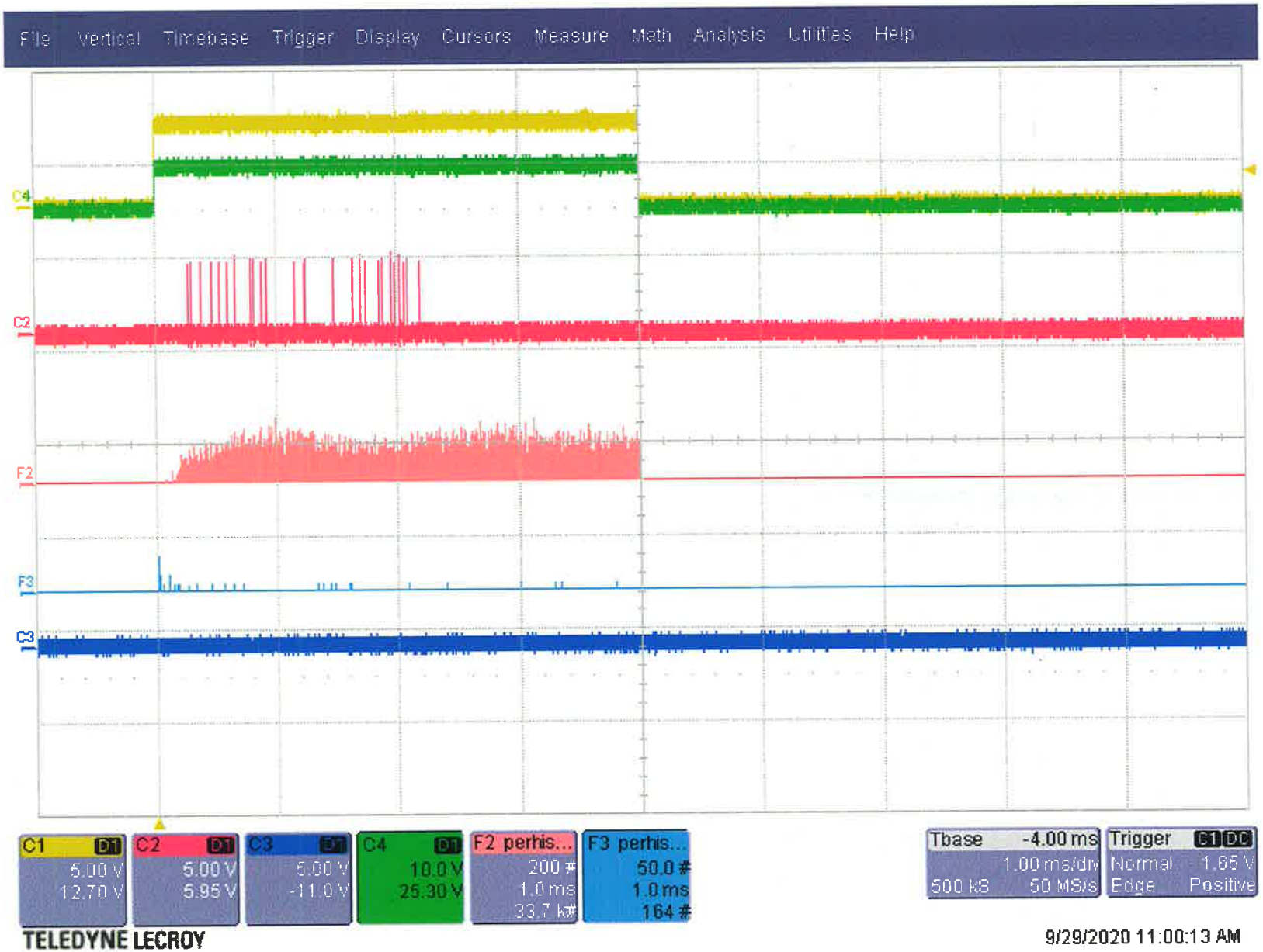
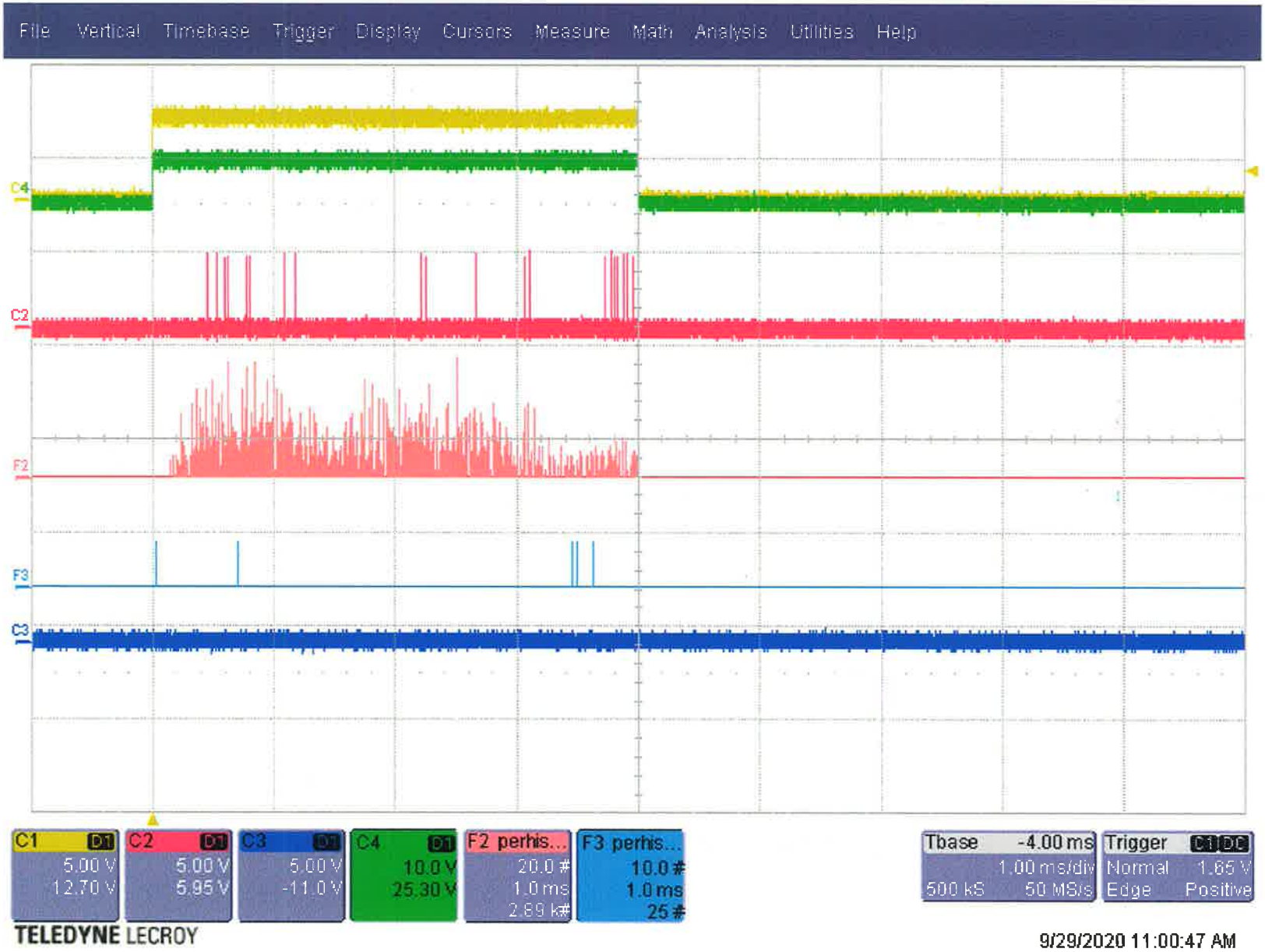
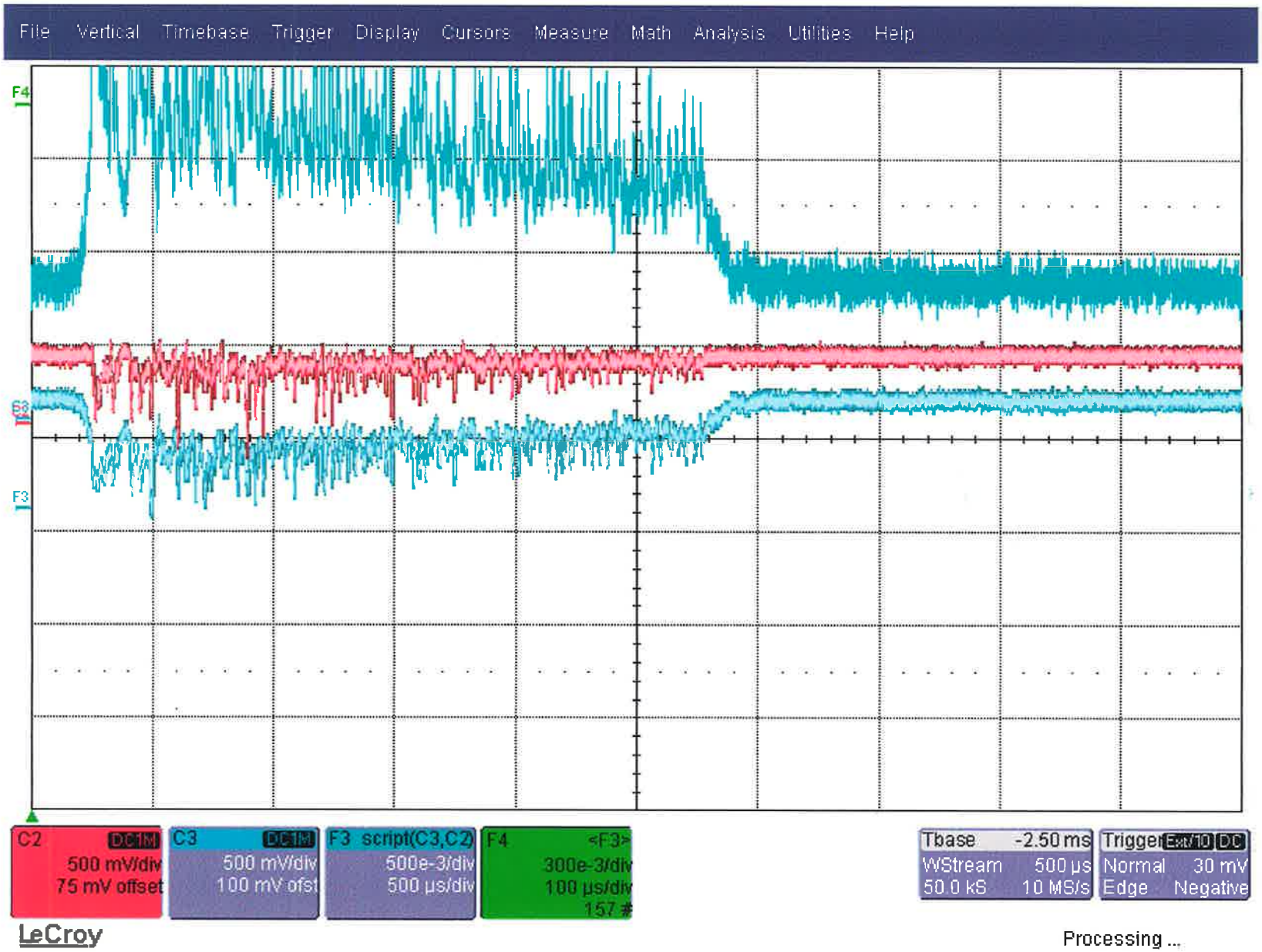
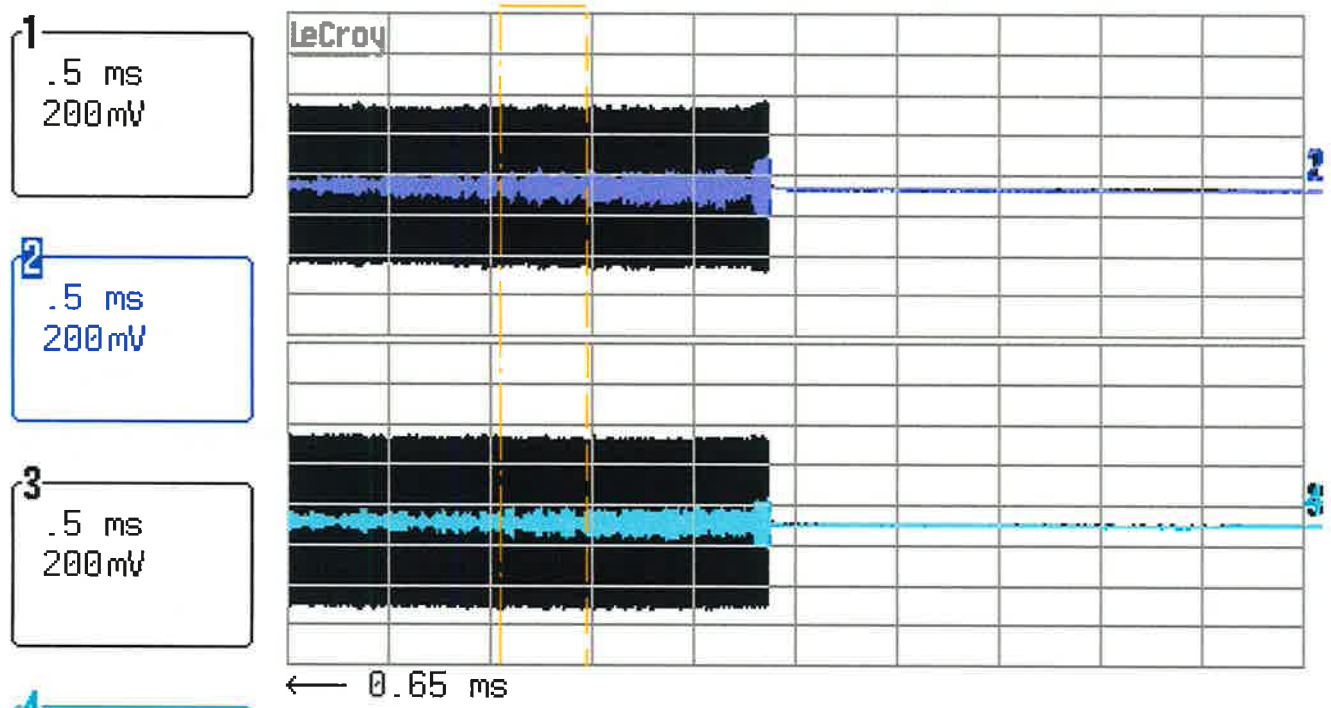

