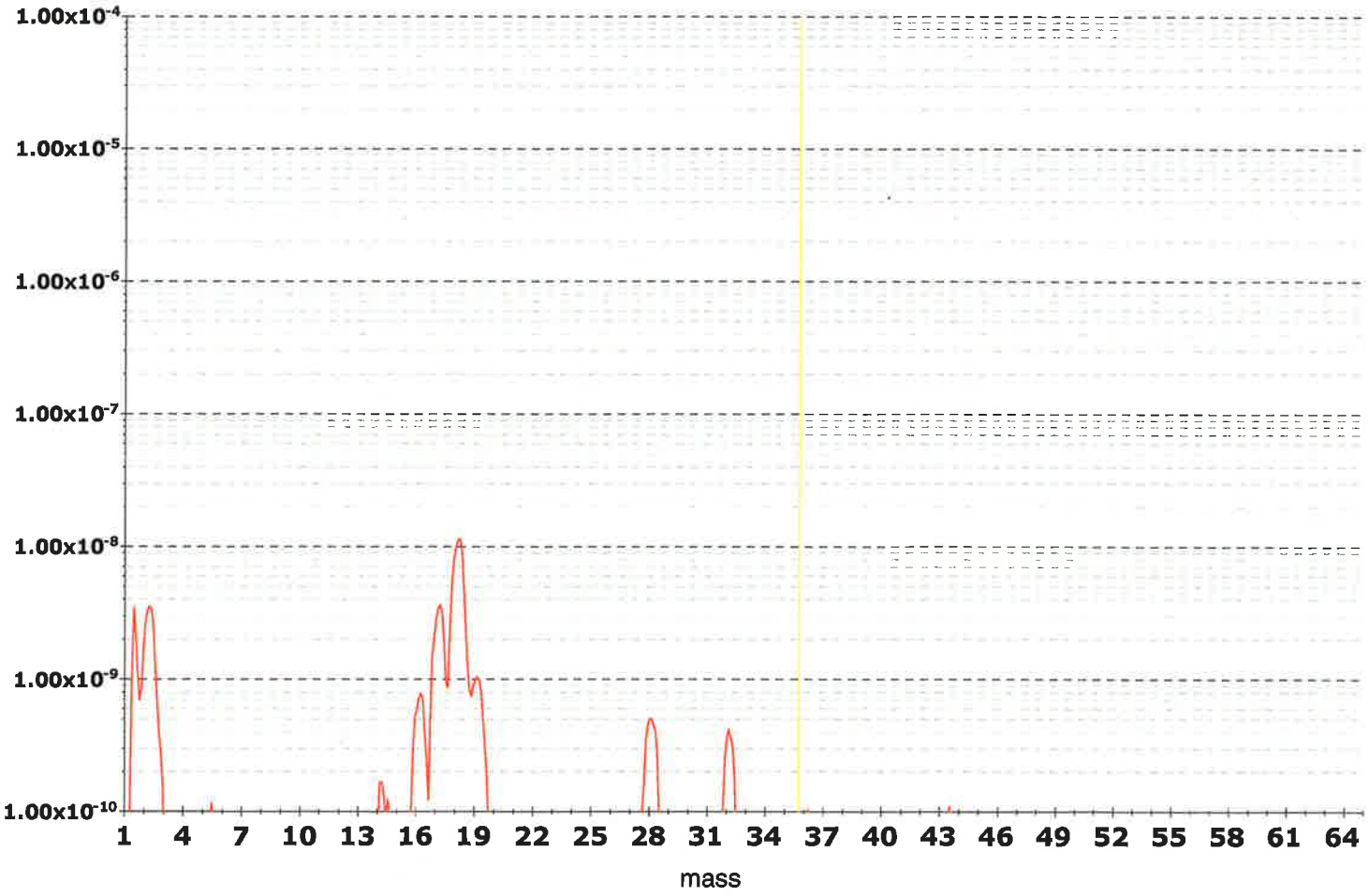
PFRC FEC RGA Analog Scan

Torr

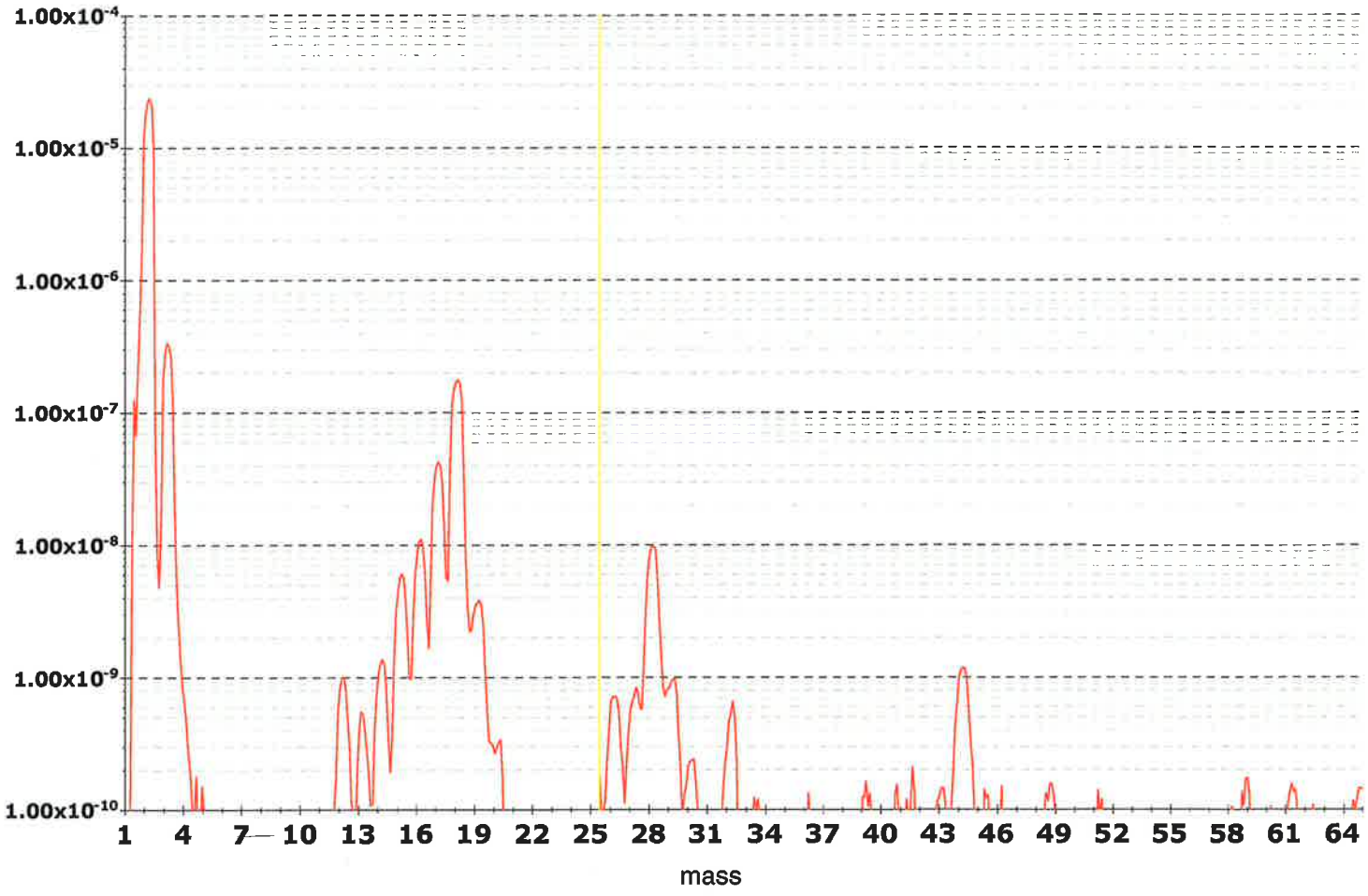
Log every scan: 3
Oct 27, 2020 09:10:13 AM

