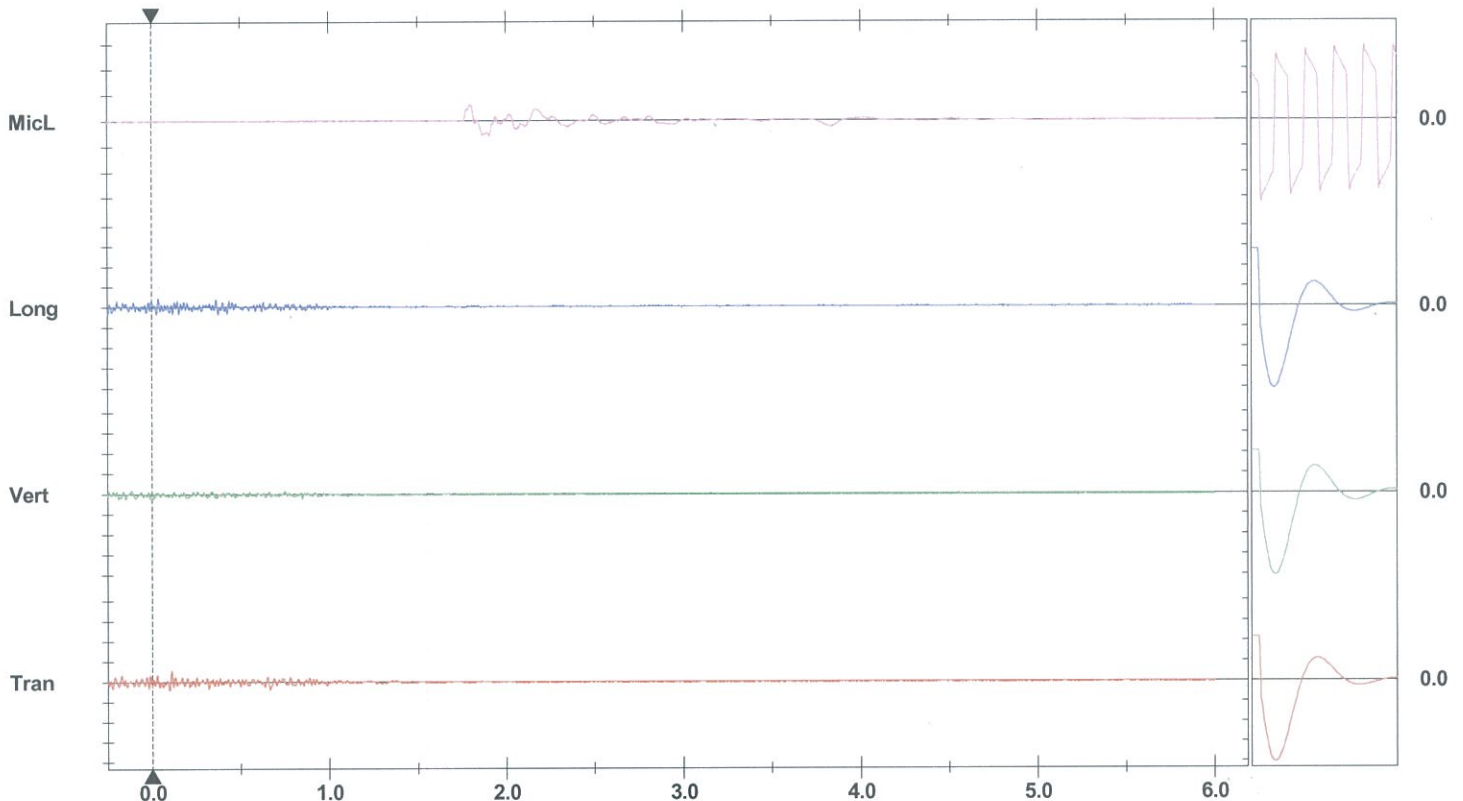
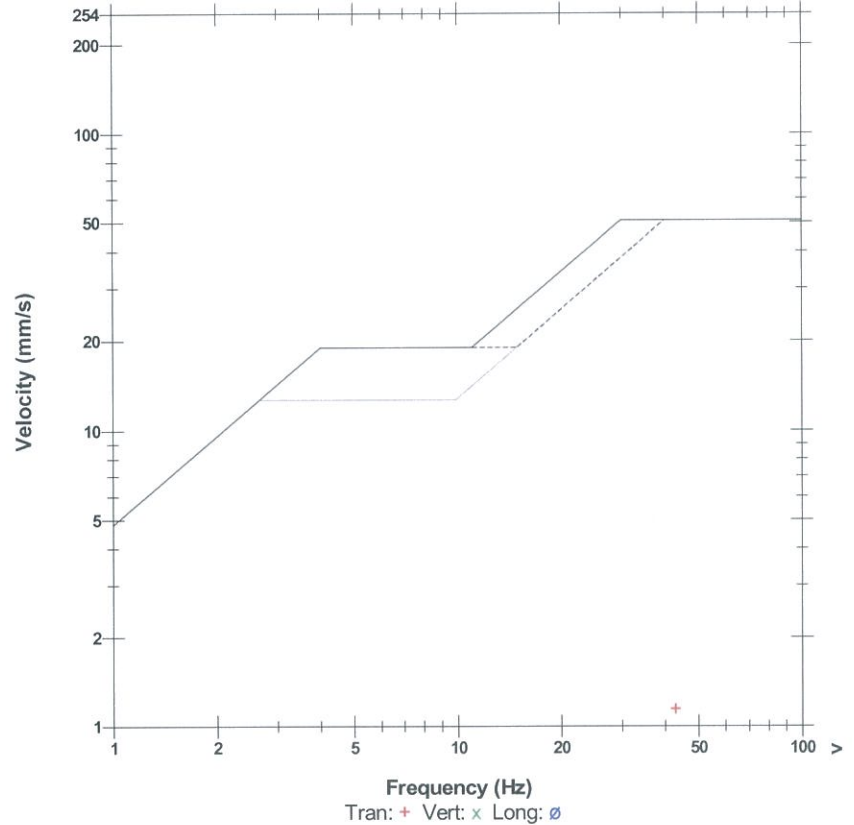
Extended Notes

Microphone Linear Weighting
PSPL 109.9 dB(L) 6.25 pa.(L) at 1.797 sec
ZC Freq 8.8 Hz
Channel Test Passed (Freq = 20.1 Hz Amp = 454 mv)

	Tran	Vert	Long	
PPV	1.14	0.508	0.889	mm/s
ZC Freq	43	21	47	Hz
Time (Rel. to Trig)	0.110	-0.189	0.038	sec
Peak Acceleration	0.0265	0.0265	0.0265	g
Peak Displacement	0.00484	0.00415	0.00310	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.1	7.4	7.6	Hz
Overswing Ratio	3.8	3.2	3.6	

Peak Vector Sum 1.18 mm/s at 0.110 sec

USBM RI8507 And OSMRE



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 13:04:53 February 1, 2017
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 6.2 Volts
Unit Calibration May 20, 2016 by Saros (Int)
File Name _TEMP.EVT
Post Event Notes
 Customer Site BlakeBrook
 Blast ID BLA 17
 Monitor Location MP#2 (356-387 Boorie Creek RD)
 Monitored BY Lucas Flanagan