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
F3
C3
C1 D1
5.00 V
12.70 V
C2 D1
5.00 V
5.95 V
C3 D1
5.00 V
-11.0 V
C4 D1
10.0 V
25.30 V
F2 perhis...
200 #
1.0 ms
33.7 k#
F3 perhis...
50.0 #
1.0 ms
164 #
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
9/29/2020 11:00:13 AM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
F3
C3
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...
20.0 #
1.0 ms
2.89 k#
F3 perhis...
10.0 #
1.0 ms
25 #
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
9/29/2020 11:00:47 AM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
F4
C2
F3
C2 DC1M
500 mV/div
75 mV offset
C3 DC1M
500 mV/div
100 mV ofst
F3 script(C3,C2)
500e-3/div
500 µs/div
F4 <F3>
300e-3/div
100 µs/div
157 #
Tbase -2.50 ms
WStream 500 µs
50.0 kS 10 MS/s
Trigger Ext/10 DC
Normal 30 mV
Edge Negative
LeCroy
Processing ...

29-Sep-20
11:15:23



	25 sweeps:	average	low	high	sigma
rms(1)		279.6mV	276.6	282.7	1.6
rms(2)		37.8mV	32.9	43.3	2.5
rms(3)		292.9mV	290.2	295.2	1.5
rms(4)		33.8mV	27.1	37.9	2.8
phase(1,3)		80 °	76	85	1