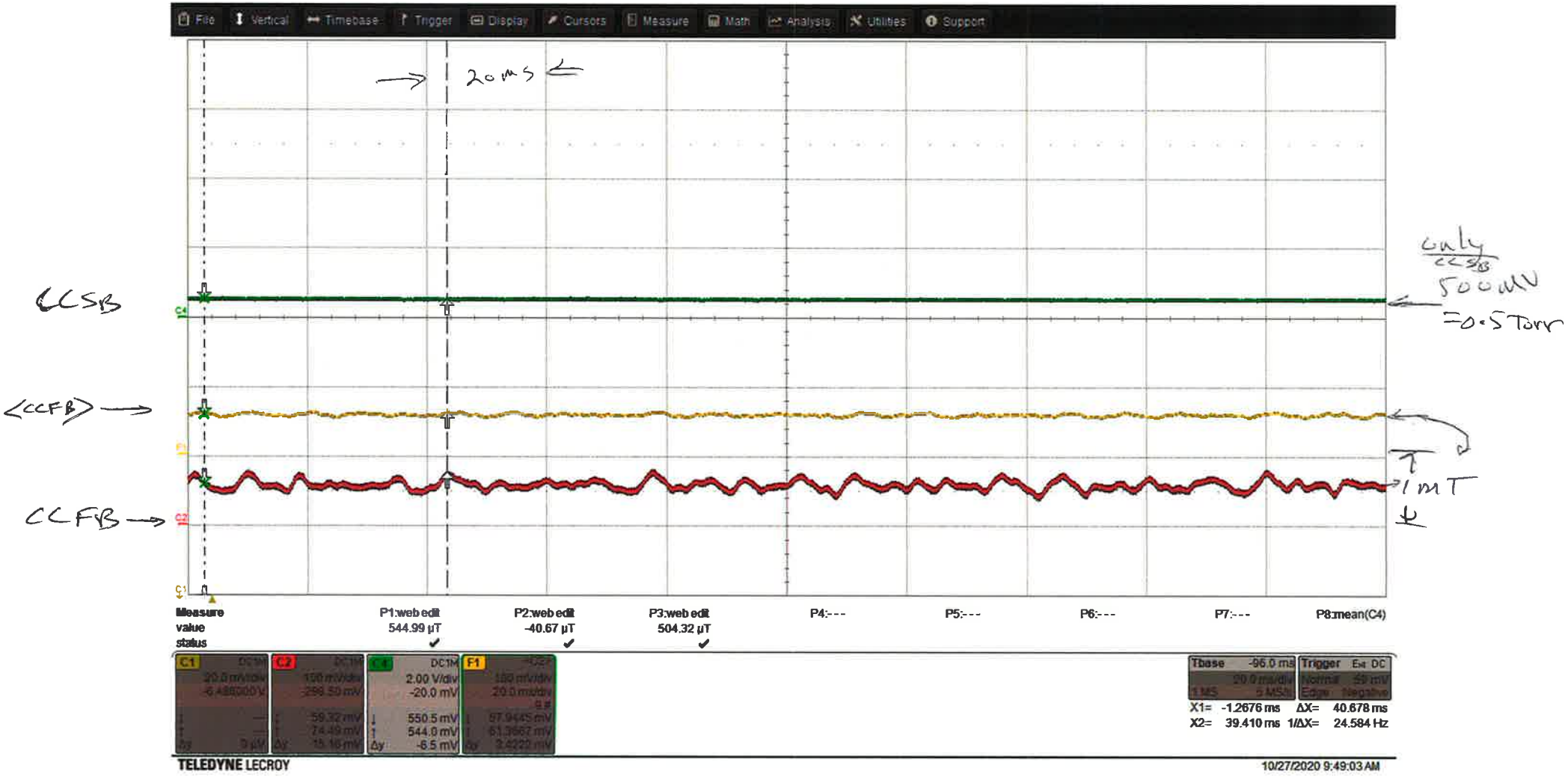


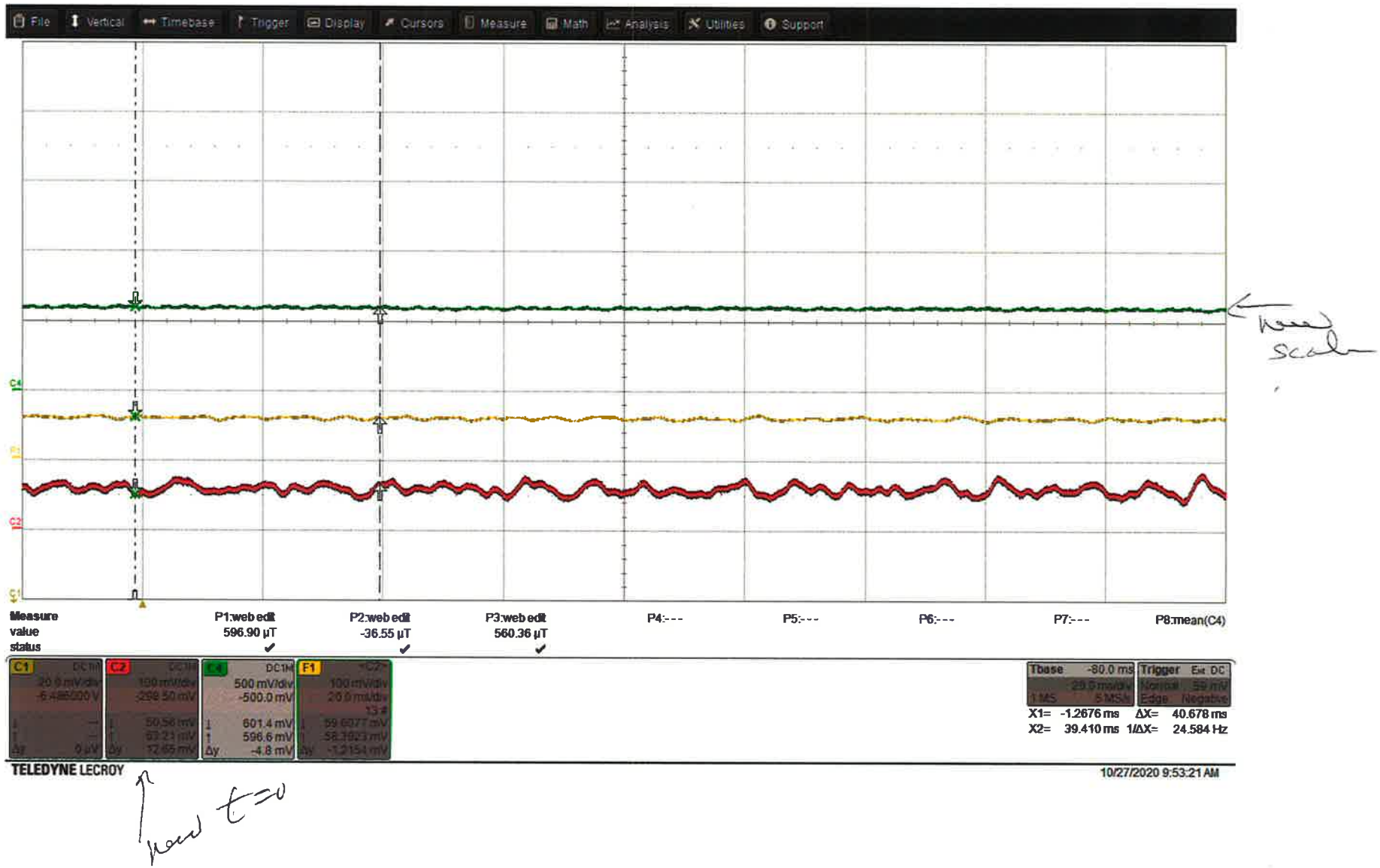
PFRC FEC RGA Analog Scan

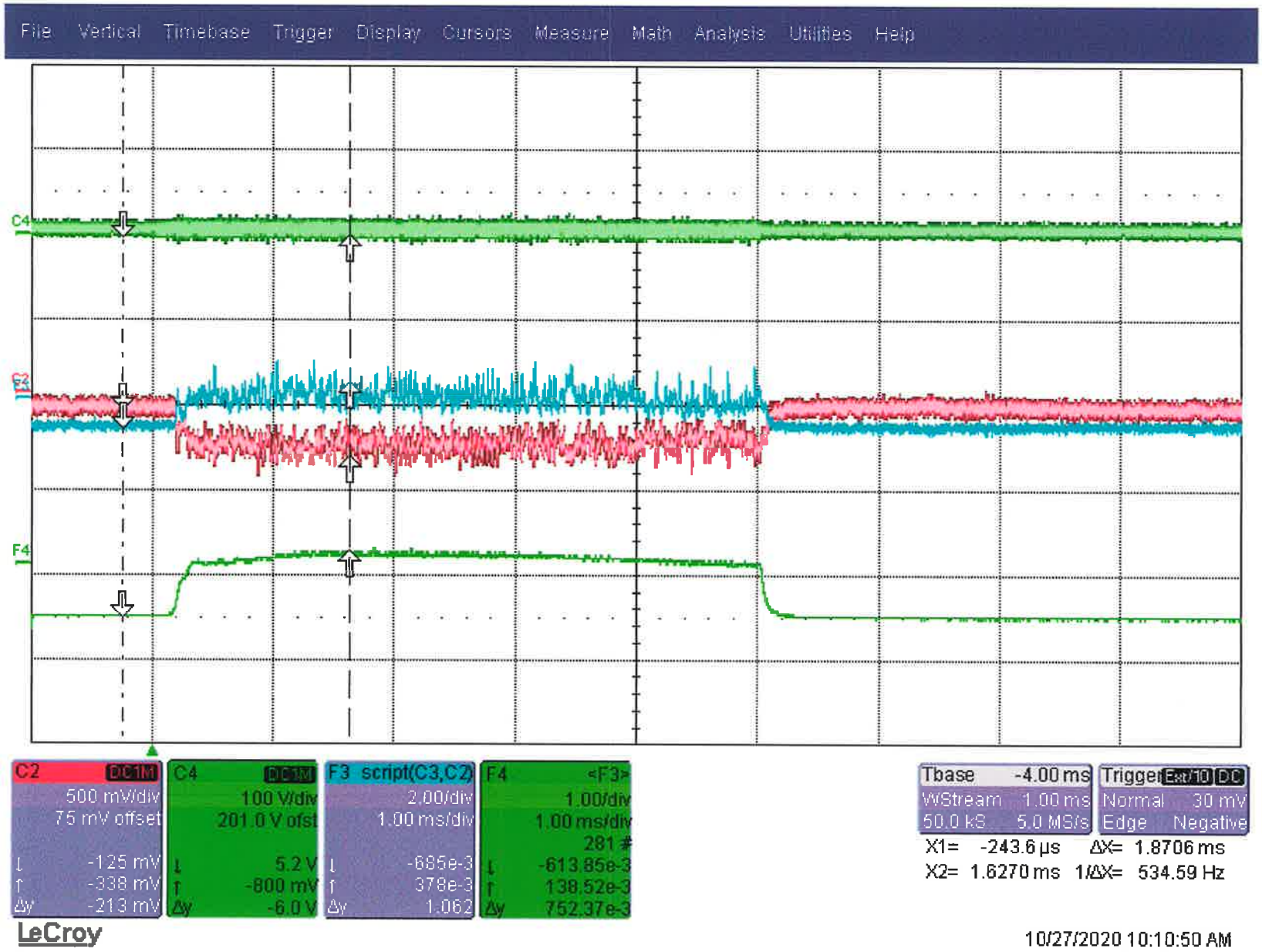
Log every scan: 16

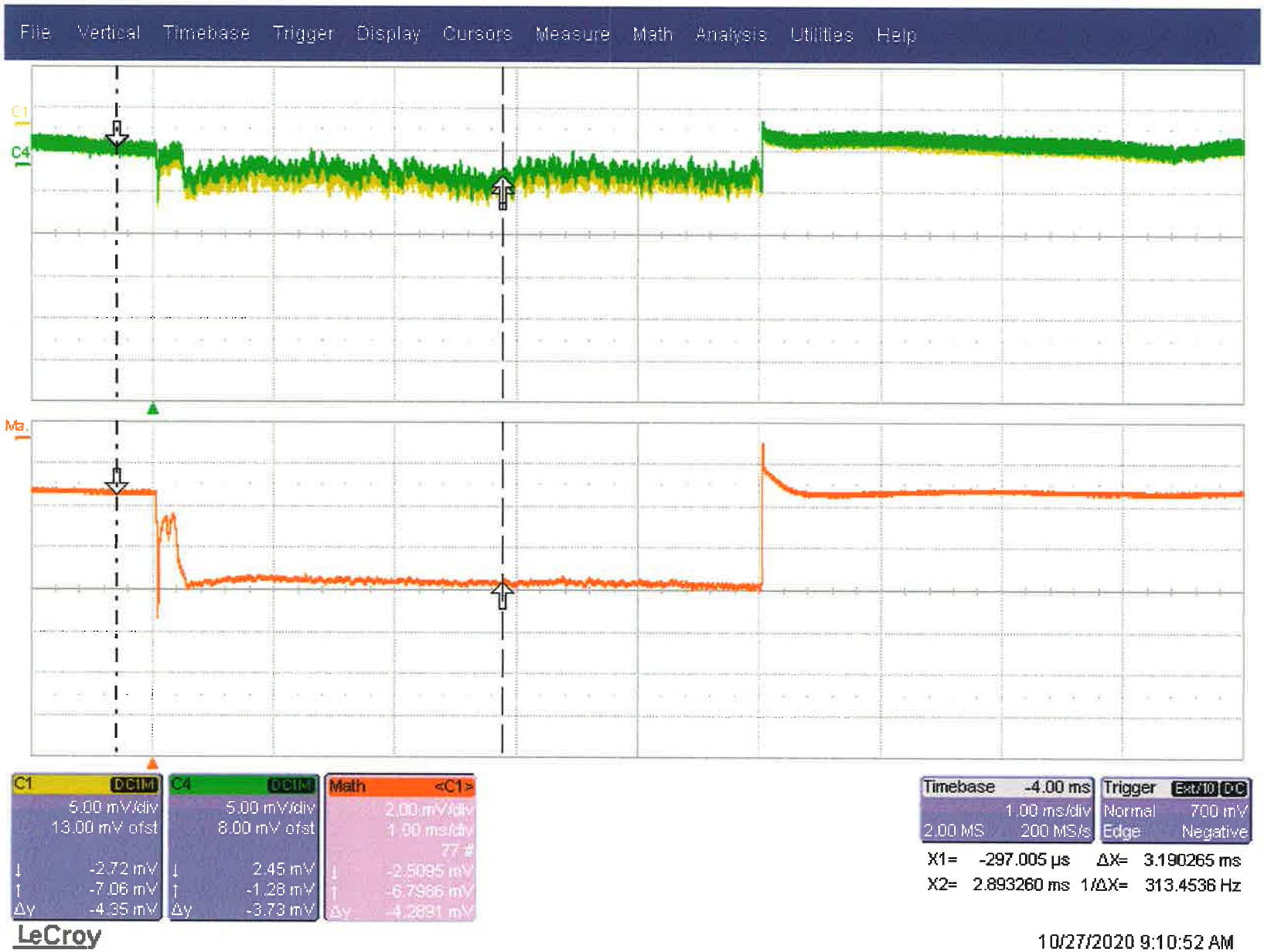
Oct 27, 2020 09:16:10 AM

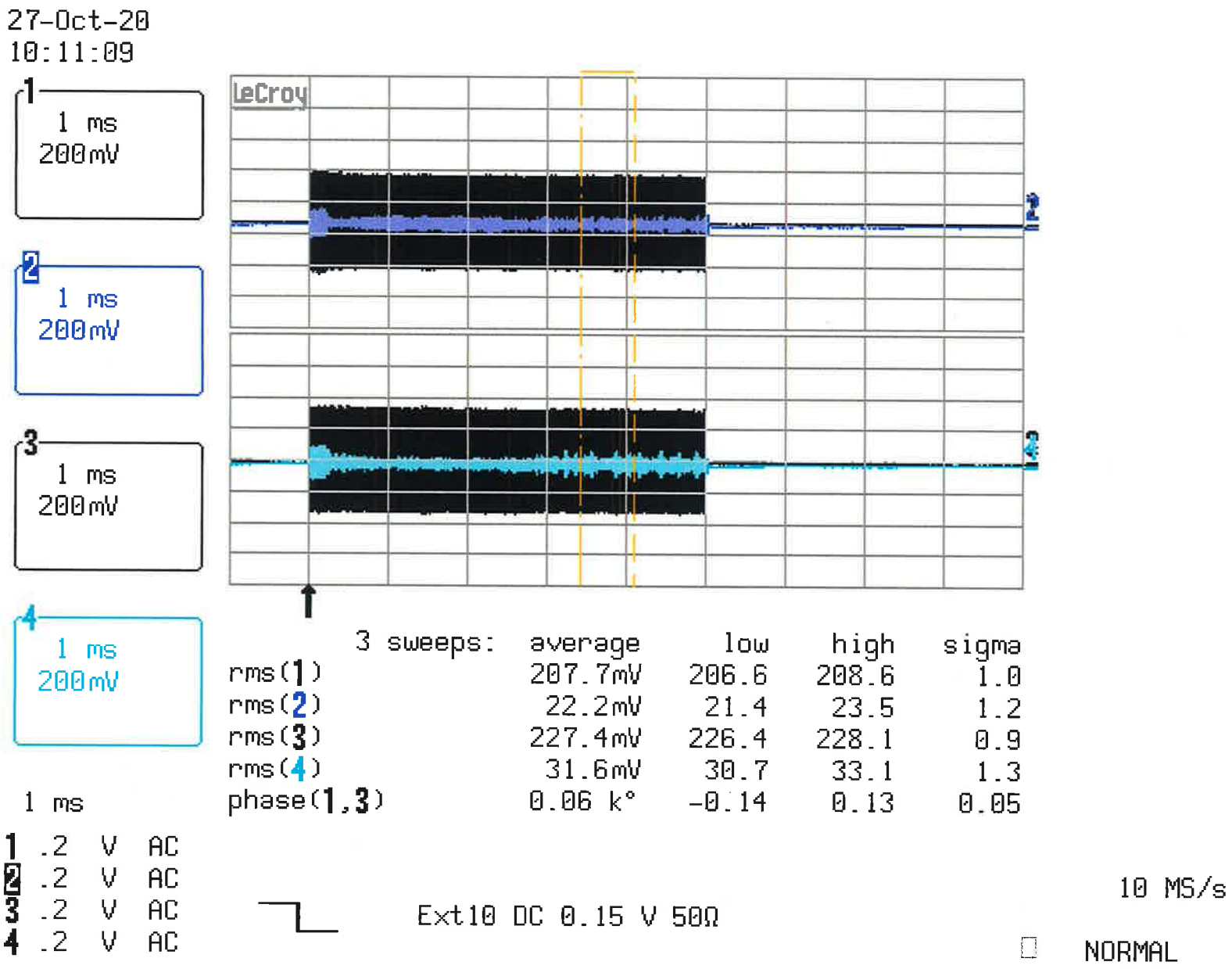


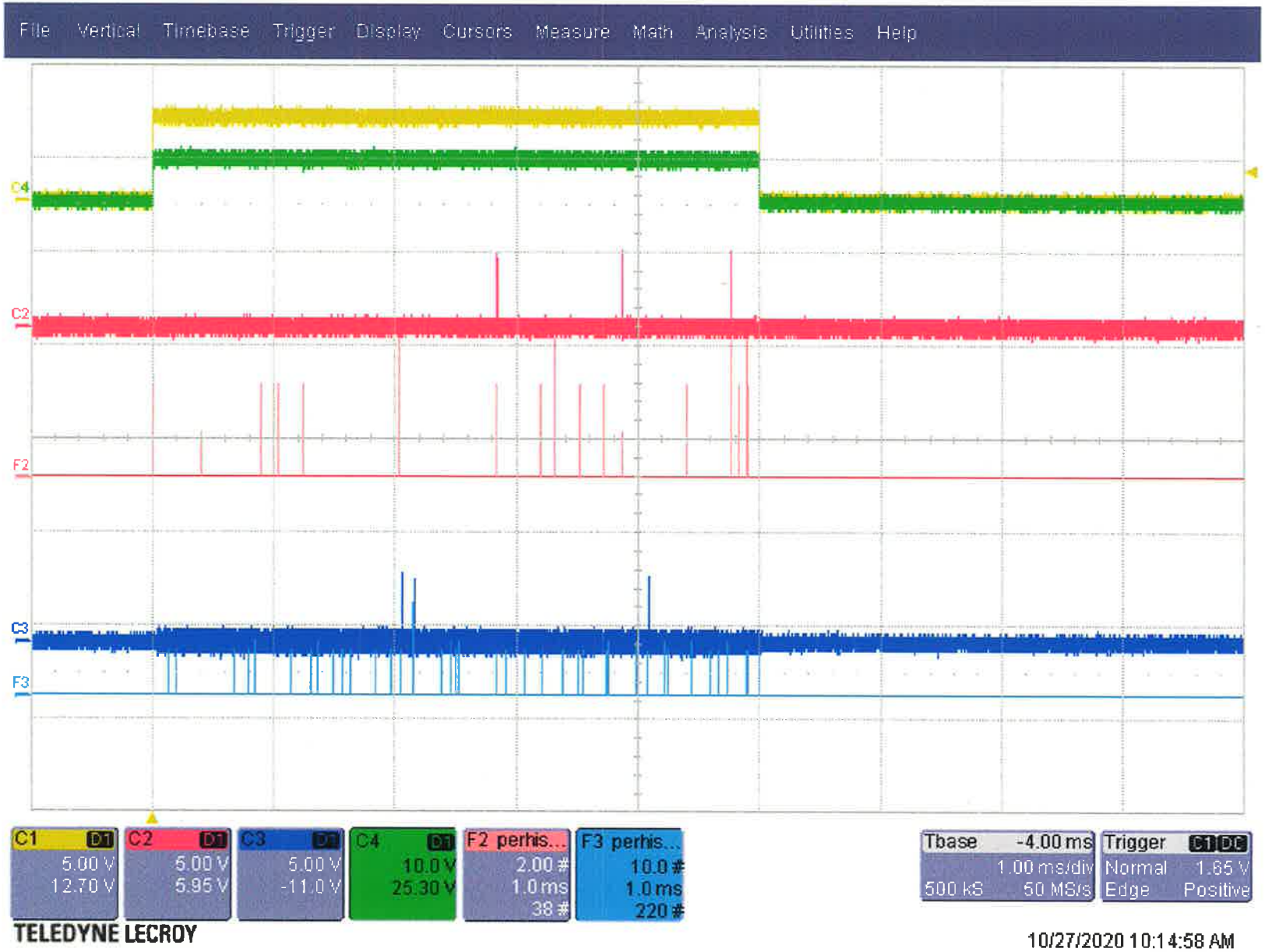

File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Support
20ms
CCSB
<CCFB>
CCFB
only CCSB
500mV
=0.5Torr
1mT
Measure
value
status
P1:web edit
544.99 µT
P2:web edit
-40.67 µT
P3:web edit
504.32 µT
P4:---
P5:---
P6:---
P7:---
P8:mean(C4)
C1
C2
C4
F1
2.00 V/div
-20.0 mV
550.5 mV
544.0 mV
Δy: -6.5 mV
Tbase -96.0 ms
Trigger Ext DC
X1= -1.2676 ms ΔX= 40.678 ms
X2= 39.410 ms 1/ΔX= 24.584 Hz
TELEDYNE LECROY
10/27/2020 9:49:03 AM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Support
C4
C2
C1
Measure
value
status
P1:web edit
596.90 µT
P2:web edit
-36.55 µT
P3:web edit
560.36 µT
P4:---
P5:---
P6:---
P7:---
P8:mean(C4)
C1
C2
C4
F1
500 mV/div
-500.0 mV
601.4 mV
596.6 mV
Δy
-4.8 mV
Tbase
-80.0 ms
Trigger
X1= -1.2676 ms
ΔX= 40.678 ms
X2= 39.410 ms
