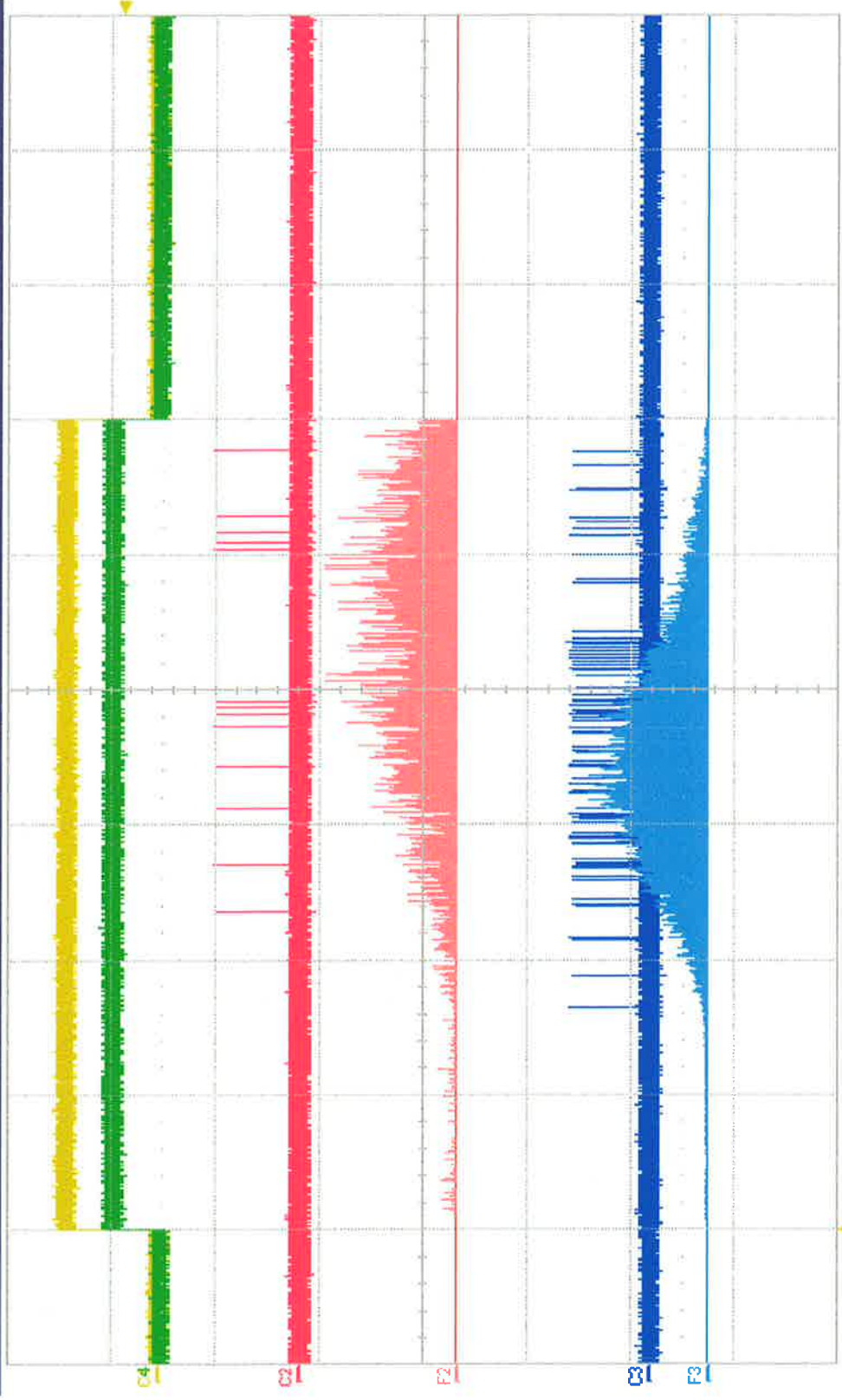


C1	D1	5.00 V	12.70 V
C2	D1	5.00 V	5.95 V
C3	D1	5.00 V	-11.0 V
C4	D1	10.0 V	25.30 V
F2 peris...	50.0 #	1.0 ms	9.71 k#
F3 peris...	1.00 k#	1.0 ms	173 k#
Thase	-4.00 ms	1.00 ms/div	500 kS
Trigger	Normal	Edge	Positive

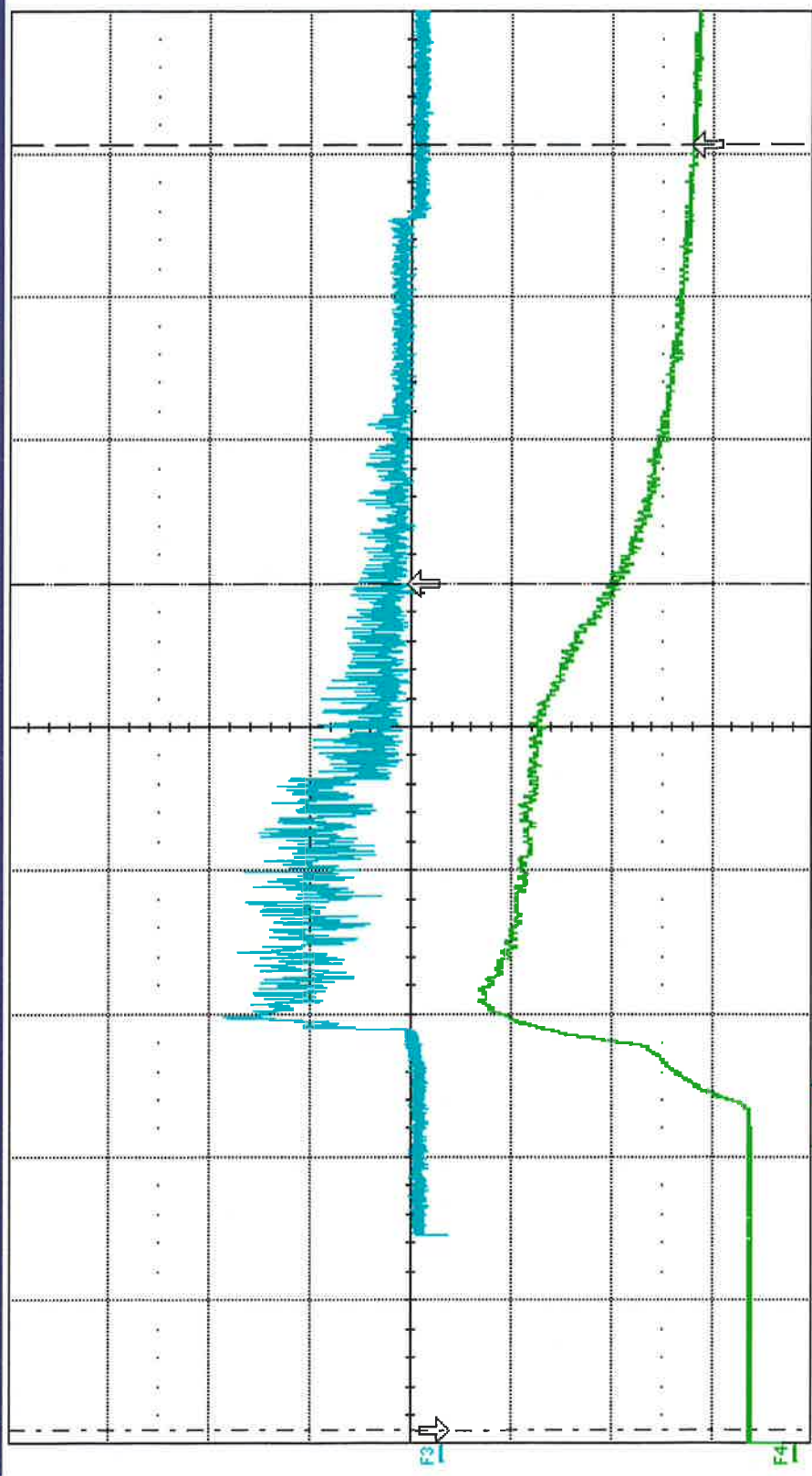


Timebase -4.00 ms
1.00 mV/div
500 kS
50 mV/s
Trigger Normal
Edge
Positive
1.05 V

C1 5.00 V 12.70 V
C2 5.00 V 5.95 V
C3 5.00 V -11.0 V
C4 10.0 V 25.30 V
F2 peris... 50.0 # 1.0 ms 11.7 k#
F3 peris... 1.00 k# 1.0 ms 206 k#