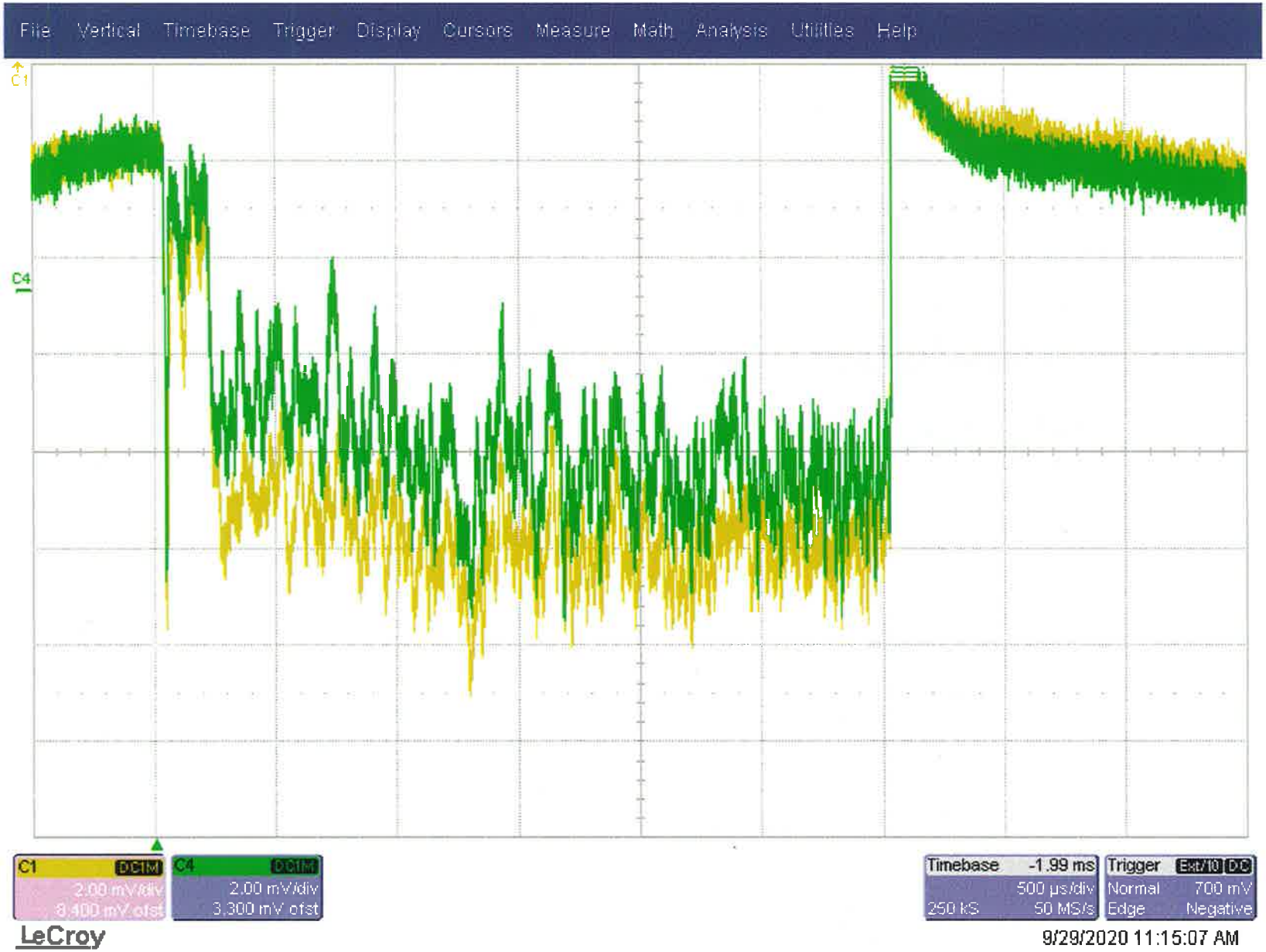
.5 ms

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

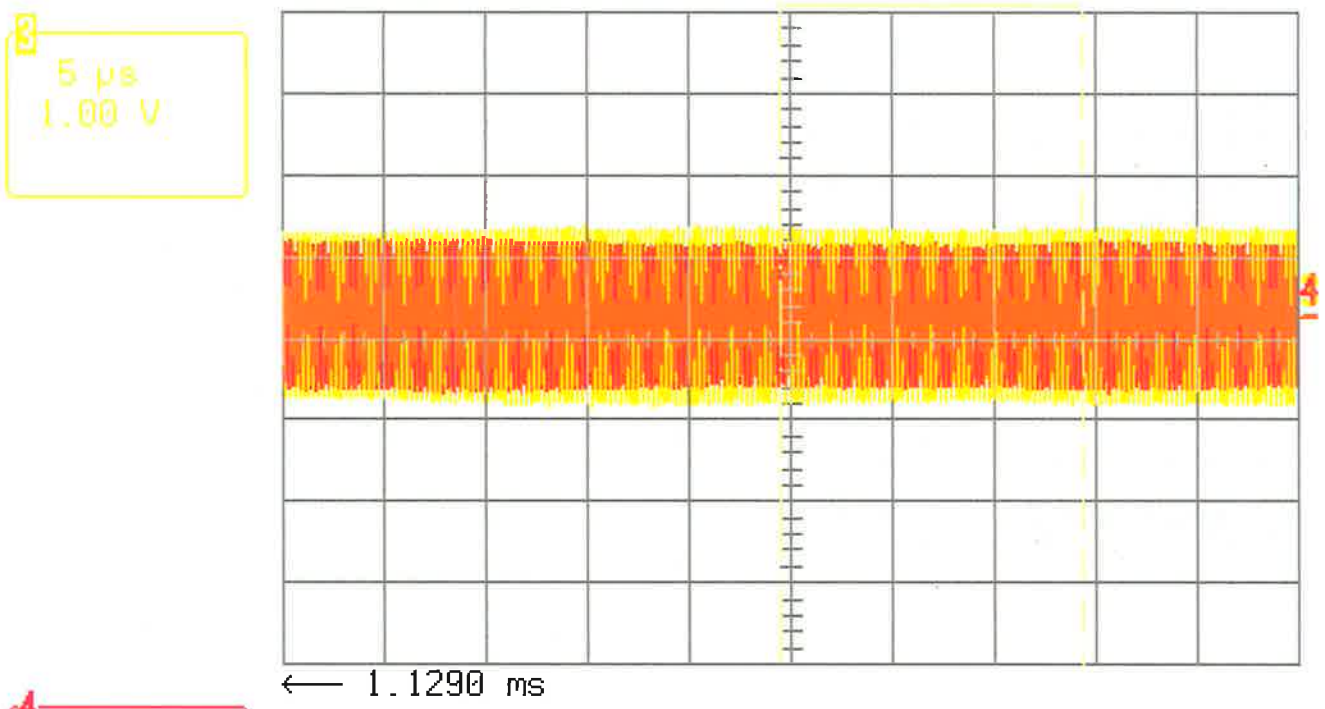
Ext10 DC 0.15 V 50Ω

20 MS/s

NORMAL


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C1
C4
C1 DC1M
2.00 mV/div
8.400 mV ofst
C4 DC1M
2.00 mV/div
3.300 mV ofst
Timebase -1.99 ms
500 µs/div
250 kS 50 MS/s
Trigger Ext/10 DC
Normal 700 mV
Edge Negative
LeCroy
9/29/2020 11:15:07 AM

29-Sep-20
11:16:27

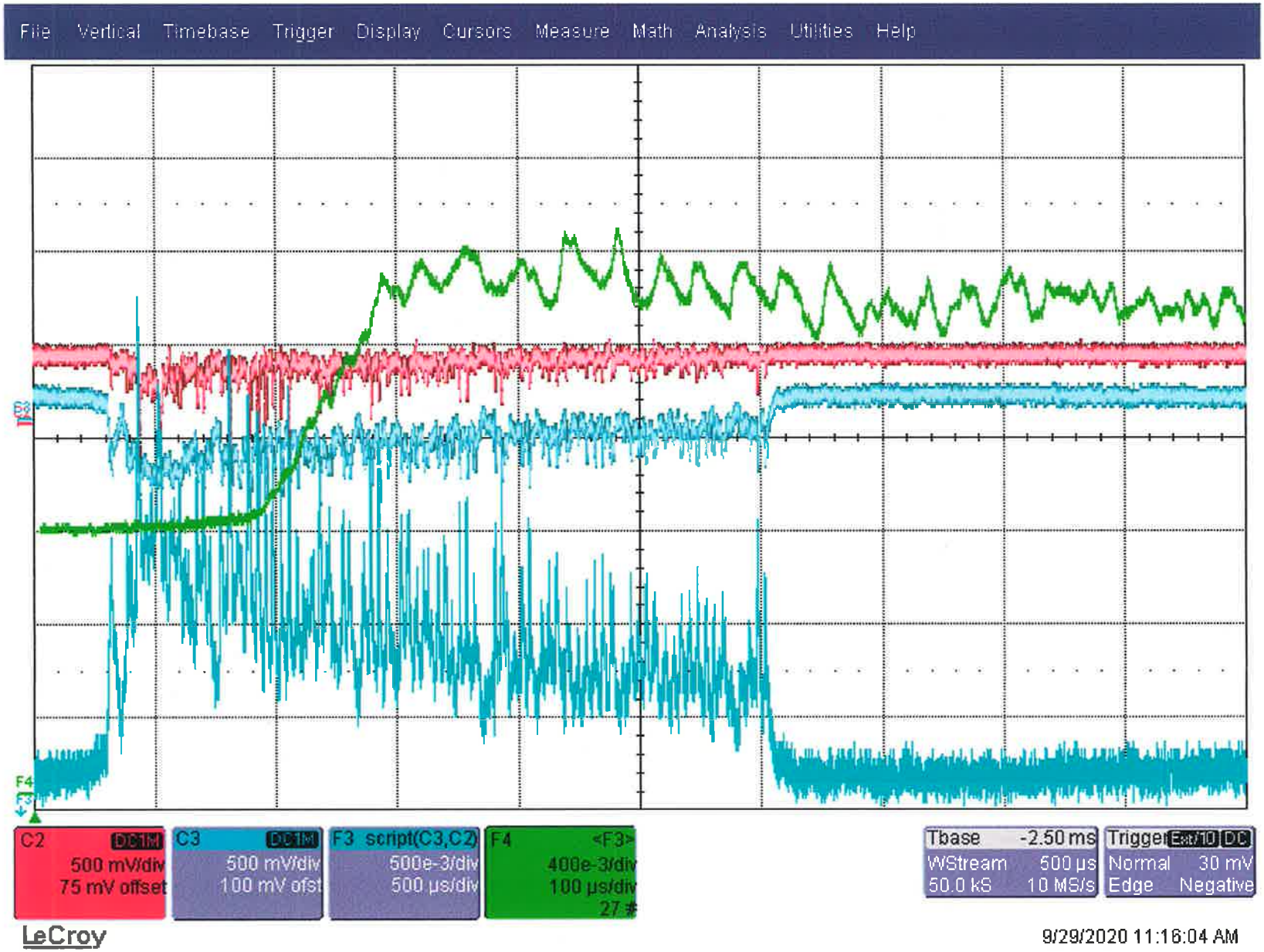


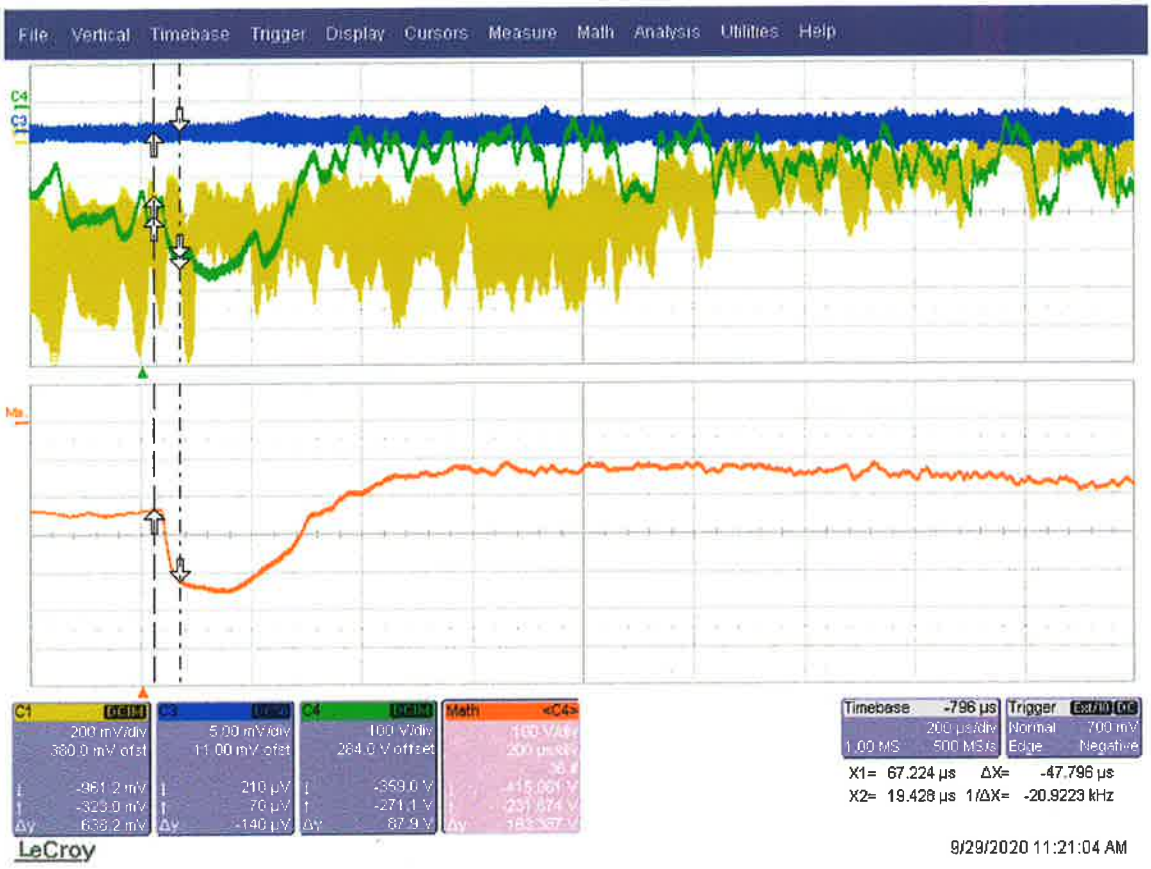
157 sweeps:	average	low	high	sigma
phase(4,3)	-98.5 °	-107.7	-88.5	2.5
rms(1)	13.6mV	13.3	13.9	0.1
rms(2)	13.1mV	12.8	13.4	0.1
rms(4)	596mV	532	672	25
rms(3)	717mV	652	811	30

