

6-Dec-16

13:45:59

1
1 ms
1.00 V

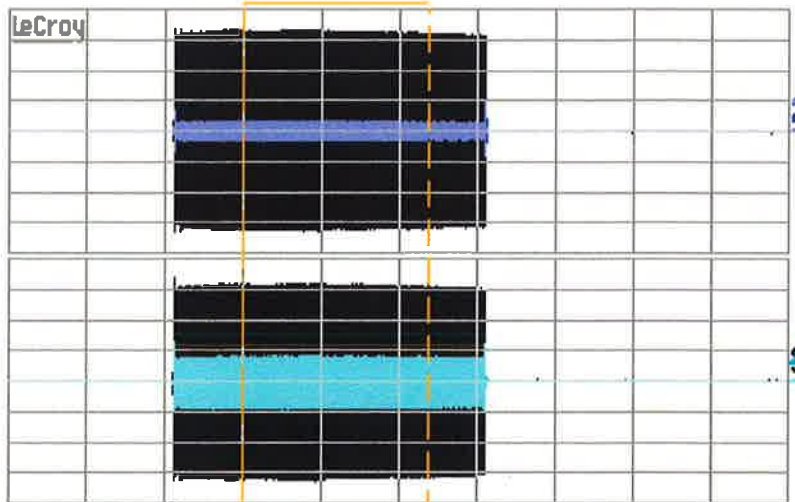
2
1 ms
1.00 V

3
1 ms
1.00 V

4
1 ms
1.00 V

1 ms

1 1 V AC
2 1 V AC
3 1 V AC
4 1 V AC



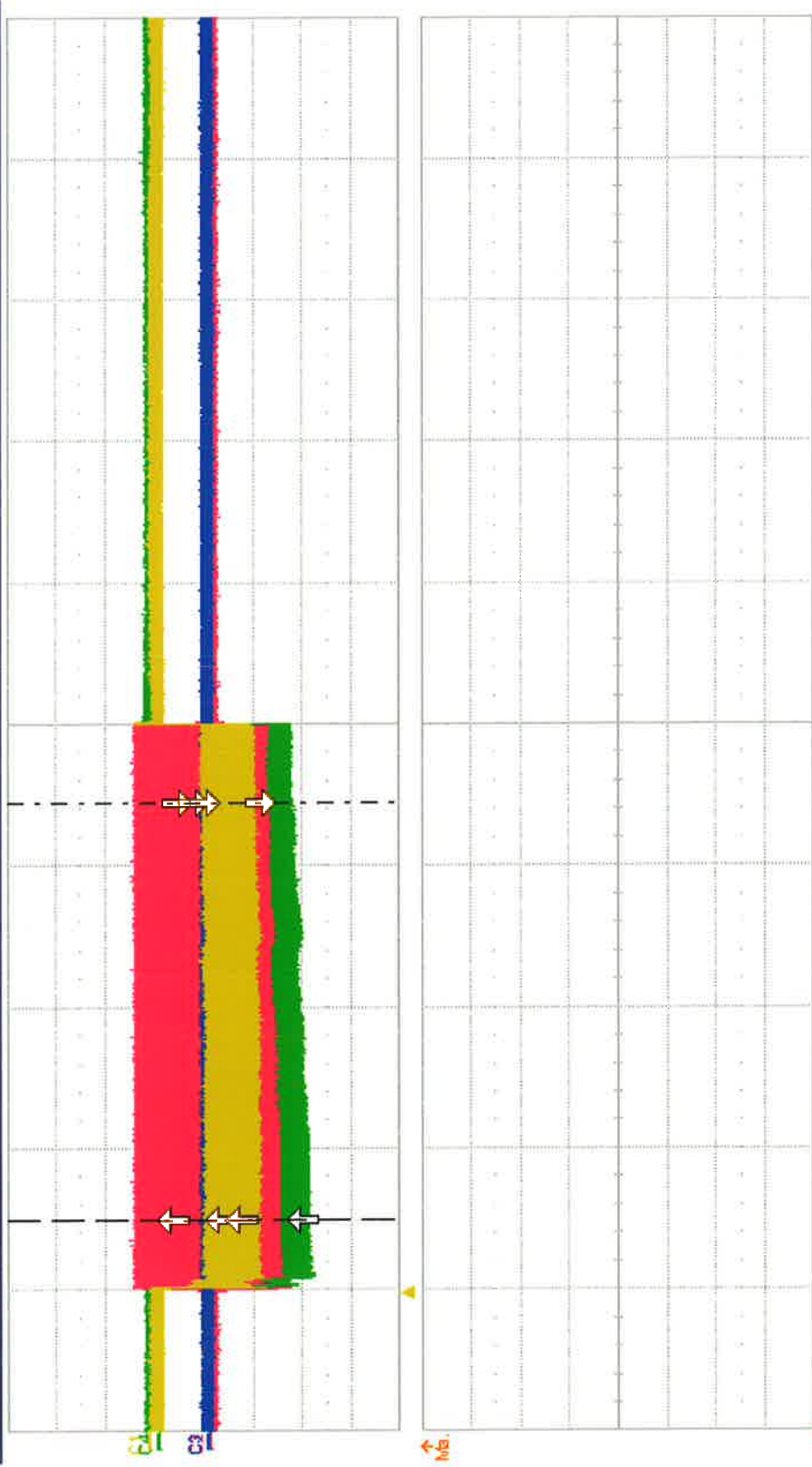
2754 sweeps: average low high sigma
rms(1) 2.291 V 1.819 2.389 0.097
rms(2) 184mV 151 212 14
rms(3) 2.253 V 1.800 2.348 0.092
rms(4) 716mV 437 771 58
phase(1,3) -89 ° -96 -85 2



Ext10 DC 0.05 V 1MΩ

10 MS/s

☐ NORMAL



| Timebase | -4.02 ms | Trigger | Ext/10 100 |
|----------|-------------|---------|-------------|
| 1.00 MS | 1.00 ms/div | Normal | 0.00 V |
| | 100 MS/s | Edge | Negative |
| X1= | 3.46097 ms | ΔX= | -2.94097 ms |
| X2= | 520.00 µs | 1/ΔX= | -340.024 Hz |

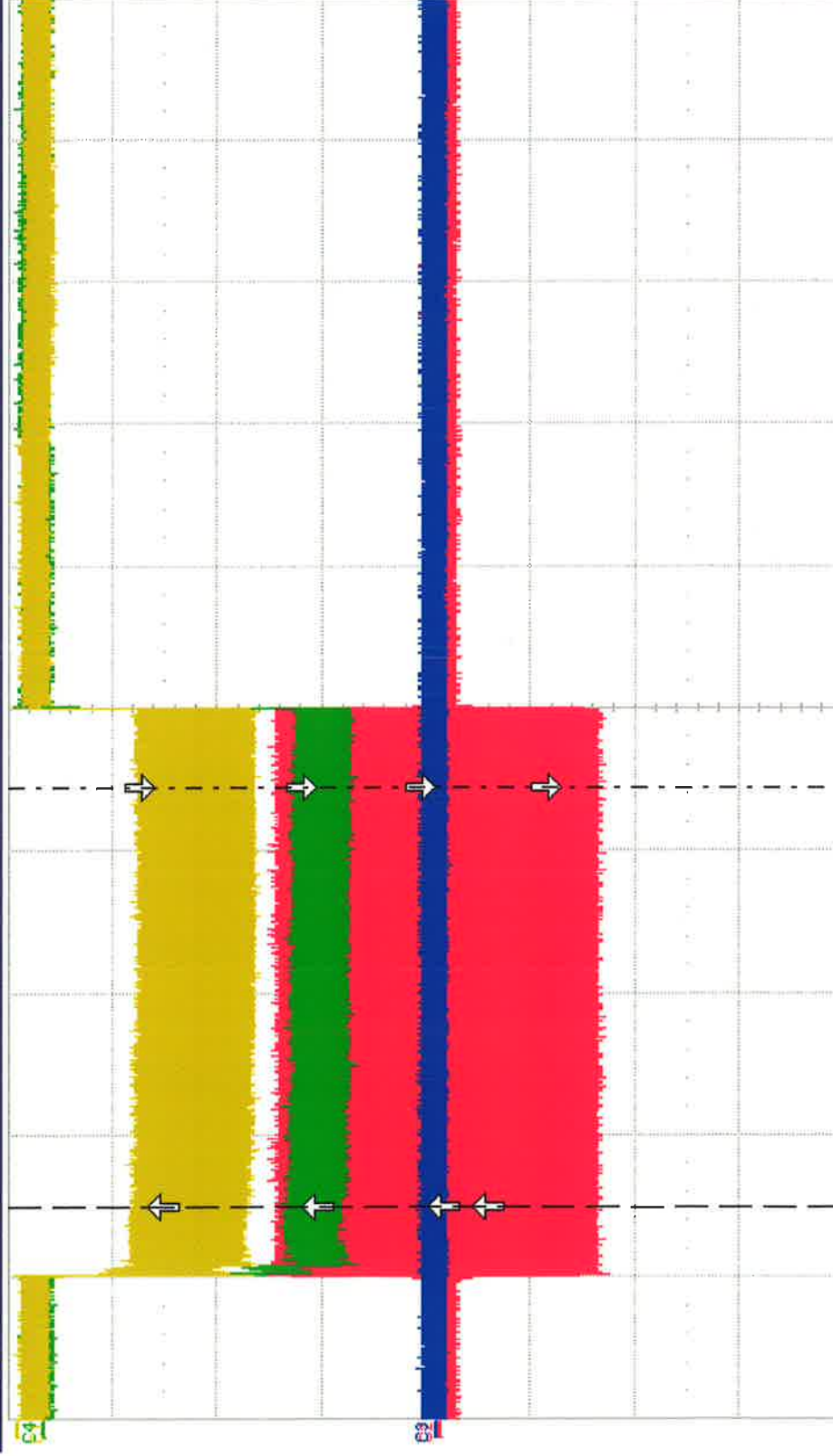
| Math | <FFT(C4)> |
|------------|------------|
| 700 mV/div | 52 kHz/div |
| 3 # | |

| C4 | DCIM |
|--------------|--------------|
| 20.0 mV/div | 18.00 mV/div |
| 18.00 mV/div | 18.00 mV/div |
| Δy | Δy |
| Δy | Δy |
| Δy | Δy |

| C3 | DCIM |
|------------|---------------|
| 50.0 V/div | -5.0 V offset |
| 300 mV | 2.1 V |
| Δy | Δy |
| Δy | Δy |
| Δy | Δy |

| C2 | DCIM |
|------------|-----------------|
| 200 mV/div | -30.0 mV offset |
| 81.5 mV | 211.5 mV |
| Δy | Δy |
| Δy | Δy |
| Δy | Δy |

| C1 | DCIM |
|--------------|--------------|
| 20.0 mV/div | 22.00 mV/div |
| 22.00 mV/div | 22.00 mV/div |
| Δy | Δy |
| Δy | Δy |
| Δy | Δy |