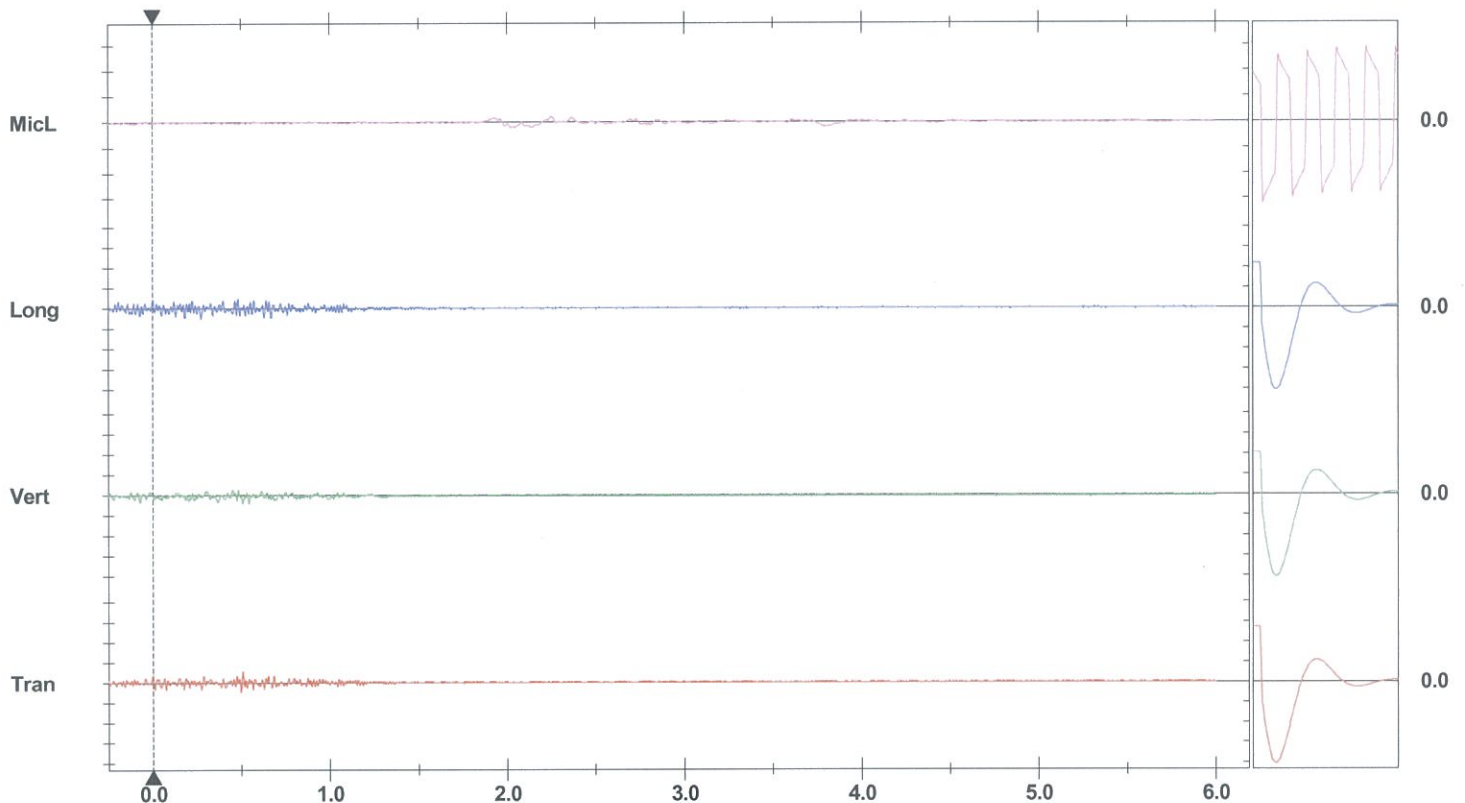
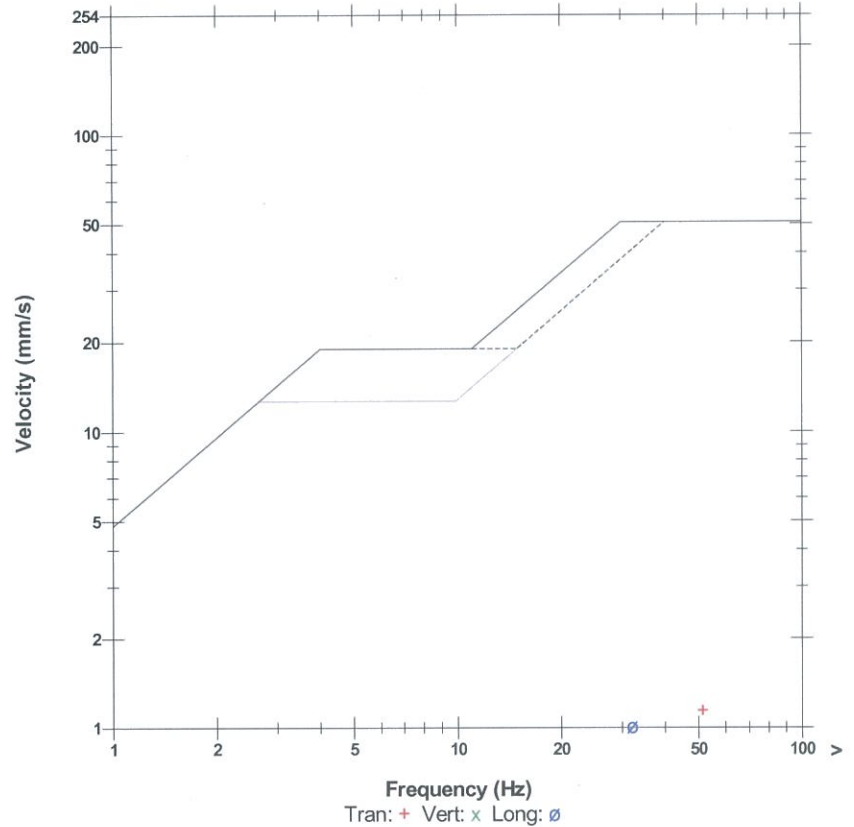
Extended Notes

Microphone Linear Weighting
PSPL 101.9 dB(L) 2.50 pa.(L) at 2.022 sec
ZC Freq 4.9 Hz
Channel Test Passed (Freq = 20.5 Hz Amp = 475 mv)

	Tran	Vert	Long	
PPV	1.14	0.762	1.02	mm/s
ZC Freq	51	30	32	Hz
Time (Rel. to Trig)	0.509	0.506	0.273	sec
Peak Acceleration	0.0398	0.0265	0.0265	g
Peak Displacement	0.00347	0.00502	0.00477	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.4	7.4	7.5	Hz
Overswing Ratio	3.8	3.5	3.5	

Peak Vector Sum 1.38 mm/s at 0.509 sec

USBM RI8507 And OSMRE



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

Sensor Check

BlakeBrook

Blast Number: BLA 18
Location: Main pit
Time: 13:11
Date: 23/03/2017
Monitor Location: 356-387 Boorie Creek Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: Brenton Oppermann

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

NOTES:.... This monitor was approximately from
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

Display All

Search Now Between 23/03/2017 And 23/03/2017 3 logs in the list

Start Time	End Time	Status
Feb 23 /17 13:25:00		SERIAL NUMBER BE13456
Feb 23 /17 16:01:39	Feb 23 /17 16:01:45	Start Monitoring Trigger Level: Ge: 0.510 mm/s
Feb 23 /17 16:01:45	Feb 23 /17 16:02:24	Event recorded: Trigger Level Log: 0.510 mm/s
		No events recorded: (Keyboard Exit) Ge: 0.510 mm/s

Close Print

Instantel Minimate Blaster Serial Number BE13456
next Calibration due 20-May-17

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 18
Location: Main Pit
Time: 13:11
Date: 23/03/2017
Monitor Location: 484 Nimbin Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: Brenton Oppermann

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

NOTES:.... This monitor was approximately from 500m
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

Display All

Search Now

Between 23/03/2017

And 23/03/2017

0 logs in the list

Start Time	End Time	Status
Feb 23 /17 13:35:52		SERIAL NUMBER: BE13371
Feb 23 /17 13:35:58	Feb 23 /17 13:36:04	Start Monitoring Trigger Level: Geo: 0.510 mm/s
Feb 23 /17 13:36:04	Feb 23 /17 14:01:12	Event recorded: Trigger Level Long: 0.510 mm/s
Feb 23 /17 15:51:51		No events recorded: (Keyboard Exit) Geo: 0.510 mm/s
Feb 23 /17 15:51:55	Feb 23 /17 15:52:01	Start Monitoring Trigger Level: Geo: 0.510 mm/s
Feb 23 /17 15:52:01		Event recorded: Trigger Level Long: 0.510 mm/s
Feb 23 /17 16:01:38	Feb 23 /17 16:01:42	Start Monitoring Trigger Level: Geo: 0.510 mm/s
Feb 23 /17 16:01:42	Feb 23 /17 16:10:23	Event recorded: Trigger Level Tran: 0.510 mm/s
		No events recorded: (Keyboard Exit) Geo: 0.510 mm/s

Close

Print

Instantel Minimate Blaster Serial Number BE13371
next Calibration due 20-May-17

* Monitor log Shows No Event trigger at time of blast

MARCH
 Date/Time Long at 13:11:00 February 23, 2017
 Trigger Source Geo: 0.810 mm/s
 Range Geo: 254 mm/s
 Record Time 6.0 sec at 1024 sps
 Notes

Serial Number BE12705 V 10.72-1.1 Minimate Blaster
 Battery Level 6.2 Volts
 Unit Calibration March 4, 2016 by Saros (Int)
 File Name N705GRZT.UR0
 Post Event Notes
 Customer Site Blake Brook
 Blast ID BLA 18
 Monitor Location MP#3 464-528 Nimbin Rd
 Monitored by Brenton Oppermann