1/ΔX= 24.584 Hz
TELEDYNE LECROY
10/27/2020 9:53:21 AM
need scale
need t=0

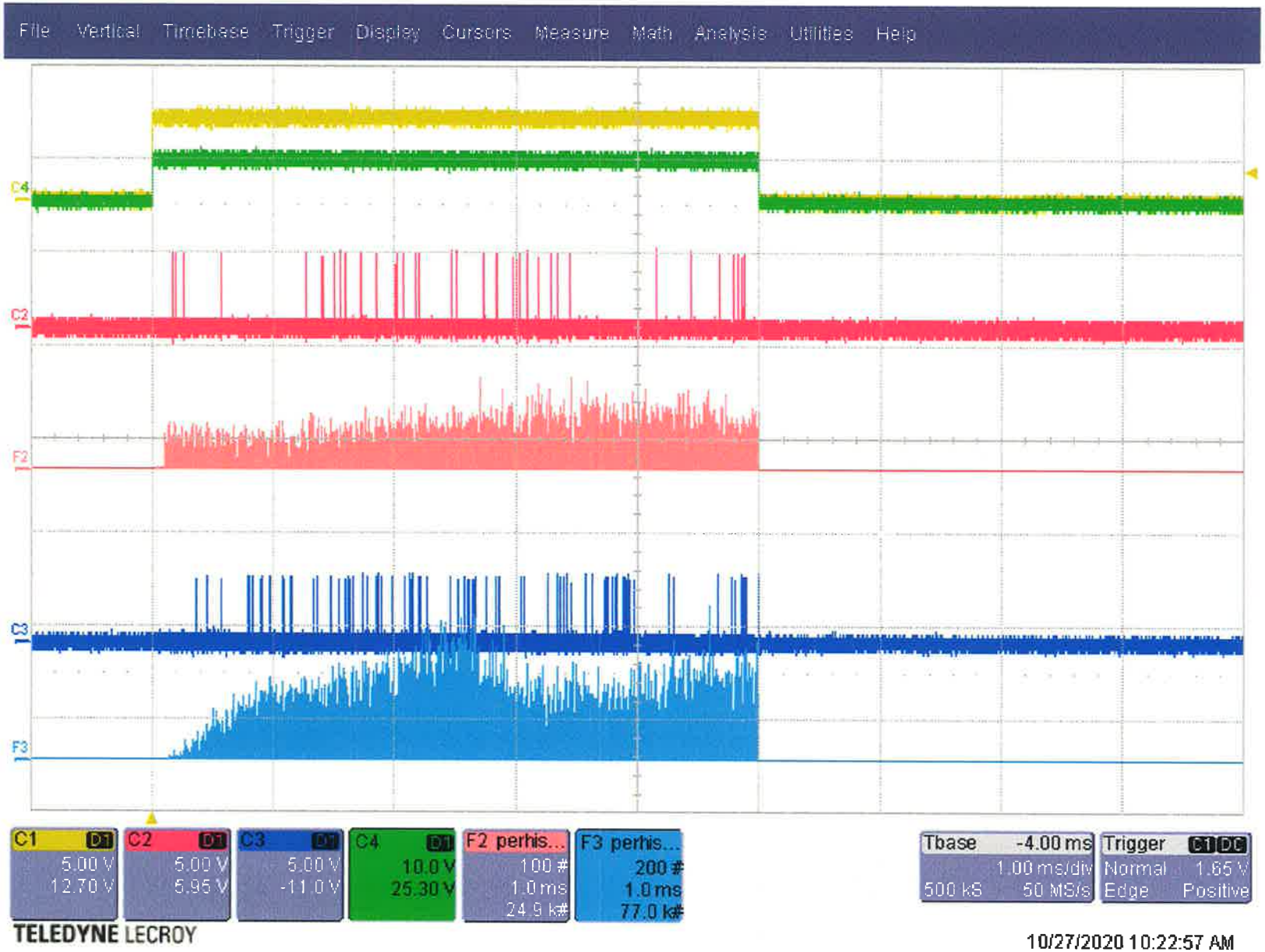

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
F3
F4
C2 DC1M
500 mV/div
75 mV offset
-125 mV
-338 mV
-213 mV
C4 DC1M
100 V/div
201.0 V ofst
5.2 V
-800 mV
-6.0 V
F3 script(C3,C2)
2.00/div
1.00 ms/div
-685e-3
378e-3
1.062
F4 <F3>
1.00/div
1.00 ms/div
281 #
-613.85e-3
138.52e-3
752.37e-3
Tbase -4.00 ms
WStream 1.00 ms
50.0 kS 5.0 MS/s
Trigger Ext/10 DC
Normal 30 mV
Edge Negative
X1= -243.6 µs ΔX= 1.8706 ms
X2= 1.6270 ms 1/ΔX= 534.59 Hz
LeCroy
10/27/2020 10:10:50 AM

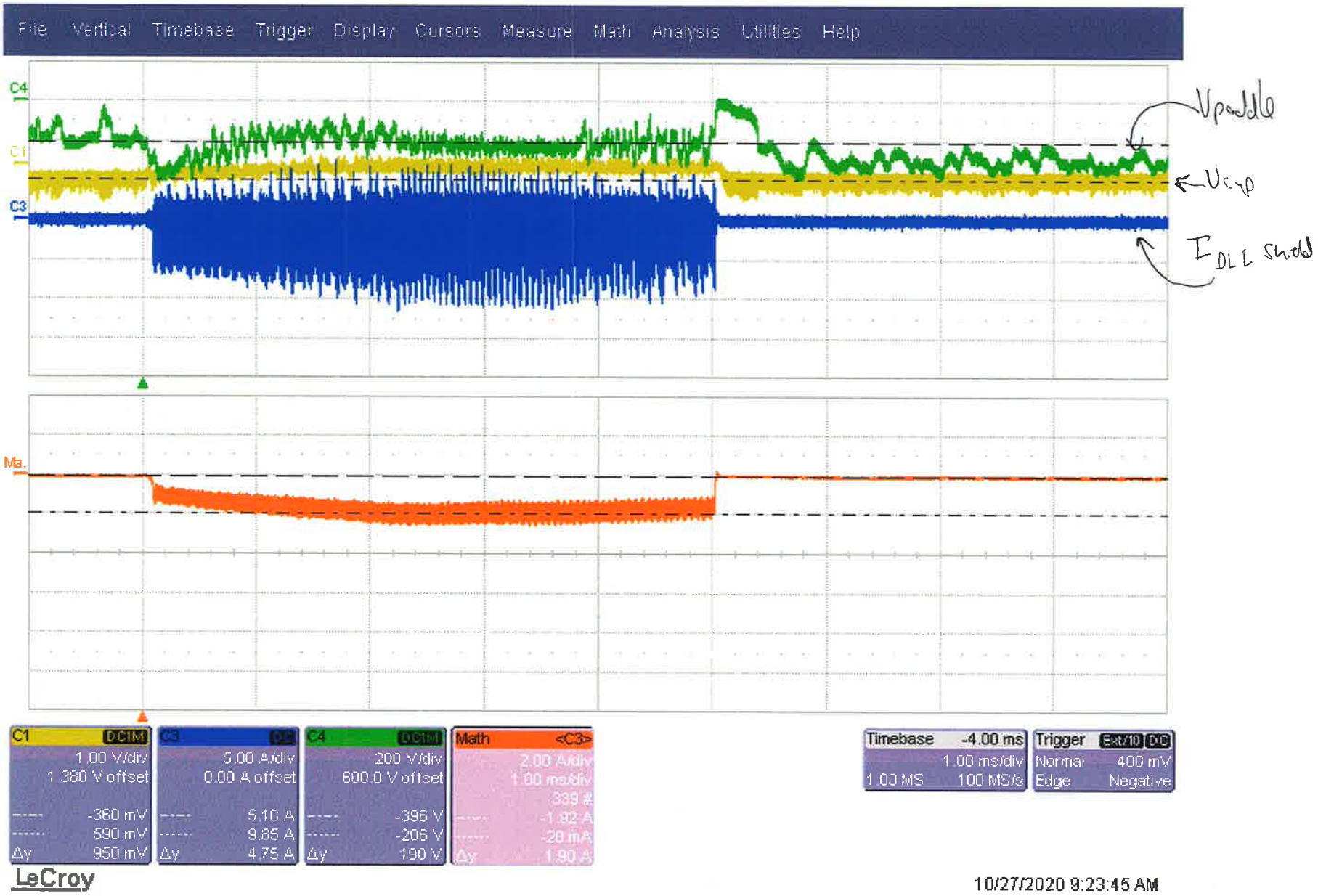

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C1
C4
Ma.
C1 DC1M
5.00 mV/div
13.00 mV ofst
-2.72 mV
-7.06 mV
Δy -4.35 mV
C4 DC1M
5.00 mV/div
8.00 mV ofst
2.45 mV
-1.28 mV
Δy -3.73 mV
Math <C1>
2.00 mV/div
1.00 ms/div
77 #
-2.5095 mV
-6.7986 mV
Δy -4.2891 mV
Timebase -4.00 ms
1.00 ms/div
2.00 MS 200 MS/s
Trigger Ext/10 DC
Normal 700 mV
Edge Negative
X1= -297.005 µs ΔX= 3.190265 ms
X2= 2.893260 ms 1/ΔX= 313.4536 Hz
LeCroy
10/27/2020 9:10:52 AM