Ext10 DC 0.15 V 50Ω

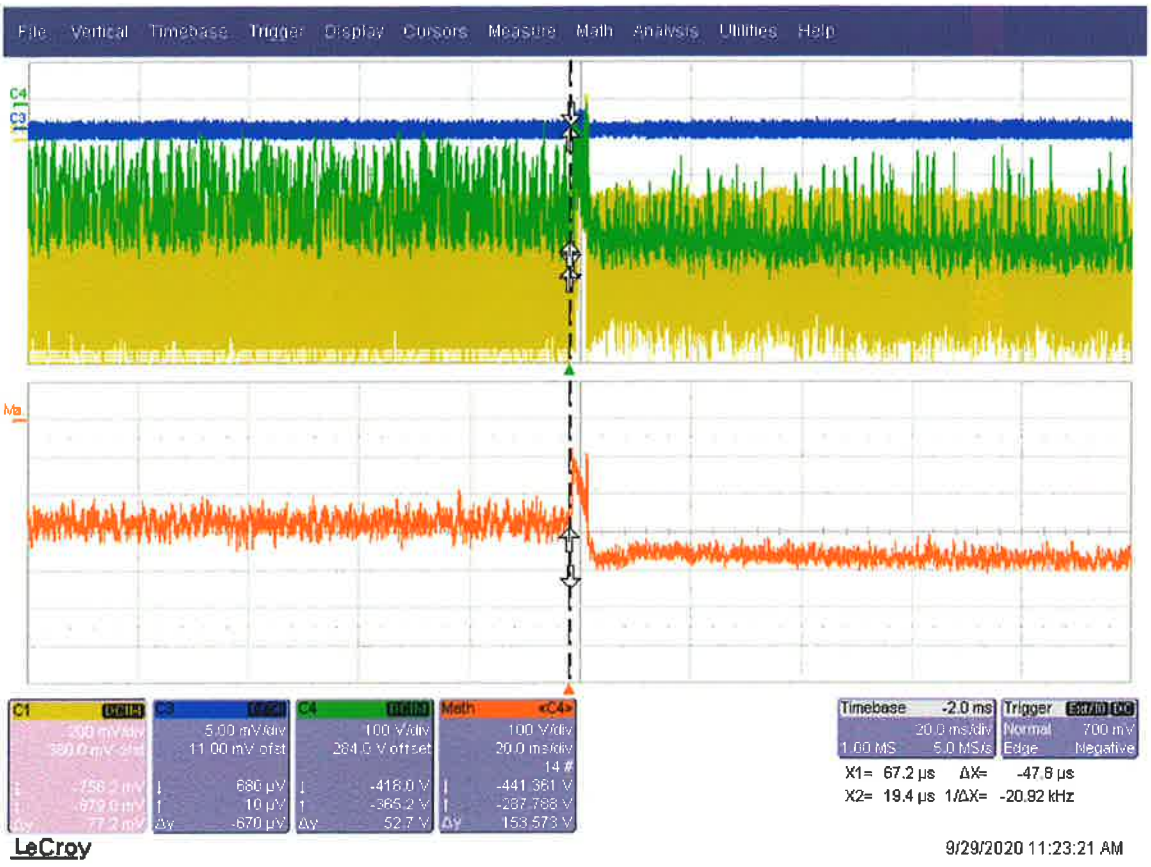
1 GS/s

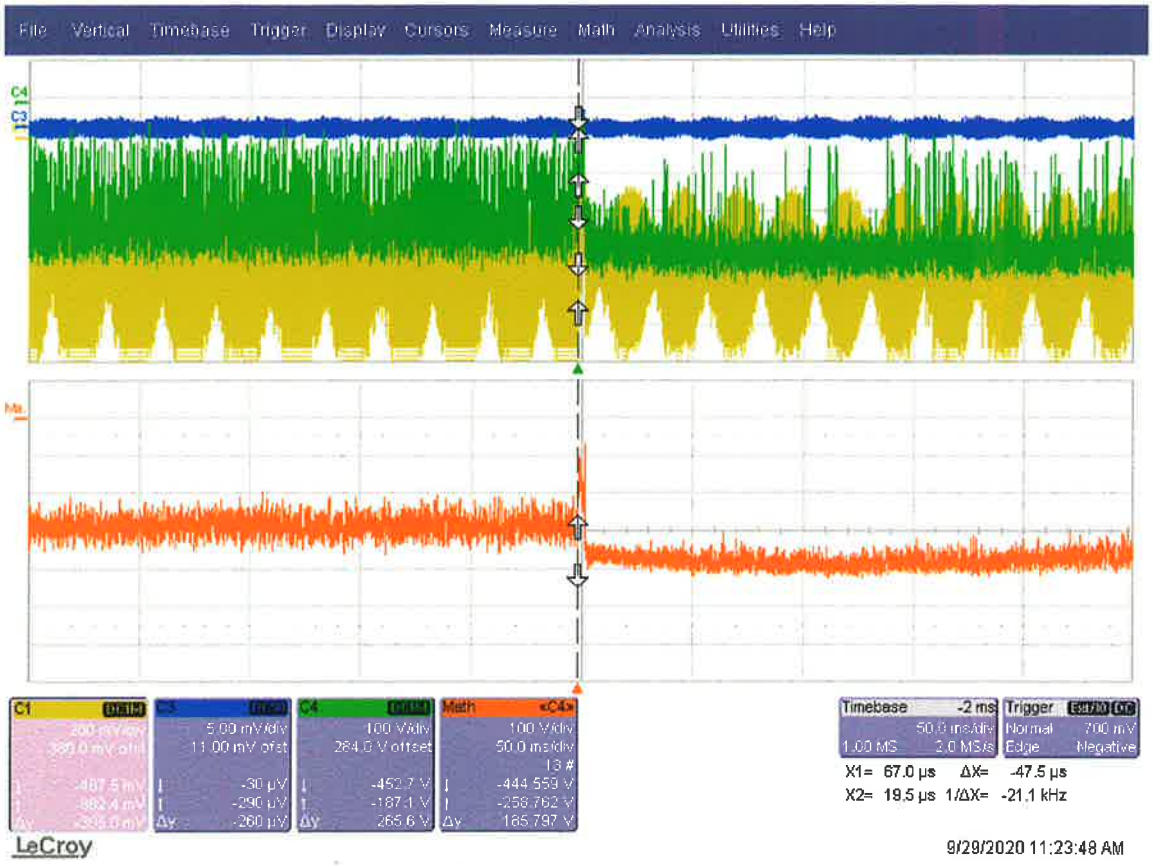
NORMAL

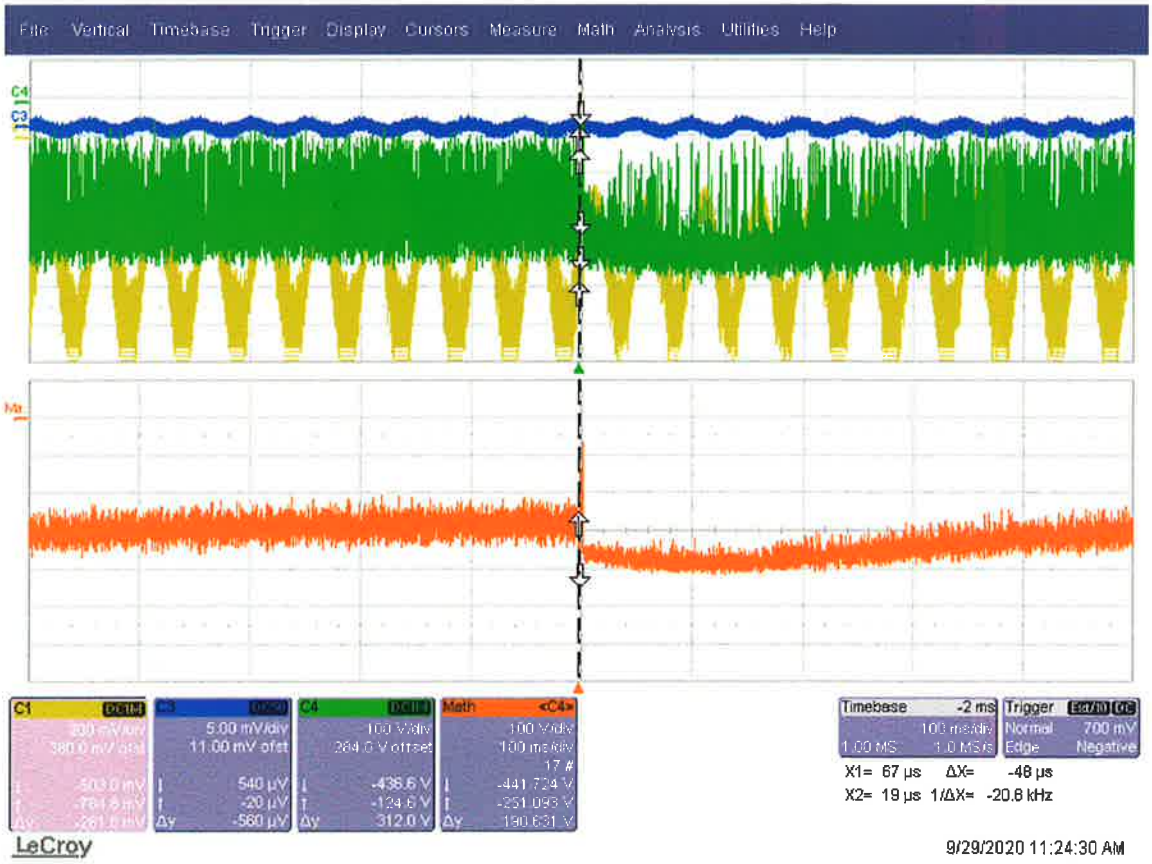

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C2 DC1M
500 mV/div
75 mV offset
C3 DC1M
500 mV/div
100 mV ofst
F3 script(C3,C2)
500e-3/div
500 µs/div
F4 <F3>
400e-3/div
100 µs/div
27 #
Tbase -2.50 ms
WStream 500 µs
50.0 kS 10 MS/s
Trigger Ext/10 DC
Normal 30 mV
Edge Negative
LeCroy
9/29/2020 11:16:04 AM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C3
Ma
C1 DC1M
200 mV/div
360.0 mV ofst
-961.2 mV
-329.0 mV
Δy 638.2 mV
C3 DC1M
5.00 mV/div
11.00 mV ofst
210 µV
70 µV
Δy -140 µV
C4 DC1M
100 V/div
284.0 V offset
-359.0 V
-271.1 V
Δy 87.9 V
Math <C4>
Timebase -796 µs
200 µs/div
1.00 MS 500 MS/s
Trigger Ext/10 DC
Normal 700 mV
Edge Negative
X1= 67.224 µs ΔX= -47.796 µs
X2= 19.428 µs 1/ΔX= -20.9223 kHz
LeCroy
9/29/2020 11:21:04 AM