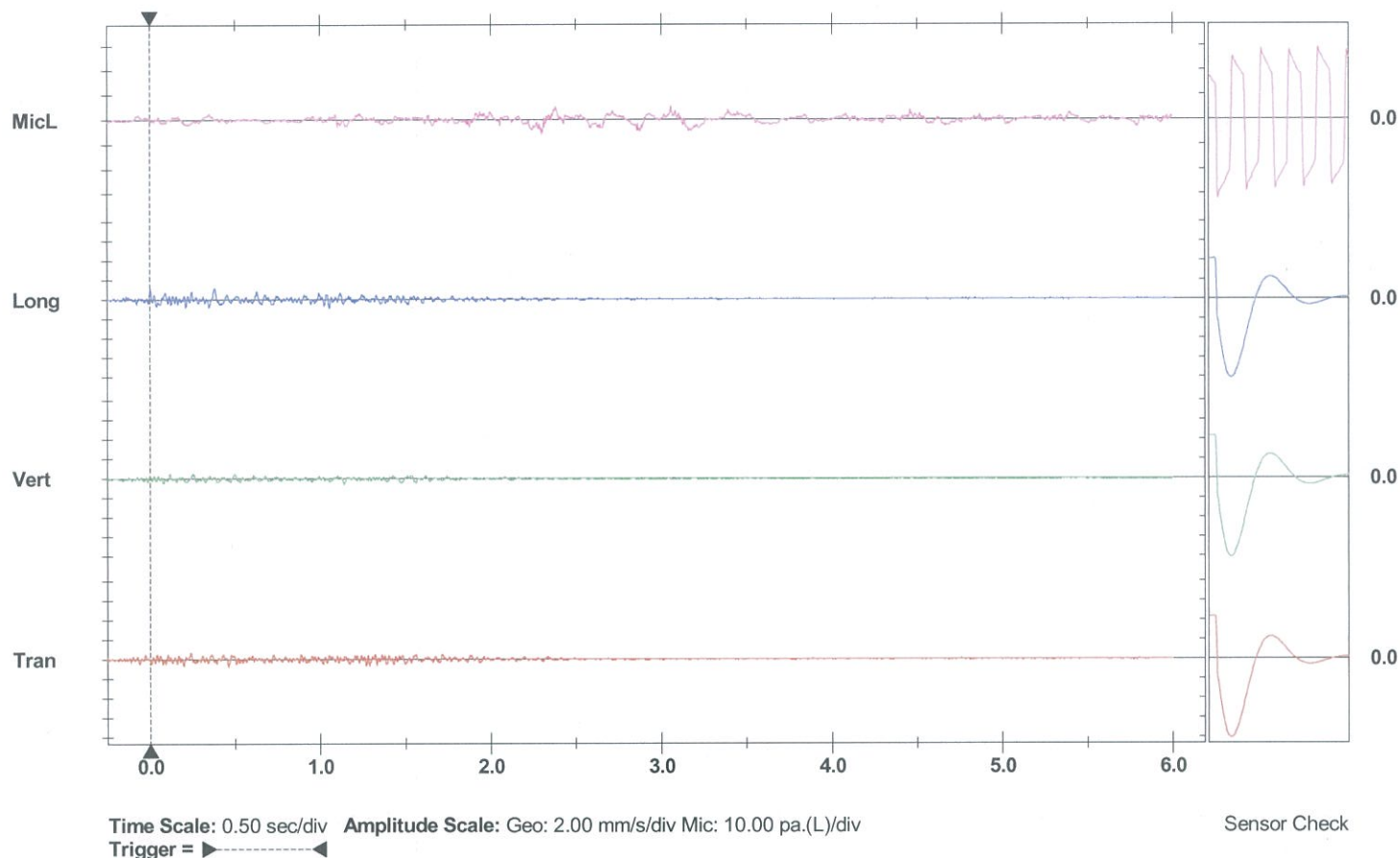
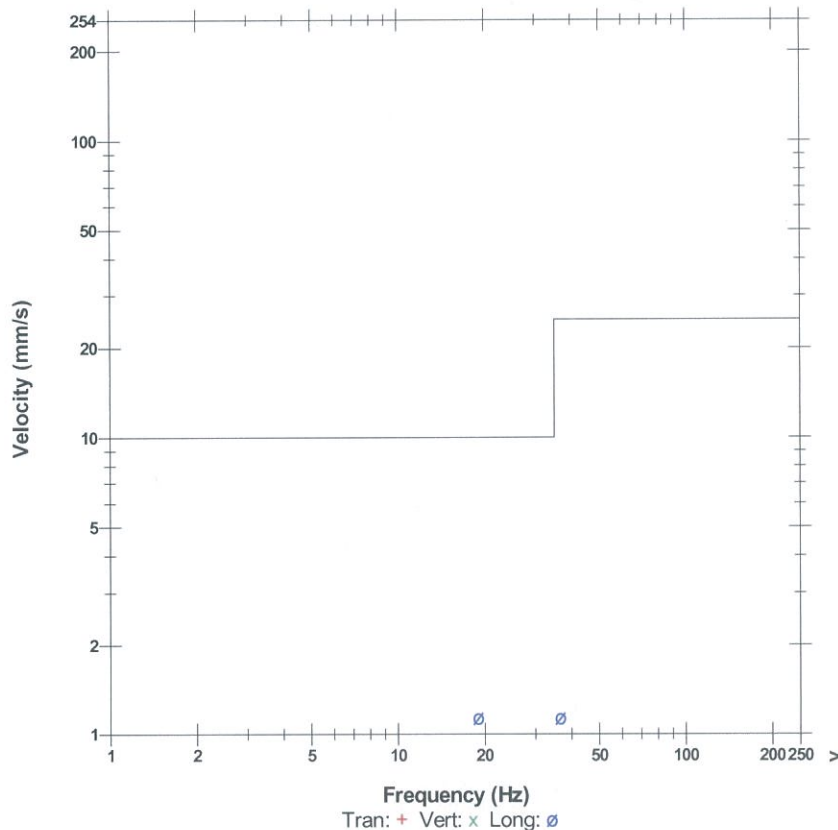
Extended Notes

Microphone Linear Weighting
 PSPL 109.5 dB(L) at 2.299 sec
 ZC Freq 3.8 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 519 mv)

	Tran	Vert	Long	
PPV	0.762	0.635	1.14	mm/s
ZC Freq	32	26	37	Hz
Time (Rel. to Trig)	0.461	1.139	0.004	sec
Peak Acceleration	0.0398	0.0133	0.0265	g
Peak Displacement	0.00453	0.00527	0.00943	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.4	7.3	Hz
Overswing Ratio	3.7	3.4	3.7	

Peak Vector Sum 1.23 mm/s at 0.004 sec

QLD APP Standard



BlakeBrook

Blast Number: BLA21 BLA22
Location: Main pit
Time: 11.45
Date: 24/04/2017
Monitor Location: 484 Nimbin Road
Weather: O/cast

NO TRIGGER REPORT

monitoring conducted by: Brenton Oppermann

Geophone Trigger Level: 0.81 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately from
from the Blast. Donnelly blasting services advises that the
Blast Vibration Was lower than the trigger level
of 0.81mm/s and that the blast over pressure was less
less than the trigger level of 110 dBL

Monitor Log		
Display All		
Search Now	Between 20/04/2017 And 20/04/2017	21 logs in the list
Start Time	End Time	Status
Apr 20 /17 11:03:00	Apr 20 /17 11:11:09	Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:11:03		Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:11:09		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:24:01	Apr 20 /17 11:24:07	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:24:07		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:27:43	Apr 20 /17 11:27:49	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:27:49		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:29:52	Apr 20 /17 11:29:59	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:29:59		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:34:43	Apr 20 /17 11:34:49	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:34:49		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:46:21	Apr 20 /17 11:46:27	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:46:27		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:53:56	Apr 20 /17 11:54:02	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:54:02	Apr 20 /17 11:57:13	No events recorded. (Keyboard Exit) Geo: 0.810 mm/s
Close		Print...

Instantel Minimate Blaster Serial Number BE13456
next Calibration due 20-May-17

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 21 / BLA22
Location: Main Pit
Time: 11.45
Date: 24/04/2017
Monitor Location: 533 Nimbin Rd
Weather: o/cast

NO TRIGGER REPORT

monitoring conducted by: Brenton Oppermann

Geophone Trigger Level: 0.81 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately from 500m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.81mm/s and that the blast over pressure was less less than the trigger level of 110 dBL

Monitor Log		
Display All		
Search Now	Between 20/04/2017 And 20/04/2017	21 logs in the list
Start Time	End Time	Status
Apr 20 /17 11:03:08	Apr 20 /17 11:11:09	Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:11:03		Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:11:09		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:24:01	Apr 20 /17 11:24:07	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:24:07		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:27:43	Apr 20 /17 11:27:49	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:27:49		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:29:52	Apr 20 /17 11:29:59	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:29:59		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:34:43	Apr 20 /17 11:34:49	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:34:49		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:46:21	Apr 20 /17 11:46:27	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:46:27		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:53:56	Apr 20 /17 11:54:02	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:54:02	Apr 20 /17 11:57:13	No events recorded. (Keyboard Exit) Geo: 0.810 mm/s
Close Print...		

Instantel Minimate Blaster Serial Number BE13371
next Calibration due 20-May-17

* Monitor log Shows No Event trigger at time of blast

Date/Time Vert at 12:32:08 May 25, 2017
 Trigger Source Geo: 0.810 mm/s
 Range Geo: 254 mm/s
 Record Time 6.0 sec at 1024 sps
 Notes

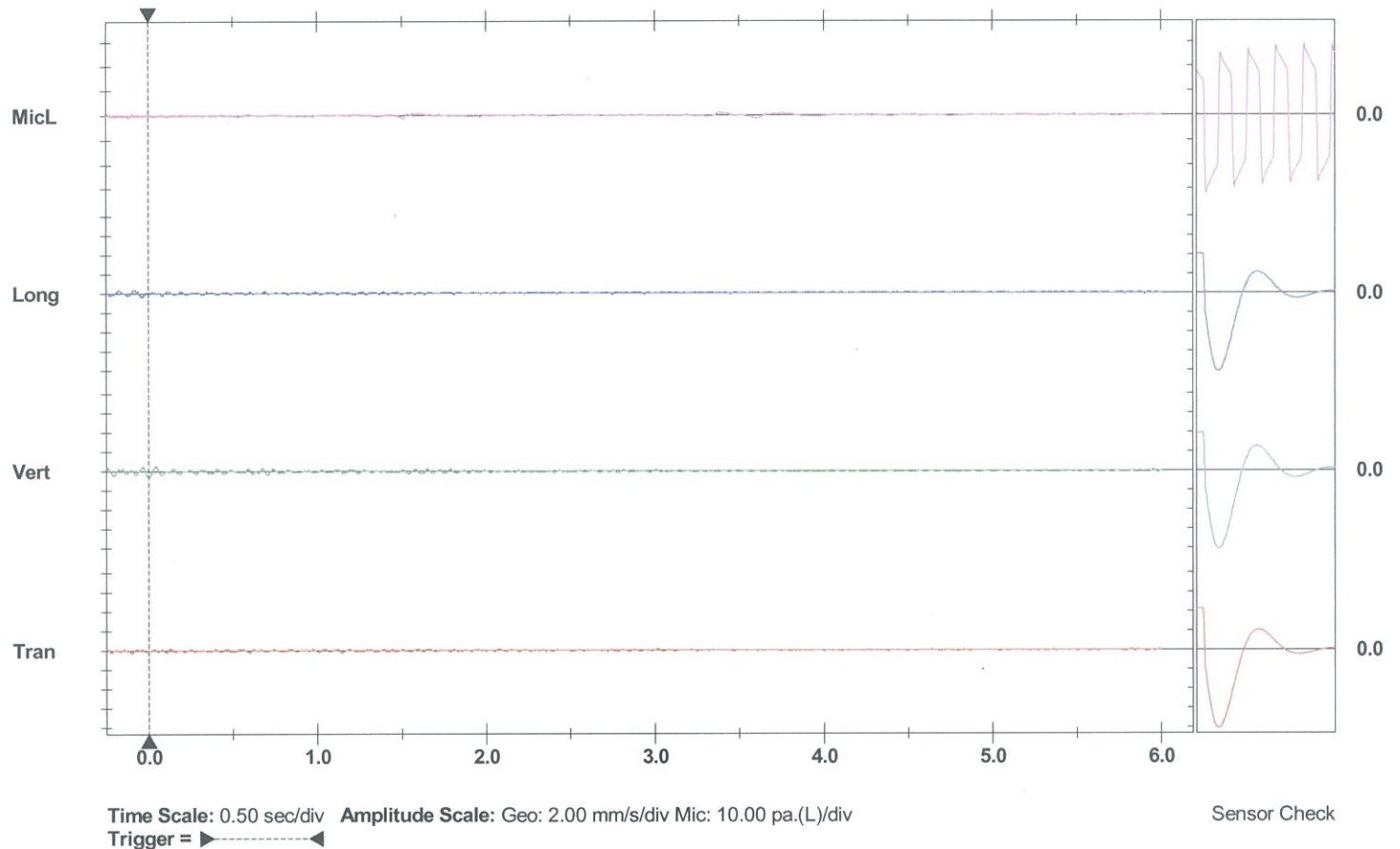
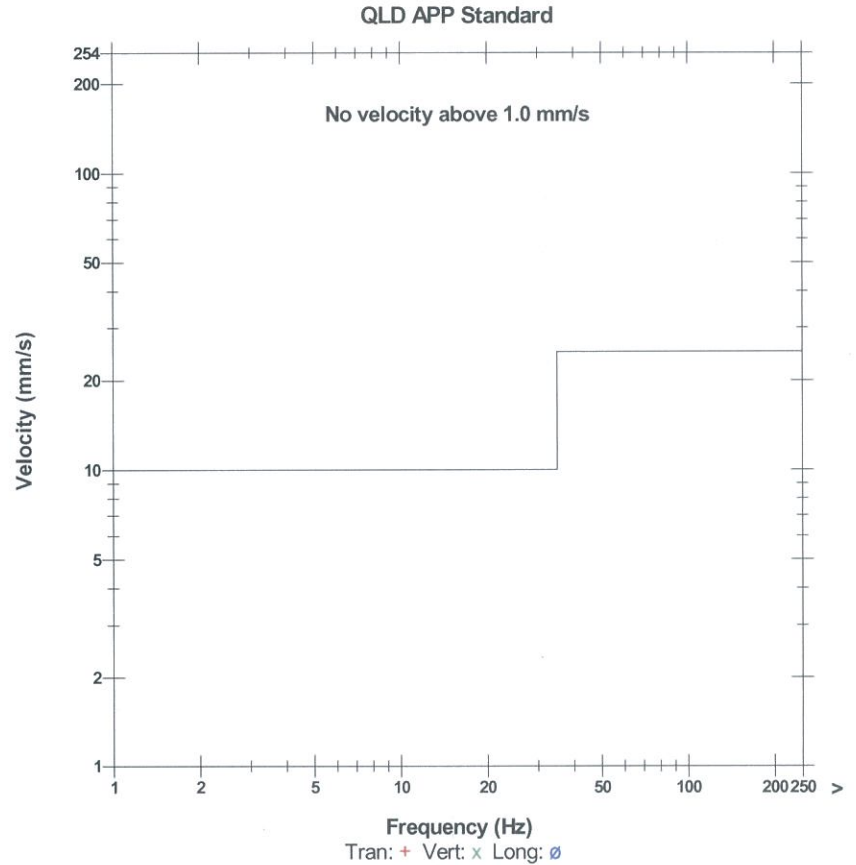
Serial Number BE13456 V 10.72-1.1 Minimate Blaster
 Battery Level 6.1 Volts
 Unit Calibration May 6, 2015 by Saros (Int)
 File Name O456GWO2.TK0
 Post Event Notes
 Customer Site BlakeBrook
 Blast ID BLA 23
 Monitor Location #3(464-528 Nimbin RD)
 Monitored By Peter Bradford