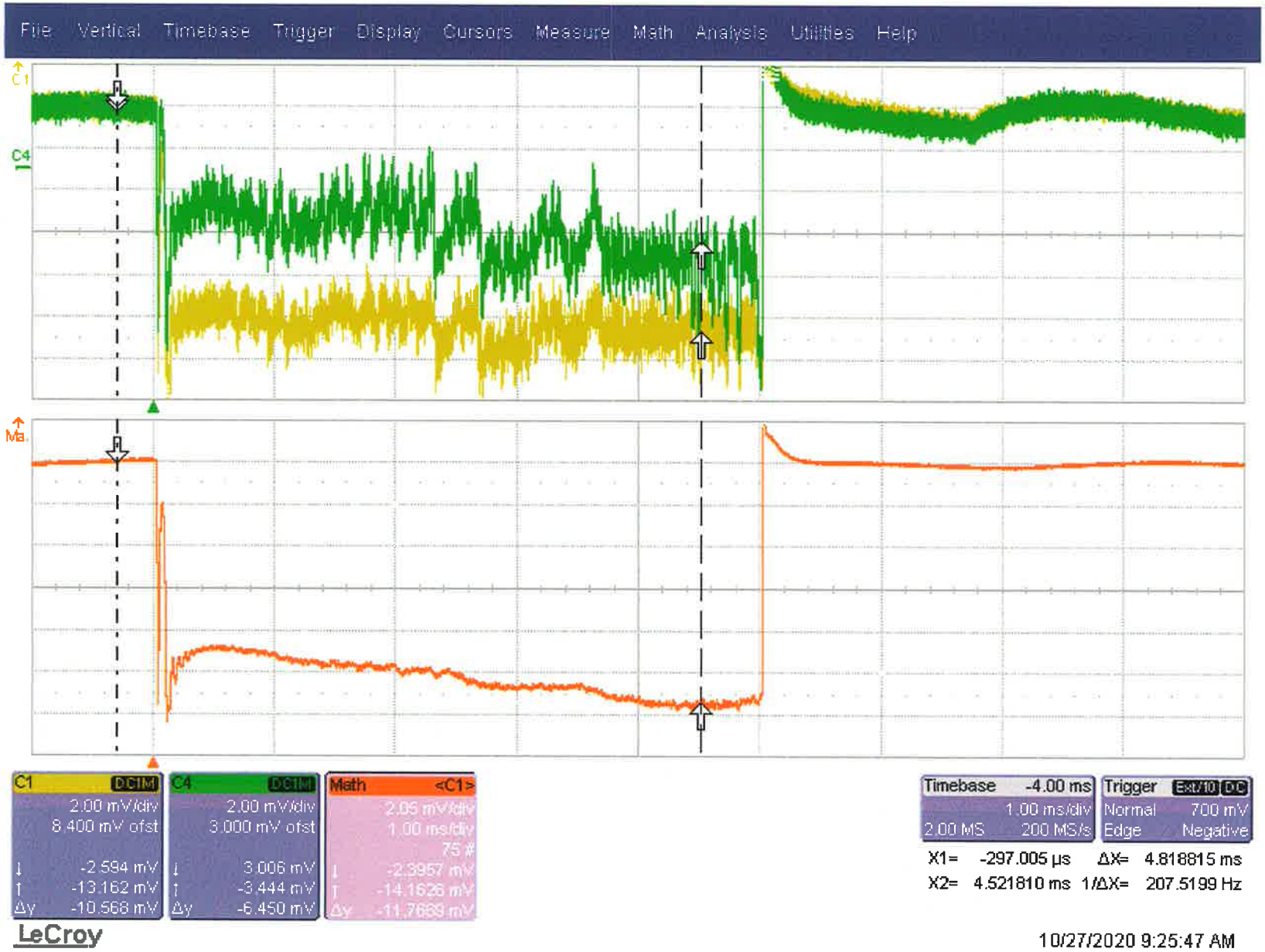

27-Oct-20
10:11:09
1
1 ms
200mV
2
1 ms
200mV
3
1 ms
200mV
4
1 ms
200mV
LeCroy
3 sweeps: average low high sigma
rms(1) 207.7mV 206.6 208.6 1.0
rms(2) 22.2mV 21.4 23.5 1.2
rms(3) 227.4mV 226.4 228.1 0.9
rms(4) 31.6mV 30.7 33.1 1.3
phase(1,3) 0.06 k° -0.14 0.13 0.05
1 ms
1 .2 V AC
2 .2 V AC
3 .2 V AC
4 .2 V AC
Ext10 DC 0.15 V 50Ω
10 MS/s
NORMAL

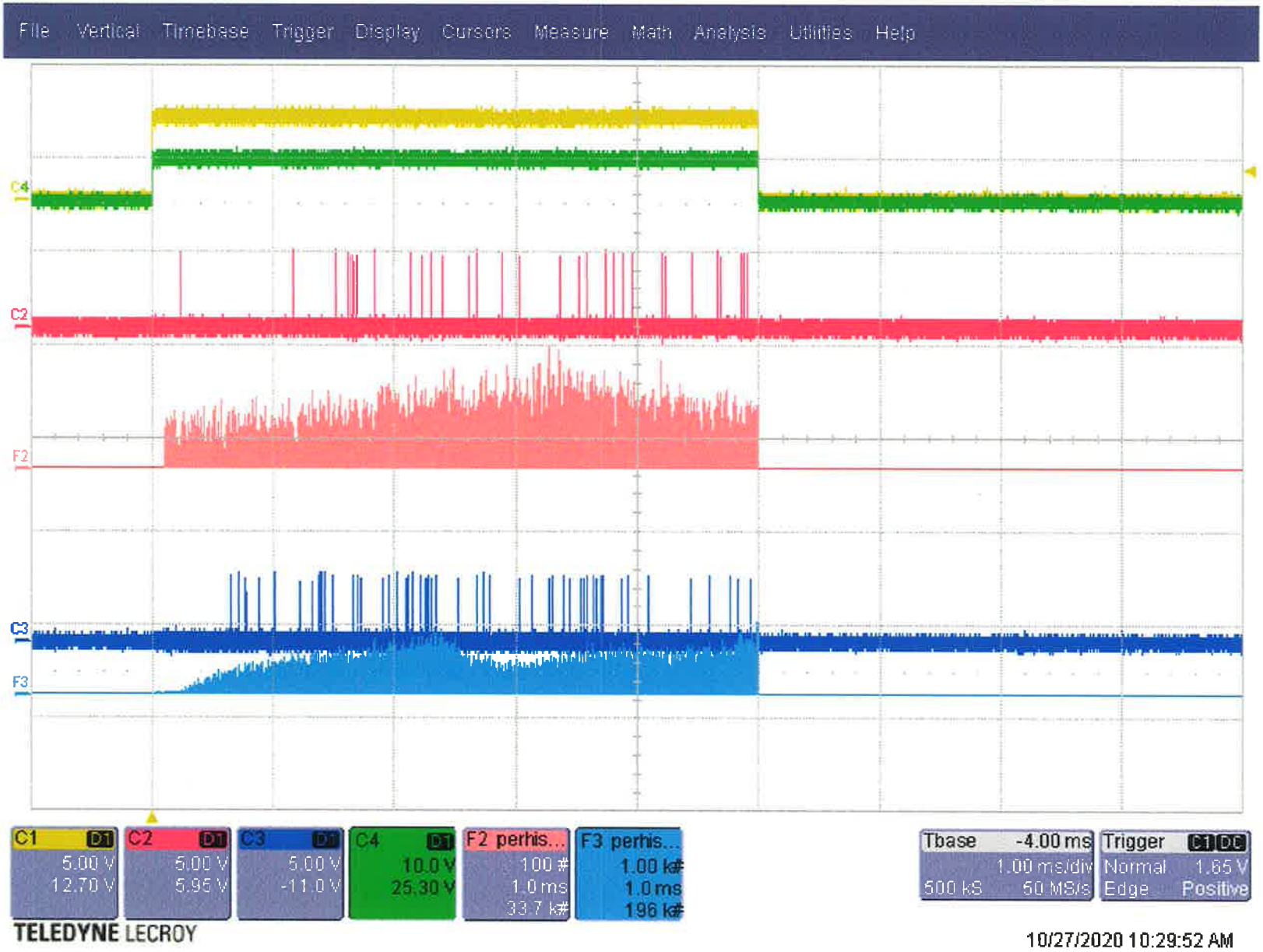

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
C3
F3
C1 D1
5.00 V
12.70 V
C2 D1
5.00 V
5.95 V
C3 D1
5.00 V
-11.0 V
C4 D1
10.0 V
25.30 V
F2 perhis...
2.00 #
1.0 ms
38 #
F3 perhis...
10.0 #
1.0 ms
220 #
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
10/27/2020 10:14:58 AM

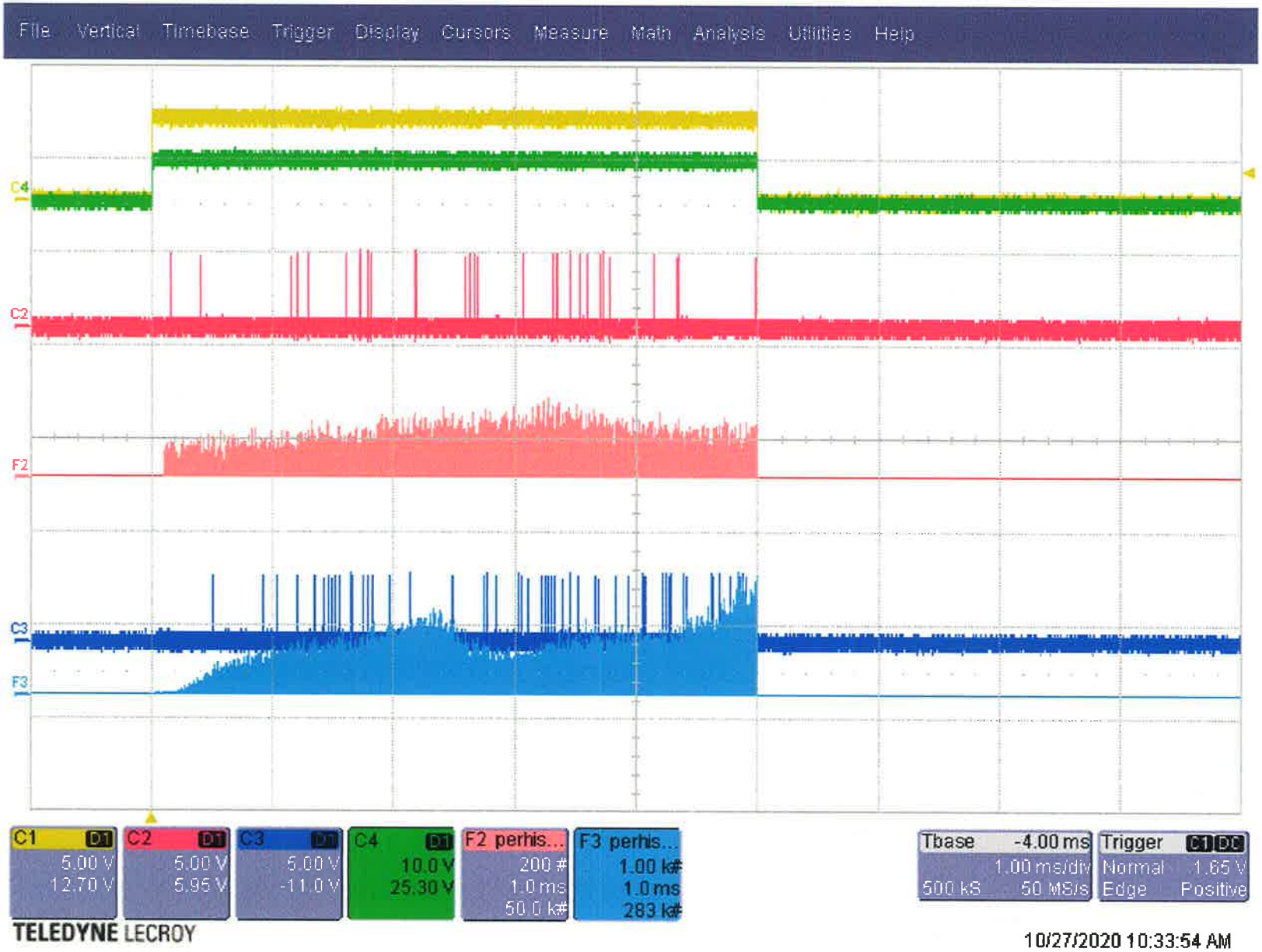
File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
C3
F3
C1 D1
5.00 V
12.70 V
C2 D1
5.00 V
5.96 V
C3 D1
5.00 V
-11.0 V
C4 D1
10.0 V
25.30 V
F2 perhis...
20.0 #
1.0 ms
5.71 k#
F3 perhis...
50.0 #
1.0 ms
6.00 k#
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
10/27/2020 10:18:48 AM