Timebase -4.02 ms
 1.00 MS 1.00 ms/div 100 MS/s
 Trigger Normal Edge Negative

X1= 3.46097 ms ΔX= -2.94097 ms
 X2= 520.00 μs 1/ΔX= -340.024 Hz

12/6/2016 1:57:46 PM

C1 DCIM 20.0 mV/div 78.00 mV ofst
 1 26.02 mV 1.05 mV Δy

C2 DCIM 200 mV/div -30.0 mV ofst
 1 -283.1 mV 1.9 V Δy

C3 DCIM 50.0 V/div -5.0 V ofst
 1 700 mV -1.1 V Δy

C4 DCIM 20.0 mV/div 73.00 mV ofst
 1 -51.75 mV -49.46 mV 2.29 mV Δy

LeCroy

6-Dec-16
14:22:46

1
1 ms
1.00 V

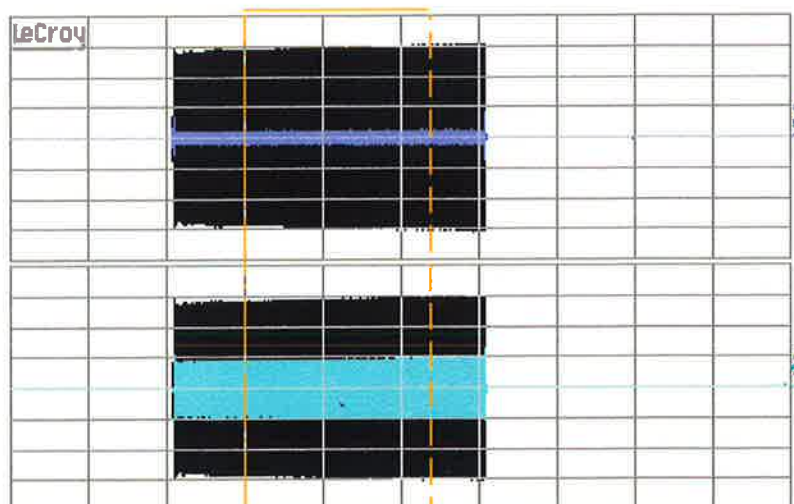
2
1 ms
1.00 V

3
1 ms
1.00 V

4
1 ms
1.00 V

1 ms

1 1 V AC
2 1 V AC
3 1 V AC
4 1 V AC



2198 sweeps:

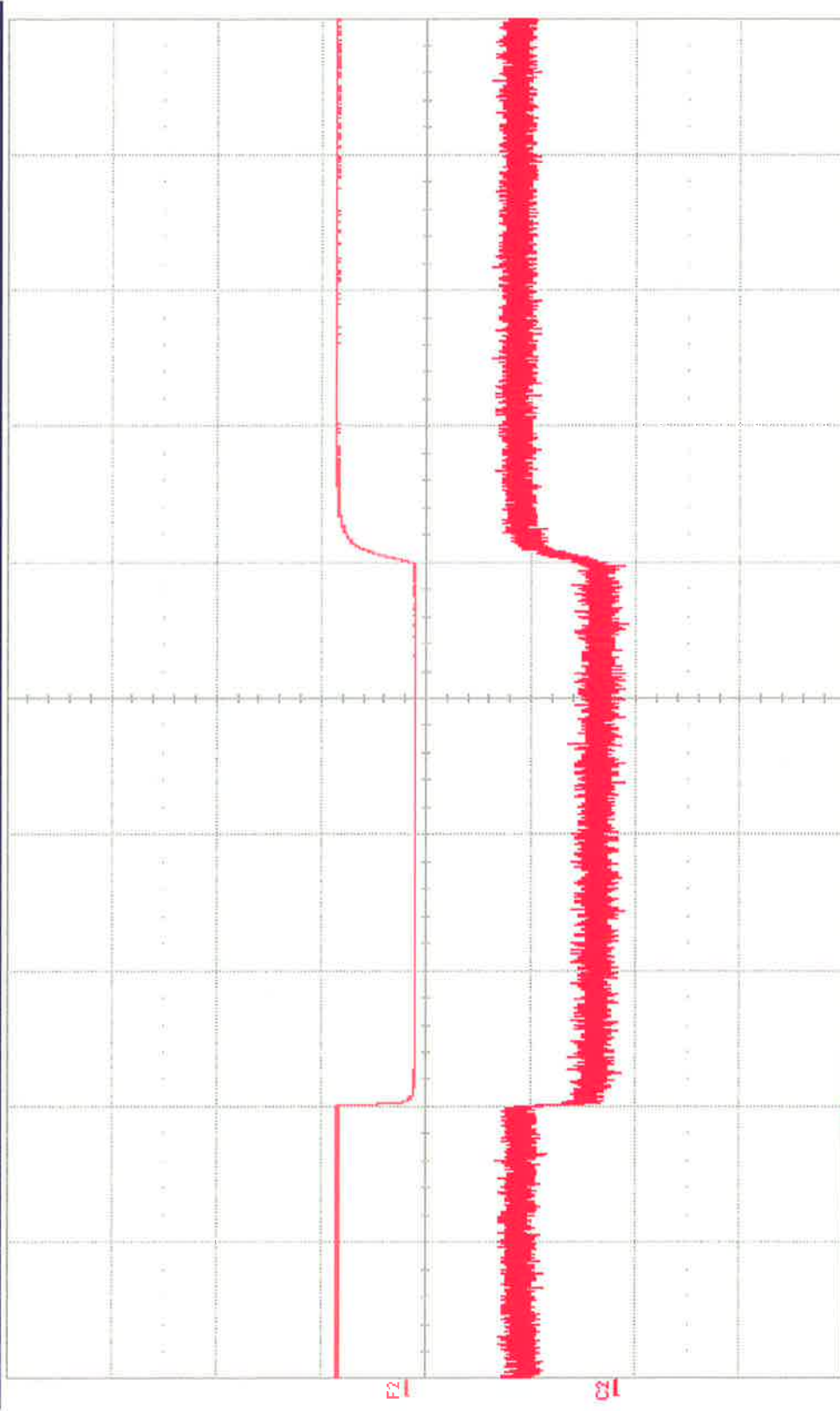
| | average | low | high | sigma |
|------------|---------|-------|-------|-------|
| rms(1) | 2.220 V | 1.820 | 2.389 | 0.136 |
| rms(2) | 171mV | 120 | 209 | 21 |
| rms(3) | 2.183 V | 1.798 | 2.344 | 0.129 |
| rms(4) | 700mV | 429 | 770 | 70 |
| phase(1,3) | -88 ° | -96 | -85 | 2 |



Ext10 DC 0.05 V 1MΩ

10 MS/s

☐ NORMAL



C2 **DCIM** 50.0 mV/div
-91.5 mV

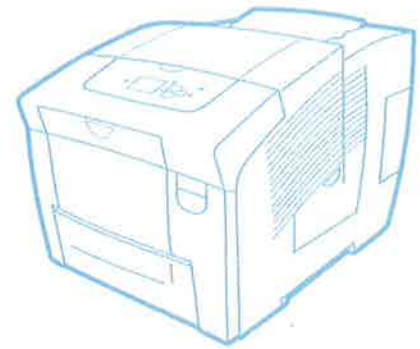
F2 **<C2>** 50.0 mV/div
1.00 ms/div
2.205 k#

Tbase -3.04 ms
1.00 ms/div
100 kS

Trigger **C4 DC**
Normal 2.42 V
Edge Negative

Startup

Printer Name: ColorQube 8570DN-25
 Page Count: 4456
 Serial Number: XFN180554
 Activation Date: SAT JUN 21 03:40:45 2014
 Adobe® PostScript® 3™: 3016.101 (16)
 PCL 5c Version: 5.0
 Firmware Versions: System 1.3.8.P / OS 10.62 / PS 4.10.0 / Eng 23.P1.4.10.0 / Net 42.40.09.02.2011
 Firmware Updated: Factory Original
 PLDs: FPGA 1954_7.21 / PC 13 / IO 4 / IL 16 / PS HW2.30 SW1.00 / HEAD 3 / HCF1 NA / HCF2 NA / HCF3 NA
 Installed RAM: 512 MB
 ROM Fonts Available: 137 PostScript®, 81 PCL®
 Hard Disk: Not Connected
 Duplex Unit: Installed
 Print Quality: Enhanced
 Color Correction: Automatic
 USB 2.0: Language: AutoSelect
 Ethernet®: PhaserShare® Series B Interface for Ethernet® Network
 1000Base-T full duplex, 9C:93:4E:34:6A:8E
 802.1X: Disabled
 EtherTalk®: LaserWriter@*, Node ID: 65502.221
 TCP/IP: Confirmed DNS Name: None
 IPv4 Address: 192.168.30.100
 IPv6 Disabled
 Web Page: <http://192.168.30.100>