Extended Notes

Microphone Linear Weighting
 PSPL 98.8 dB(L) at 1.510 sec
 ZC Freq 21 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 620 mv)

	Tran	Vert	Long	
PPV	0.254	0.762	0.381	mm/s
ZC Freq	>100	16	24	Hz
Time (Rel. to Trig)	-0.226	0.000	-0.180	sec
Peak Acceleration	0.0133	0.0265	0.0133	g
Peak Displacement	0.00112	0.00819	0.00490	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.1	7.5	7.3	Hz
Overswing Ratio	4.0	3.3	3.8	

Peak Vector Sum 0.773 mm/s at 0.000 sec



Blake Brook

Blast Number: BLA 23
Location: Main Pit
Time: 13:32 08
Date: 25/05/2017
Monitor Location: 356-387 Boorie Creek Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: Peter Bradford

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

NOTES:.... This monitor was approximately from 1200m 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

Display All

Search Now Between: 25/05/2017 And 25/05/2017 1 logs in the list

Start Time	End Time	Status
May 25 /17 12:15:30	May 25 /17 12:20:22	SERIAL NUMBER: BE12705 No events recorded (Keyboard Exit) Geo: 0.510 mm/s

Close Print...

Instantel Minimate Blaster Serial Number BE12705
next Calibration due 4-Mar-17

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 23
Location: Main Pit
Time: 13:02 08
Date: 25/05/2017
Monitor Location: 484 Nimbin RD
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: Peter Bradford

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

NOTES:.... This monitor was approximately from 680m 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

Display All

Search Now Between 25/05/2017 And 25/05/2017 1 logs in the list

Start Time	End Time	Status
May 25 /17 11:58:05	May 25 /17 12:45:27	SERIAL NUMBER BE13371 no events recorded (Keyboard Exit) Geo: 0.510 mm/s

Close Print

Instantel Minimate Blaster Serial Number BE13371
next Calibration due 20-May-17

* Monitor log Shows No Event trigger at time of blast

Date/Time Tran at 13:32:55 July 13, 2017
 Trigger Source Geo: 0.810 mm/s, Mic: 110 dB(L)
 Range Geo: 254 mm/s
 Record Time 6.0 sec at 1024 sps
 Notes

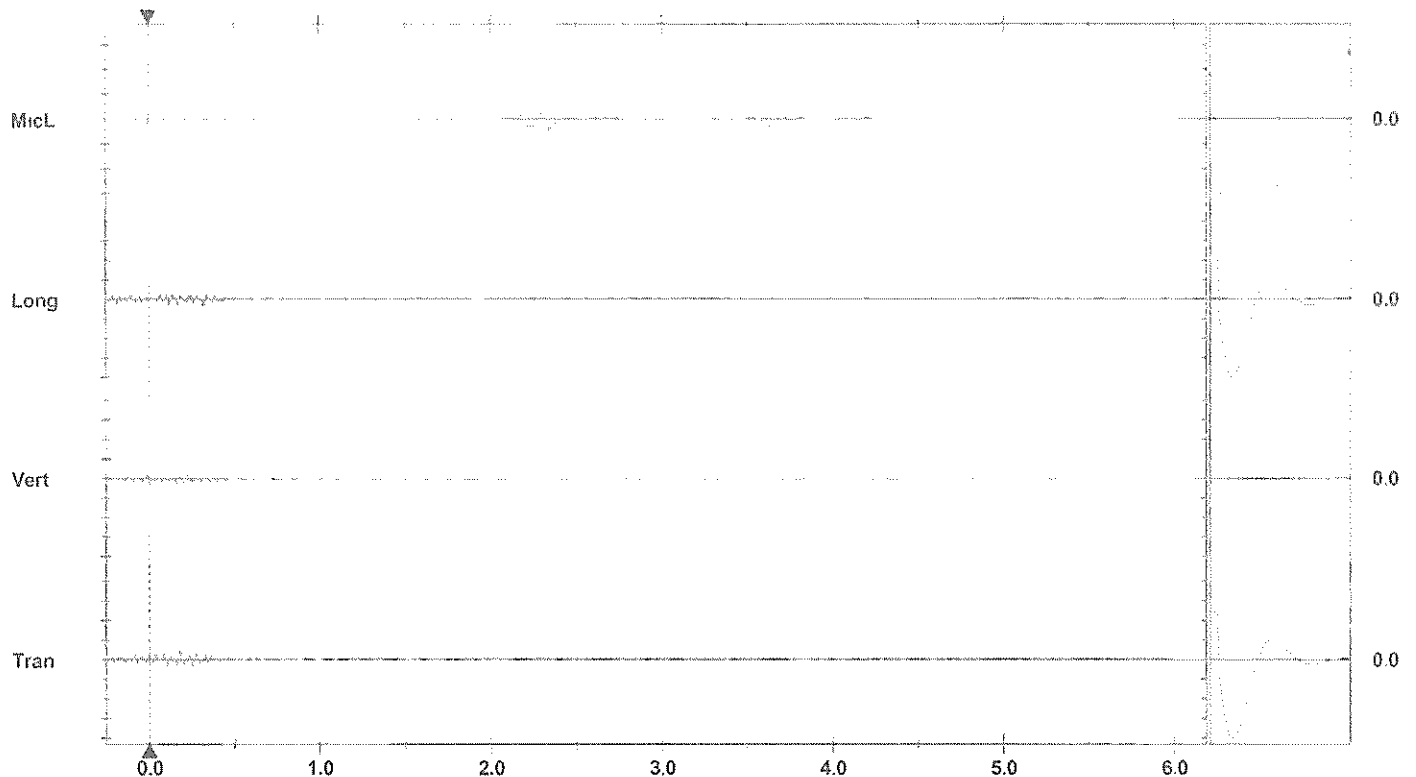
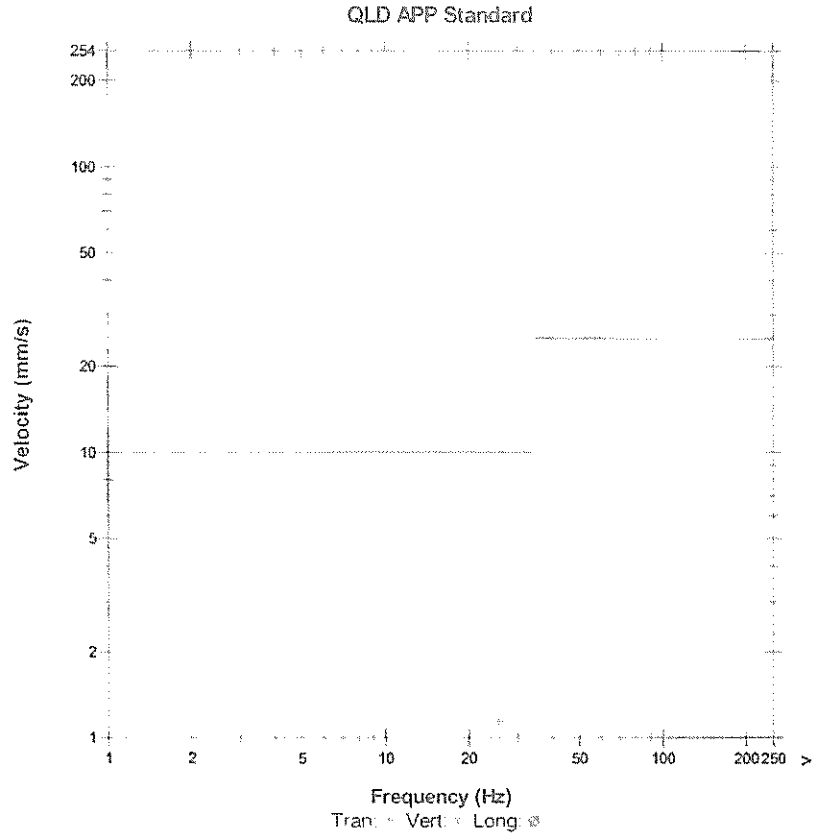
Serial Number BE13371 V 10.72:1.1 Minimate Blaster
 Battery Level 6.3 Volts
 Unit Calibration June 1, 2017 by Saros Int.
 File Name TEMP.EVT
 Post Event Notes
 Customer Site BlakeBrook
 Blast ID BLA 25
 Monitor Location 464-528 Nimbin Rd
 Monitored By Brad Markwell