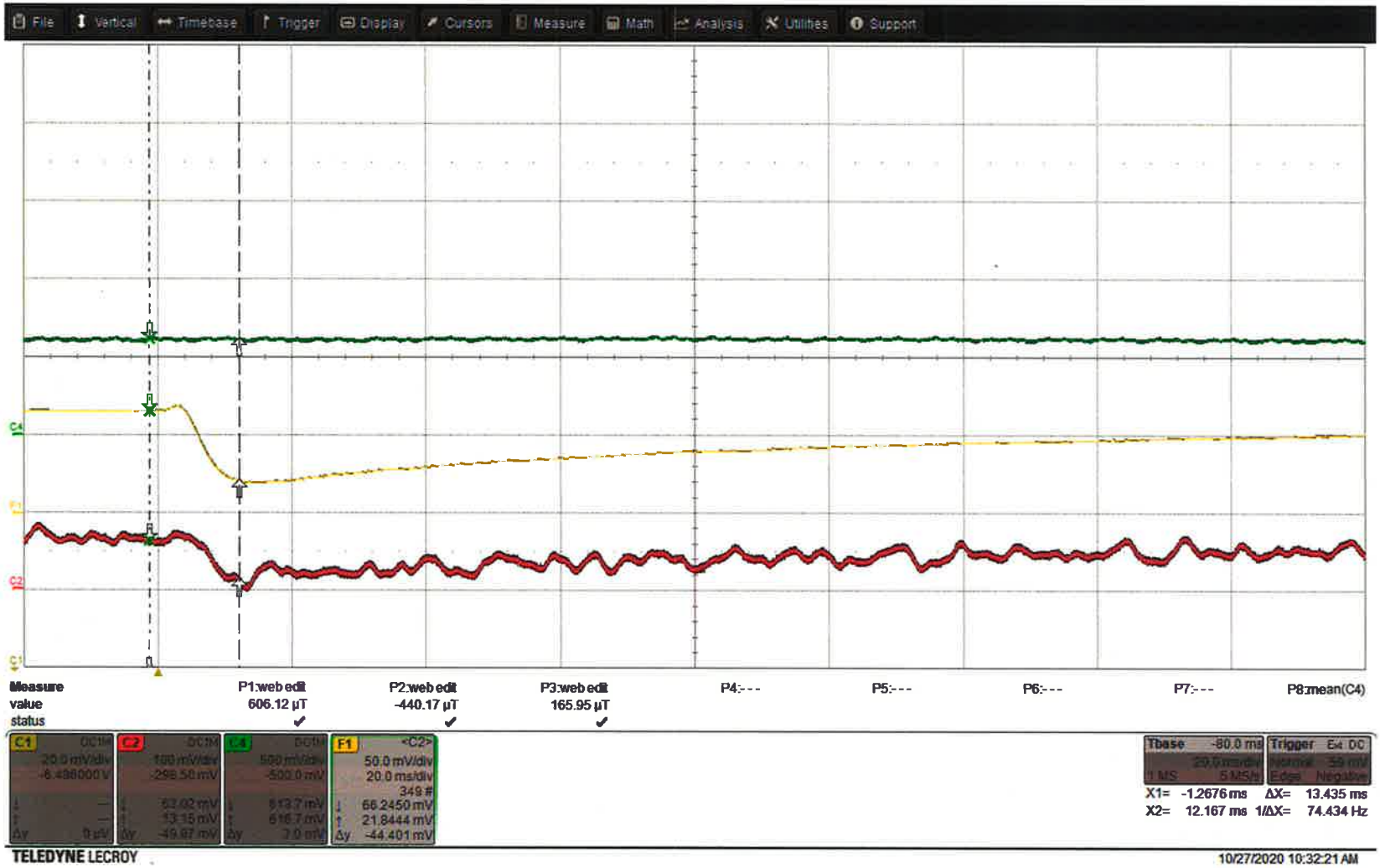

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
C3
F3
C1 D1
5.00 V
12.70 V
C2 D1
5.00 V
5.95 V
C3 D1
5.00 V
-11.0 V
C4 D1
10.0 V
25.30 V
F2 perhis...
100 #
1.0 ms
24.9 k#
F3 perhis...
200 #
1.0 ms
77.0 k#
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
10/27/2020 10:22:57 AM

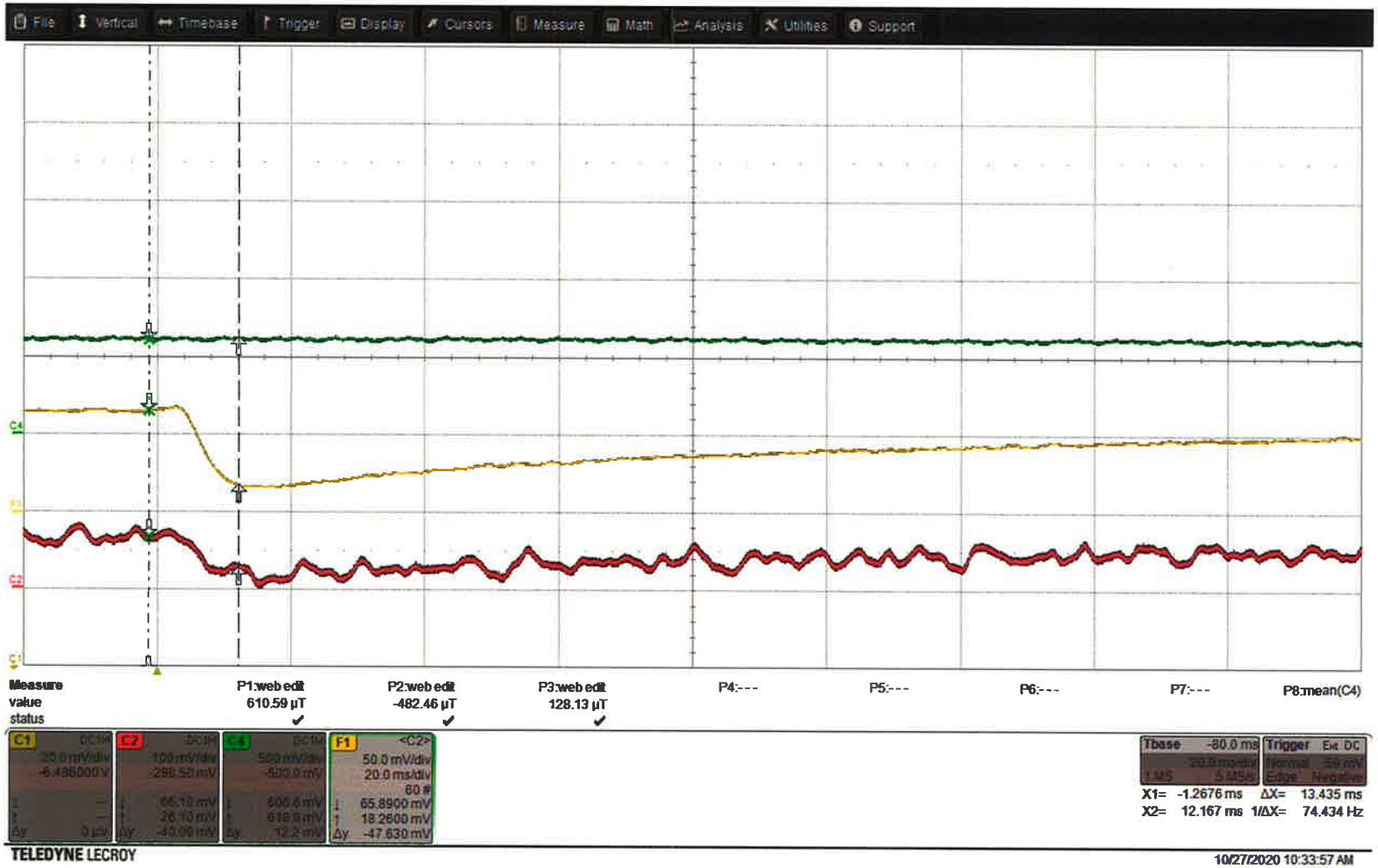

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C1
C3
Ma.
V_{paddle}
V_{cup}
$I_{DLL\ shield}$
C1 DC1M
1.00 V/div
1.380 V offset
-360 mV
590 mV
Δy 950 mV
C3 DC
5.00 A/div
0.00 A offset
5.10 A
9.85 A
Δy 4.75 A
C4 DC1M
200 V/div
600.0 V offset
-396 V
-206 V
Δy 190 V
Math <C3>
2.00 A/div
1.00 ms/div
339 #
-1.92 A
-20 mA
Δy 1.90 A
Timebase -4.00 ms
1.00 ms/div
1.00 MS 100 MS/s
Trigger ERes(10) DC
Normal 400 mV
Edge Negative
LeCroy
10/27/2020 9:23:45 AM

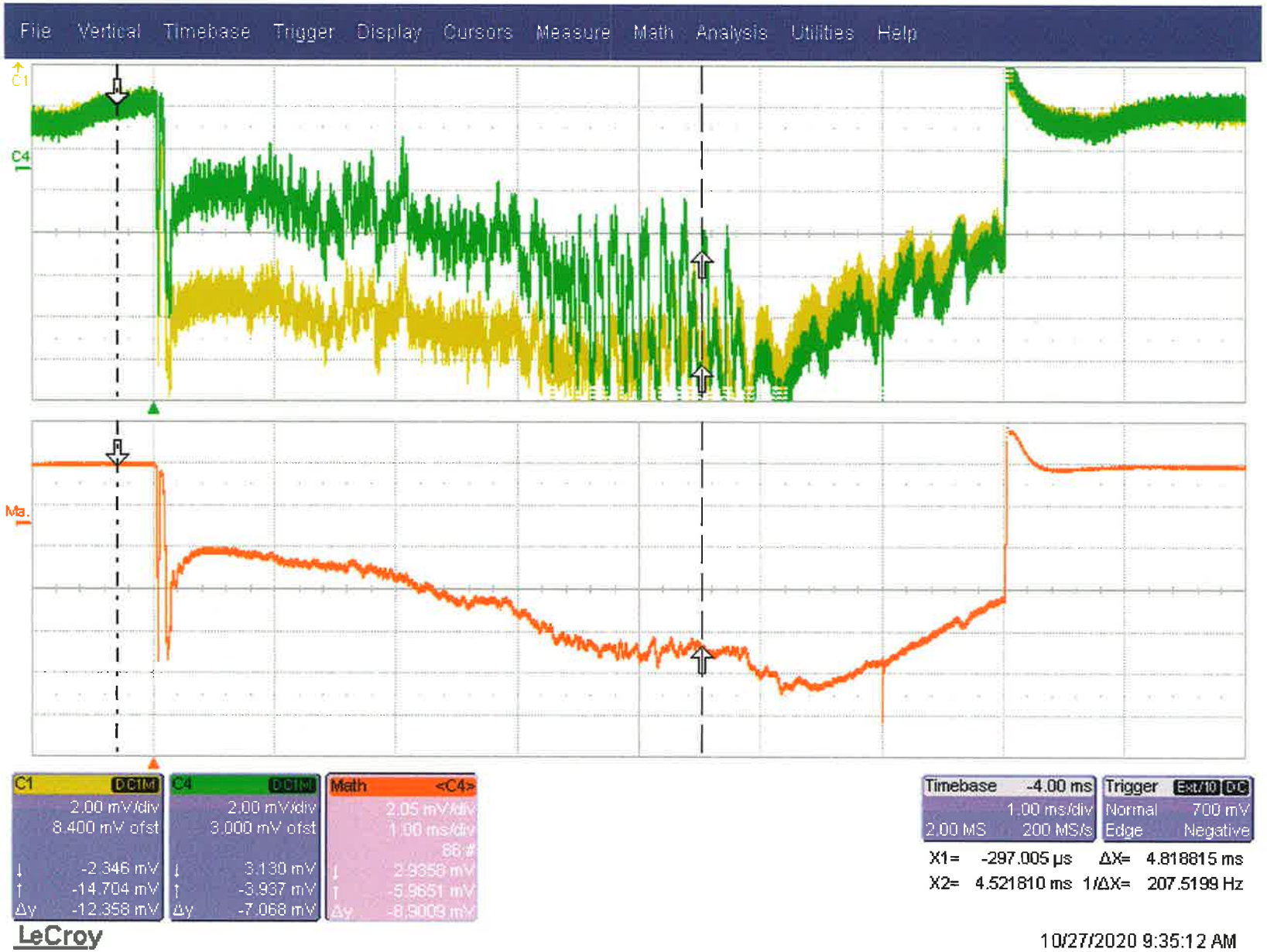

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C1
C4
Ma
C1 DCIM
2.00 mV/div
8.400 mV ofst
-2.594 mV
-13.162 mV
Δy -10.568 mV
C4 DCIM
2.00 mV/div
3.000 mV ofst
3.006 mV
-3.444 mV
Δy -6.450 mV
Math <C1>
2.05 mV/div
1.00 ms/div
75 #
-2.3957 mV
-14.1626 mV
Δy -11.7669 mV
Timebase -4.00 ms
1.00 ms/div
2.00 MS 200 MS/s
Trigger Ext/10 DC
Normal 700 mV
Edge Negative
X1= -297.005 µs ΔX= 4.818815 ms
X2= 4.521810 ms 1/ΔX= 207.5199 Hz
LeCroy
10/27/2020 9:25:47 AM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
C3
F3
C1 D1
5.00 V
12.70 V
C2 D1
5.00 V
5.95 V
C3 D1
5.00 V
-11.0 V
C4 D1
10.0 V
25.30 V
F2 perhis...
100 #
1.0 ms
33.7 k#
F3 perhis...
1.00 k#
1.0 ms
196 k#
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
10/27/2020 10:29:52 AM