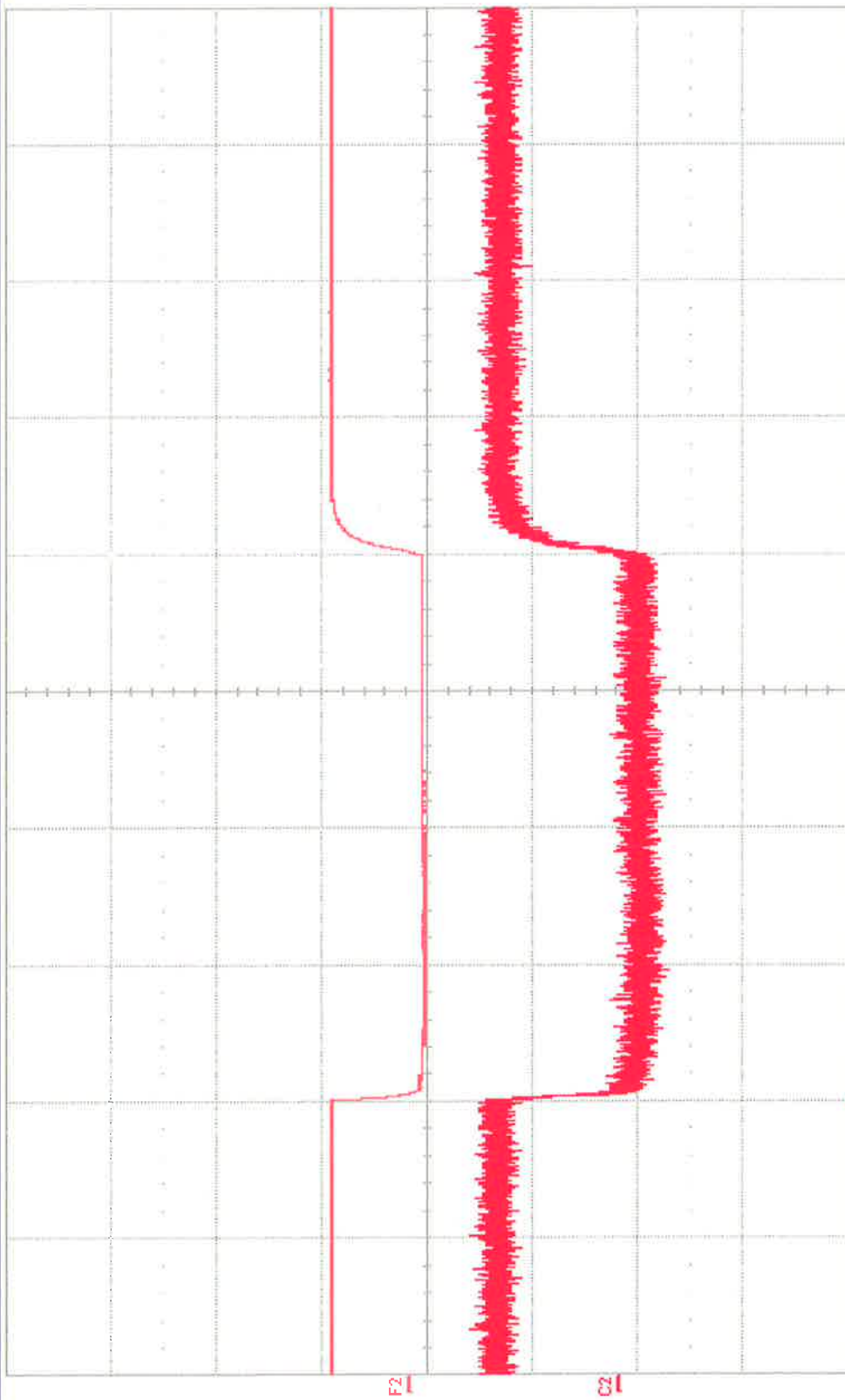


The Startup page prints each time you power up the printer. To turn off this page:

1. At the printer's control panel, select "Printer Setup" then press "OK".
2. Scroll to "Printer Controls" and press "OK".
3. Toggle the "Startup Page" setting to "Off".



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 Adobe Systems Incorporated which may be registered in certain jurisdictions.
 PANTONE® and PANTONE CALIBRATED™ are trademarks of Pantone, Inc.
 Printed On: Dec 7, 2016, 2:36:28



Tbase -3.04 ms
1.00 ms/div
100 kS

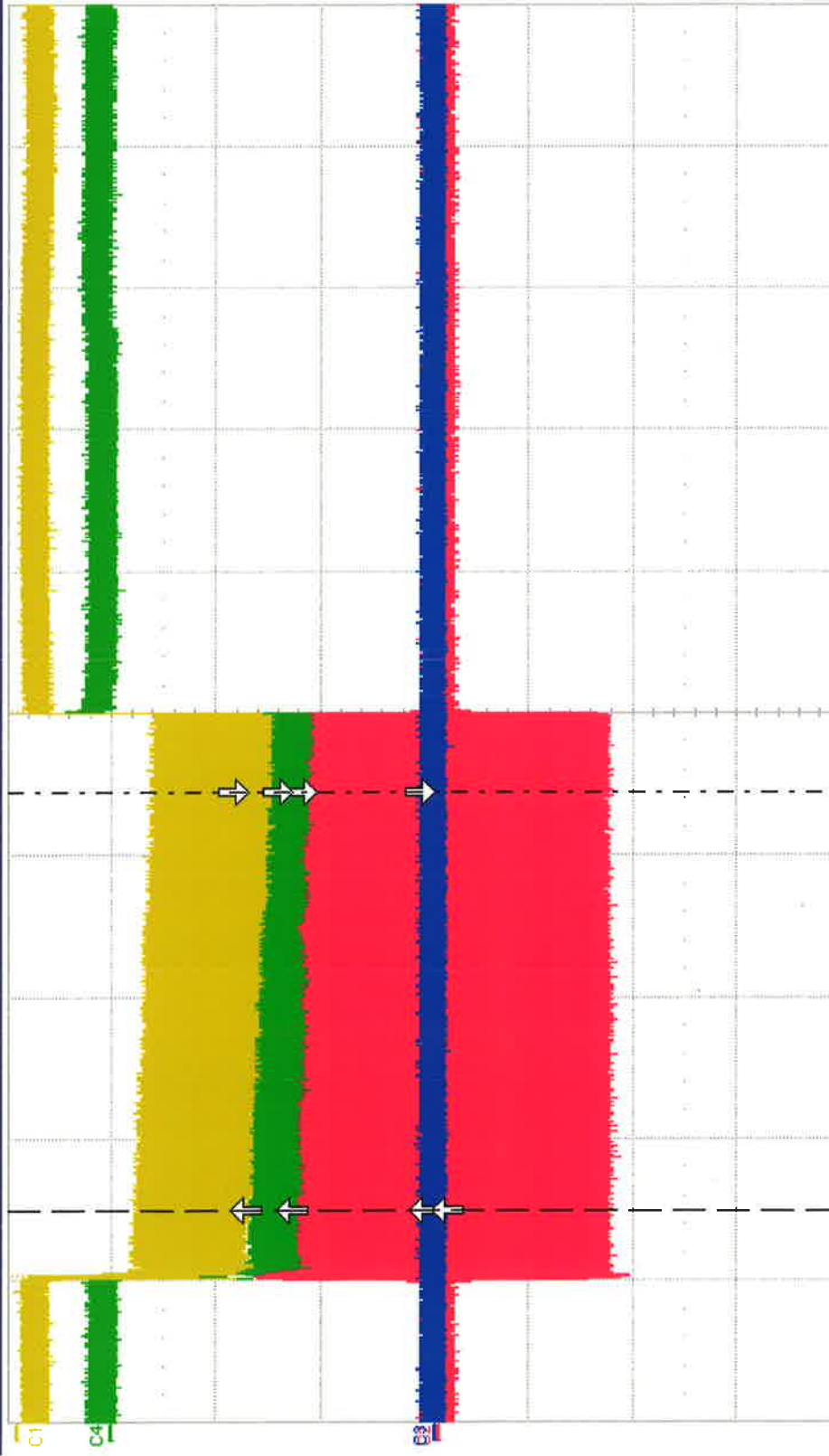
Trigger [C4] DC
Normal 2.42 V
Edge Negative

C2 50.0 mV/div
-91.5 mV

F2 <C2>
50.0 mV/div
1.00 ms/div
2.985 k#

LeCroy

12/6/2016 2:35:50 PM



Timebase -4.02 ms
 1.00 MS 1.00 ms/div 100 MS/s
 Trigger Normal Edge Negative
 Ext/10 DC

X1= 3.46097 ms ΔX= -2.94097 ms
 X2= 520.00 μs 1/ΔX= -340.024 Hz

12/6/2016 2:36:16 PM

C1 DCIM 20.0 mV/div 78.00 mV ofst -44.03 mV -41.05 mV 2.98 mV Δy
 C2 DCIM 200 mV/div -30.0 mV ofst 236.2 mV 54.6 mV -183.6 mV Δy
 C3 DCIM 50.0 V/div -5.0 V ofst 500 mV 500 mV 0.0 V Δy
 C4 DCIM 20.0 mV/div 80.00 mV ofst -34.54 mV -32.04 mV 2.50 mV Δy

LeCroy

6-Dec-16
14:36:53

1
1 ms
1.00 V

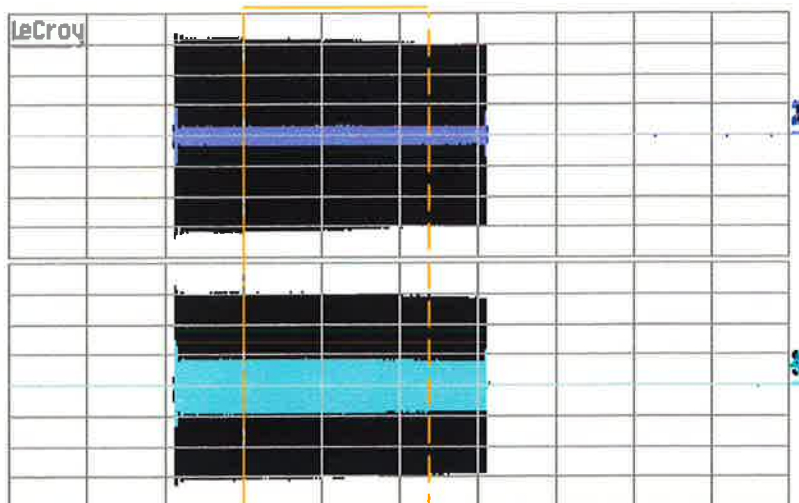
2
1 ms
1.00 V

3
1 ms
1.00 V

4
1 ms
1.00 V

1 ms

1 1 V AC
2 1 V AC
3 1 V AC
4 1 V AC



| | 126 sweeps: | average | low | high | sigma |
|------------|-------------|---------|-------|-------|-------|
| rms(1) | | 2.265 V | 2.045 | 2.376 | 0.111 |
| rms(2) | | 207mV | 181 | 225 | 15 |
| rms(3) | | 2.182 V | 1.987 | 2.279 | 0.097 |
| rms(4) | | 636mV | 570 | 675 | 33 |
| phase(1,3) | | -88 ° | -93 | -85 | 2 |