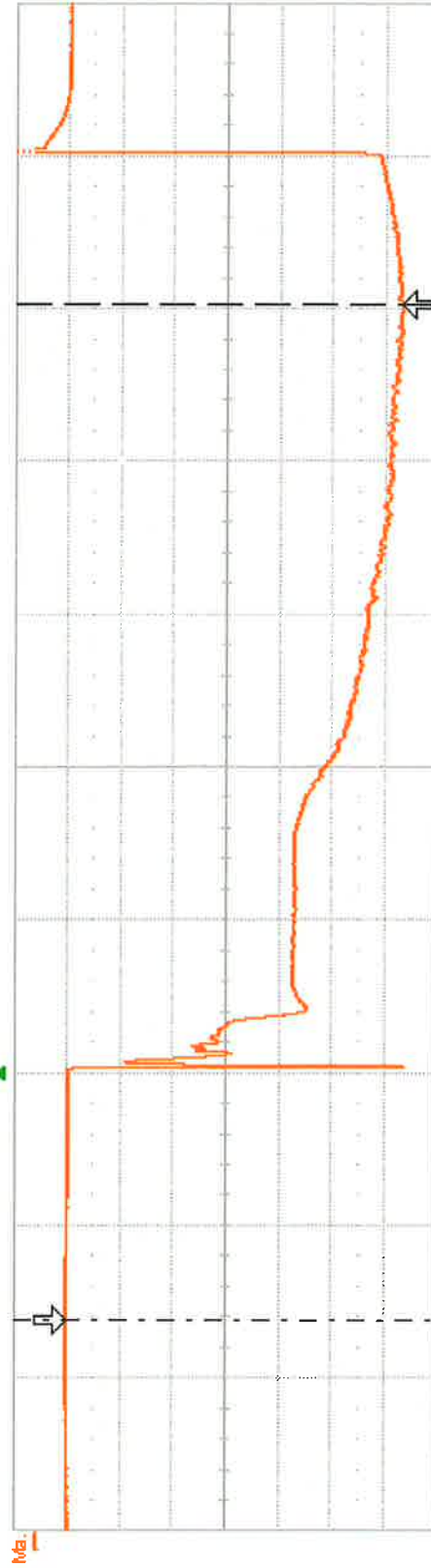
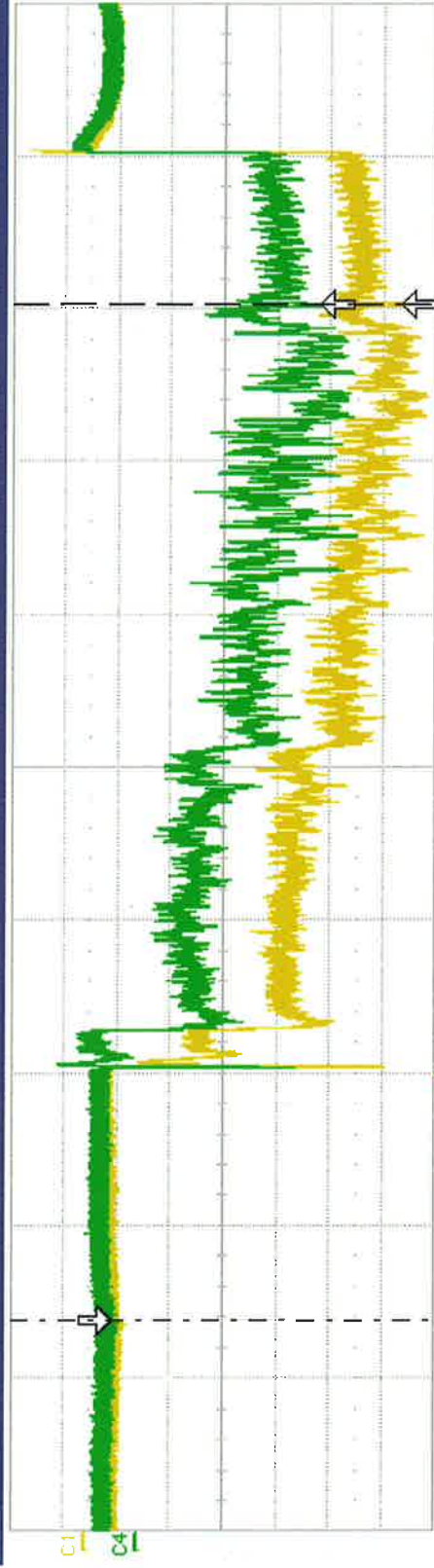
TELEDYNE LECROY

Waiting for Trigger 10/20/2020 3:23:45 PM



Tbase -3.96 ms
 WStream 1.00 ms
 50.0 kS 5.0 MS/s
 Trigger Ext10 DC
 Normal 30 mV
 Edge Negative
 X1= -2.4054 ms ΔX= 5.8964 ms
 X2= 3.4910 ms 1/ΔX= 169.595 Hz

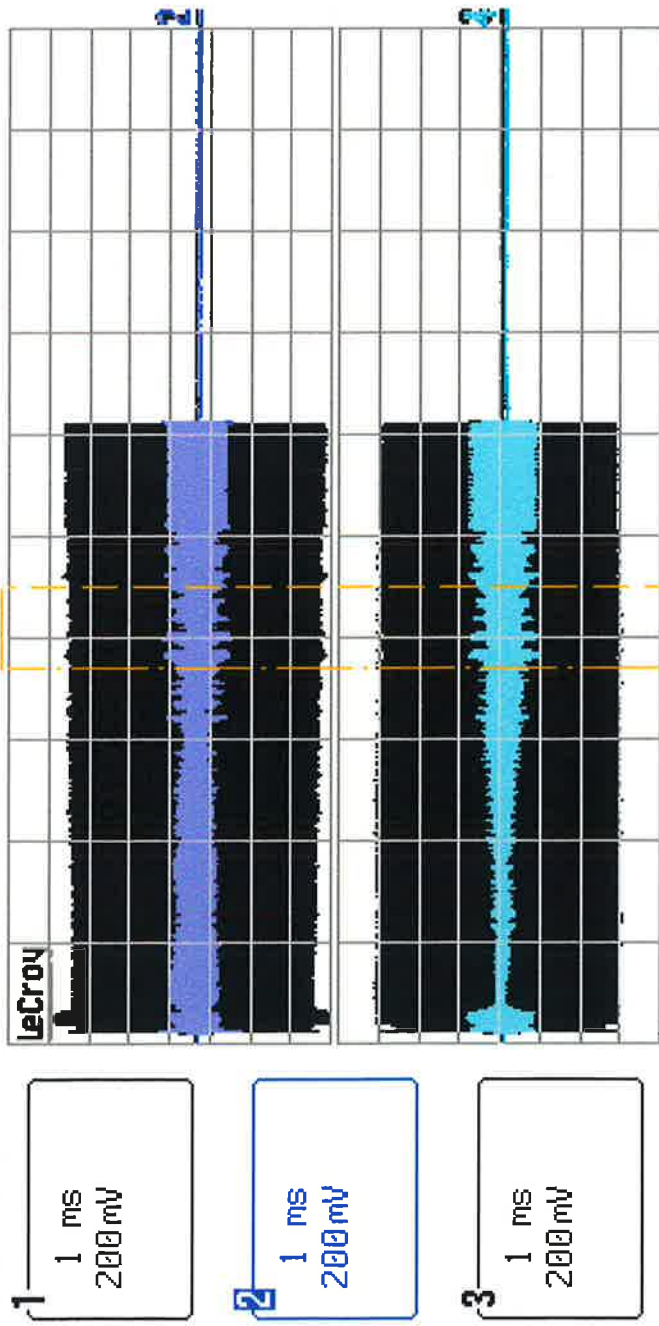
F3 script(C3,C2) 2.00/div 1.00 ms/div
 F4 <F3> 1.00/div 500 μs/div
 661e-3 269 #
 Δy 1.05585



C1	C2	C3	C4	Math	<C1>
5.00 mV/div	5.00 mV/div	5.00 mV/div	5.00 mV/div	4.00 mV/div	
13.00 mV ofst	8.00 mV ofst	8.00 mV ofst	8.00 mV ofst	1.00 mV/div	
				238 #	
↓	-2.54 mV	↓	2.77 mV	↑	-21406 mV
↑	-29.99 mV	↑	-17.27 mV	↑	-27.5949 mV
ΔV	-27.45 mV	ΔV	-20.04 mV	ΔV	-15.4443 mV

Timebase	-2.00 ms	Trigger	Edge	100
	1.00 ms/div	Normal	700 mV	
	2.00 MS	200 MS/s	Negative	
X1=	-1.523375 ms	$\Delta X=$	6.648055 ms	
X2=	5.024680 ms	1/ $\Delta X=$	150.4199 Hz	

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15:23:04



230 sweeps:					
rms(1)	average	low	high	sigma	
rms(2)	436.9 mV	432.1	441.7	1.9	
rms(3)	71.1 mV	57.3	81.5	4.8	
rms(4)	409.9 mV	405.9	412.9	1.2	
phase(1,3)	77.0 mV	64.7	91.5	5.3	
	0.07 k°	0.03	0.13	0.04	