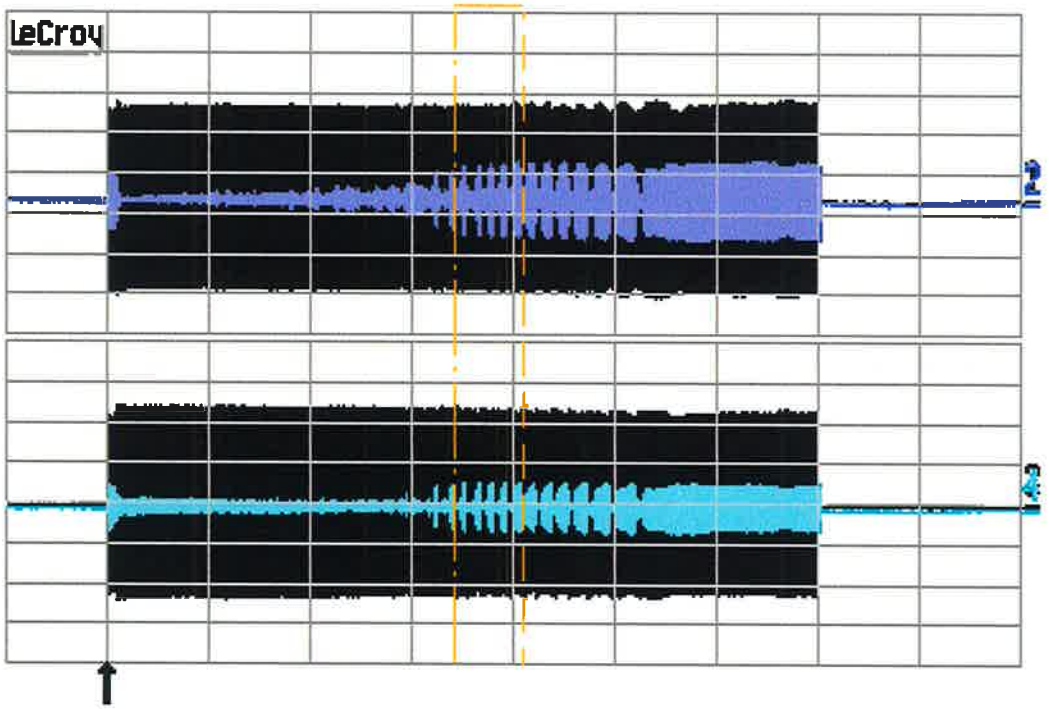

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
C3
F3
C1 D1
5.00 V
12.70 V
C2 D1
5.00 V
5.95 V
C3 D1
5.00 V
-11.0 V
C4 D1
10.0 V
25.30 V
F2 perhis...
200 #
1.0 ms
50.0 k#
F3 perhis...
1.00 k#
1.0 ms
283 k#
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
10/27/2020 10:33:54 AM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Support
C4
C2
C1
Measure
value
status
P1:web edit
606.12 µT
P2:web edit
-440.17 µT
P3:web edit
165.95 µT
P4:---
P5:---
P6:---
P7:---
P8:mean(C4)
C1 DC1M
20.0 mV/div
-6.498000 V
C2 DC1M
100 mV/div
-299.50 mV
C4 DC1M
500 mV/div
-500.0 mV
F1 <C2>
50.0 mV/div
20.0 ms/div
349 #
66.2450 mV
21.8444 mV
Δy -44.401 mV
Tbase -80.0 ms
20.0 ms/div
0 MS 5 MS/s
Trigger Ext DC
Edge Negative
X1= -1.2676 ms ΔX= 13.435 ms
X2= 12.167 ms 1/ΔX= 74.434 Hz
TELEDYNE LECROY
10/27/2020 10:32:21 AM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Support
C4
C2
C1
Measure
value
status
P1:web edit
610.59 µT
P2:web edit
-482.46 µT
P3:web edit
128.13 µT
P4:---
P5:---
P6:---
P7:---
P8:mean(C4)
C1
C2
C4
F1
<C2>
50.0 mV/div
20.0 ms/div
60 #
65.8900 mV
18.2600 mV
Δy -47.630 mV
Tbase -80.0 ms
Trigger Ext DC
X1= -1.2676 ms ΔX= 13.435 ms
X2= 12.167 ms 1/ΔX= 74.434 Hz
TELEDYNE LECROY
10/27/2020 10:33:57 AM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C1
C4
Ma.
C1 DC1M
2.00 mV/div
8.400 mV ofst
-2.346 mV
-14.704 mV
Δy -12.358 mV
C4 DC1M
2.00 mV/div
3.000 mV ofst
3.130 mV
-3.937 mV
Δy -7.068 mV
Math <C4>
2.05 mV/div
1.00 ms/div
86 #
2.9358 mV
-5.9651 mV
Δy -8.9009 mV
Timebase -4.00 ms
1.00 ms/div
2.00 MS 200 MS/s
Trigger Ext/10 DC
Normal 700 mV
Edge Negative
X1= -297.005 µs ΔX= 4.818815 ms
X2= 4.521810 ms 1/ΔX= 207.5199 Hz
LeCroy
10/27/2020 9:35:12 AM

27-Oct-20
10:35:27



	874 sweeps:	average	low	high	sigma
rms(1)		318.8mV	309.5	326.1	2.8
rms(2)		41.0mV	20.9	82.6	14.4
rms(3)		323.9mV	315.6	332.4	3.9
rms(4)		26.0mV	14.6	55.3	9.4
phase(1,3)		74 °	26	132	36

1 1 ms 200mV

2 1 ms 200mV

3 1 ms 200mV

4 1 ms 200mV

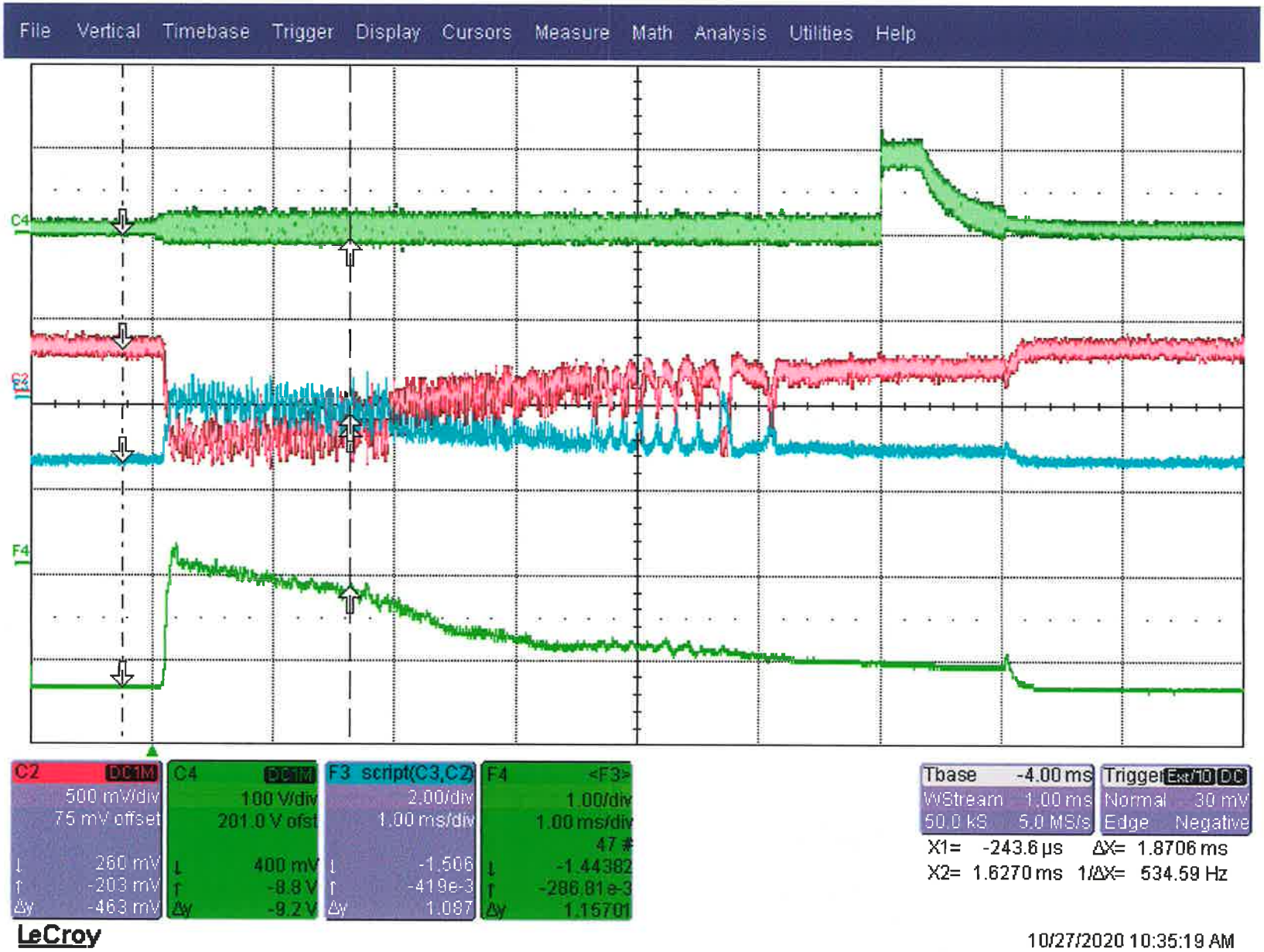
1 ms

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

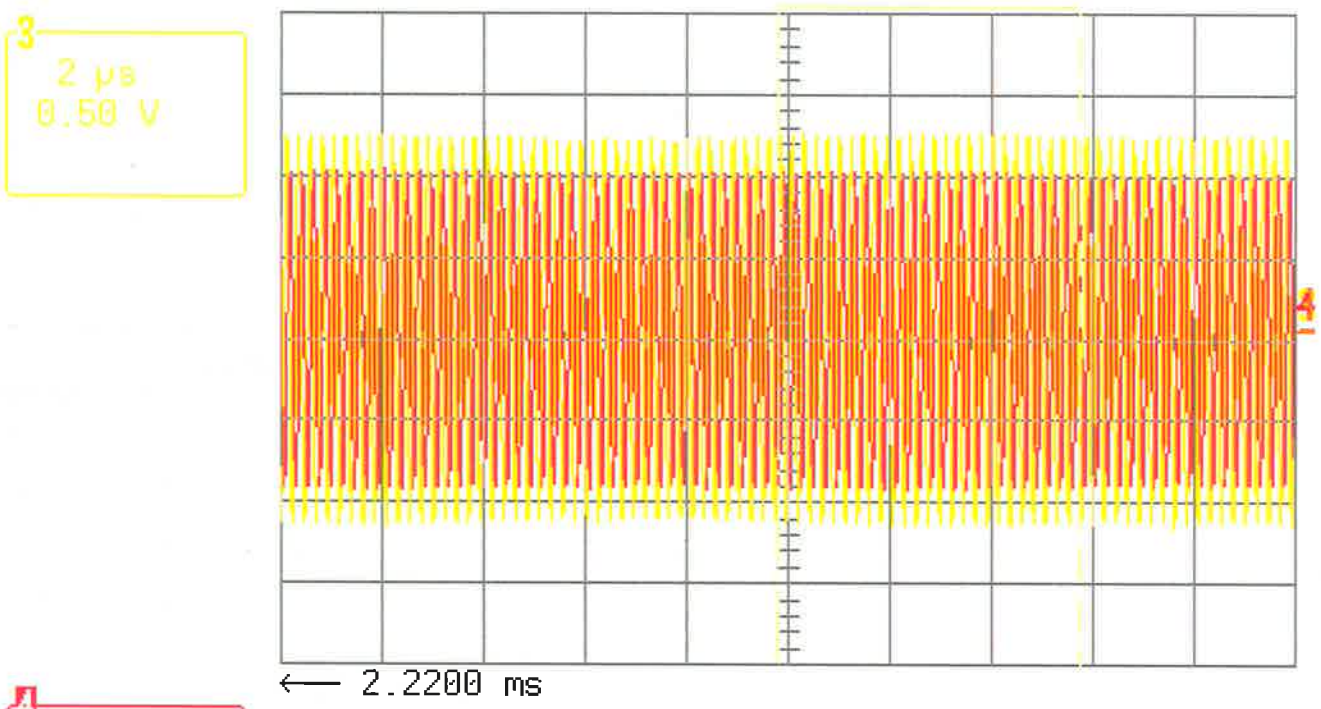
Ext10 DC 0.15 V 50Ω

10 MS/s

NORMAL


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F4
C2 DC1M
500 mV/div
75 mV offset
260 mV
-203 mV
-463 mV
C4 DC1M
100 V/div
201.0 V ofst
400 mV
-8.8 V
-9.2 V
F3 script(C3,C2)
2.00/div
1.00 ms/div
-1.506
-419e-3
1.087
F4 <F3>
1.00/div
1.00 ms/div
47 #
-1.44382
-286.81e-3
1.15701
Tbase -4.00 ms
WStream 1.00 ms
50.0 kS 5.0 MS/s
Trigger Ext/10 DC
Normal 30 mV
Edge Negative
X1= -243.6 µs ΔX= 1.8706 ms
X2= 1.6270 ms 1/ΔX= 534.59 Hz
LeCroy
10/27/2020 10:35:19 AM