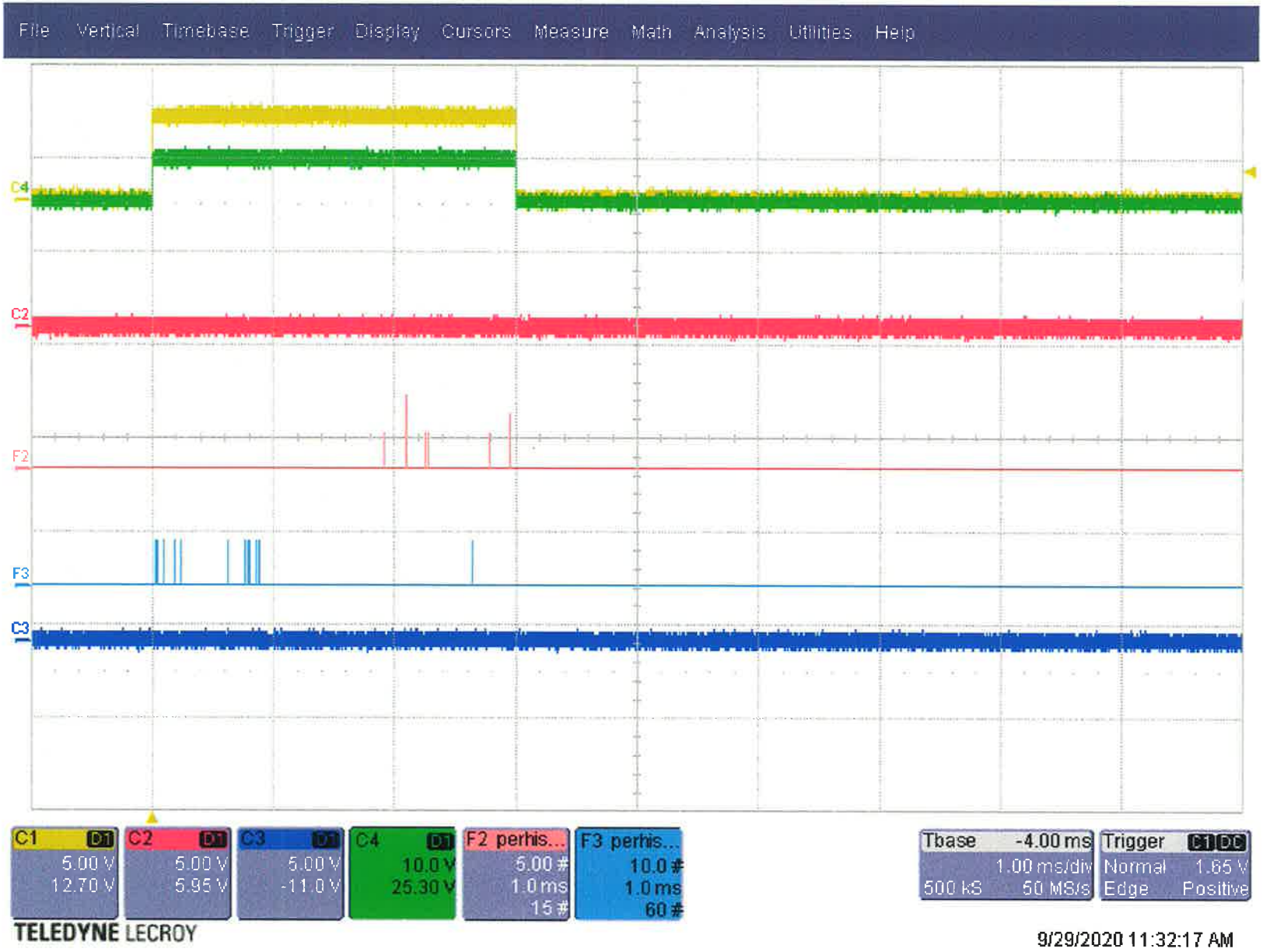
File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C3
Ma
C1
C3
5.00 mV/div
11.00 mV ofst
560 µV
-90 µV
Δy -660 µV
C4
100 V/div
264.0 V offset
-420.9 V
-307.8 V
Δy 113.1 V
Math <C4>
100 V/div
500 µs/div
27 #
-417.563 V
-236.895 V
Δy 180.673 V
Timebase -2.00 ms
500 µs/div
1.00 MS 200 MS/s
Trigger Ext/10 DC
Normal 700 mV
Edge Negative
X1= 67.225 µs ΔX= -47.795 µs
X2= 19.430 µs 1/ΔX= -20.923 kHz
LeCroy
9/29/2020 11:22:33 AM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C3
Ma
C1
C3
5.00 mV/div
11.00 mV ofst
680 µV
10 µV
-670 µV
C4
100 V/div
284.0 V offset
-416.0 V
-365.2 V
52.7 V
Math
«C4»
100 V/div
20.0 ms/div
14 #
-441.361 V
-287.788 V
153.573 V
Timebase -2.0 ms
20.0 ms/div
1.00 MS 5.0 MS/s
Trigger
Normal 700 mV
Edge Negative
X1= 67.2 µs ΔX= -47.6 µs
X2= 19.4 µs 1/ΔX= -20.92 kHz
LeCroy
9/29/2020 11:23:21 AM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C3
Ma
C1
200 mV/div
380.0 mV ofst
-487.5 mV
-882.4 mV
-395.0 mV
C3
5.00 mV/div
11.00 mV ofst
-30 µV
-290 µV
Δy -260 µV
C4
100 V/div
284.0 V offset
-452.7 V
-187.1 V
Δy 265.6 V
Math
100 V/div
50.0 ms/div
13 #
-444.559 V
-258.762 V
Δy 185.797 V
Timebase -2 ms
50.0 ms/div
1.00 MS 2.0 MS/s
Trigger
Normal 700 mV
Edge Negative
X1= 67.0 µs ΔX= -47.5 µs
X2= 19.5 µs 1/ΔX= -21.1 kHz
LeCroy
9/29/2020 11:23:48 AM

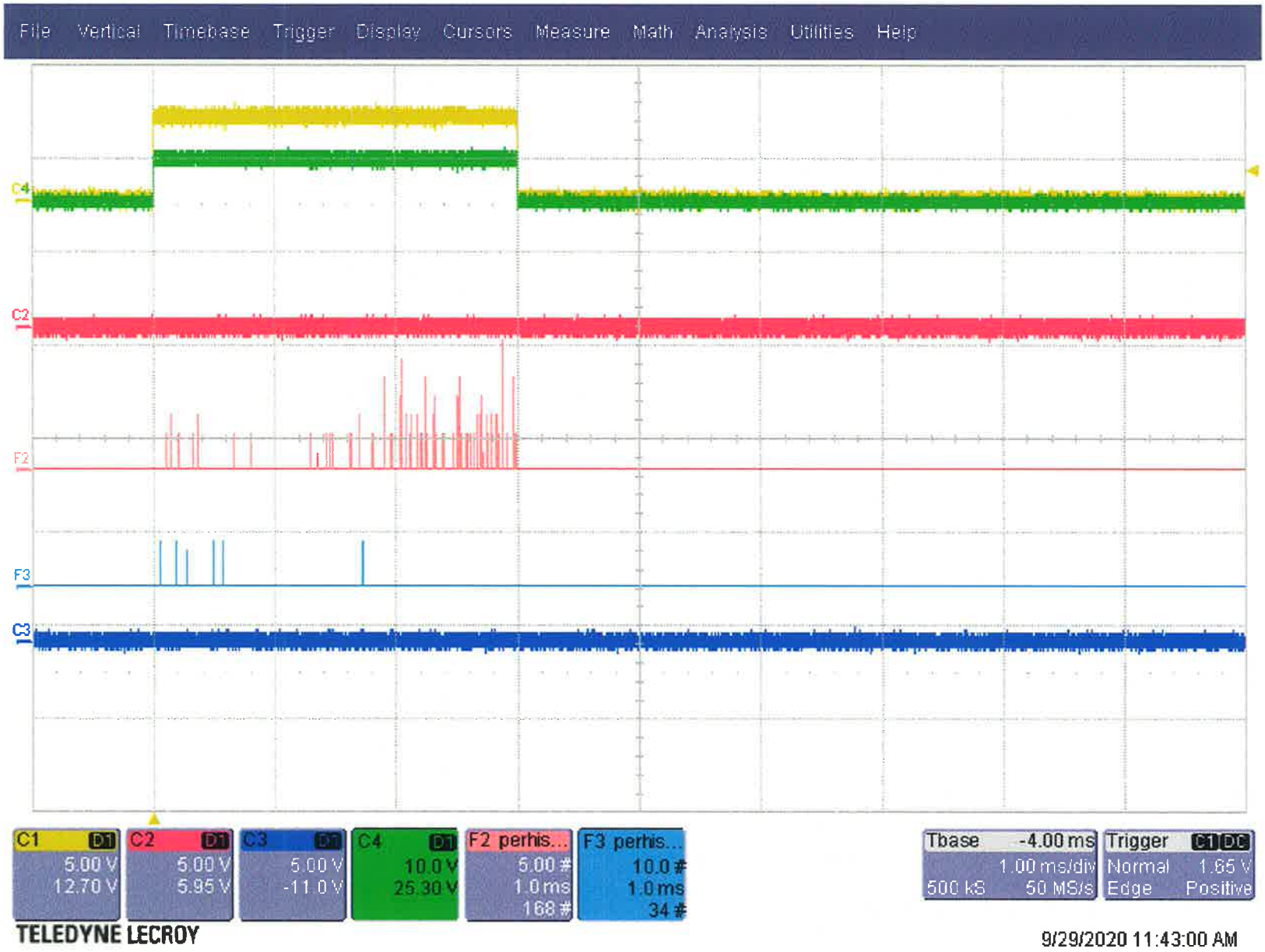

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C3
Ma
C1 DC1M
200 mV/div
380.0 mV offset
503.0 mV
-784.6 mV
-281.6 mV
C3 DC50
5.00 mV/div
11.00 mV offset
540 µV
-20 µV
-560 µV
C4 DC1M
100 V/div
284.0 V offset
-436.6 V
-124.6 V
312.0 V
Math <C4>
100 V/div
100 ms/div
17 #
-441.724 V
-251.093 V
190.631 V
Timebase -2 ms
100 ms/div
1.00 MS 1.0 MS/s
Trigger Edge DC
Normal 700 mV
Edge Negative
X1= 67 µs ΔX= -48 µs
X2= 19 µs 1/ΔX= -20.8 kHz
LeCroy
9/29/2020 11:24:30 AM