Ext10 DC 0.05 V 1MΩ

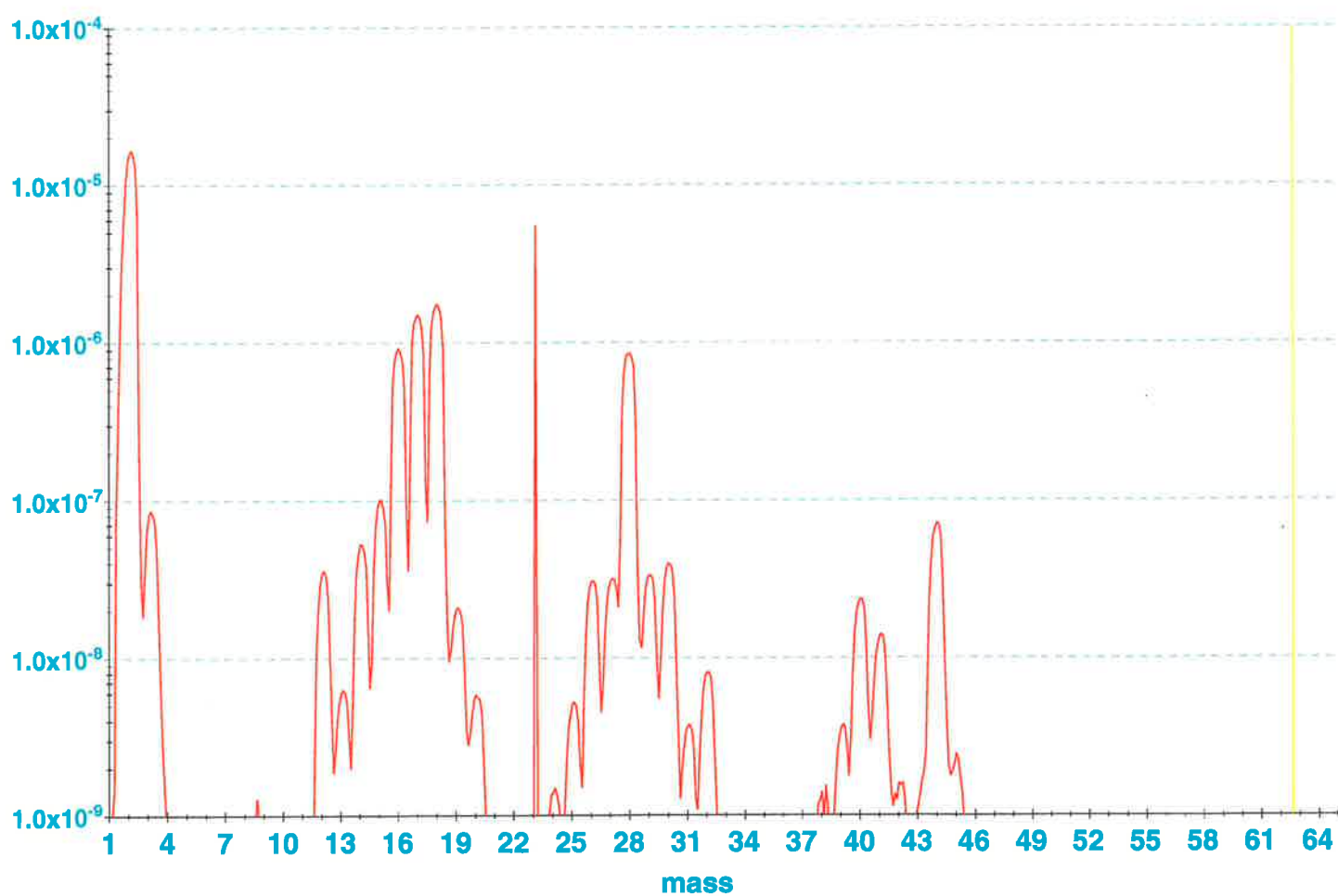
10 MS/s

☐ NORMAL

Analog Scan

Dec 06, 2016 02:40:38 PM

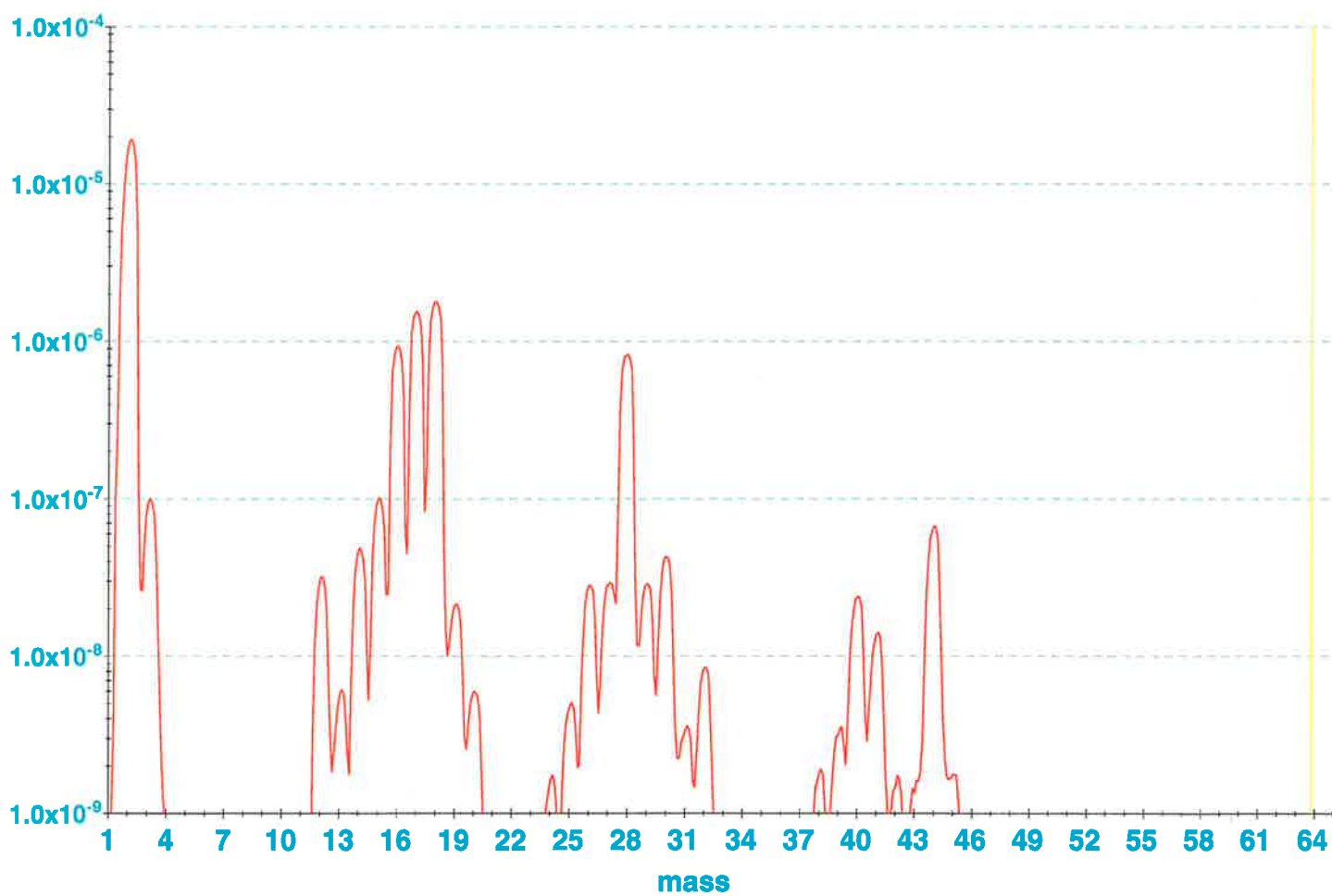
Torr



Analog Scan

Dec 06, 2016 02:41:23 PM

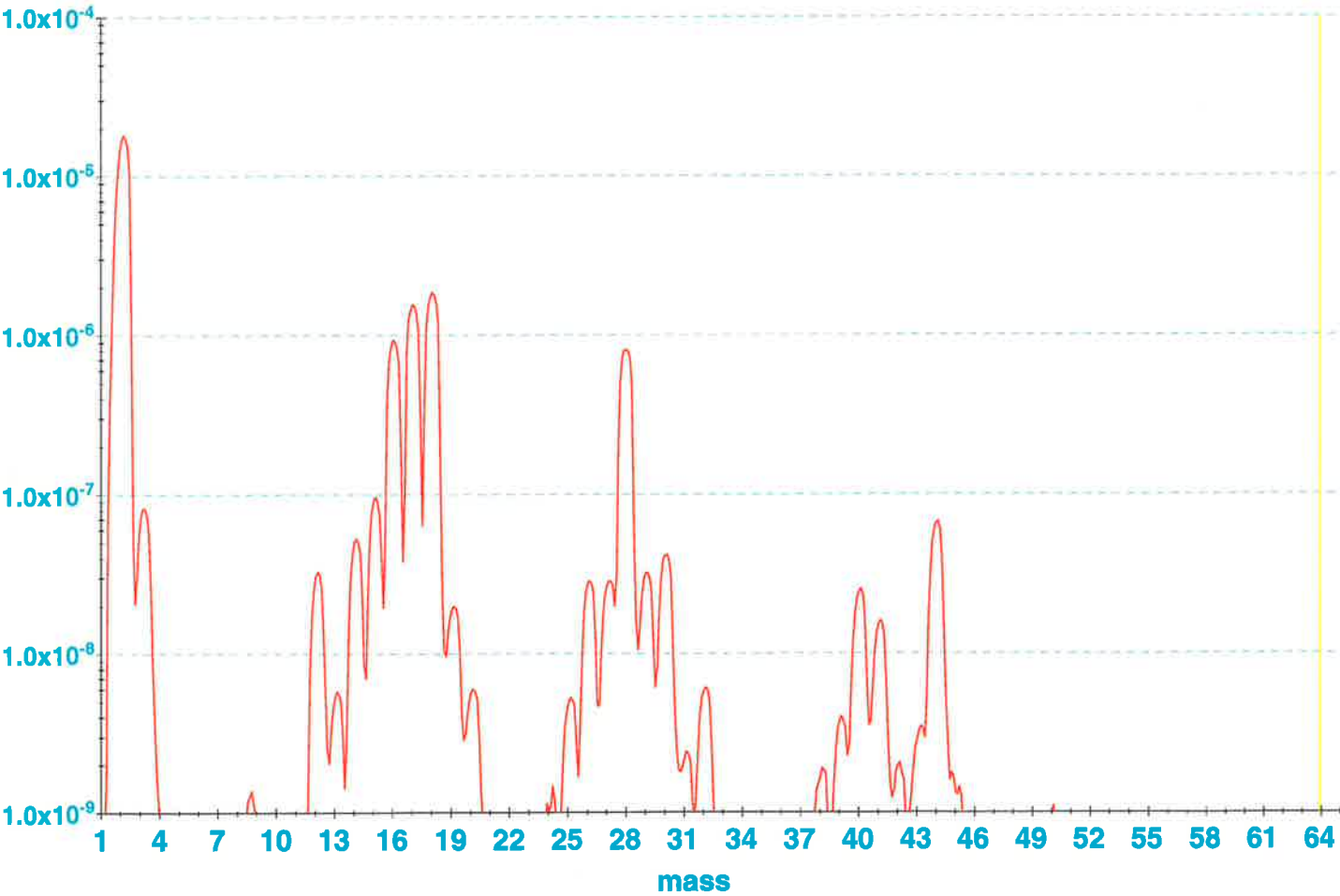
Torr