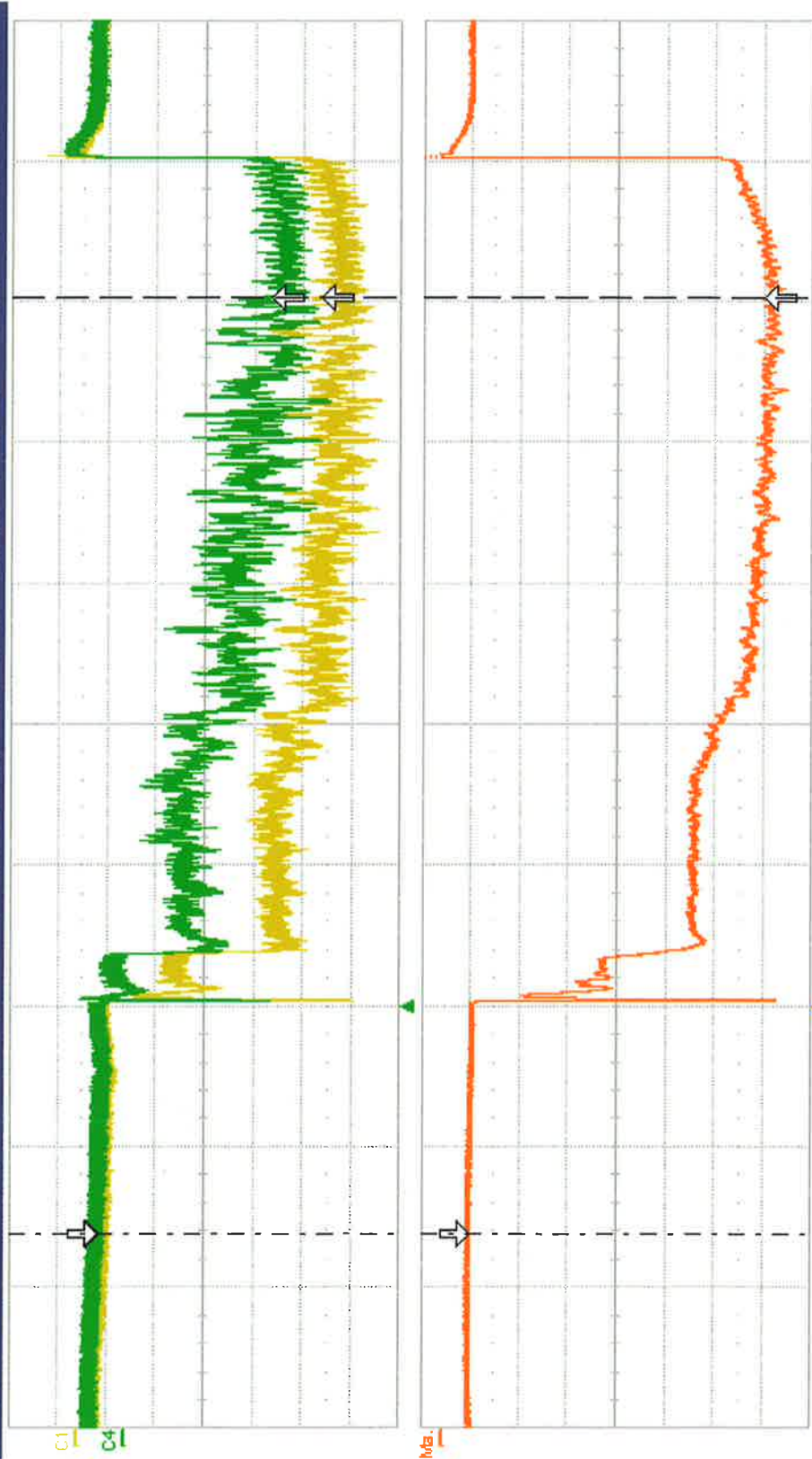
1 ms

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

10 MS/s

Ext10 DC 0.15 V 50Ω

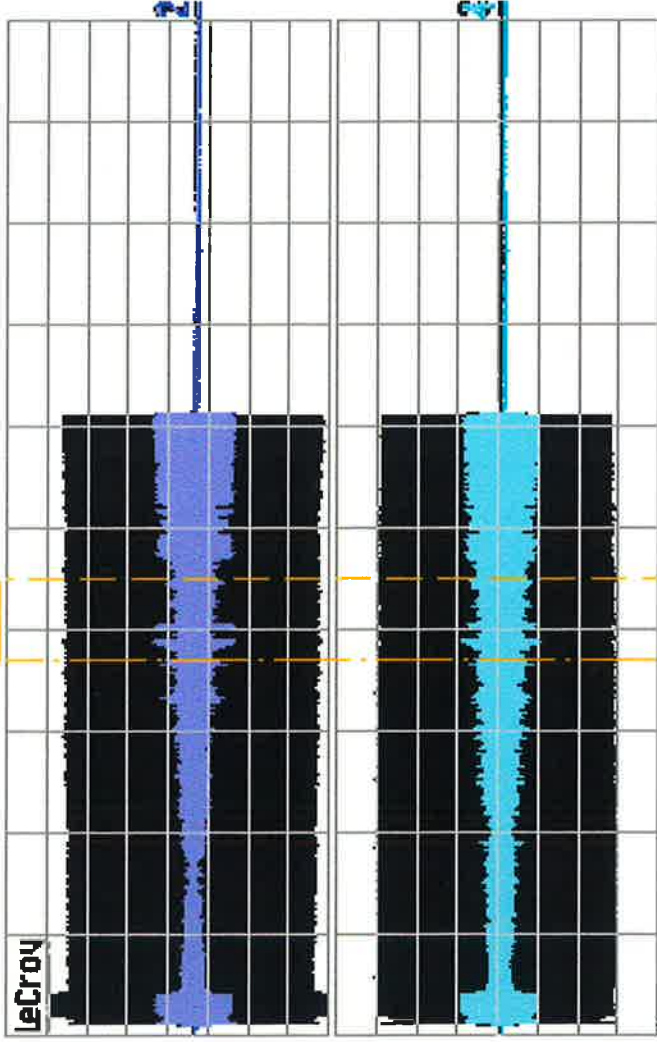
☐ NORMAL



C1	DC100	C4	DC100	Math	<C1>
5.00 mV/div	5.00 mV/div	5.00 mV/div	4.00 mV/div		
13.00 mV ofst	8.00 mV ofst	8.00 mV ofst	1.00 mV/div		
↓	-2.17 mV	↑	-2.0413 mV	22.4	
↑	-25.03 mV	↑	-26.4589 mV		
Δy	-22.86 mV	Δy	-24.4176 mV		

Timebase	-2.00 ms	Trigger	Ex710 D00
1.00 ms/div	Normal	Edge	700 mV
2.00 MS	200 MS/s		Negative
X1=	-1.623375 ms	ΔX=	6.648055 ms
X2=	5.024680 ms	1/ΔX=	150.4199 Hz

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15:24:05



1
1 ms
200 mV

2
1 ms
200 mV

3
1 ms
200 mV

4
1 ms
200 mV

17 sweeps:

	average	low	high	sigma
rms(1)	439.7mV	438.0	442.6	1.5
rms(2)	80.3mV	71.5	96.9	7.2
rms(3)	402.2mV	400.7	403.3	0.7
rms(4)	87.9mV	83.1	98.2	4.7
phase(1,3)	0.07 k°	0.03	0.12	0.04