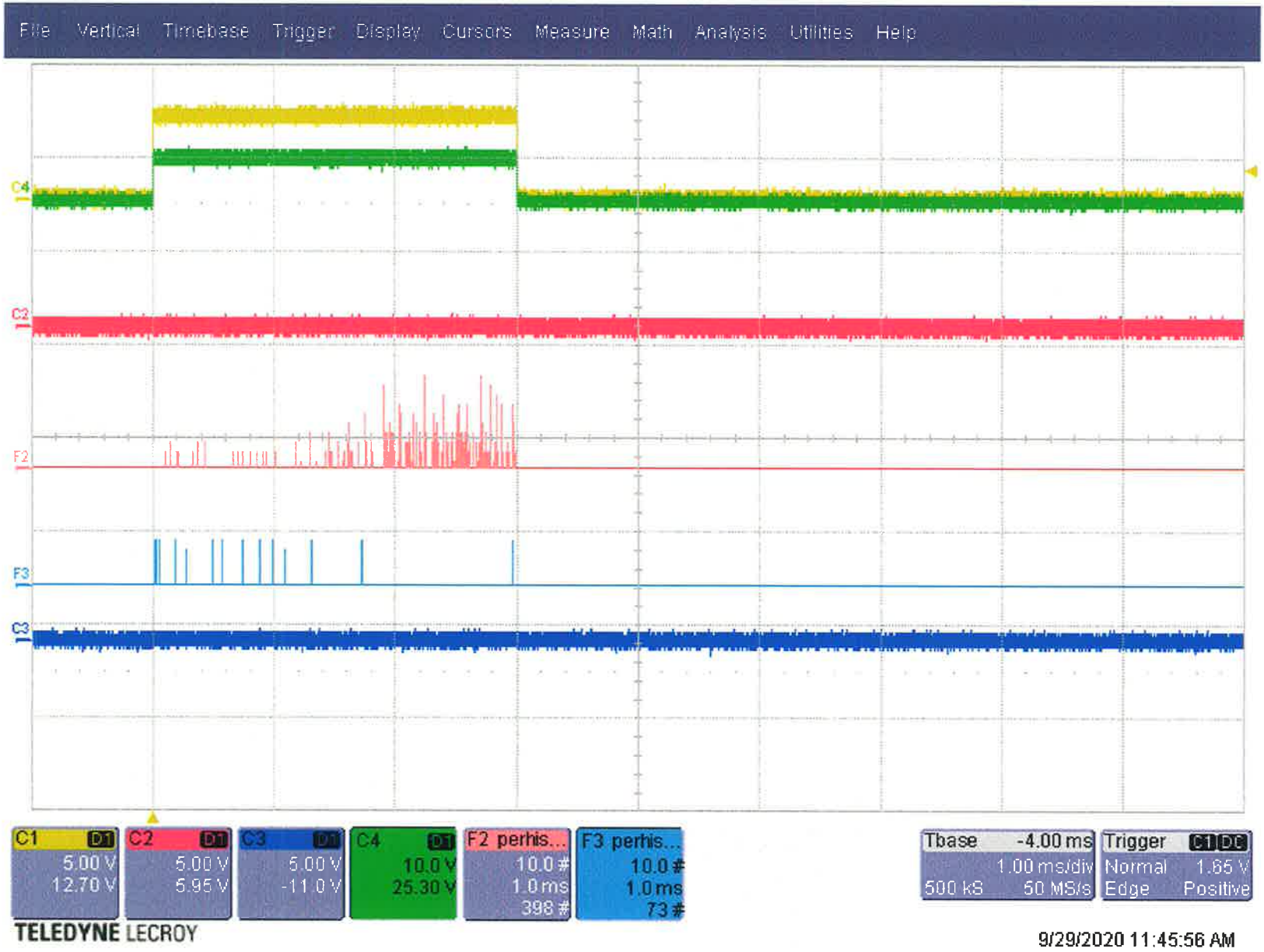
File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C3
Ma
C1 DC1M
200 mV/div
360.0 mV ofst
-463.3 mV
-986.9 mV
Δy -523.6 mV
C3 DC1M
5.00 mV/div
11.00 mV ofst
410 µV
200 µV
Δy -210 µV
C4 DC1M
100 V/div
382.0 V offset
-445.4 V
-348.9 V
Δy 97.5 V
Math <C4>
100 V/div
500 µs/div
1 #
-445.746 V
-348.880 V
Δy 96.866 V
Timebase -2.00 ms
500 µs/div
1.00 MS 200 MS/s
Trigger Ext/10 DC
Normal 700 mV
Edge Negative
X1= 67.225 µs ΔX= -47.795 µs
X2= 19.430 µs 1/ΔX= -20.923 kHz
LeCroy
9/29/2020 11:29:29 AM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
F3
C3
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...
5.00 #
1.0 ms
15 #
F3 perhis...
10.0 #
1.0 ms
60 #
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
9/29/2020 11:32:17 AM

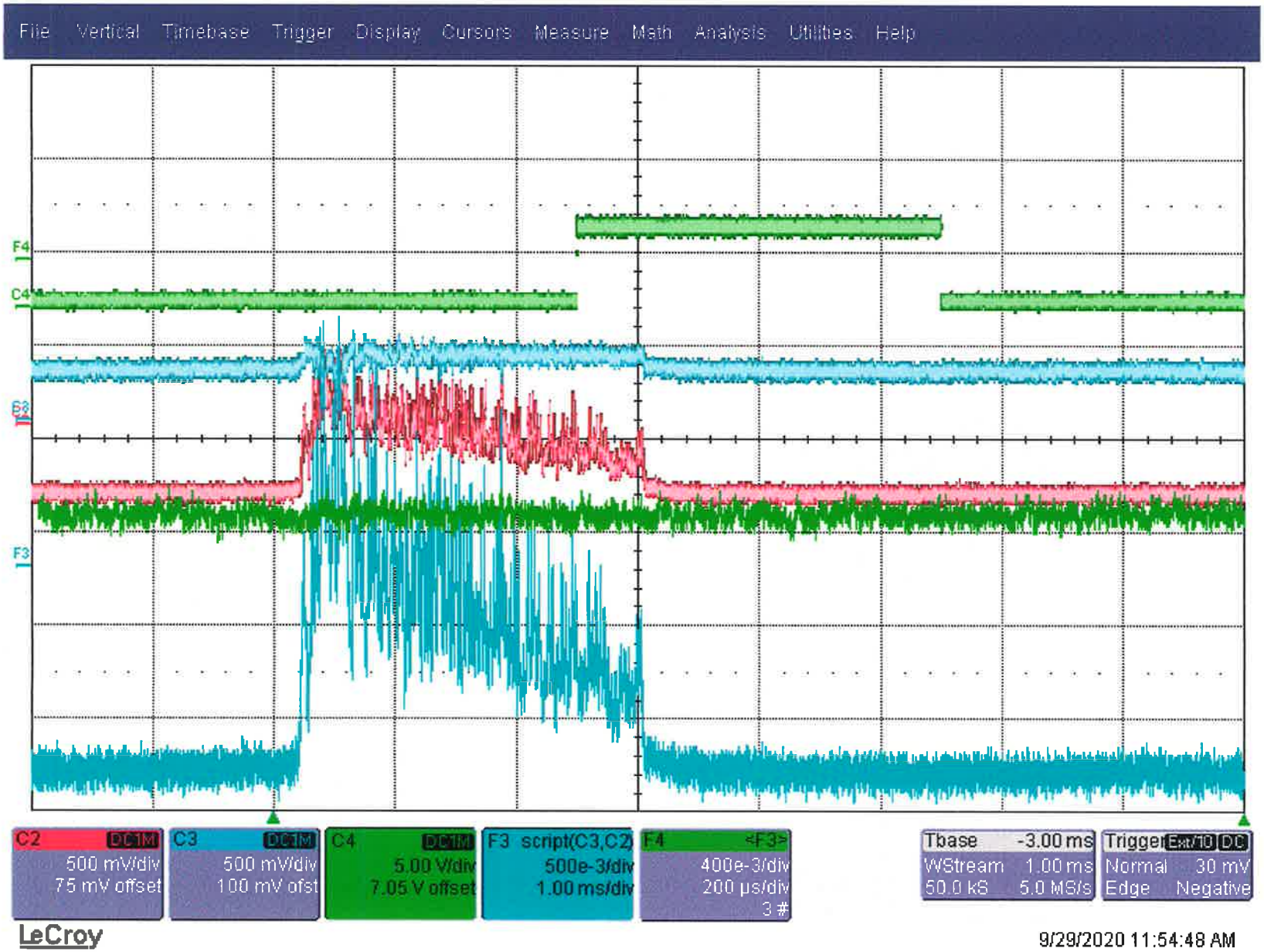
File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C3
Ma
C1 DC1M
200 mV/div
380.0 mV ofst
-568.7 mV
-567.5 mV
Δy 21.1 mV
C3 DC1M
5.00 mV/div
11.00 mV ofst
380 µV
-460 µV
Δy -840 µV
C4 DC1M
100 V/div
302.0 V offset
-421.7 V
-341.6 V
Δy 80.1 V
Math <C4>
100 V/div
Timebase -2.00 ms
500 µs/div
1.00 MS 200 MS/s
Trigger Edge DC
Normal 700 mV
Edge Negative
X1= 67.225 µs ΔX= -47.795 µs
X2= 19.430 µs 1/ΔX= -20.923 kHz
LeCroy
9/29/2020 11:32:05 AM

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
F3
C3
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... 5.00 # 1.0 ms 35 #
F3 perhis... 20.0 # 1.0 ms 104 #
Tbase -4.00 ms 1.00 ms/div 500 kS 50 MS/s
Trigger C1 DC Normal 1.65 V Edge Positive
TELEDYNE LECROY
9/29/2020 11:34:48 AM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
F3
C3
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...
5.00 #
1.0 ms
168 #
F3 perhis...
10.0 #
1.0 ms
34 #
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
9/29/2020 11:43:00 AM

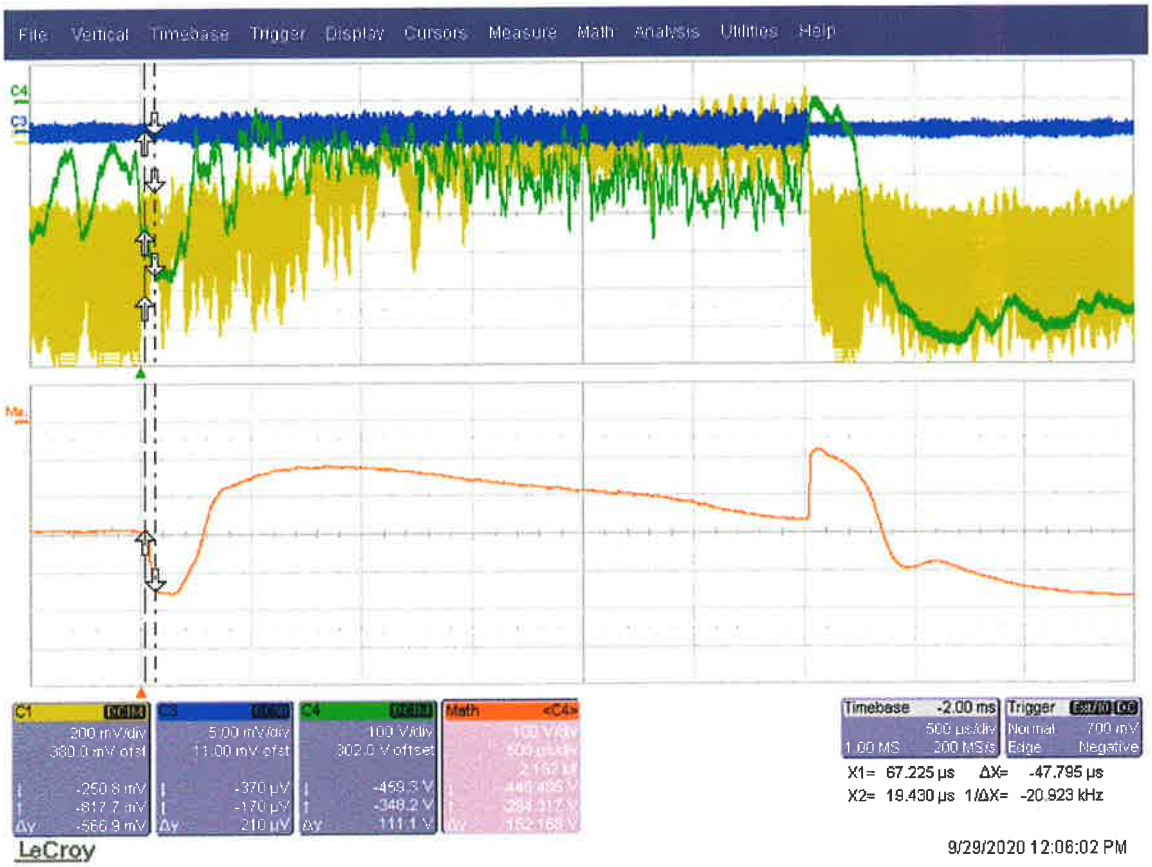

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
F3
C3
C1 D1
5.00 V
12.70 V
C2 D1
5.00 V
5.95 V
C3 D1
5.00 V
-11.0 V
C4 D1
10.0 V
25.30 V
F2 perhis...
10.0 #
1.0 ms
398 #
F3 perhis...
10.0 #
1.0 ms
73 #
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
9/29/2020 11:45:56 AM