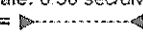
Extended Notes

Microphone Linear Weighting
 PSPL 107.5 dB(L) at 2.337 sec
 ZC Freq 3.5 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 578 mv)

	Tran	Vert	Long	
PPV	1.14	0.635	0.889	mm/s
ZC Freq	26	30	30	Hz
Time (Rel. to Trig)	0.182	0.201	0.319	sec
Peak Acceleration	0.0265	0.0265	0.0265	g
Peak Displacement	0.00657	0.00415	0.00428	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.5	7.5	Hz
Overswing Ratio	4.0	3.6	3.6	

Peak Vector Sum 1.20 mm/s at 0.182 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 13:32:25 July 13, 2017
 Trigger Source Geo: 0.810 mm/s, Mic: 110 dB(L)
 Range Geo: 254 mm/s
 Record Time 6.0 sec at 1024 sps
 Notes

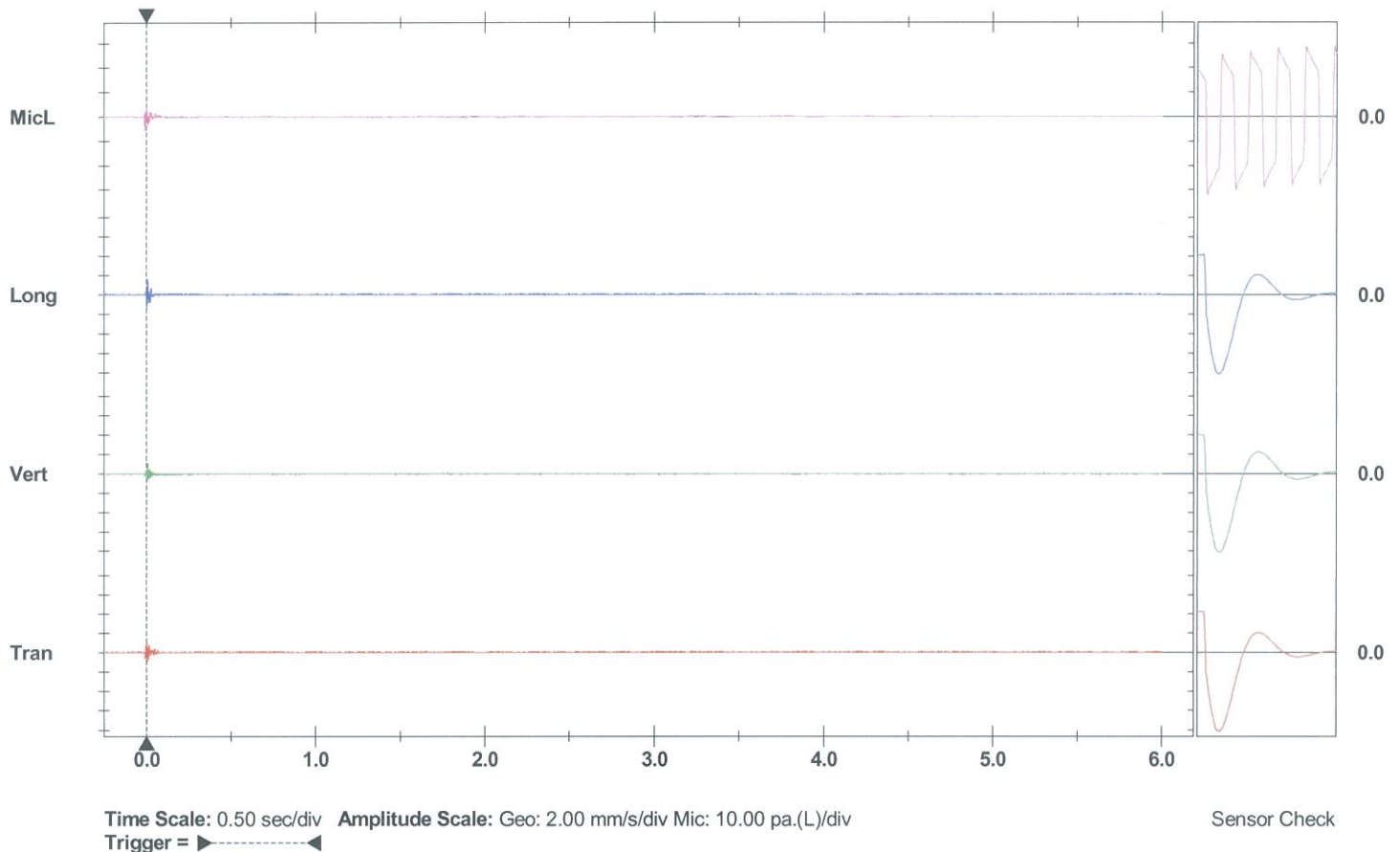
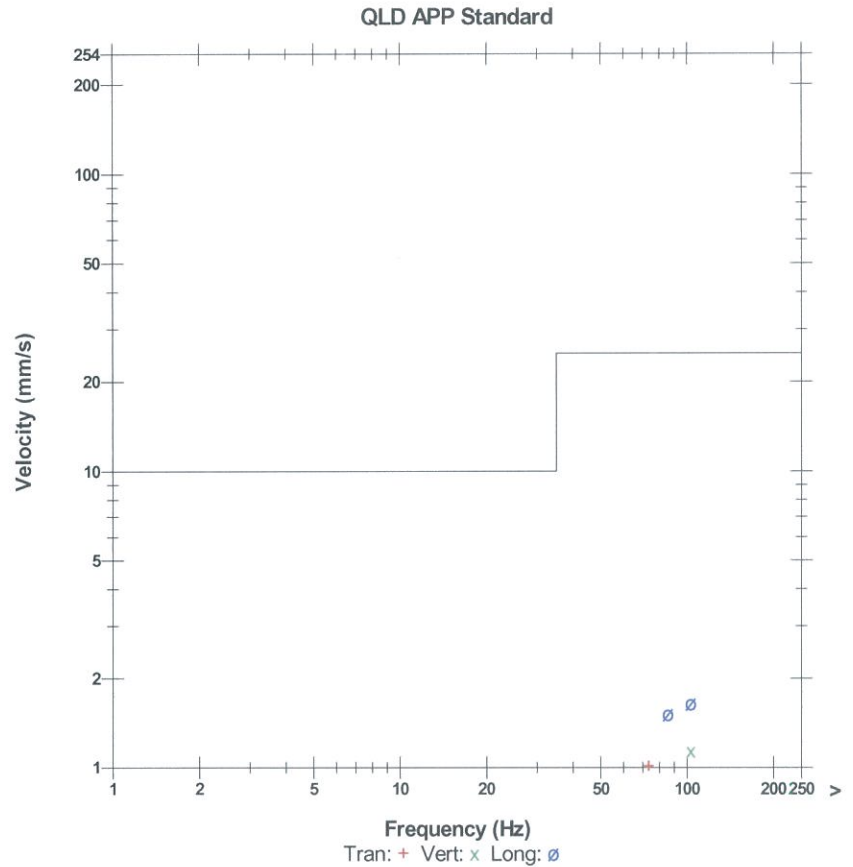
Serial Number BE12705 V 10.72-1.1 Minimate Blaster
 Battery Level 6.1 Volts
 Unit Calibration April 10, 2017 by Saros (Int)
 File Name __TEMP.EVT
 Post Event Notes
 Customer Site BlakeBrook
 Blast ID BLA 25
 Monitor Location 356-387 Boorie Creek RD
 Monitored By Brad Markwell

Extended Notes

Microphone Linear Weighting
 PSPL 109.5 dB(L) at -0.005 sec
 ZC Freq >100 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 596 mv)

	Tran	Vert	Long	
PPV	1.02	1.14	1.65	mm/s
ZC Freq	73	>100	>100	Hz
Time (Rel. to Trig)	0.001	0.010	0.010	sec
Peak Acceleration	0.0663	0.0795	0.106	g
Peak Displacement	0.00229	0.00167	0.00248	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.4	7.5	Hz
Overswing Ratio	4.0	3.7	3.9	

Peak Vector Sum 2.04 mm/s at 0.010 sec



Date/Time Long at 13:32:57 July 13, 2017
 Trigger Source Geo: 0.810 mm/s, Mic: 110 dB(L)
 Range Geo: 254 mm/s
 Record Time 6.0 sec at 1024 sps
 Notes