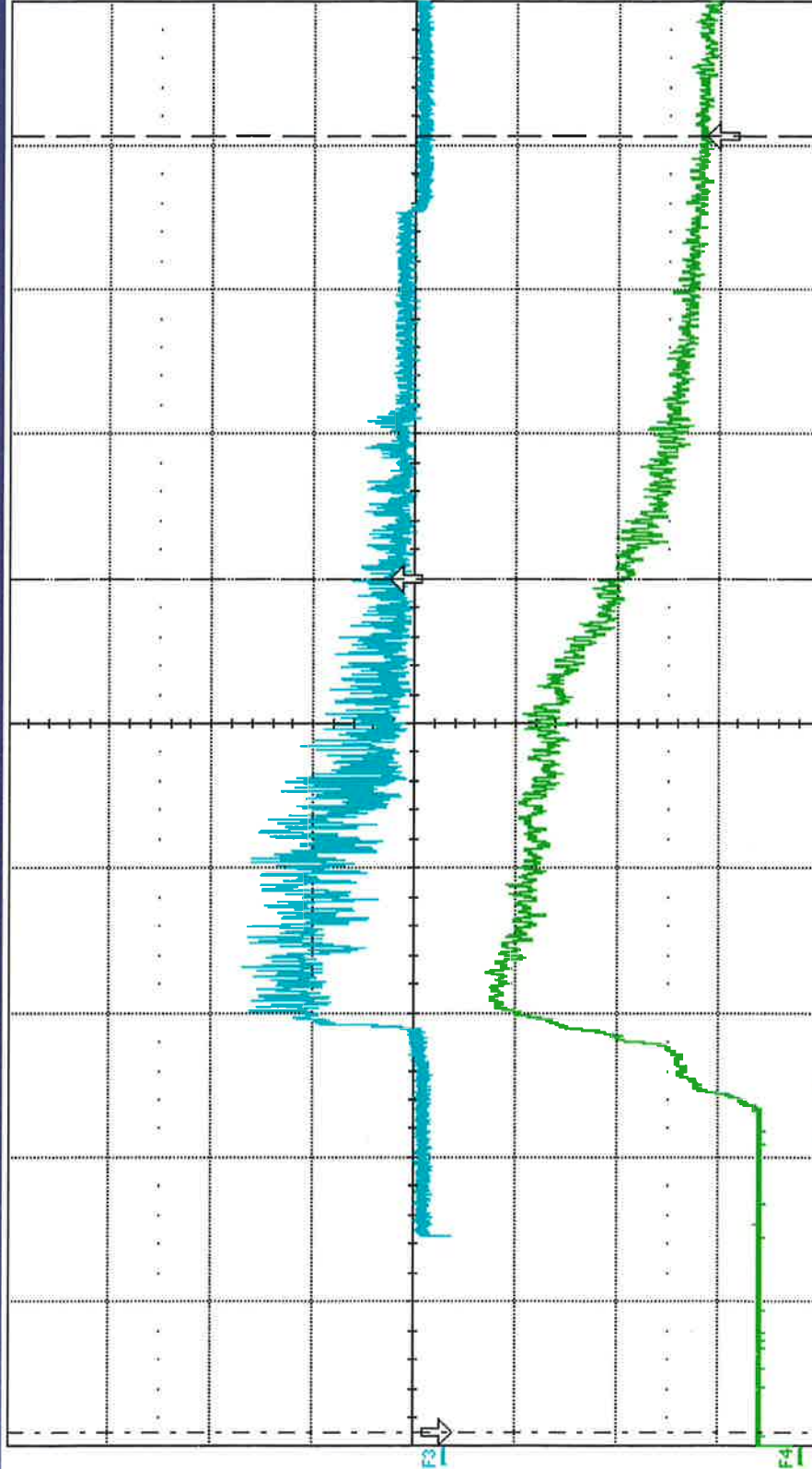
1 ms

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

10 MS/s

Ext10 DC 0.15 V 50Ω

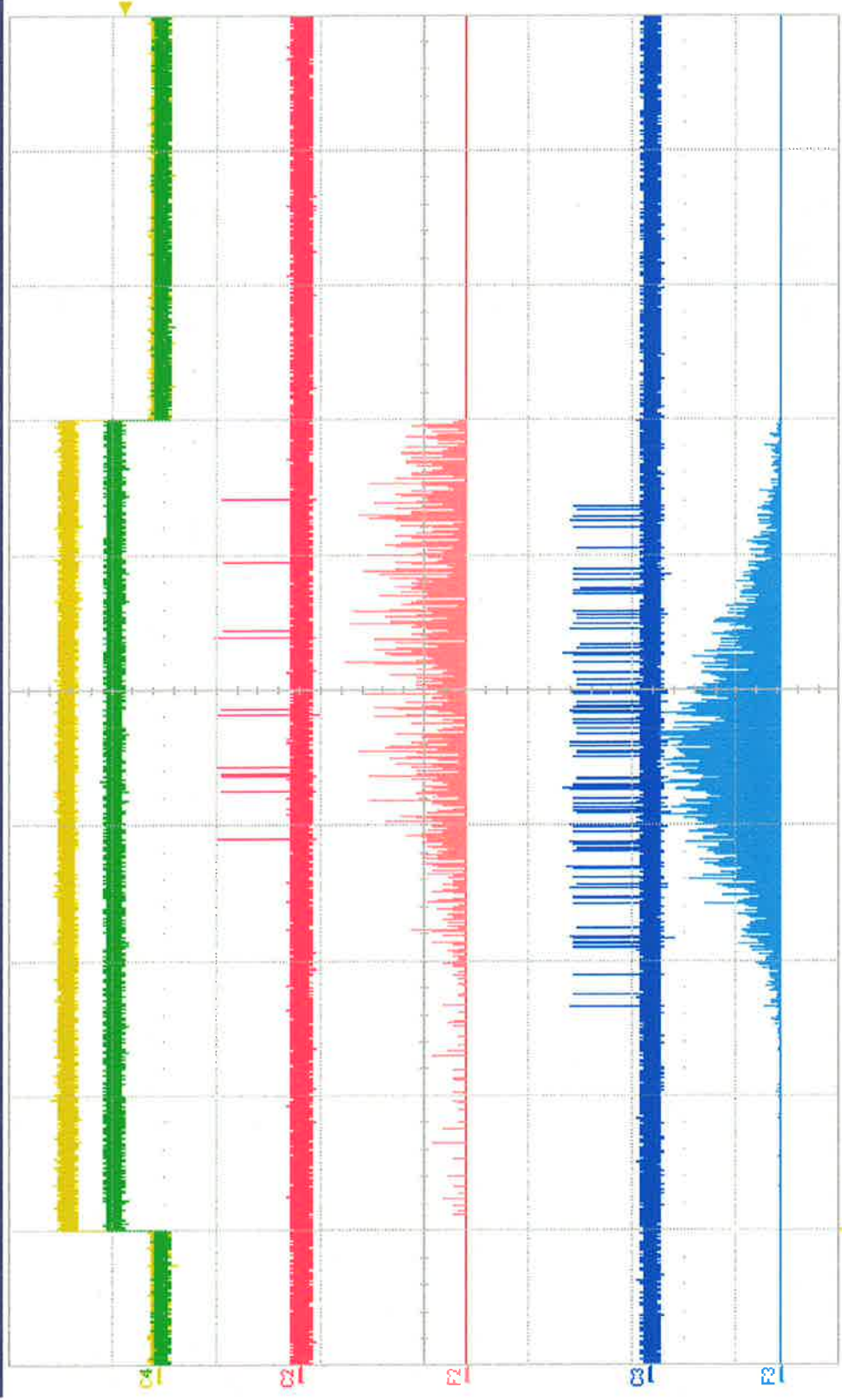
☐ NORMAL



F3 script03.C2
 2.00/div
 1.00 ms/div
 1.072
 Δy

F4
 1.00/div
 500 μs/div
 33 #
 956.99e-3
 Δy

Tbase -3.96 ms Trigger Ext10 DC
 WStream 1.00 ms Normal 30 mV
 50.0 kS 5.0 MS/s Edge Negative
 X1= -2.4054 ms ΔX= 5.8964 ms
 X2= 3.4910 ms 1/ΔX= 169.595 Hz

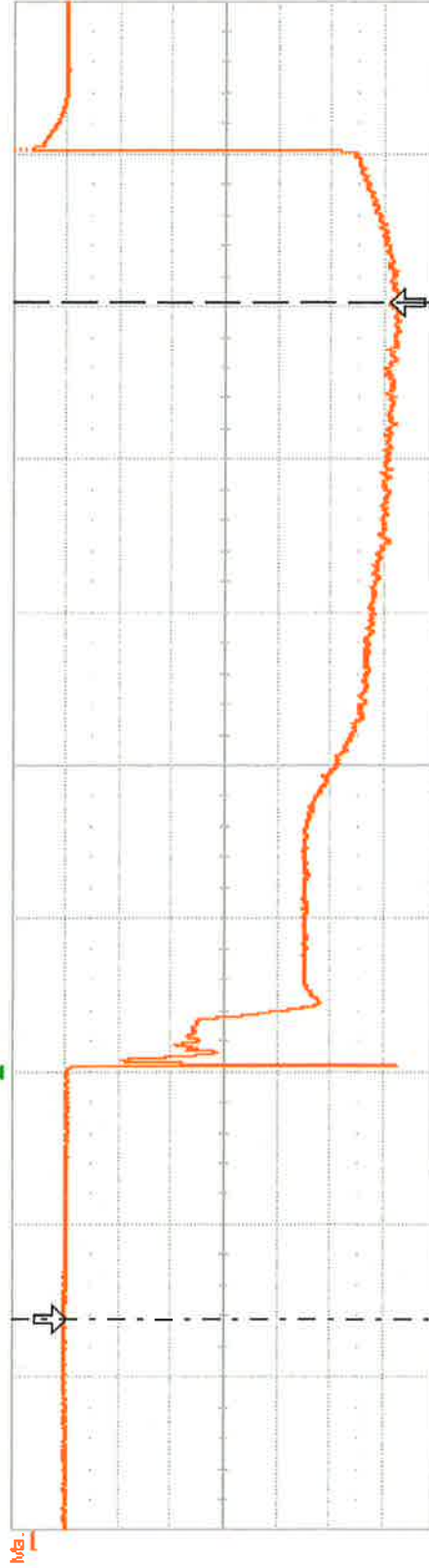
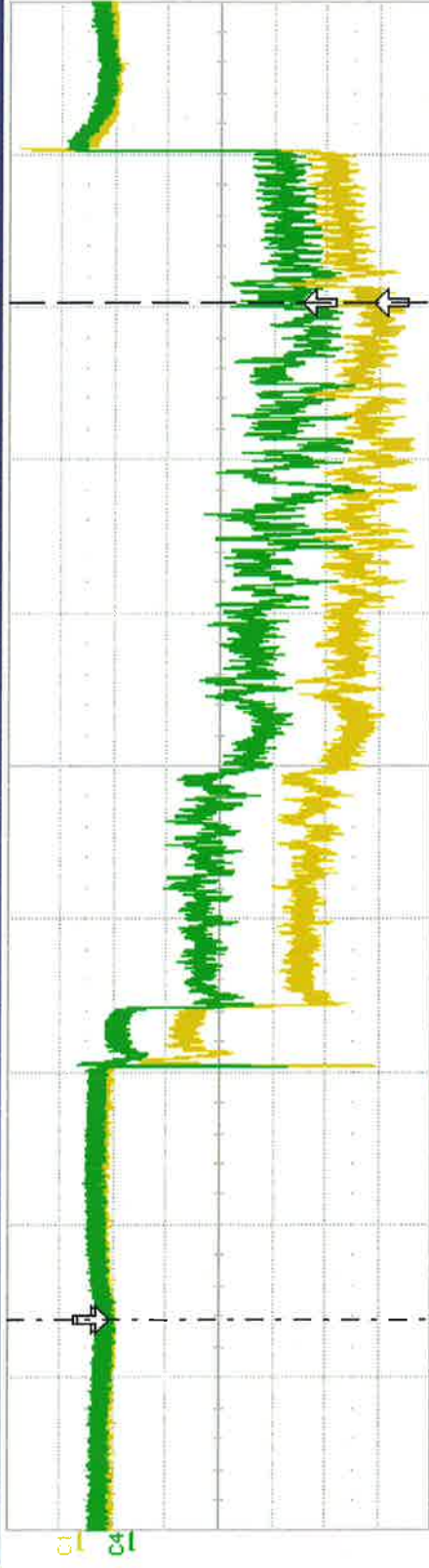