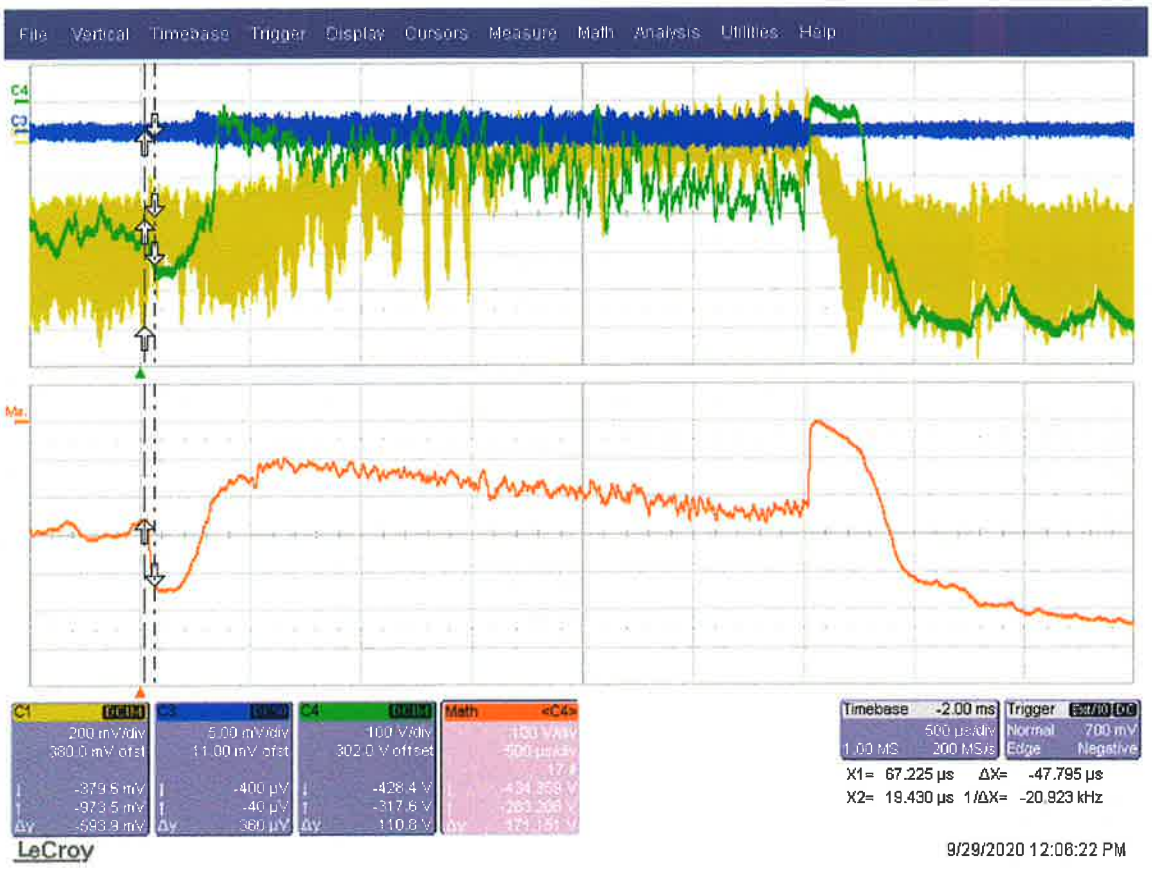
File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C3
Ma
C1 DC1M
200 mV/div
380.0 mV ofst
-447.2 mV
-639.9 mV
Δy -383.7 mV
C3 DC1M
5.00 mV/div
11.00 mV ofst
320 µV
-420 µV
Δy -740 µV
C4 DC1M
100 V/div
302.0 V offset
-432.1 V
-165.9 V
Δy 266.1 V
Math «C4»
100 V/div
Timebase -2.00 ms
500 µs/div
1.00 MS 200 MS/s
Trigger Ext/10 DC
Normal 700 mV
Edge Negative
X1= 67.225 µs ΔX= -47.795 µs
X2= 19.430 µs 1/ΔX= -20.923 kHz
LeCroy
9/29/2020 11:46:02 AM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
F4
C4
C3
F3
C2 DC1M
500 mV/div
75 mV offset
C3 DC1M
500 mV/div
100 mV ofst
C4 DC1M
5.00 V/div
7.05 V offset
F3 script(C3,C2)
500e-3/div
1.00 ms/div
F4 <F3>
400e-3/div
200 µs/div
3 #
Tbase -3.00 ms
WStream 1.00 ms
50.0 kS 5.0 MS/s
Trigger Ext/10 DC
Normal 30 mV
Edge Negative
LeCroy
9/29/2020 11:54:48 AM

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
F3
C3
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...
20.0 #
1.0 ms
1.31 k#
F3 perhis...
20.0 #
1.0 ms
191 #
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
9/29/2020 11:55:33 AM

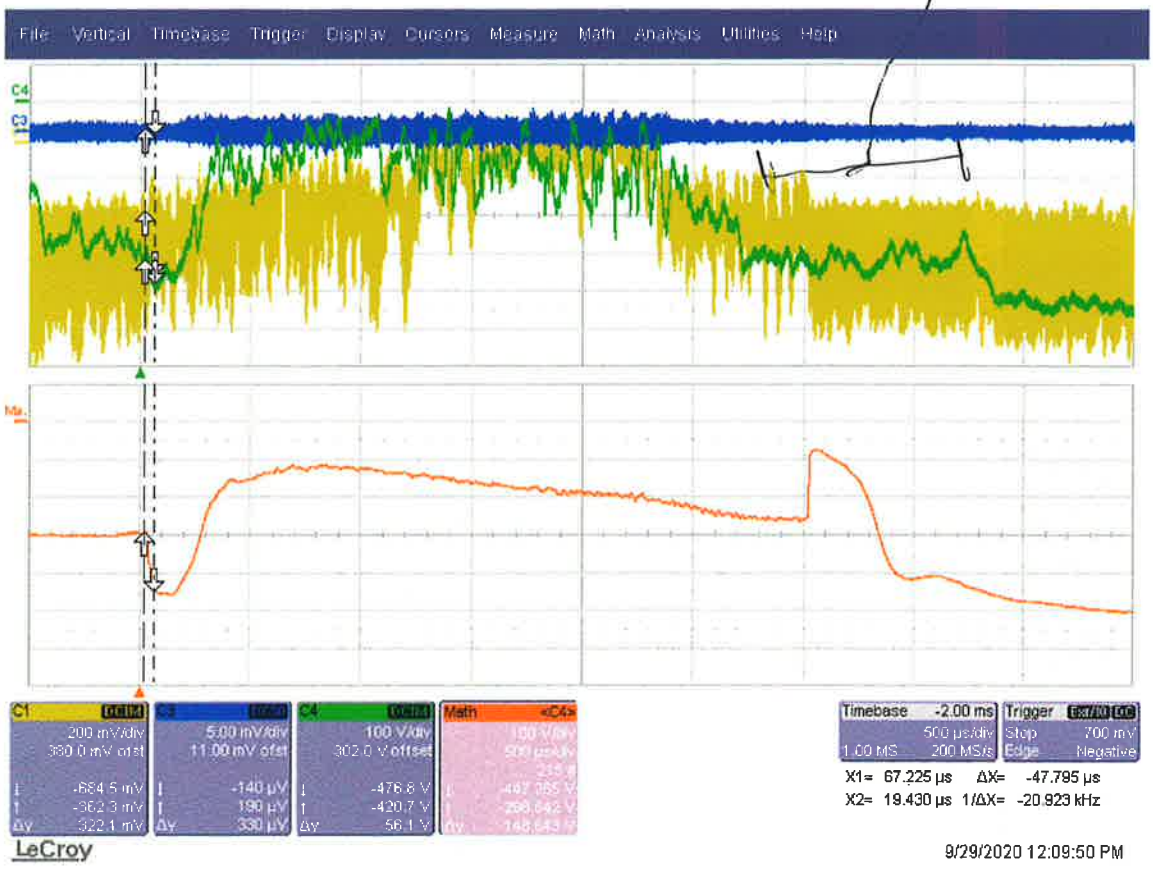
File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
F3
C3
C1 D1 5.00 V 12.70 V
C2 D1 5.00 V 5.95 V
C3 D1 5.00 V -11.0 V
C4 D1 10.0 V 25.30 V
F2 perhis... 20.0 # 1.0 ms 2.08 k#
F3 perhis... 20.0 # 1.0 ms 249 #
Tbase -4.00 ms 1.00 ms/div 500 kS 50 MS/s
Trigger C1 DC Normal 1.65 V Edge Positive
TELEDYNE LECROY
9/29/2020 12:01:56 PM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C3
C1 DC1M
200 mV/div
380.0 mV ofst
-250.8 mV
-817.7 mV
Δy -566.9 mV
C3 DC1M
5.00 mV/div
11.00 mV ofst
-370 µV
-170 µV
Δy 210 µV
C4 DC1M
100 V/div
302.0 V offset
-459.3 V
-348.2 V
Δy 111.1 V
Math <C4>
Timebase -2.00 ms
500 µs/div
1.00 MS 200 MS/s
Trigger Ext/10 DC
Normal 700 mV
Edge Negative
X1= 67.225 µs ΔX= -47.795 µs
X2= 19.430 µs 1/ΔX= -20.923 kHz
LeCroy
9/29/2020 12:06:02 PM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C3
Ma
C1 DC1M
200 mV/div
380.0 mV ofst
-379.5 mV
-973.5 mV
Δy -593.9 mV
C3 DC1M
5.00 mV/div
11.00 mV ofst
-400 µV
-40 µV
Δy 360 µV
C4 DC1M
100 V/div
302.0 V offset
-428.4 V
-317.6 V
Δy 110.8 V
Math <C4>
Timebase -2.00 ms
500 µs/div
1.00 MS 200 MS/s
Trigger Ext/10 DC
Normal 700 mV
Edge Negative
X1= 67.225 µs ΔX= -47.795 µs
X2= 19.430 µs 1/ΔX= -20.923 kHz
LeCroy
9/29/2020 12:06:22 PM

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
F3
C3
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...
50.0 #
1.0 ms
3.04 k#
F3 perhis...
50.0 #
1.0 ms
348 #
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
9/29/2020 12:09:11 PM

Every so often, the end of the discharge is early. Infrequent



File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C3
Ma
C1 DC1M
200 mV/div
380.0 mV ofst
-452.5 mV
-1.0833 V
Δy -630.8 mV
C3 DC1M
5.00 mV/div
11.00 mV ofst
-130 µV
330 µV
Δy 460 µV
C4 DC1M
100 V/div
302.0 V offset
-474.1 V
-121.0 V
Δy 353.1 V
Math <C4>
100 V/div
500 µs/div
261 #
-449.344 V
-302.725 V
Δy 146.620 V
Timebase -2.00 ms
500 µs/div
1.00 MS 200 MS/s
Trigger Ext/10 DC
Stop 700 mV
Edge Negative
X1= 67.225 µs ΔX= -47.795 µs
X2= 19.430 µs 1/ΔX= -20.923 kHz
LeCroy
9/29/2020 12:11:02 PM

Page successfully sent to the printer queue.