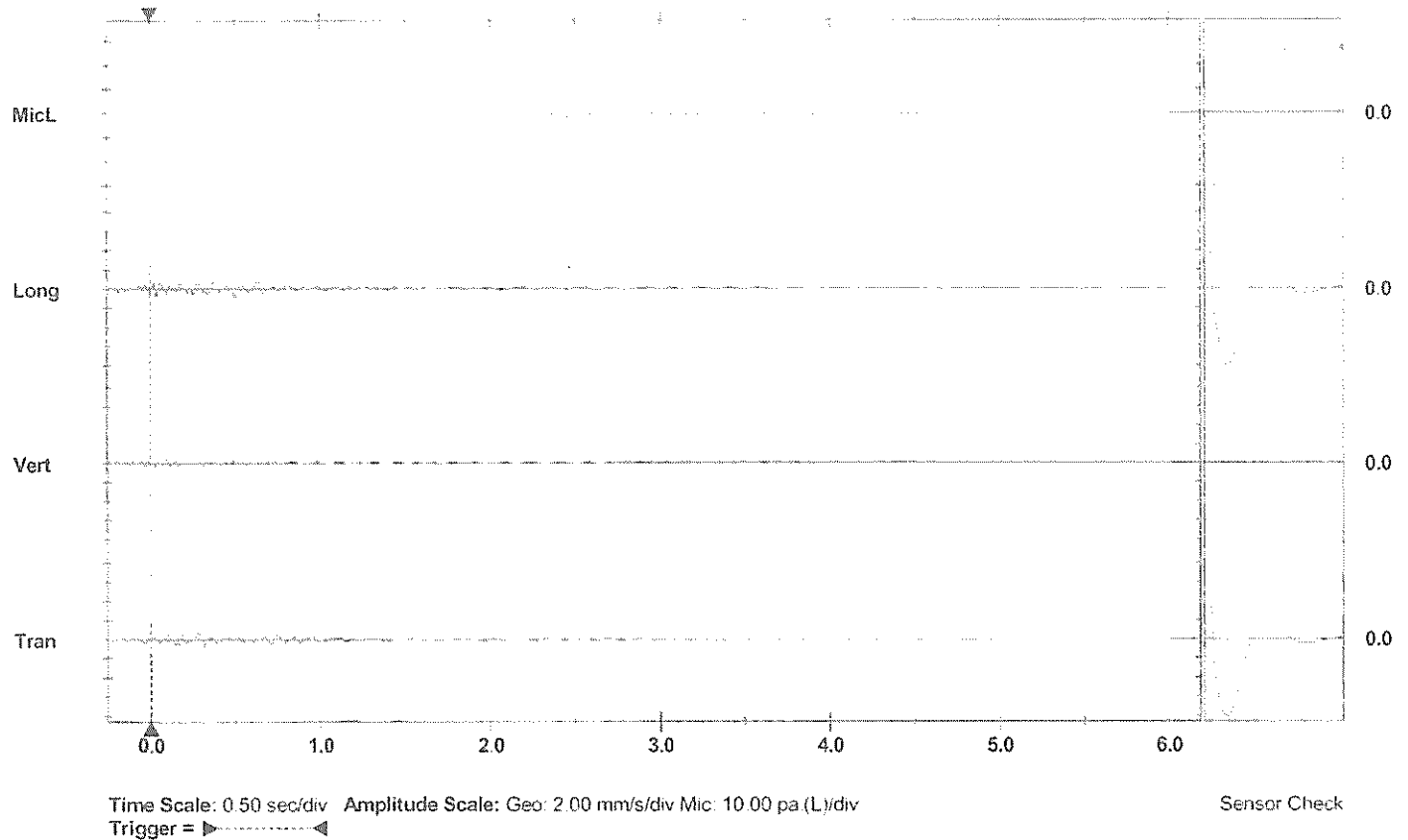
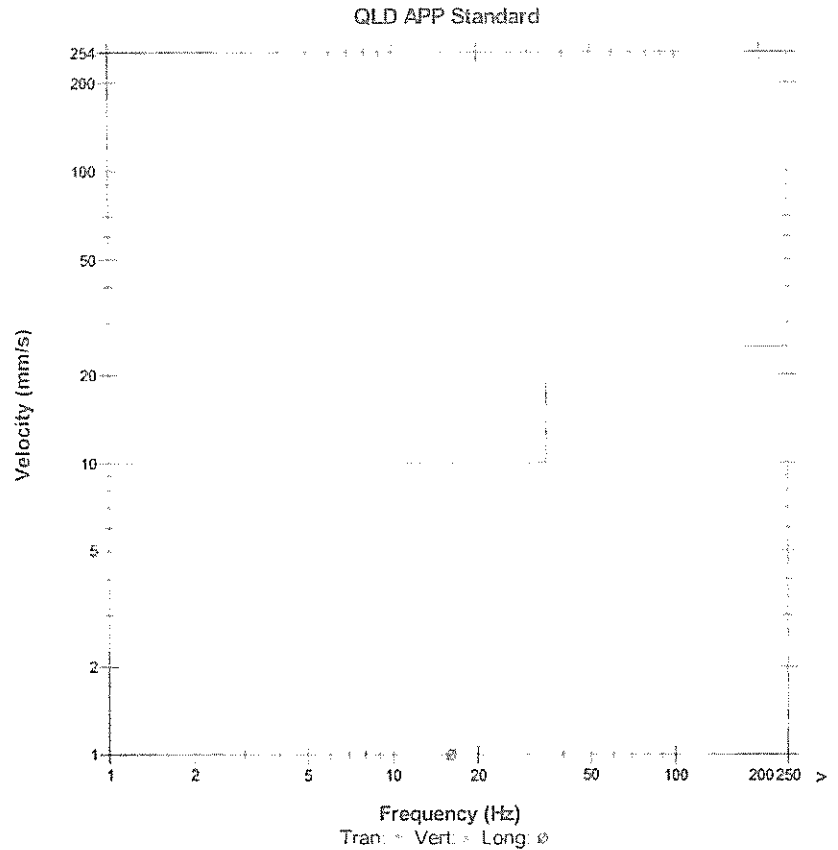
Serial Number BE13456 V 10.72-1.1 Minimate Blaster
 Battery Level 6.2 Volts
 Unit Calibration June 1, 2017 by Saros Int
 File Name _TEMP.EVT
 Post Event Notes
 Customer Site BlakeBrook
 Blast ID BLA 25
 Monitor Location 484 Nimbin Rd
 Monitored By Brad Markwell

Extended Notes

Microphone Linear Weighting
 PSPL *106.5 dB(L) at 2.641 sec
 ZC Freq 6.5 Hz
 Channel Test Passed (Freq = 20.5 Hz Amp = 579 mv)

	Tran	Vert	Long	
PPV	0.889	0.635	1.02	mm/s
ZC Freq	27	26	16	Hz
Time (Rel. to Trig)	0.185	0.097	0.497	sec
Peak Acceleration	0.0133	0.0133	0.0265	g
Peak Displacement	0.0115	0.00490	0.0117	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.2	7.5	7.3	Hz
Overswing Ratio	3.9	3.3	3.8	

Peak Vector Sum = 1.10 mm/s at 0.274 sec



Blakebrook

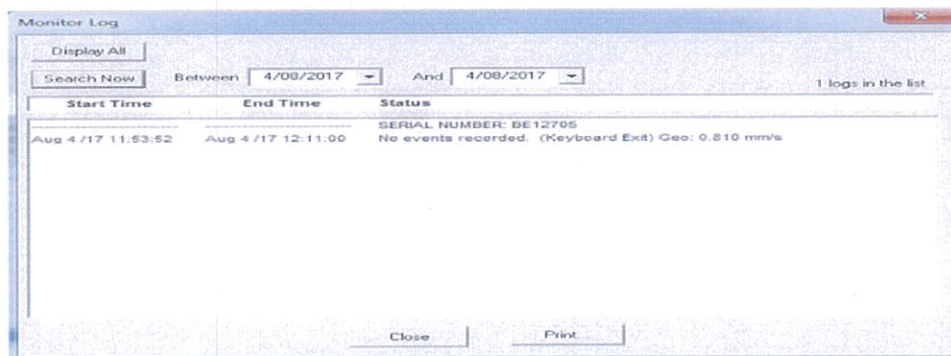
Blast Number: BLA 26
Location: Main Pit
Time: 12:06 49
Date: 4/08/2017
Monitor Location: 484 Nimbin Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: Brad Markwell

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

NOTES:.... This monitor was approximately from 1100m 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



Instantel Minimate Blaster Serial Number BE12705
next Calibration due 10-Apr-18

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 26
Location: Main Pit
Time: 12:06
Date: 4/08/2017
Monitor Location: 464-528 Nimbin RD
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: Brad Markwell

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
less than the trigger level of 110 dBL

Monitor Log 245

Display All

Search Now Between 4/08/2017 And 4/08/2017 1 logs in the list

Start Time	End Time	Status
SERIAL NUMBER BE13371		
Aug 4 /17 11:35:09	Aug 4 /17 12:29:35	No events recorded (Keyboard Exit) Geo: 0.510 mm/s

Close Print

Instantel Minimate Blaster Serial Number BE13371
next Calibration due 10-Apr-18

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 26
Location: Main pit
Time: 12:06
Date: 4/08/2017
Monitor Location: 356-387 Boorie Creek Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: Brad Markwell

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

NOTES:.... This monitor was approximately from 850m 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

Start Time	End Time	Status
Aug 4 /17 11:21:20		SERIAL NUMBER: BE13456
Aug 4 /17 11:22:49	Aug 4 /17 11:22:55	Start Monitoring Trigger Level Geo: 0.510 mm/s
Aug 4 /17 11:22:55		Event recorded Trigger Level Vert: 0.510 mm/s
Aug 4 /17 12:03:54	Aug 4 /17 12:04:00	Start Monitoring Trigger Level Geo: 0.510 mm/s
Aug 4 /17 12:04:00		Event recorded Trigger Level Vert: 0.510 mm/s
Aug 4 /17 12:26:47	Aug 4 /17 12:26:53	Start Monitoring Trigger Level Geo: 0.510 mm/s
Aug 4 /17 12:26:53	Aug 4 /17 12:40:31	Event recorded Trigger Level Vert: 0.510 mm/s
		No events recorded (Keyboard Exit) Geo: 0.510 mm/s

Close Print

Instantel Minimate Blaster Serial Number BE13456
next Calibration due 1-Jun-18

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 27
Location: Main pit
Time: 13:57:49 PM
Date: 9/10/2017
Monitor Location: 356-387 Boorie Creek Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: Brad Markwell