Tbase -4.00 ms
1.00 ms/div
500 kS
Trigger Normal
Edge
50 MS/s
C1 DC
1.65 V
Positive

C1 5.00 V 12.70 V
C2 5.00 V 5.95 V
C3 5.00 V -11.0 V
C4 10.0 V 25.30 V
F2 peris... 20.0 # 1.0 ms 2.94 k#
F3 peris... 200 # 1.0 ms 38.5 k#

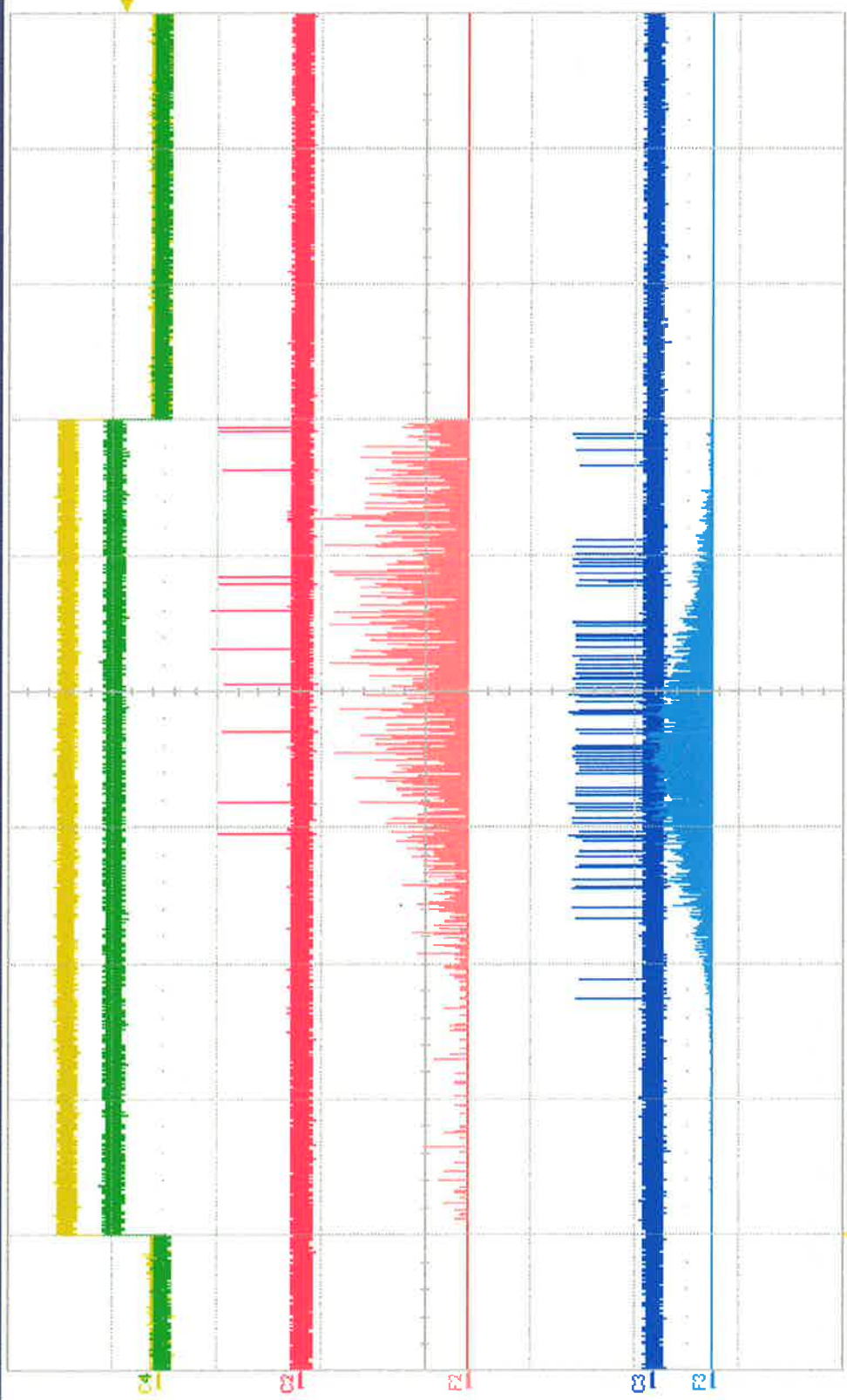
TELEDYNE LECROY

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C1	DC1M2	C4	DC1M1	Math	<C1>
5.00 mV/div	5.00 mV/div	5.00 mV/div	5.00 mV/div	4.00 mV/div	<C1>
13.00 mV ofst	8.00 mV ofst	8.00 mV ofst	8.00 mV ofst	1.00 mV/div	
↑	↑	↑	↑	↑	
-2.14 mV	-2.14 mV	2.56 mV	-2.2393 mV	100 #	
↓	↓	↓	↓	↓	
-27.71 mV	-27.71 mV	-15.92 mV	-26.8908 mV		
ΔV	ΔV	ΔV	ΔV	ΔV	
-25.57 mV	-25.57 mV	-18.48 mV	-24.6514 mV		

Timebase	-2.00 ms	Trigger	Edge	700 mV	Negative
1.00 ms/div	2.00 MS	Normal	Edge	700 mV	Negative
X1=	-1.623375 ms	ΔX=	6.648055 ms		
X2=	5.024680 ms	1/ΔX=	150.4199 Hz		

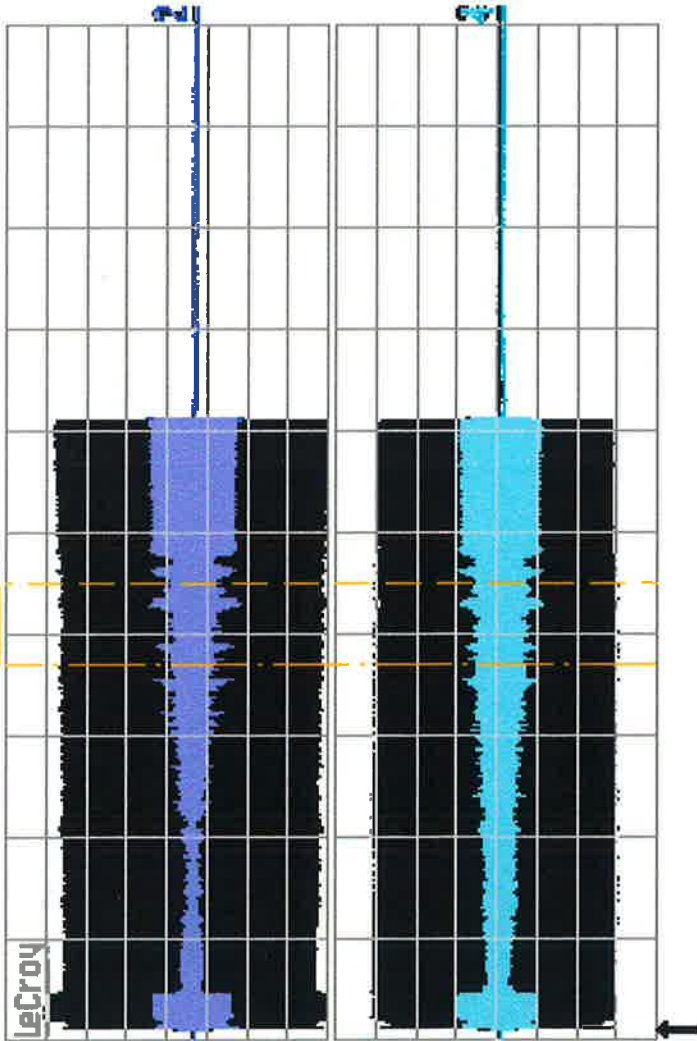


Tbase -4.00 ms
 1.00 ms/div
 500 kS
Trigger Normal
 Edge
 Positive
 1.05 V

C1 5.00 V 12.70 V
C2 5.00 V 5.95 V
C3 5.00 V -11.0 V
C4 10.0 V 25.30 V
F2 peris... 20.0 # 1.0 ms 4.20 k#
F3 peris... 500 # 1.0 ms 55.3 k#

TELEDYNE LECROY

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15:27:42



43 sweeps:					
	rms(1)	average	low	high	sigma
1	454.2mV	91.9mV	451.2	457.3	1.7
2	411.5mV	95.0mV	77.5	109.6	7.1
3	0.07 k°		409.4	413.8	1.1
4			85.4	107.0	5.0
phase(1,3)			0.02	0.12	0.04