Analog Scan

Dec 06, 2016 02:47:54 PM

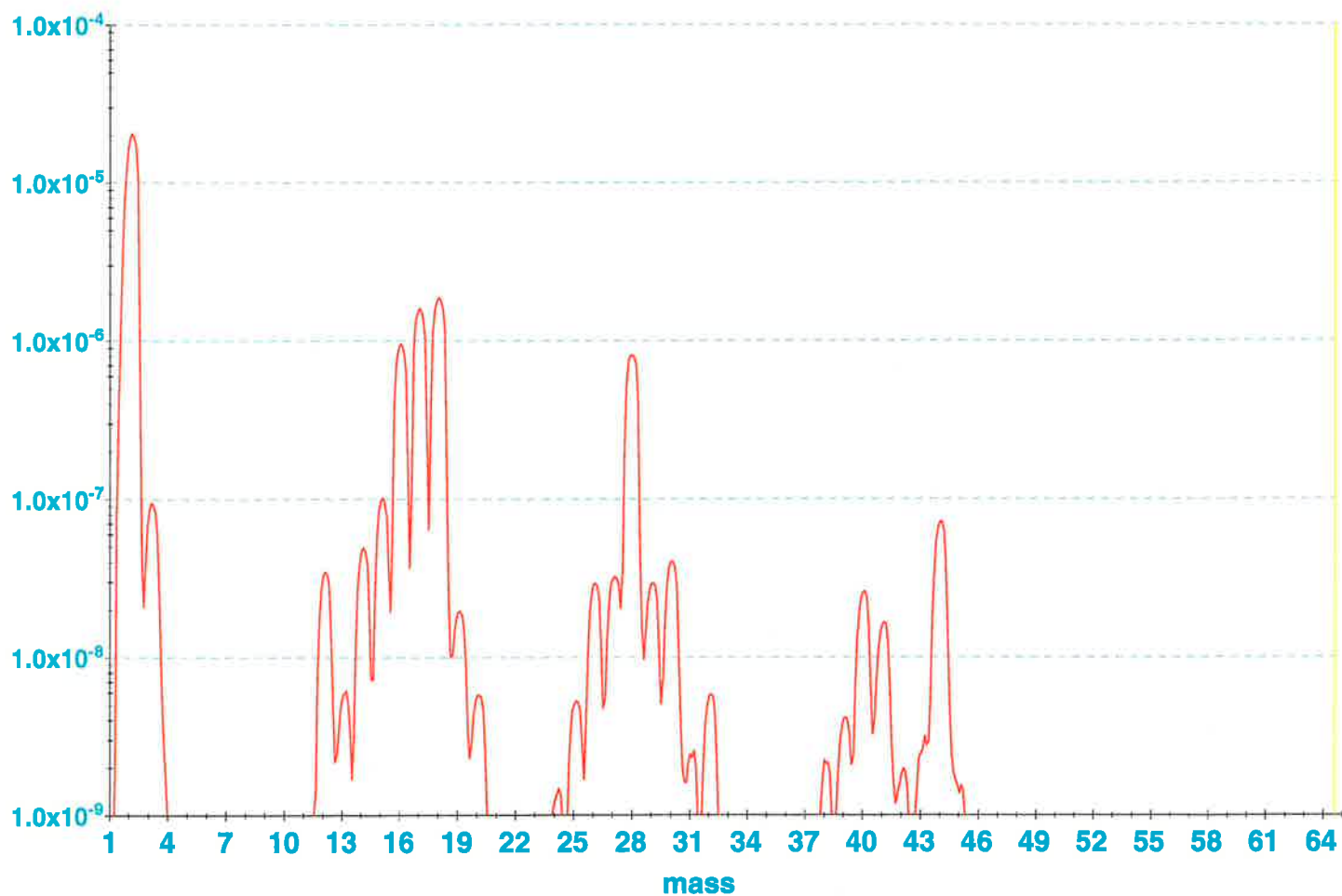
Torr



Analog Scan

Dec 06, 2016 02:52:35 PM

Torr



TOT

Analog Scan

Dec 06, 2016 02:52:35 PM
X = 65.0 Y = 0.00e+000



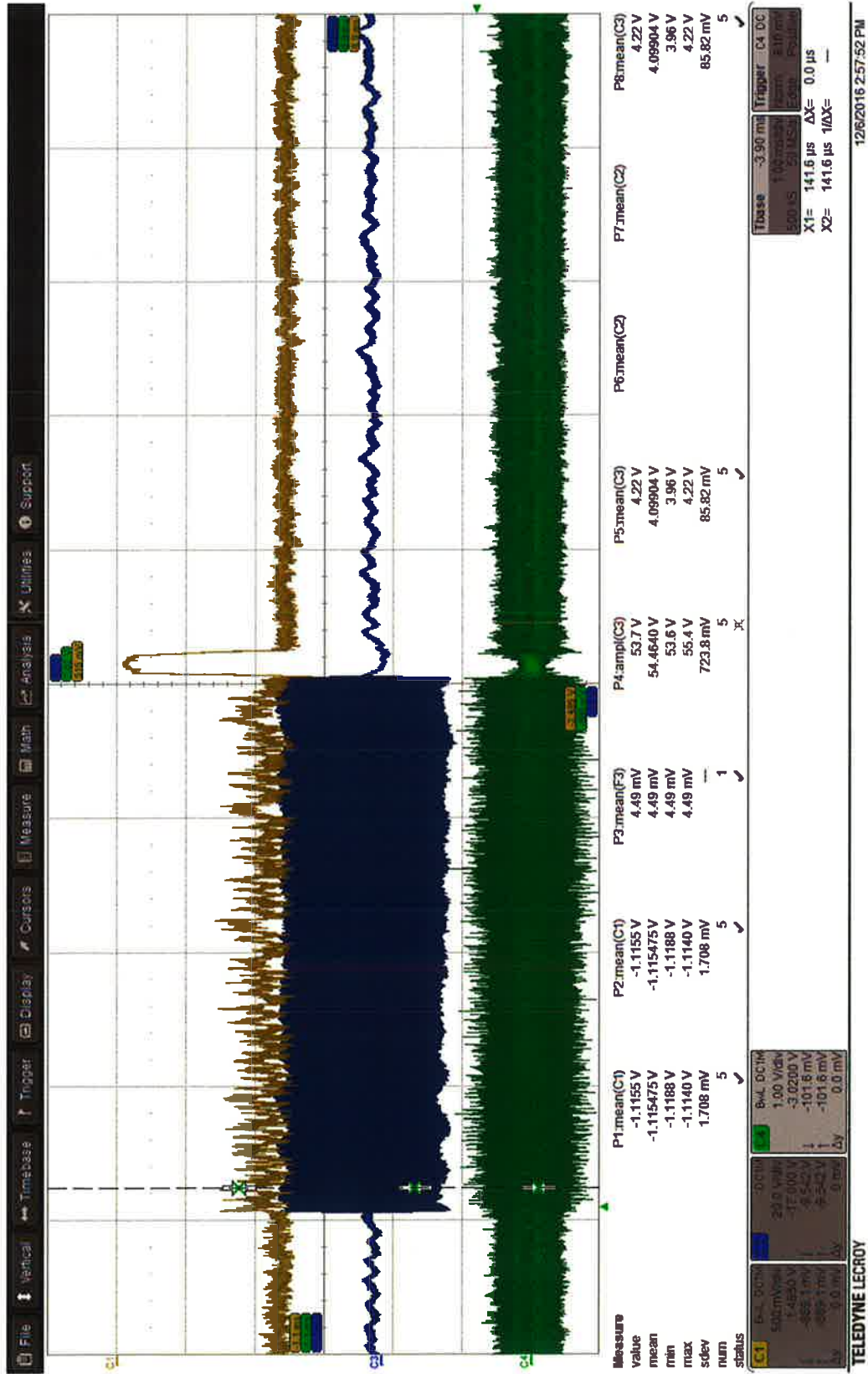
Analysis for (gas)