27-Oct-20
10:37:51



93 sweeps:	average	low	high	sigma
phase(4,3)	-91.1 °	-95.8	-82.6	1.5
rms(1)	11.7mV	11.3	12.0	0.2
rms(2)	144mV	140	151	3
rms(4)	684.6mV	606.4	747.8	26.6
rms(3)	843.5mV	792.5	903.7	25.5

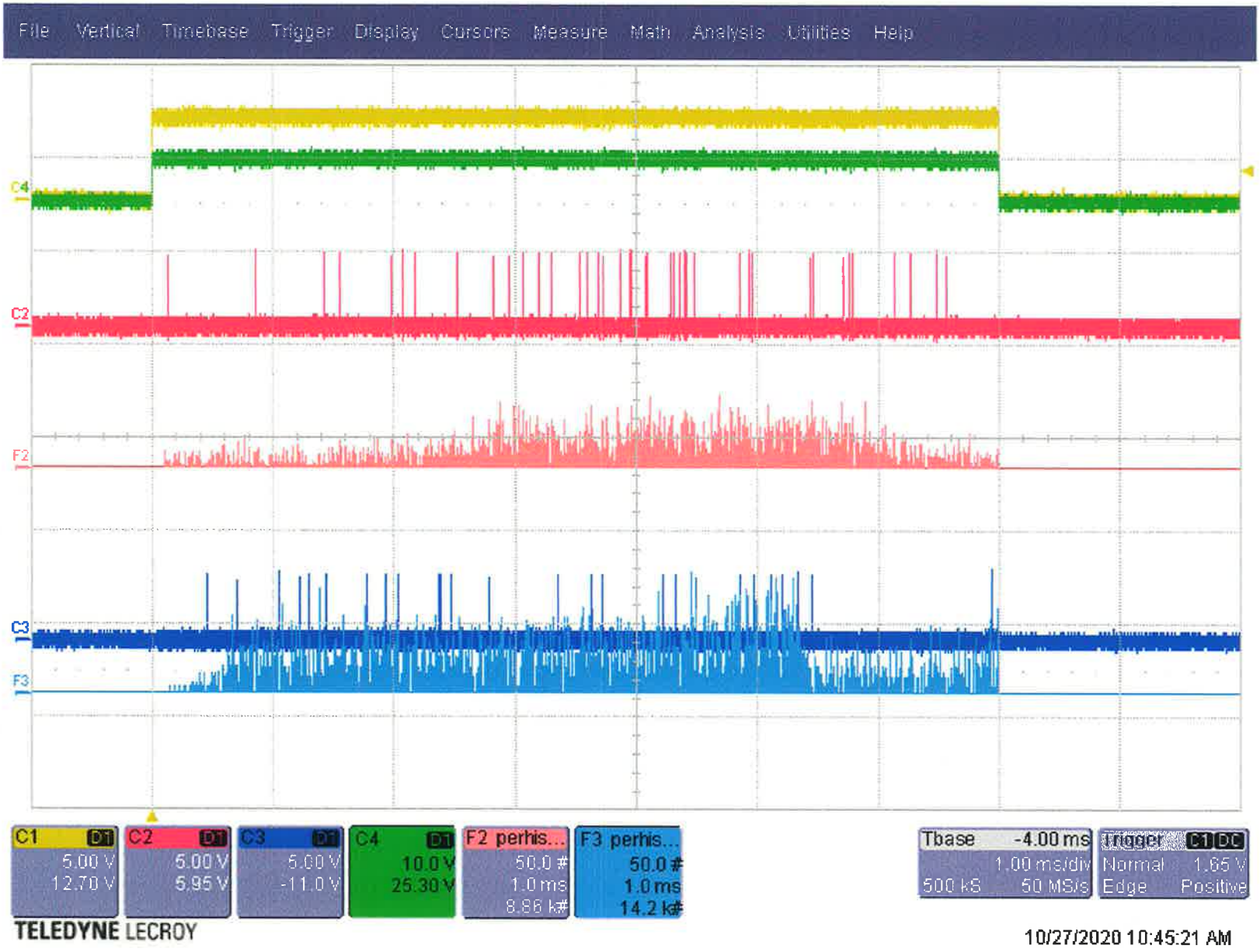
2 µs

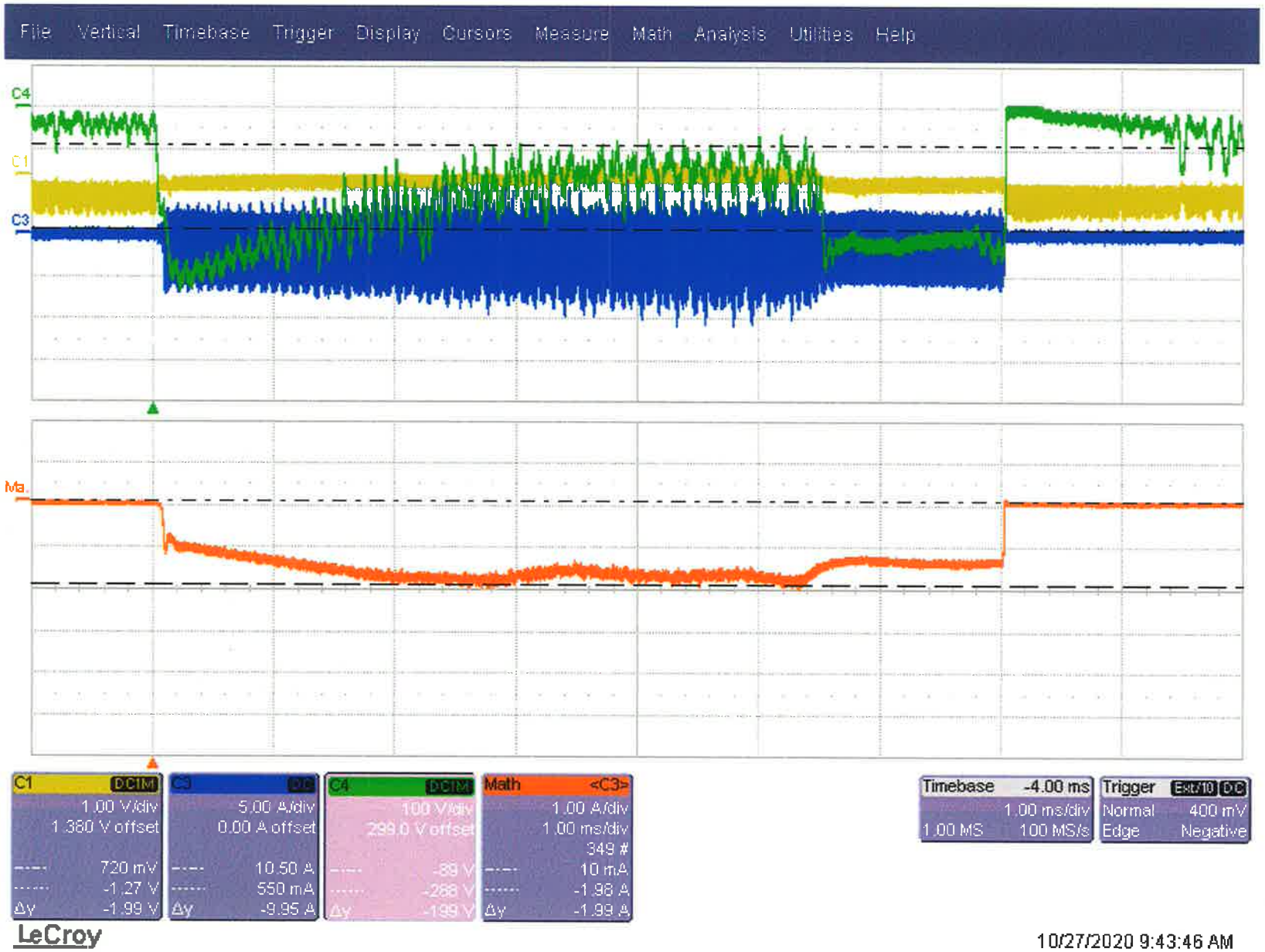
1 .5 V DC
2 5 V DC
3 .5 V DC
4 .5 V DC

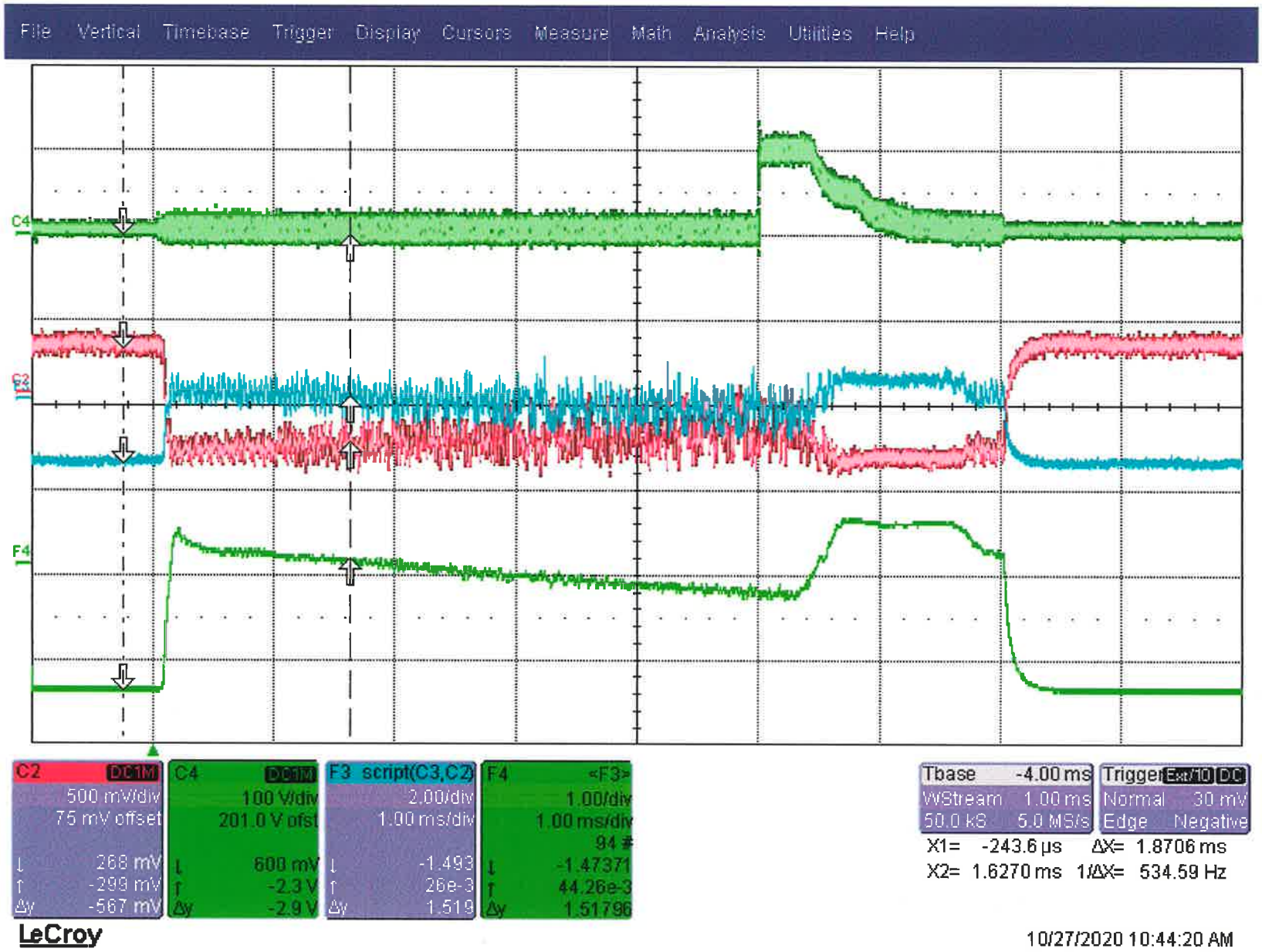
Ext10 DC 0.15 V 50Ω

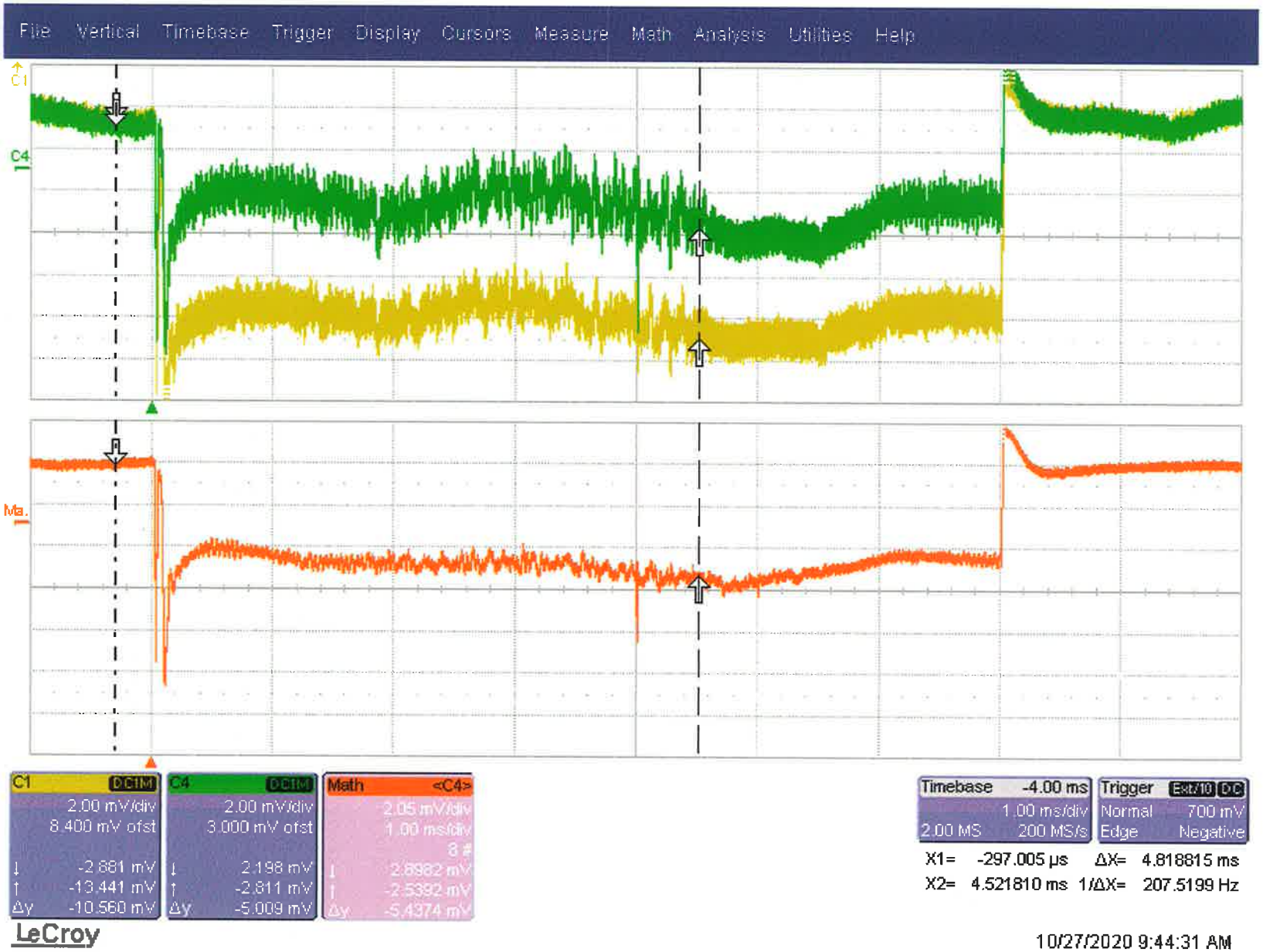
1 GS/s

NORMAL

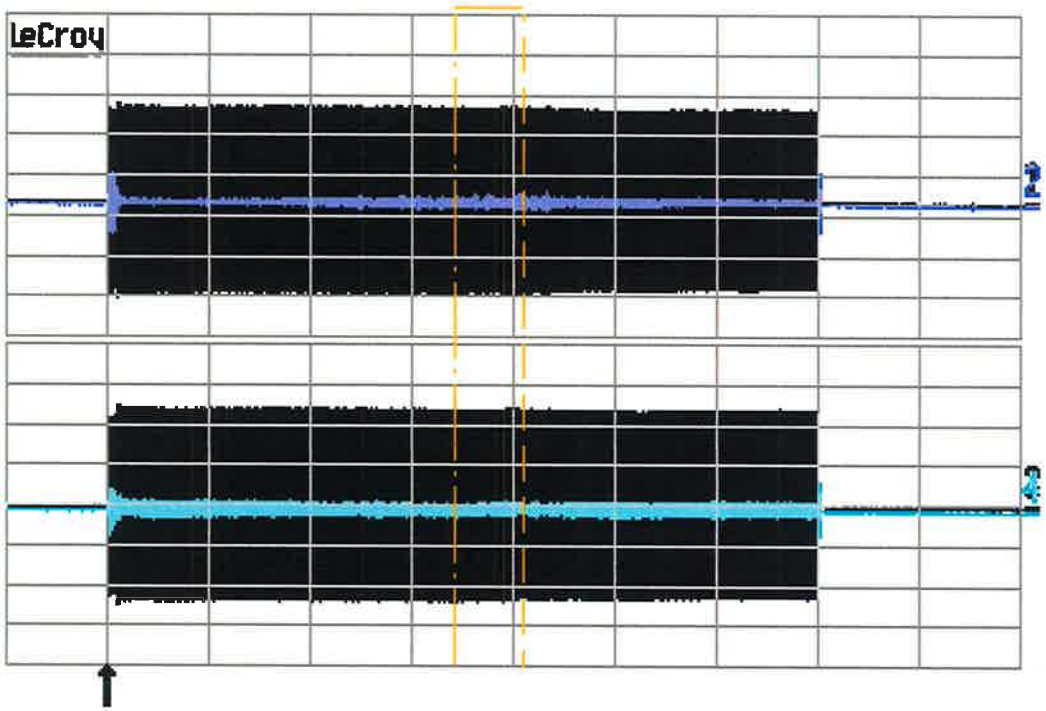

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
C3
F3
C1 DC
5.00 V
12.70 V
C2 DC
5.00 V
5.95 V
C3 DC
5.00 V
-11.0 V
C4 DC
10.0 V
25.30 V
F2 perhis...
50.0 #
1.0 ms
8.86 k#
F3 perhis...
50.0 #
1.0 ms
14.2 k#
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
10/27/2020 10:45:21 AM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C1
C3
Ma
C1 DCIM
1.00 V/div
1.380 V offset
720 mV
-1.27 V
Δy -1.99 V
C3 DC
5.00 A/div
0.00 A offset
10.50 A
550 mA
Δy -9.95 A
C4 DCIM
100 V/div
299.0 V offset
-89 V
-288 V
Δy -199 V
Math <C3>
1.00 A/div
1.00 ms/div
349 #
10 mA
-1.98 A
Δy -1.99 A
Timebase -4.00 ms
1.00 ms/div
1.00 MS 100 MS/s
Trigger Ext/10 DC
Normal 400 mV
Edge Negative
LeCroy
10/27/2020 9:43:46 AM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
F3
F4
C2 DC1M
500 mV/div
75 mV offset
268 mV
-299 mV
Δy -567 mV
C4 DC1M
100 V/div
201.0 V ofst
600 mV
-2.3 V
Δy -2.9 V
F3 script(C3,C2)