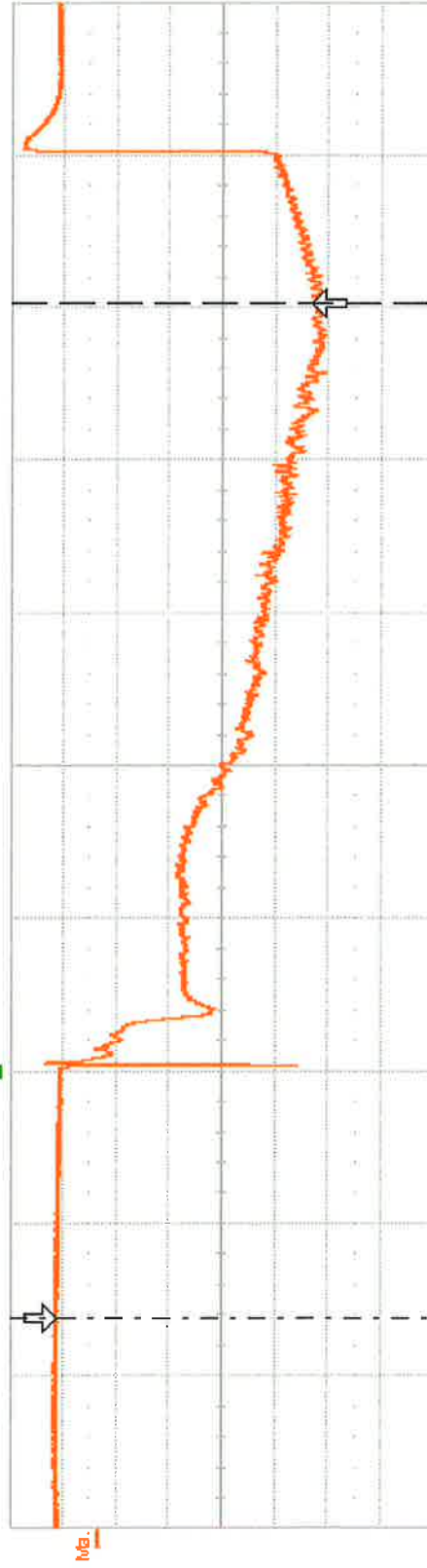
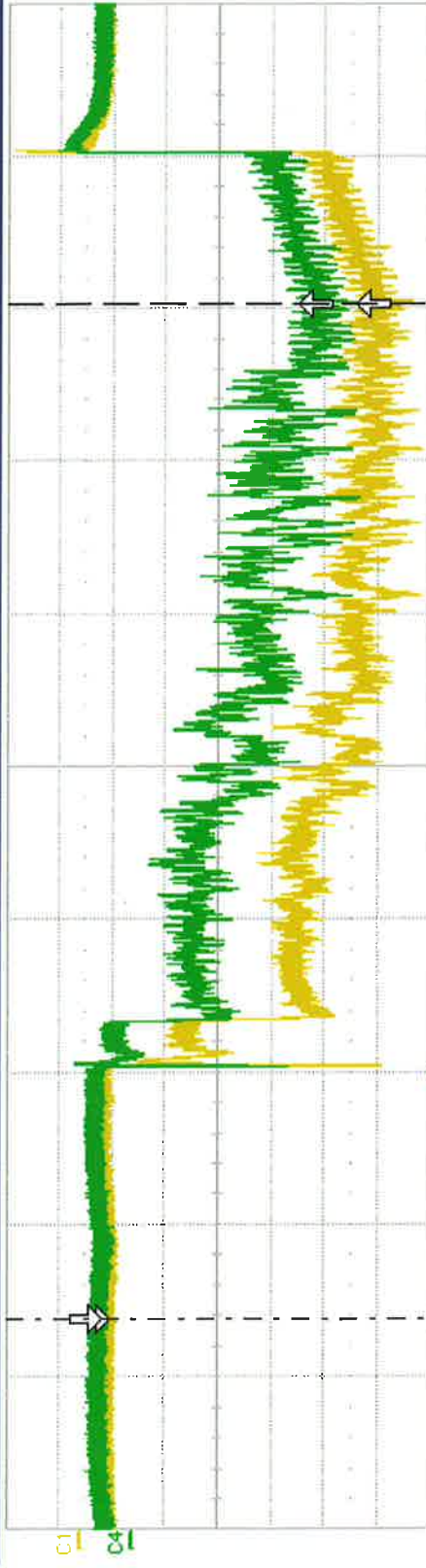
1 ms

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

10 MS/s

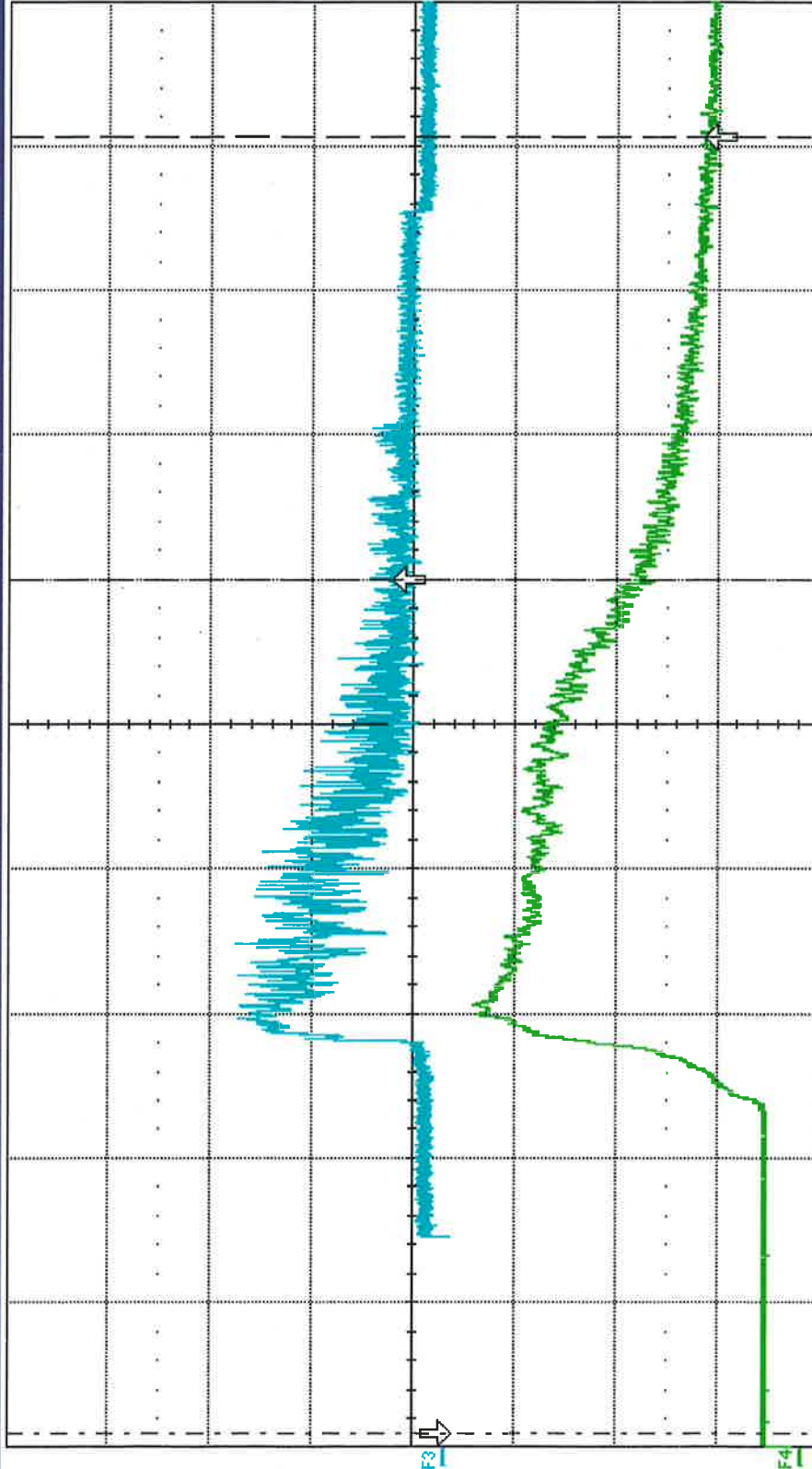
Ext10 DC 0.15 V 50Ω

☐ NORMAL



C1	DCIM3	C4	DCIM3	Math	<C4>
5.00 mV/div	5.00 mV/div	5.00 mV/div	5.00 mV/div	4.00 mV/div	4.00 mV/div
13.00 mV ofst	13.00 mV ofst	8.00 mV ofst	8.00 mV ofst	1.00 mV/div	1.00 mV/div
Δy	Δy	Δy	Δy	Δy	Δy
-2.64 mV	-2.64 mV	3.04 mV	3.04 mV	3.3217 mV	3.3217 mV
-26.23 mV	-26.23 mV	-15.66 mV	-15.66 mV	-16.2162 mV	-16.2162 mV
-23.59 mV	-23.59 mV	-18.70 mV	-18.70 mV	-19.5380 mV	-19.5380 mV