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

NOTES:.... This monitor was approximately from 840m 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 - Minimate Blaster # BE13456-Compliance

Display All

Search Now Between 9/10/2017 And 9/10/2017 6 logs in the list

Start Time	End Time	Status
SERIAL NUMBER: BE13456		
Oct 9 /17 13:54:07		Start Monitoring Trigger Level Geop: 0.510 mm/s Mic: 110.0 dB(L)
Oct 9 /17 14:01:03	Oct 9 /17 14:01:09	Event recorded Trigger Level Long: 0.510 mm/s
Oct 9 /17 14:01:09		Start Monitoring Trigger Level Geop: 0.510 mm/s Mic: 110.0 dB(L)
Oct 9 /17 14:01:11	Oct 9 /17 14:01:13	Event recorded (Keyboard Exit) Trigger Level Vert: 0.010 mm/s
Oct 9 /17 14:56:01	Oct 9 /17 15:10:25	No events recorded (Keyboard Exit) Geop: 0.510 mm/s Mic: 110.0 dB(L)

Close Print

Instantel Minimate Blaster Serial Number BE13456
next Calibration due 1-Jun-18

* Monitor log Shows No Event trigger at time of blast

Date/Time Long at 13:57:46 October 9, 2017
Trigger Source Geo: 0.810 mm/s
Range Geo: 254 mm/s
Record Time 6.0 sec at 1024 sps
Notes

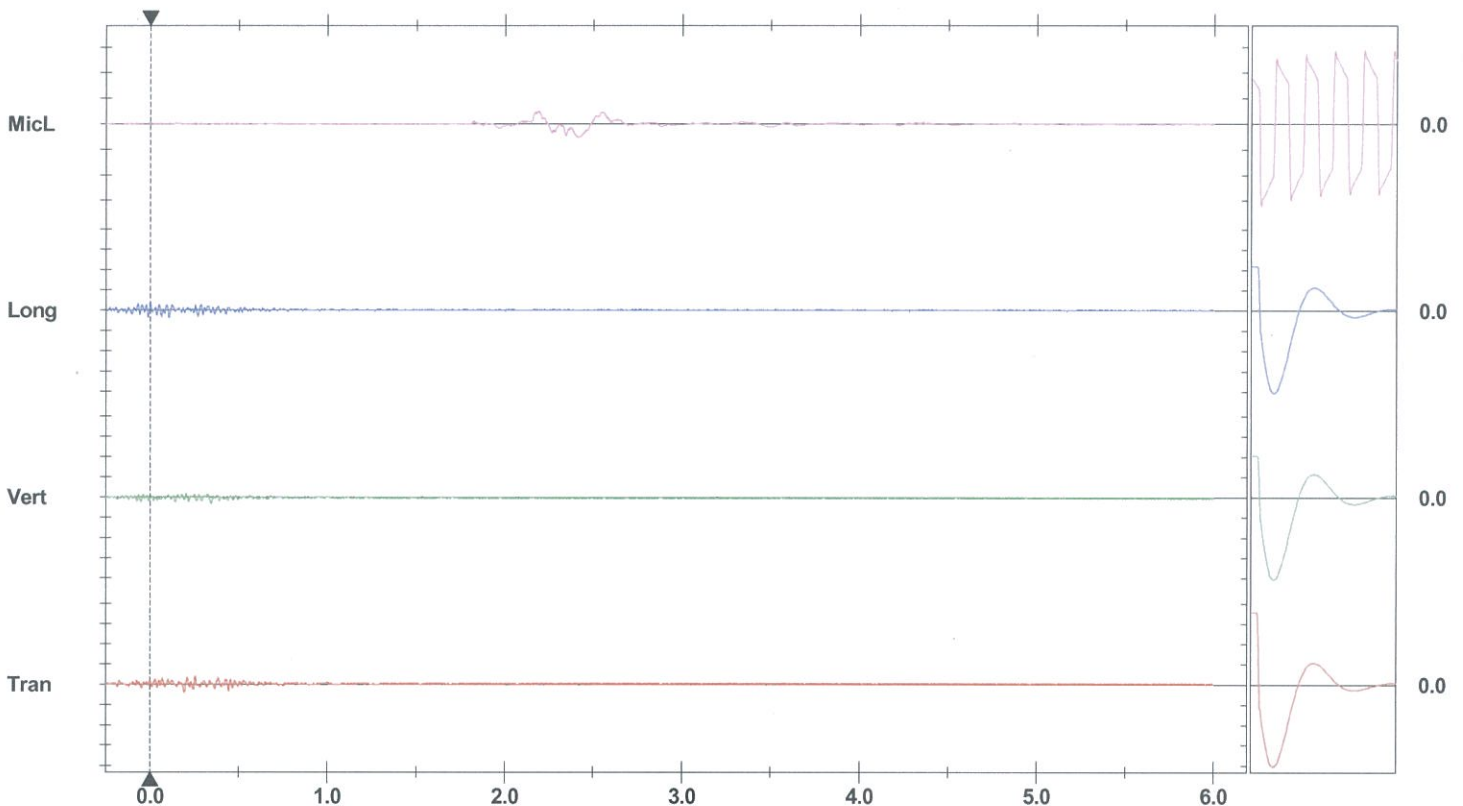
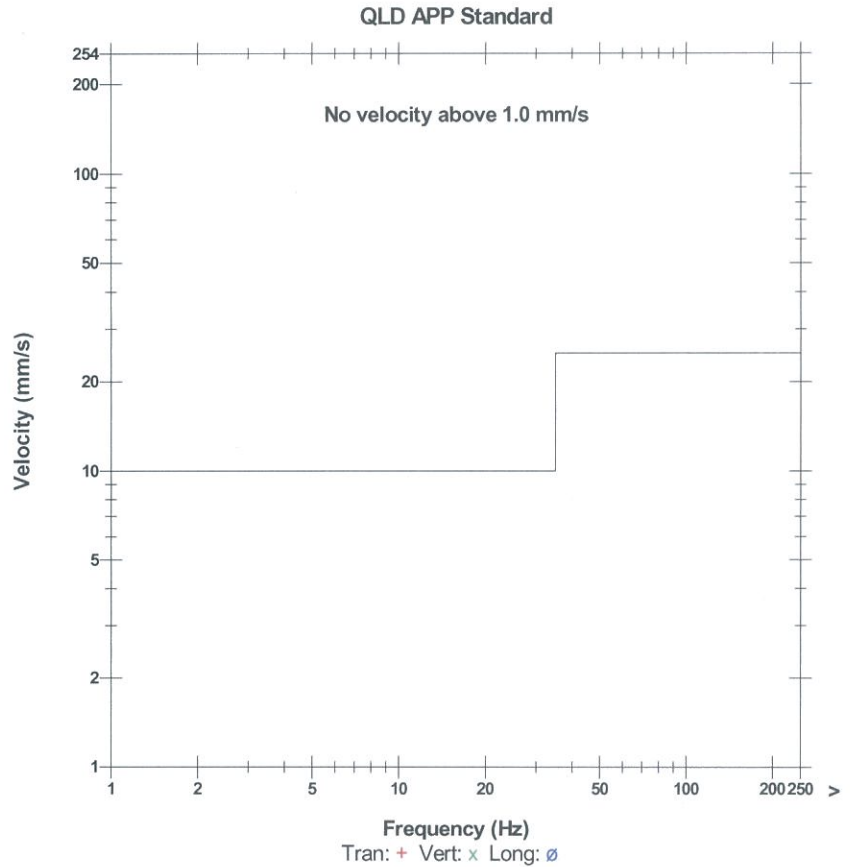
Serial Number BE13371 V 10.72-1.1 Minimate Blaster
Battery Level 6.3 Volts
Unit Calibration June 1, 2017 by Saros Int.
File Name _TEMP.EVT
Post Event Notes
 Customer Site Blakebrook
 Blast ID BLA 27
 Monitor Location 484 Nimbin RD
 Monitored By Brad Markwell

Extended Notes

Microphone Linear Weighting
PSPL 108.8 dB(L) at 2.411 sec
ZC Freq 2.8 Hz
Channel Test Passed (Freq = 20.1 Hz Amp = 498 mv)

	Tran	Vert	Long	
PPV	0.762	0.635	0.762	mm/s
ZC Freq	32	27	47	Hz
Time (Rel. to Trig)	0.193	0.343	0.000	sec
Peak Acceleration	0.0265	0.0133	0.0265	g
Peak Displacement	0.00391	0.00397	0.00341	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.4	7.5	7.5	Hz
Overswing Ratio	3.8	3.5	3.6	

Peak Vector Sum 0.916 mm/s at 0.256 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 Long at 13:57:48 October 9, 2017
Trigger Source Geo: 0.810 mm/s
Range Geo: 254 mm/s
Record Time 6.0 sec at 1024 sps
Notes