2.00/div
1.00 ms/div
-1.493
26e-3
Δy 1.519
F4 <F3>
1.00/div
1.00 ms/div
94 #
-1.47371
44.26e-3
Δy 1.51796
Tbase -4.00 ms
WStream 1.00 ms
50.0 kS 5.0 MS/s
Trigger Ext/10 DC
Normal 30 mV
Edge Negative
X1= -243.6 µs ΔX= 1.8706 ms
X2= 1.6270 ms 1/ΔX= 534.59 Hz
LeCroy
10/27/2020 10:44:20 AM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C1
C4
Ma
C1 DCIM
2.00 mV/div
8.400 mV ofst
-2.881 mV
-13.441 mV
Δy -10.560 mV
C4 DCIM
2.00 mV/div
3.000 mV ofst
2.198 mV
-2.811 mV
Δy -5.009 mV
Math <C4>
2.05 mV/div
1.00 ms/div
Timebase -4.00 ms
1.00 ms/div
2.00 MS 200 MS/s
Trigger Ext/10 DC
Normal 700 mV
Edge Negative
X1= -297.005 µs ΔX= 4.818815 ms
X2= 4.521810 ms 1/ΔX= 207.5199 Hz
LeCroy
10/27/2020 9:44:31 AM

27-Oct-20
10:44:47



	8 sweeps:	average	low	high	sigma
rms(1)		323.6mV	321.4	327.3	1.8
rms(2)		19.9mV	18.4	23.3	1.6
rms(3)		328.7mV	327.0	331.3	1.5
rms(4)		21.9mV	21.0	24.4	1.2
phase(1,3)		0.07 k°	0.03	0.13	0.04

1 1 ms 200mV
2 1 ms 200mV
3 1 ms 200mV
4 1 ms 200mV

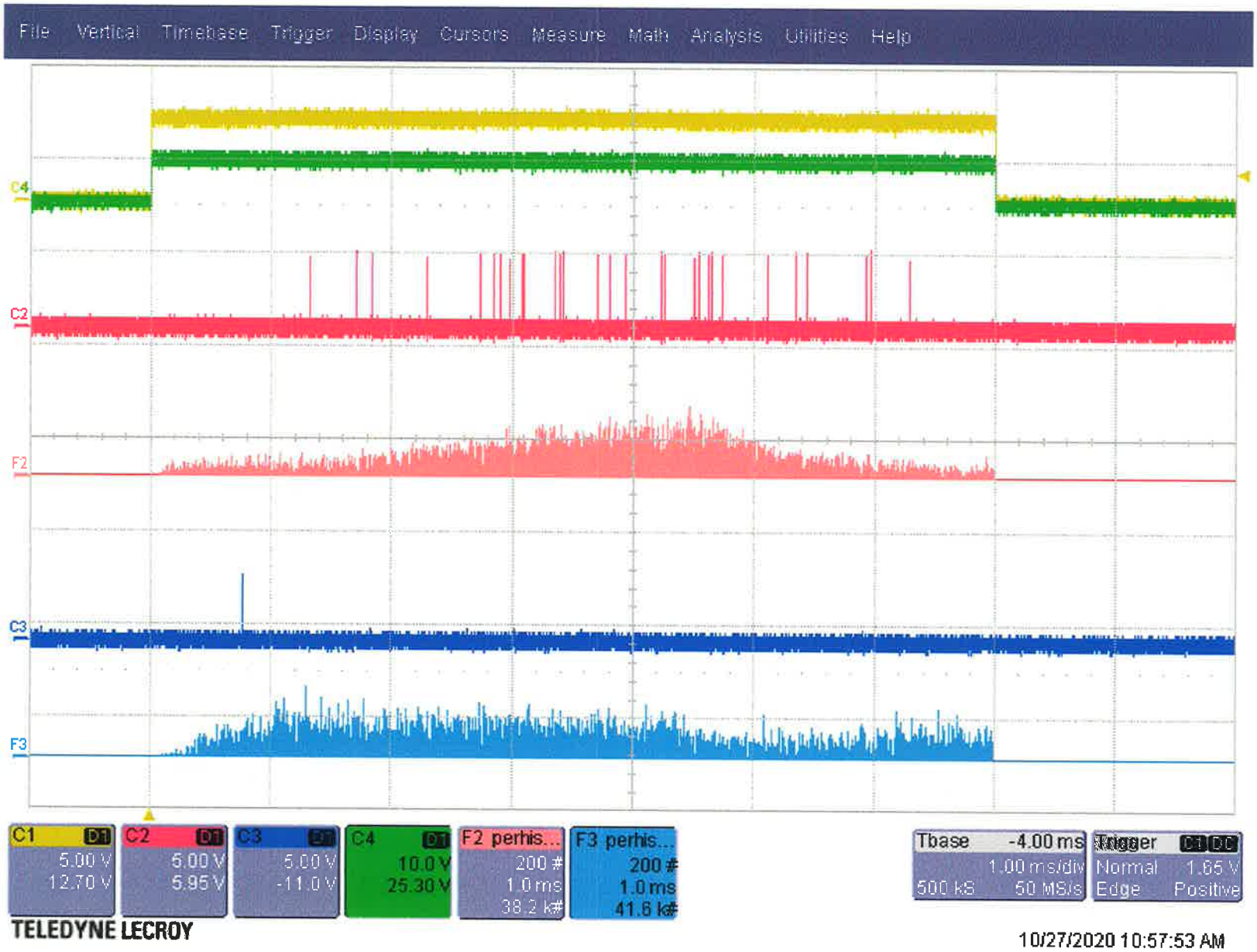
1 ms

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

Ext10 DC 0.15 V 50Ω

10 MS/s

NORMAL


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
C3
F3
C1 DC
5.00 V
12.70 V
C2 DC
5.00 V
5.95 V
C3 DC
5.00 V
-11.0 V
C4 DC
10.0 V
25.30 V
F2 perhis...
200 #
1.0 ms
38.2 k#
F3 perhis...
200 #
1.0 ms
41.6 k#
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
10/27/2020 10:57:53 AM