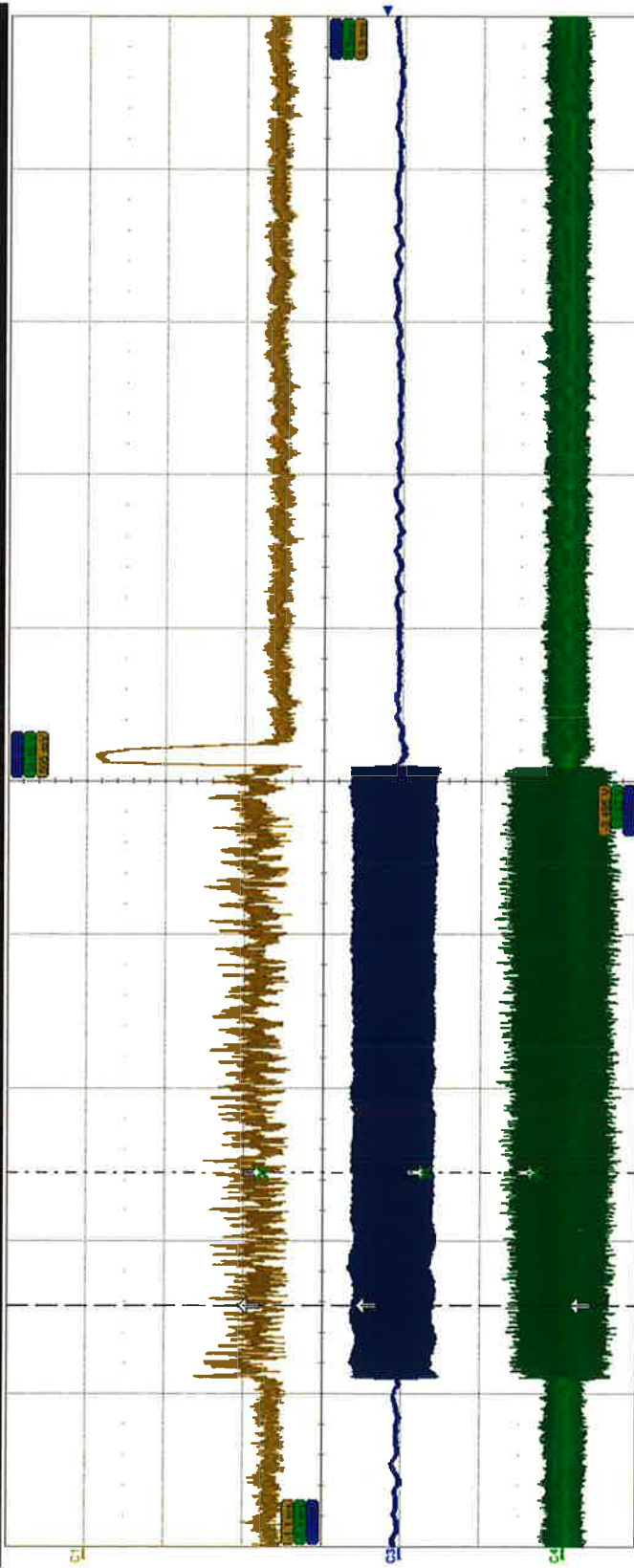


Update

| | |
|-----------------|-------|
| Carbon dioxide | 0.4% |
| Carbon monoxide | 6.8% |
| Ethane | 0.0% |
| Ethene | 0.9% |
| Hydrogen | 77.5% |
| Methane | 3.5% |
| NO | 0.3% |
| Nitrogen | 0.0% |
| Oxygen | 0.1% |
| Water | 10.5% |
| | |
| | |

Close





| Measure | P1:mean(C1) | P2:mean(C1) | P3:mean(F3) | P4:ampl(C3) | P5:mean(C3) | P6:mean(C2) | P7:mean(C2) | P8:mean(C3) |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| value | -1.1342 V | -1.1342 V | -10.65 mV | 58.3 V | 4.17 V | | | 4.17 V |
| mean | -1.130019 V | -1.130019 V | -10.65 mV | 59.470 V | 4.15995 V | | | 4.15188 V |
| min | -1.1345 V | -1.1345 V | -10.65 mV | 56.8 V | 4.01 V | | | 4.01 V |
| max | -1.1238 V | -1.1238 V | -10.65 mV | 62.3 V | 4.26 V | | | 4.26 V |
| stdv | 4.556 mV | 4.556 mV | — | 1.611 V | 64.50 mV | | | 63.01 mV |
| num | 7 | 7 | 1 | 10 | 10 | | | 9 |
| Status | ✓ | ✓ | ✓ | ✗ | ✓ | | | ✓ |

500 mV/div

1.4950 V

-1.1138 V

-978.4 mV

Δv 135.4 mV

50.0 V/div

-58.50 V

13.50 V

28.34 V

Δv 43.83 V

2.00 V/div

-0.1000 V

7.637 mV

-183.5 mV

Δv 987.2 mV

3.90 ms

100 ms/div

8.00 ms

50 μs

Trigger C3:dc

Normal 11.0 V

Edge

X1= 1.3455 ms ΔX= -871.92 μs

X2= 473.54 μs ΔX= -1.1469 kHz

6-Dec-16
15:04:55

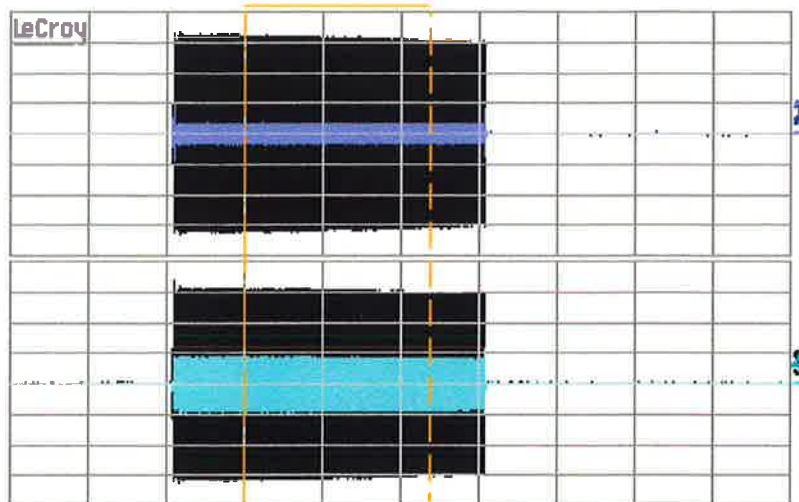
1
1 ms
1.00 V

2
1 ms
1.00 V

3
1 ms
1.00 V

4
1 ms
1.00 V

1 ms
1 1 V AC
2 1 V AC
3 1 V AC
4 1 V AC



1803 sweeps:

| | average | low | high | sigma |
|------------|---------|-------|-------|-------|
| rms(1) | 2.193 V | 1.946 | 2.376 | 0.099 |
| rms(2) | 218mV | 178 | 246 | 17 |
| rms(3) | 2.135 V | 1.905 | 2.279 | 0.088 |
| rms(4) | 610mV | 496 | 675 | 31 |
| phase(1,3) | -88 ° | -94 | -85 | 2 |



Ext10 DC 0.05 V 1M Ω

10 MS/s

☐ NORMAL

6-Dec-16
15:42:21

1
1 ms
1.00 V

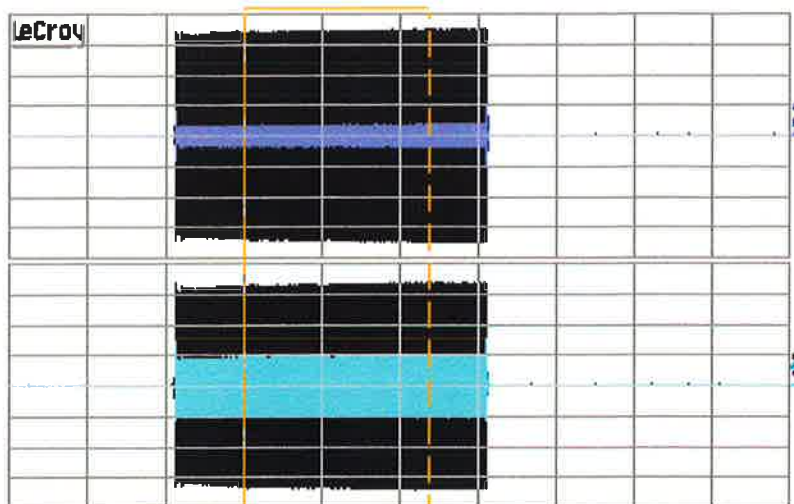
2
1 ms
1.00 V

3
1 ms
1.00 V

4
1 ms
1.00 V

1 ms

1 1 V AC
2 1 V AC
3 1 V AC
4 1 V AC



225 sweeps:

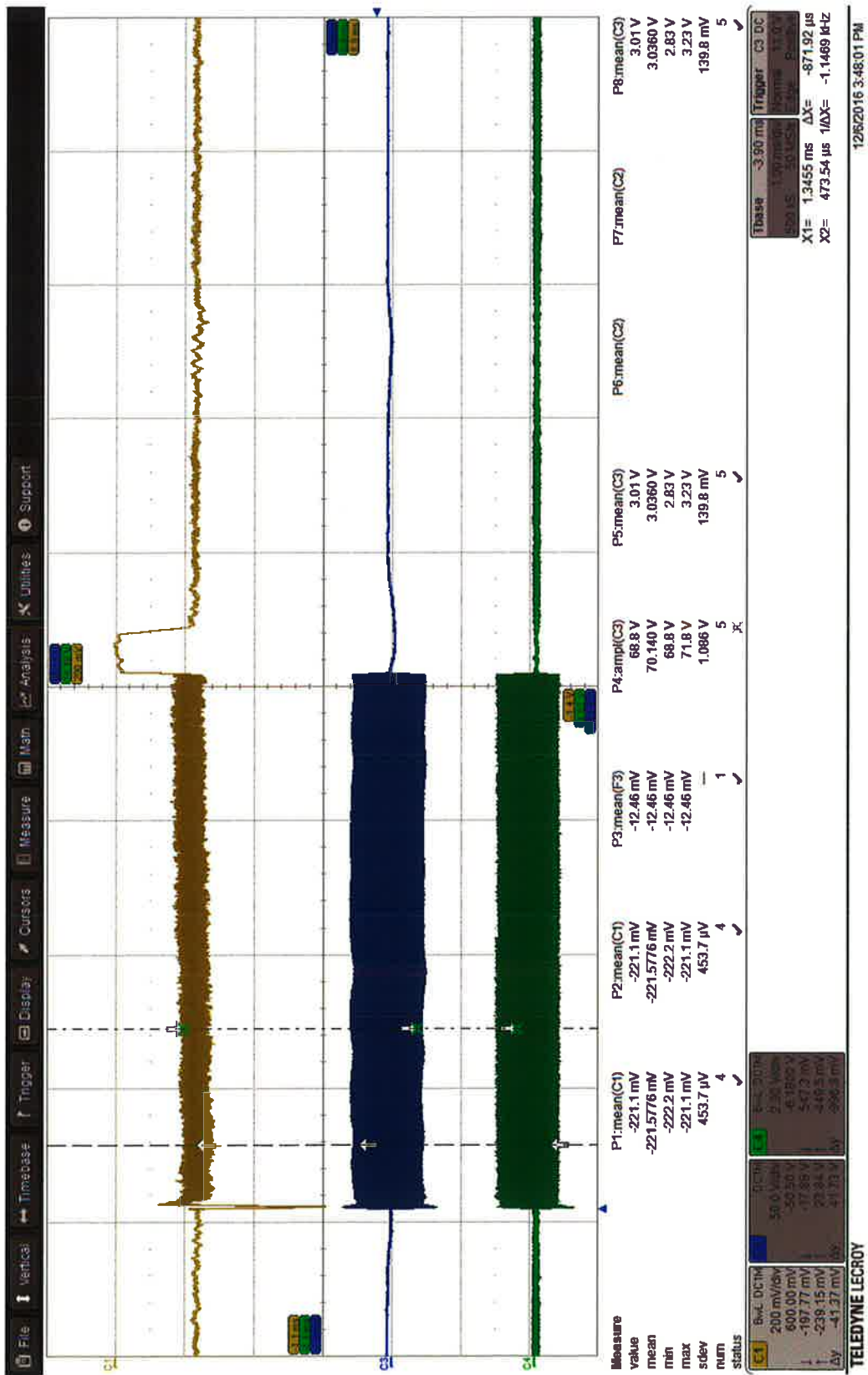
| | average | low | high | sigma |
|------------|---------|-------|-------|-------|
| rms(1) | 2.369 V | 2.190 | 2.462 | 0.046 |
| rms(2) | 232mV | 216 | 244 | 7 |
| rms(3) | 2.291 V | 2.118 | 2.373 | 0.041 |
| rms(4) | 681mV | 585 | 703 | 13 |
| phase(1,3) | -88 ° | -93 | -85 | 2 |