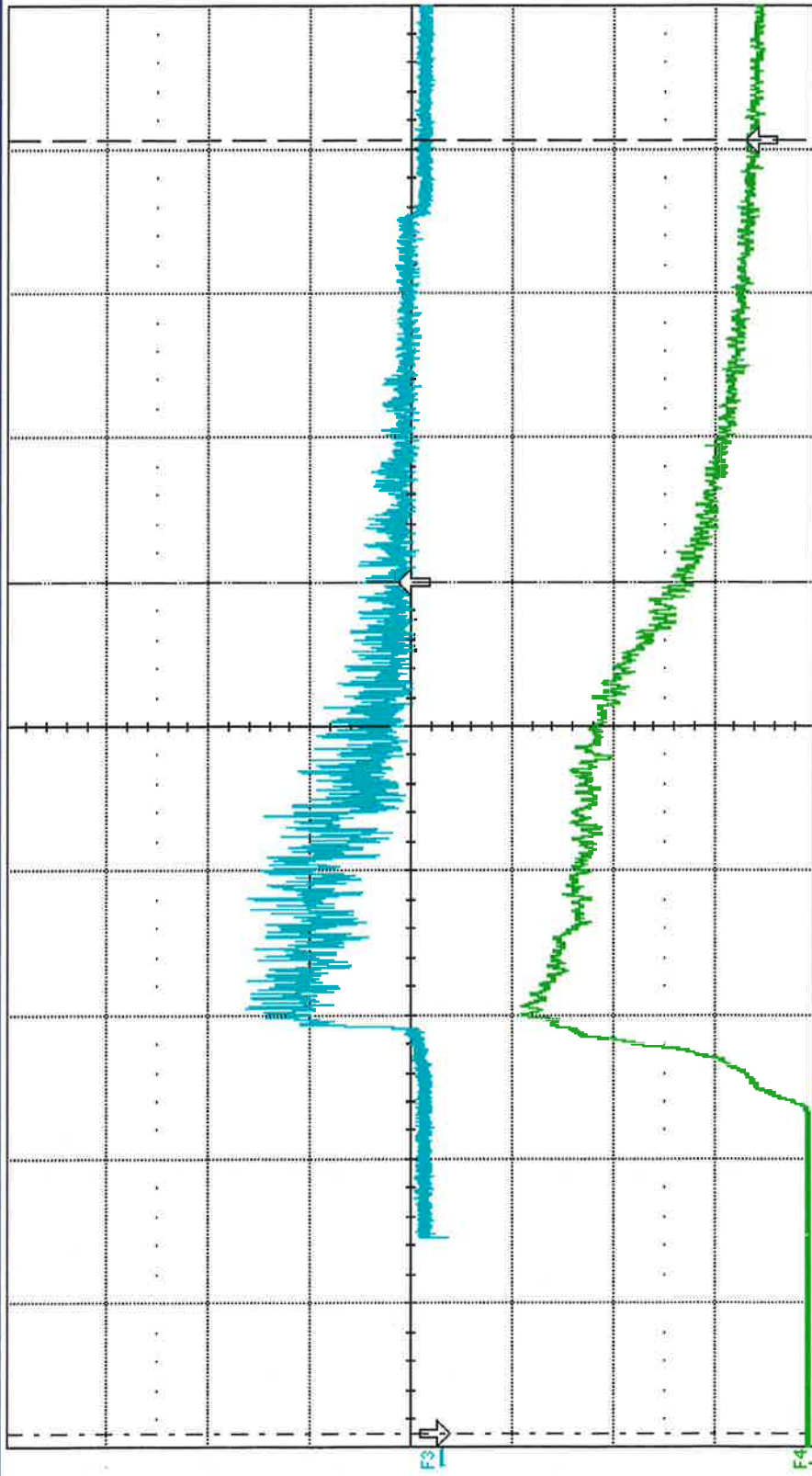
Timebase	-2.00 ms	Trigger	Edge	Ext 10	DC
1.00 ms/div	1.00 ms/div	Normal	Normal	700 mV	Negative
2.00 MS	2.00 MS	200 MS/s	Edge	Negative	Negative
X1=	-1.623375 ms	ΔX=	6.648055 ms		
X2=	5.024680 ms	1/ΔX=	150.4199 Hz		



F3 script(C3,C2)
2.00/div
1.00 ms/div
988e-3
Δy

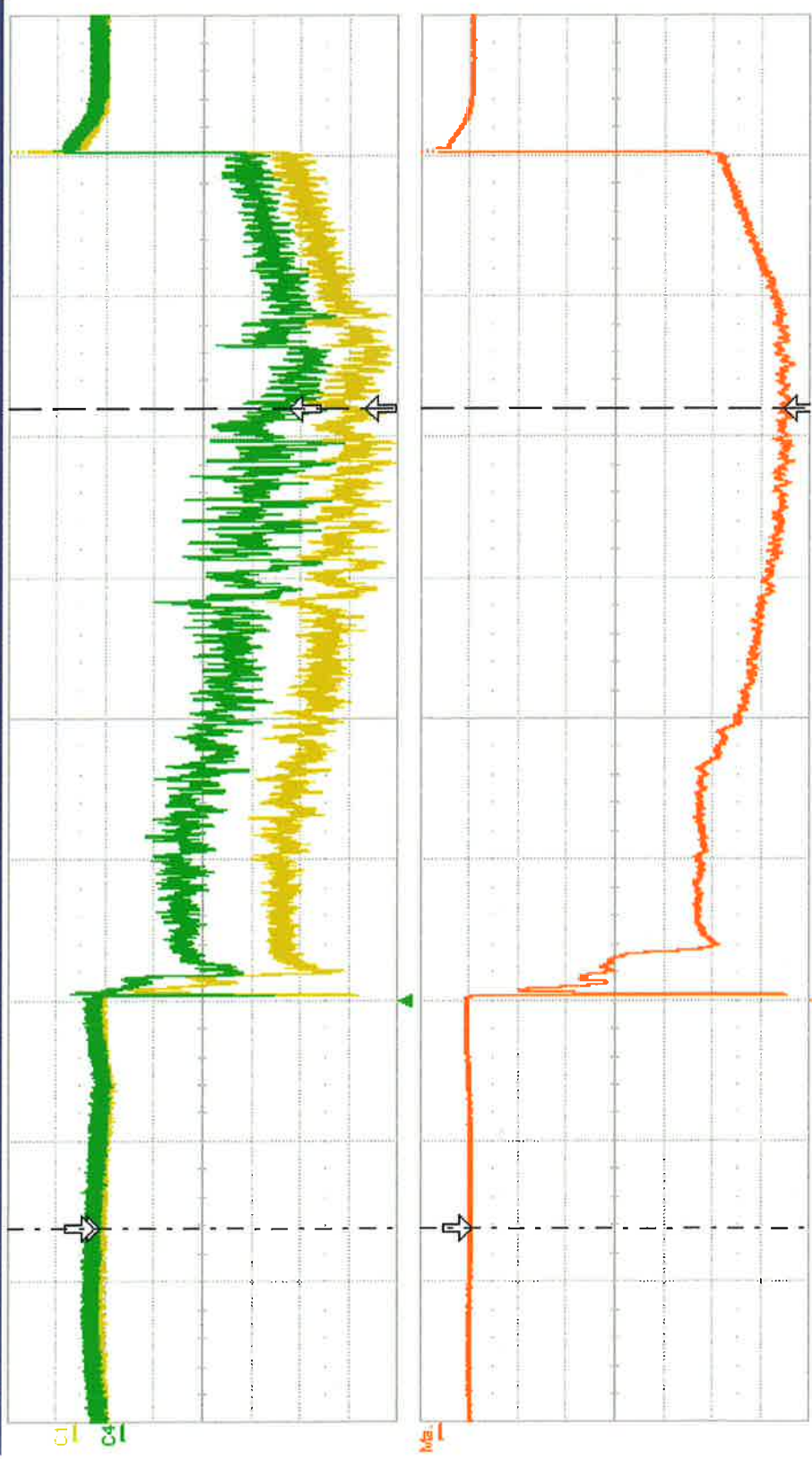
F4 <F3>
1.00/div
500 μs/div
45 #
974.81e-3
Δy

Tbase -3.96 ms Trigger Ext10 DC
WStream 1.00 ms Normal 30 mv
50.0 kS 5.0 MS/s Edge Negative
X1= -2.4054 ms ΔX= 5.8964 ms
X2= 3.4910 ms 1/ΔX= 169.595 Hz



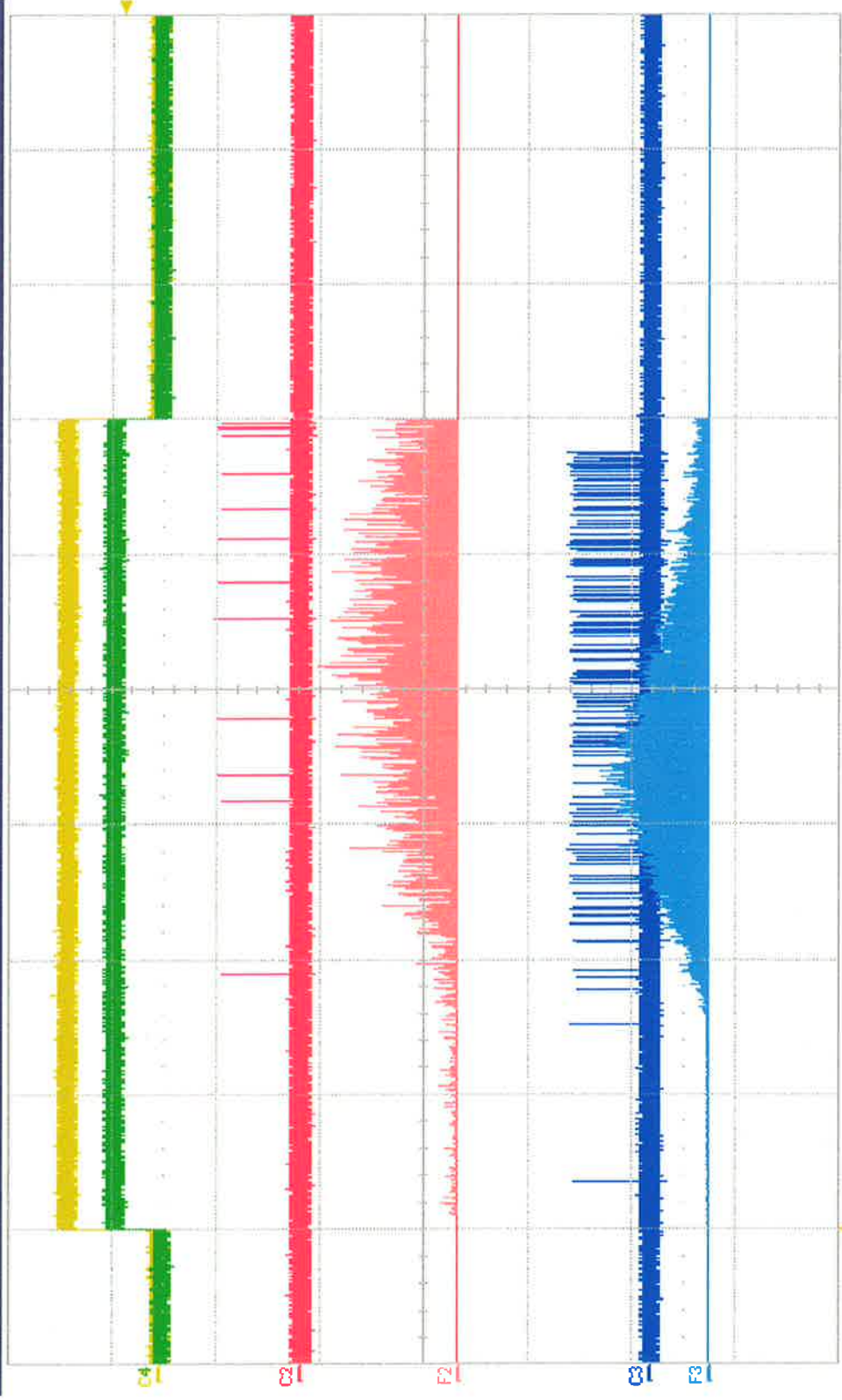
F3 script(C3,C2) F4 <F3>
 2.00/div 1.00/div
 1.00 ms/div 500 μ s/div
 848e-3 55 #
 993.77e-3
 1 1
 f f
 Δy Δy