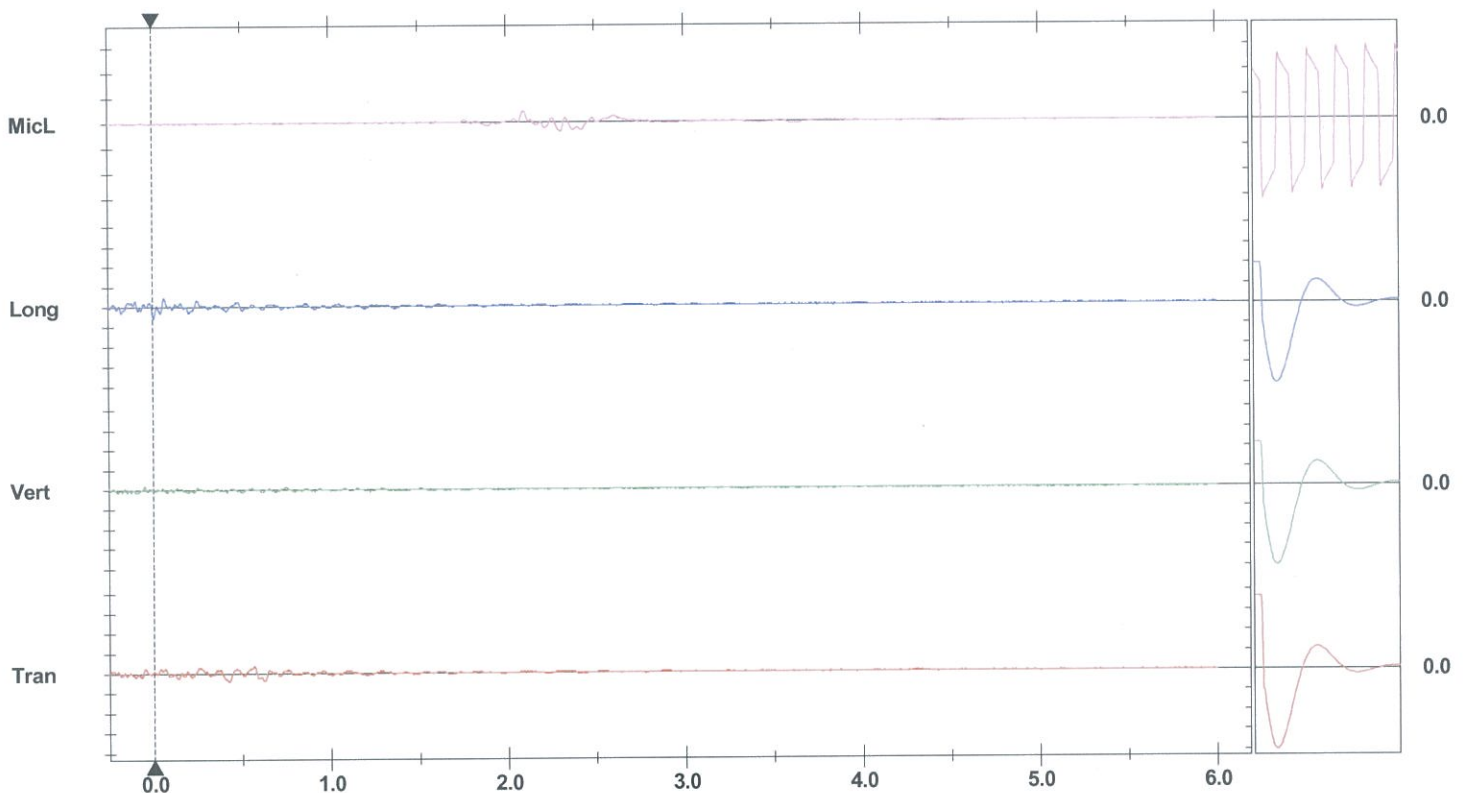
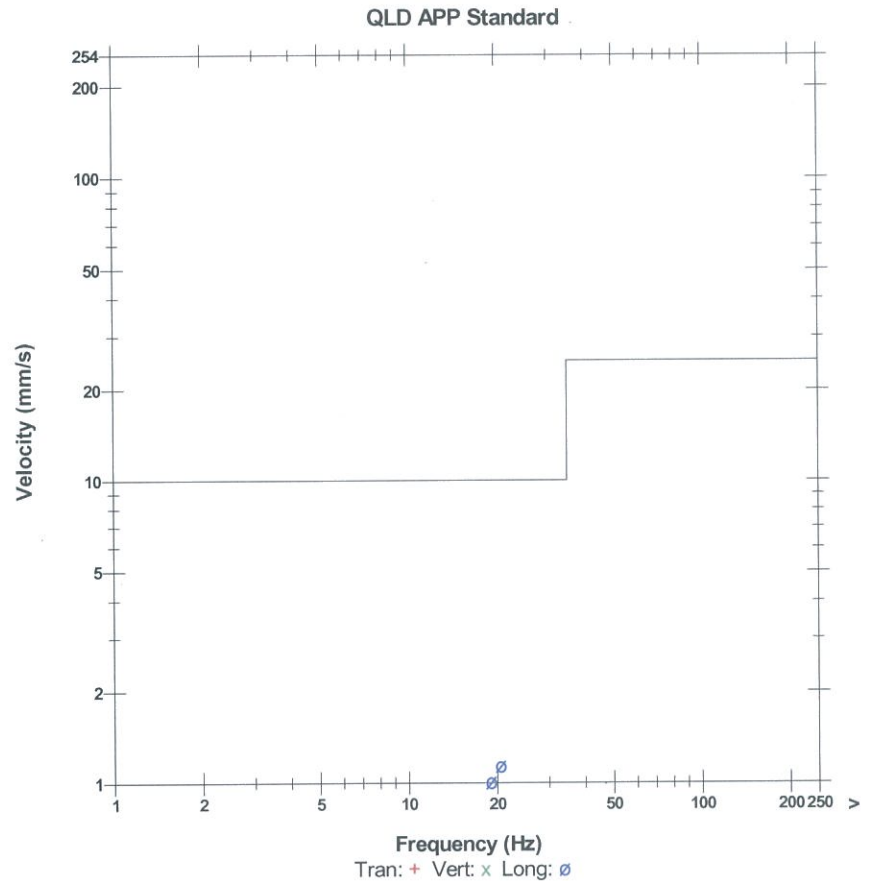
Serial Number BE12705 V 10.72-1.1 Minimate Blaster
Battery Level 5.9 Volts (Battery Low)
Unit Calibration April 10, 2017 by Saros (Int)
File Name _TEMP.EVT
Post Event Notes
 Customer Site Blakebrook
 Blast ID BLA 27
 Monitor Location 464-528 Nimbin Rd
 Monitored By Brad Markwell

Extended Notes

Microphone Linear Weighting
PSPL 107.0 dB(L) at 2.094 sec
ZC Freq 9.8 Hz
Channel Test Passed (Freq = 20.1 Hz Amp = 467 mv)

	Tran	Vert	Long	
PPV	0.889	0.381	1.14	mm/s
ZC Freq	10	34	20	Hz
Time (Rel. to Trig)	0.422	-0.051	0.004	sec
Peak Acceleration	0.0133	0.0133	0.0133	g
Peak Displacement	0.0138	0.00260	0.0122	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.5	7.4	Hz
Overswing Ratio	3.8	3.5	3.8	

Peak Vector Sum 1.16 mm/s at 0.005 sec



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

Sensor Check

BlakeBrook

Blast Number: BLA 31
Location: Mainpit
Time: 14:49.0
Date: 020/12/2017
Monitor Location: 484 Nimbin Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: Brad Markwell

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

NOTES:.... This monitor was approximately from 1100m
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 - Minimate Blaster # BE12705-Compliance

Display All

Search Now Between 20/12/2017 And 20/12/2017 1 logs in the list

Start Time	End Time	Status
Dec 20 /17 14:49:53	Dec 20 /17 15:49	SERIAL NUMBER: BE12705 No events recorded (Keyboard Exit) Geo: 0.010 mm/s

Close Print

Instantel Minimate Blaster Serial Number BE12705
next Calibration due 10-Apr-18

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 31
Location: Main Pit
Time: 14:49:00 PM
Date: 20/12/2017
Monitor Location: 464-528 Nimbin RD
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: Brad Markwell

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

NOTES:.... This monitor was approximately from 870m

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 # BE13371: Compliance

Start Time	End Time	Status
SERIAL NUMBER: BL13371		
Dec 20 /17 10:41:25		Start Monitoring Trigger Level Geop: 0.010 mm/s
Dec 20 /17 14:08:08	Dec 20 /17 14:08:15	Event recorded: Trigger Level Vert: 0.010 mm/s
Dec 20 /17 14:08:15		Start Monitoring Trigger Level Geop: 0.010 mm/s
Dec 20 /17 14:23:00	Dec 20 /17 14:23:14	Event recorded: Trigger Level Vert: 0.010 mm/s
Dec 20 /17 14:23:14		Start Monitoring Trigger Level Geop: 0.010 mm/s
Dec 20 /17 14:42:20	Dec 20 /17 14:42:20	Event recorded: Trigger Level Vert: 0.010 mm/s
Dec 20 /17 14:42:20		Start Monitoring Trigger Level Geop: 0.010 mm/s
Dec 20 /17 14:59:55	Dec 20 /17 14:59:59	Event recorded: Trigger Level Vert: 0.010 mm/s
Dec 20 /17 14:59:59		Start Monitoring Trigger Level Geop: 0.010 mm/s
Dec 20 /17 14:59:59	Dec 20 /17 14:59:59	Event recorded: Trigger Level Vert: 0.010 mm/s
Dec 20 /17 14:59:59		Start Monitoring Trigger Level Geop: 0.010 mm/s
Dec 20 /17 15:11:40	Dec 20 /17 15:11:40	Event recorded: Trigger Level Vert: 0.010 mm/s
Dec 20 /17 15:11:40	Dec 20 /17 15:15:00	No events recorded (Keyboard Exit) Geop: 0.010 mm/s

Instantel Minimate Blaster Serial Number
next Calibration due

BE13371
10-Apr-18

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 31
Location: Main pit
Time: 14:49
Date: 20/12/2017
Monitor Location: 356-387 Boorie Creek Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: Brad Markwell

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

NOTES:.... This monitor was approximately from 850m 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 - Minimate Blaster # BE13456 Compliance

Display All

Search Now Between: 20/12/2017 And: 20/12/2017 4 logs in the list

Start Time	End Time	Status
Dec 20 /17 14:41:46	Dec 20 /17 14:49:45	SERIAL NUMBER: BE13456 No events recorded (Keyboard Exit) Geol: 0.510 mm/s
Dec 20 /17 14:42:27		Start Monitoring Trigger Level: Geol: 0.510 mm/s
Dec 20 /17 15:04:00	Dec 20 /17 15:04:14	Event recorded Trigger Level: Vert: 0.510 mm/s
Dec 20 /17 15:04:14	Dec 20 /17 15:04:49	No events recorded (Keyboard Exit) Geol: 0.510 mm/s

Close Print

Instantel Minimate Blaster Serial Number BE13456
next Calibration due 1-Jun-18

* Monitor log Shows No Event trigger at time of blast