Ext10 DC 0.05 V 1MΩ

10 MS/s

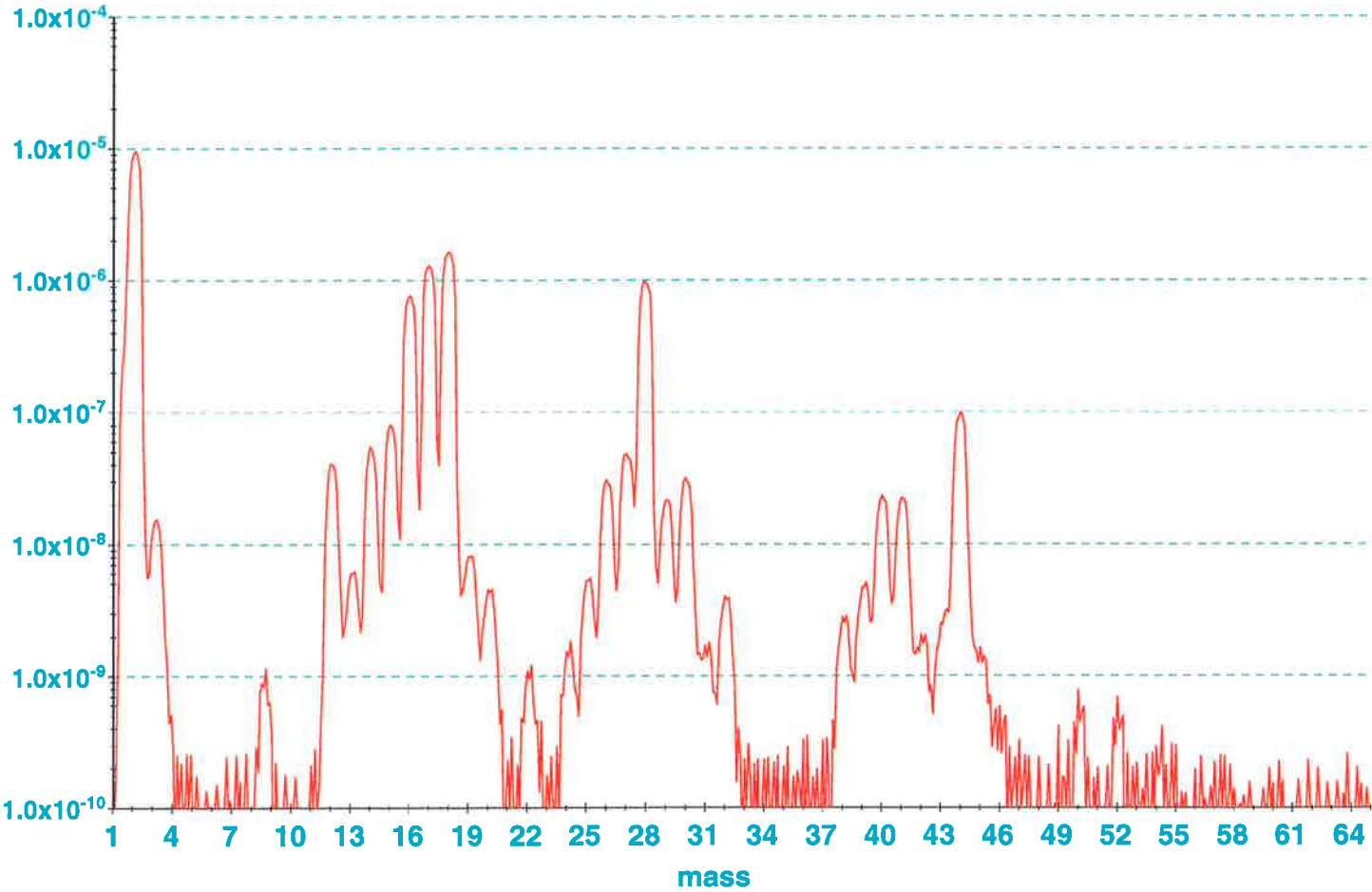
☐ NORMAL

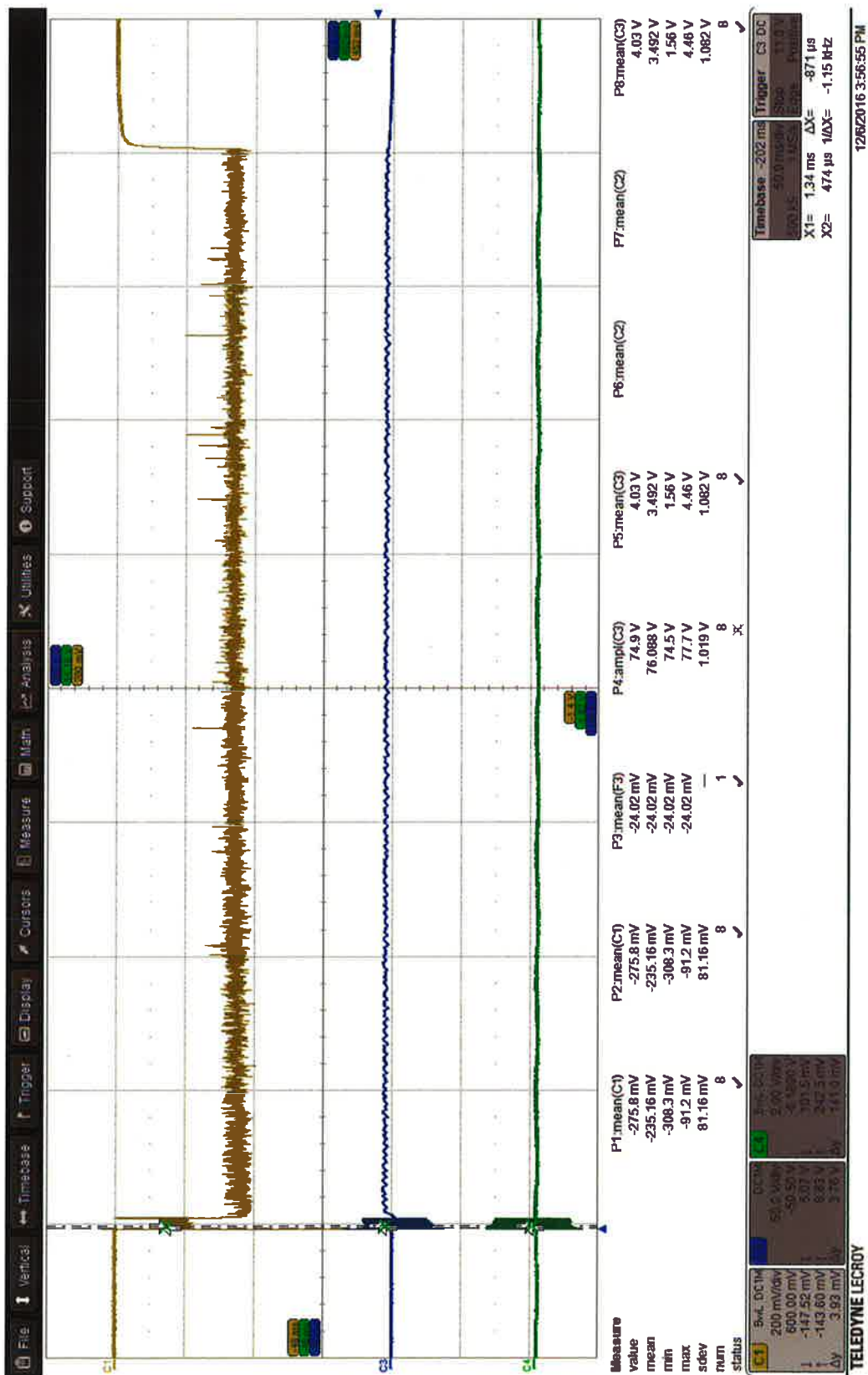


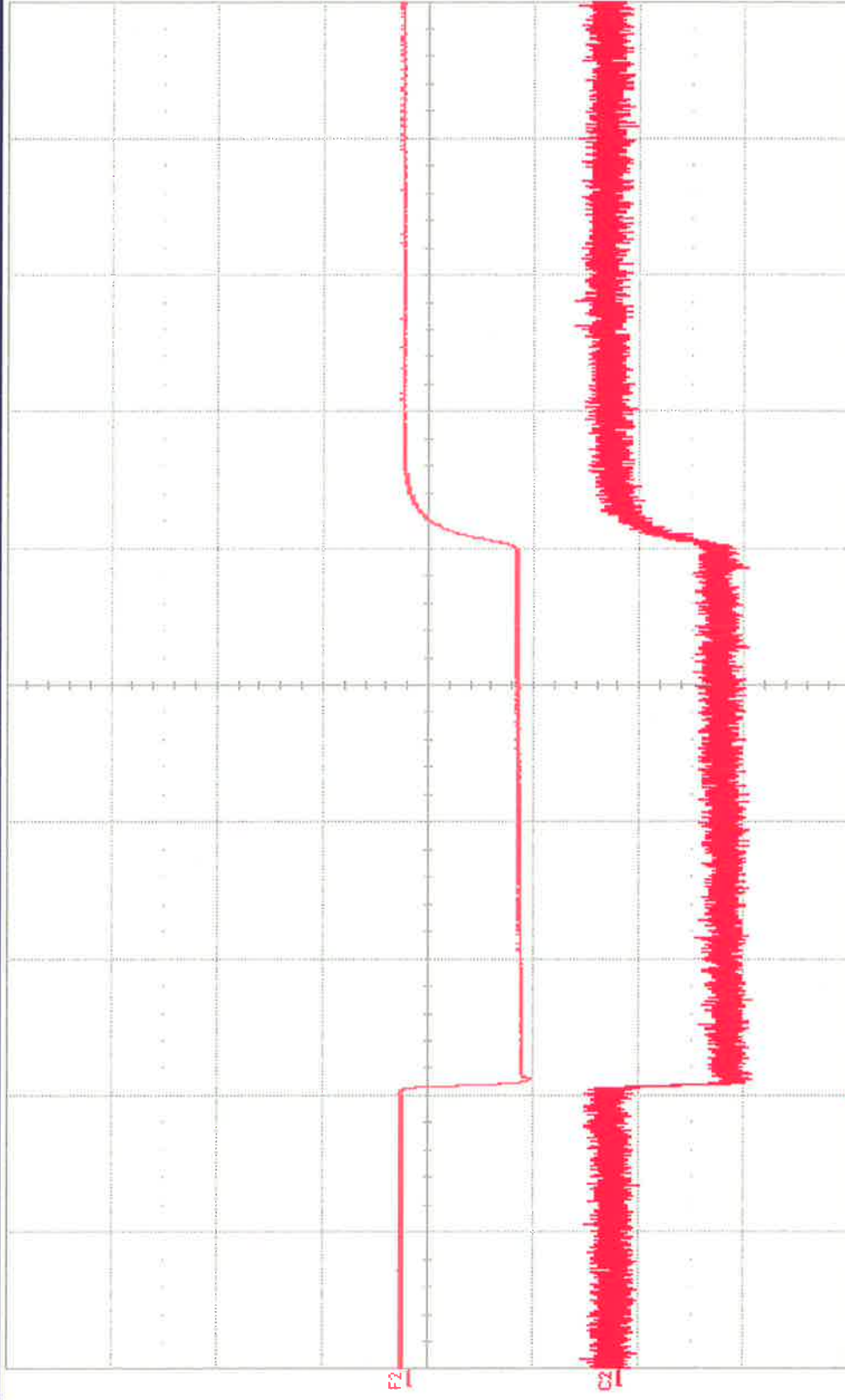
Analog Scan

Torr

X = 1.0 Y = 7.84e-011





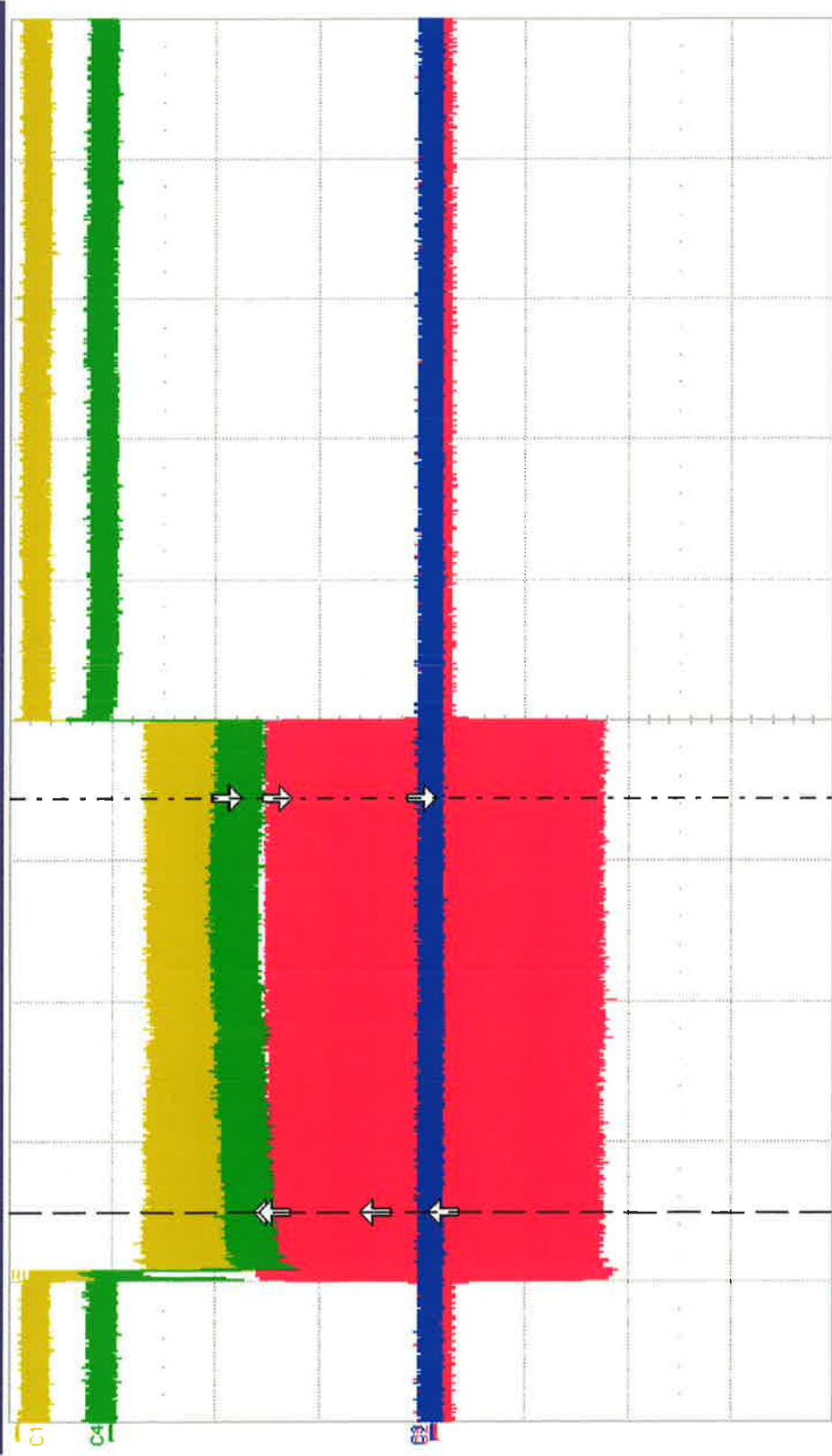


C2 50.0 mV/div
-91.5 mV

F2 50.0 mV/div
1.00 ms/div
228 #

Tbase -3.04 ms
1.00 ms/div
100 kS

Trigger C4 DC
Normal 2.42 V
Edge Negative



C1

DCIM

20.0 mV/div

78.00 mV orst

↓

-42.53 mV

↑

-45.56 mV

Δy

-3.13 mV

C2

DCIM

200 mV/div

-30.0 mV orst

↓

286.3 mV

↑

145.8 mV

Δy

-140.5 mV

C3

DCIM

50.0 V/div

-5.0 V offset

↓

-1.6 V

↑

1.9 V

Δy

3.5 V

C4

DCIM

20.0 mV/div

80.00 mV orst

↓

-24.84 mV

↑

-28.75 mV

Δy

-3.91 mV

Timebase

-4.02 ms

1.00 MS

1.00 ms/div

100 MS/s

Trigger

Edge

ExtIO

DC

X1=

3.46097 ms

ΔX=

-2.94097 ms

X2=

520.00 μs

1/ΔX=

-340.024 Hz

12/6/2016 4:01:30 PM

LeCroy