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
F3
C3
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...
50.0 #
1.0 ms
3.67 k#
F3 perhis...
50.0 #
1.0 ms
397 #
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
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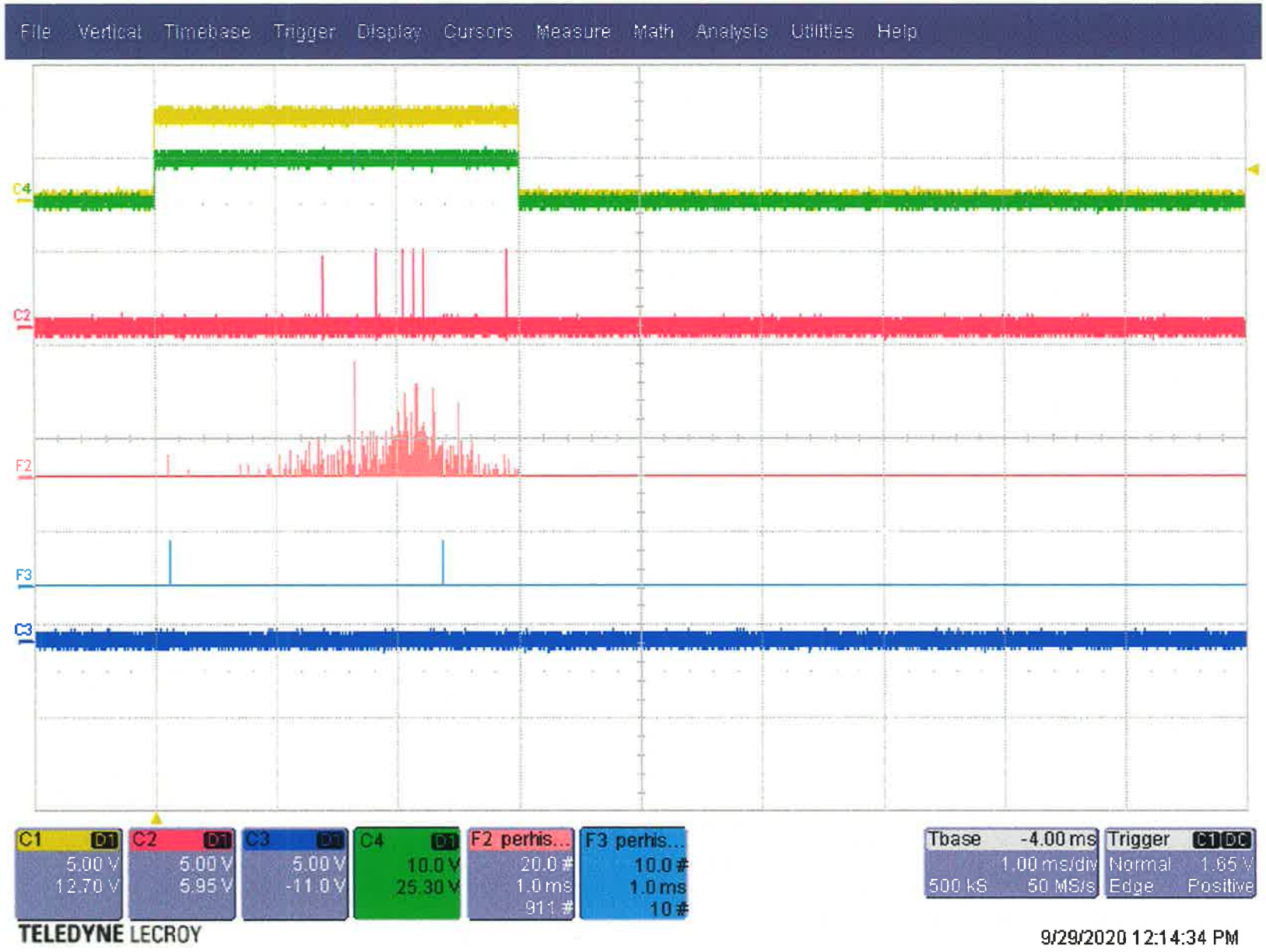
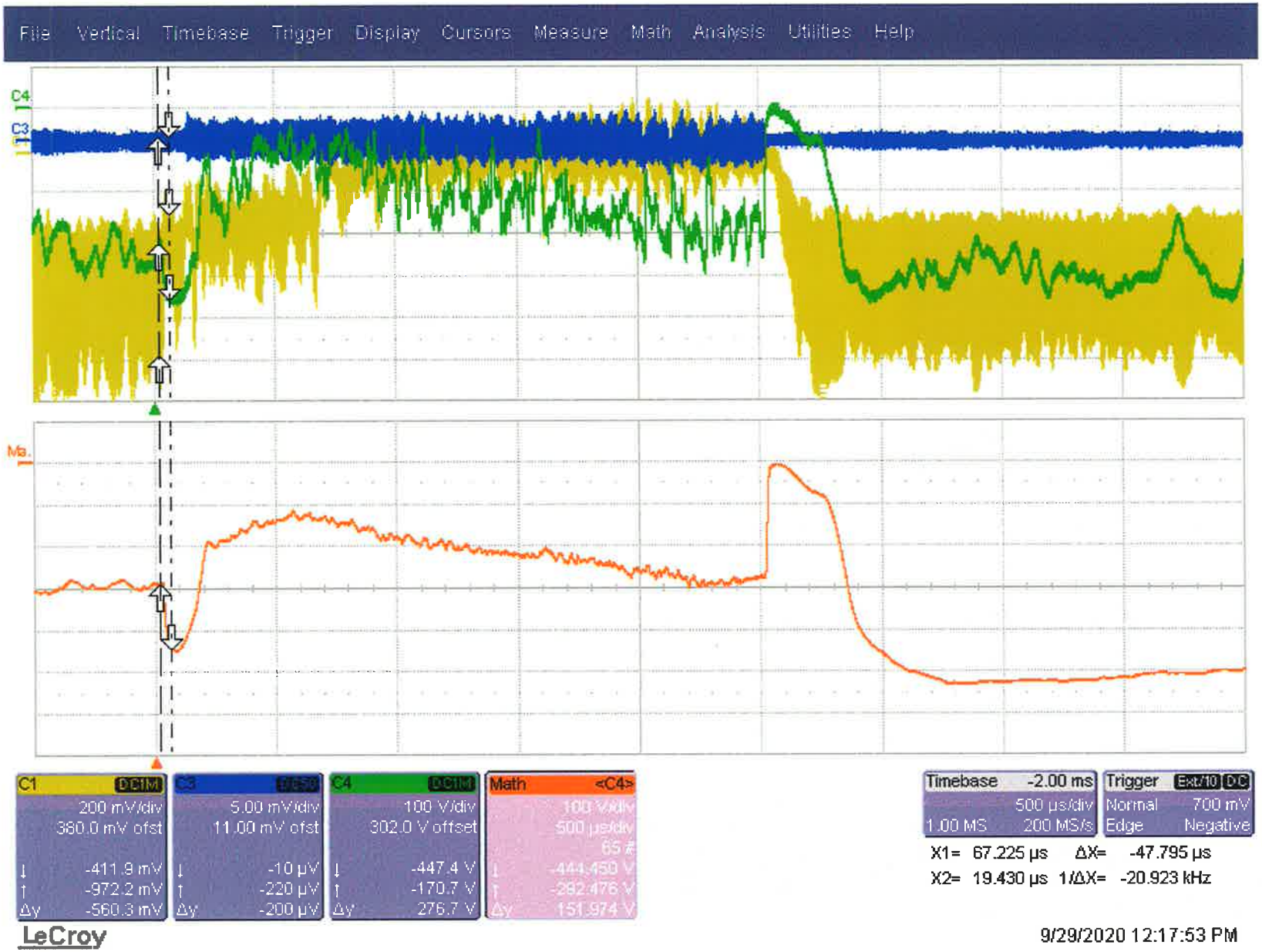

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
F3
C3
C1 D1
5.00 V
12.70 V
C2 D1
5.00 V
5.95 V
C3 D1
5.00 V
-11.0 V
C4 D1
10.0 V
25.30 V
F2 perhis...
20.0 #
1.0 ms
911 #
F3 perhis...
10.0 #
1.0 ms
10 #
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
9/29/2020 12:14:34 PM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C3
Ma
C1 DC1M
200 mV/div
380.0 mV ofst
-411.9 mV
-972.2 mV
Δy -560.3 mV
C3 DC50
5.00 mV/div
11.00 mV ofst
-10 µV
-220 µV
Δy -200 µV
C4 DC1M
100 V/div
302.0 V offset
-447.4 V
-170.7 V
Δy 276.7 V
Math <C4>
100 V/div
500 µs/div
65 #
-444.450 V
-292.476 V
Δy 151.974 V
Timebase -2.00 ms
500 µs/div
1.00 MS 200 MS/s
Trigger Ext/10 DC
Normal 700 mV
Edge Negative
X1= 67.225 µs ΔX= -47.795 µs
X2= 19.430 µs 1/ΔX= -20.923 kHz
LeCroy
9/29/2020 12:17:53 PM

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C2
F2
F3
C3
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...
20.0 #
1.0 ms
792 #
F3 perhis...
10.0 #
1.0 ms
25 #
Tbase -4.00 ms
1.00 ms/div
500 kS 50 MS/s
Trigger C1 DC
Normal 1.65 V
Edge Positive
TELEDYNE LECROY
9/29/2020 12:19:13 PM