Tbase -3.96 ms Trigger Ext10 DC
 WStream 1.00 ms Normal 30 mV
 50.0 kS 5.0 MS/s Edge Negative
 X1= -2.4054 ms ΔX = 5.8964 ms
 X2= 3.4910 ms 1/ ΔX = 169.595 Hz



C1	DCIM	5.00 mV/div	13.00 mV ofst	↓	-2.22 mV	↑	-29.73 mV	Δy	-27.51 mV
C4	DCIM	5.00 mV/div	8.00 mV ofst	↓	3.34 mV	↑	-16.98 mV	Δy	-20.31 mV
Math	<C1>	4.00 mV/div	1.00 mV ofst	↓	-2.3611 mV	↑	-26.2554 mV	Δy	-25.8944 mV

Timebase	-2.00 ms	1.00 ms/div	200 MS/s	2.00 MS
Trigger	Normal	Edge	700 mV	Negative
X1	-1.623375 ms	ΔX	5.825700 ms	
X2	4.202325 ms	1/ΔX	171.6532 Hz	

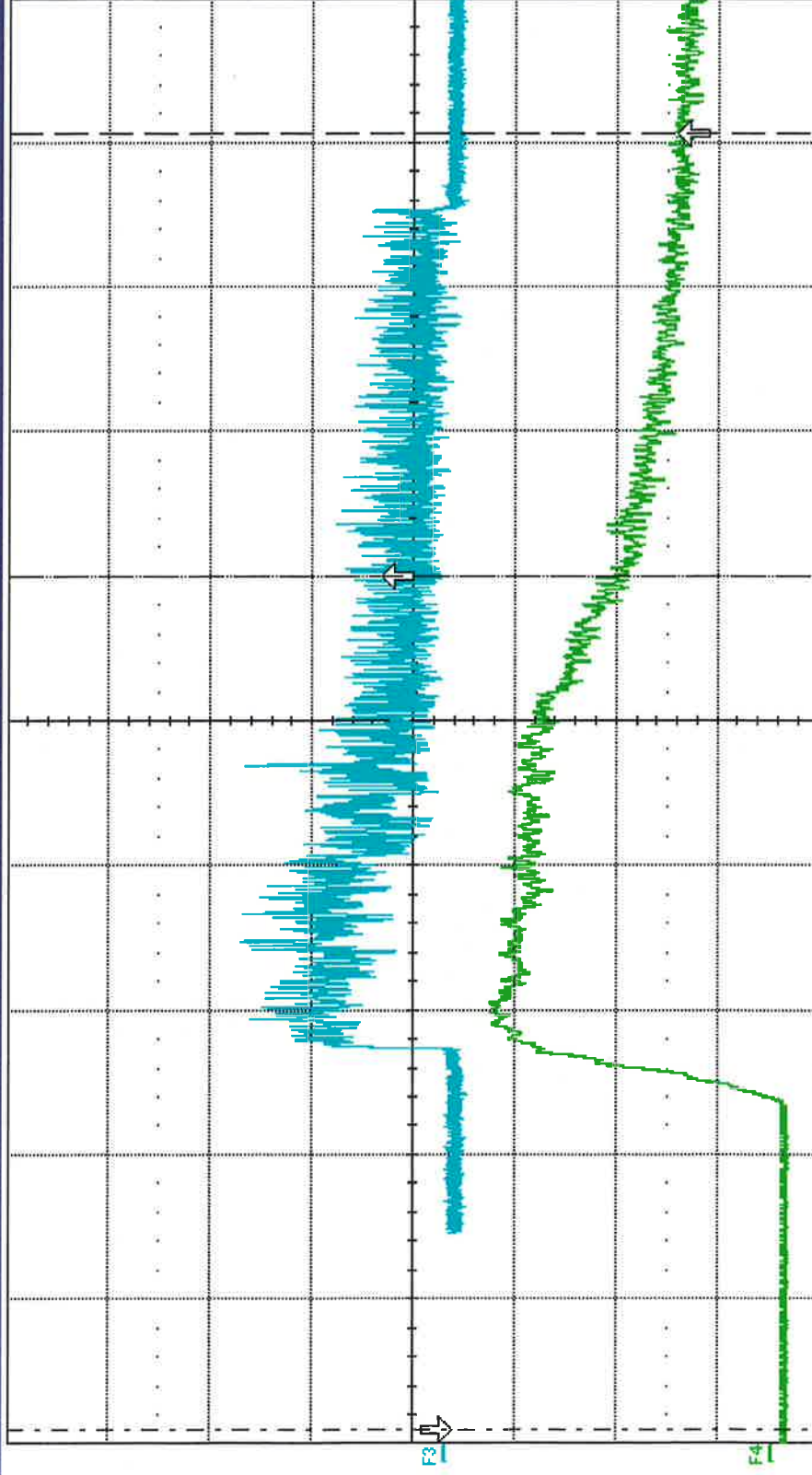


Tbase -4.00 ms
 1.00 ms/div
 500 kS
 Trigger Normal
 Edge Positive
 1.85 V
 50 MS/s

C1 5.00 V 12.70 V
 C2 5.00 V 5.95 V
 C3 5.00 V -11.0 V
 C4 10.0 V 25.30 V
 F2 peris... 50.0 # 1.0 ms 13.3 k#
 F3 peris... 1.00 k# 1.0 ms 202 k#

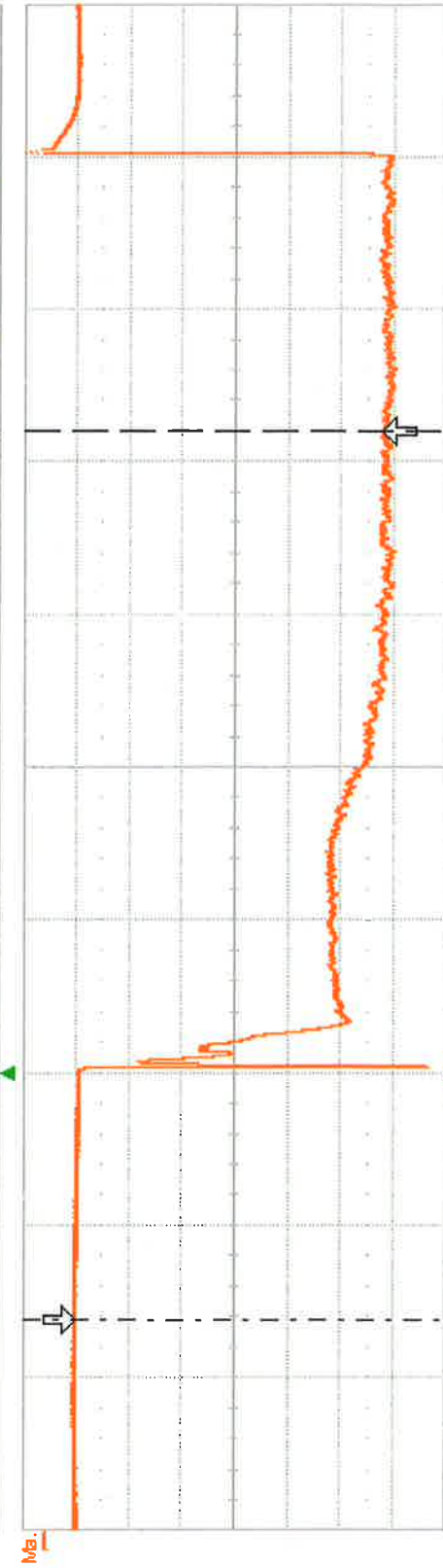
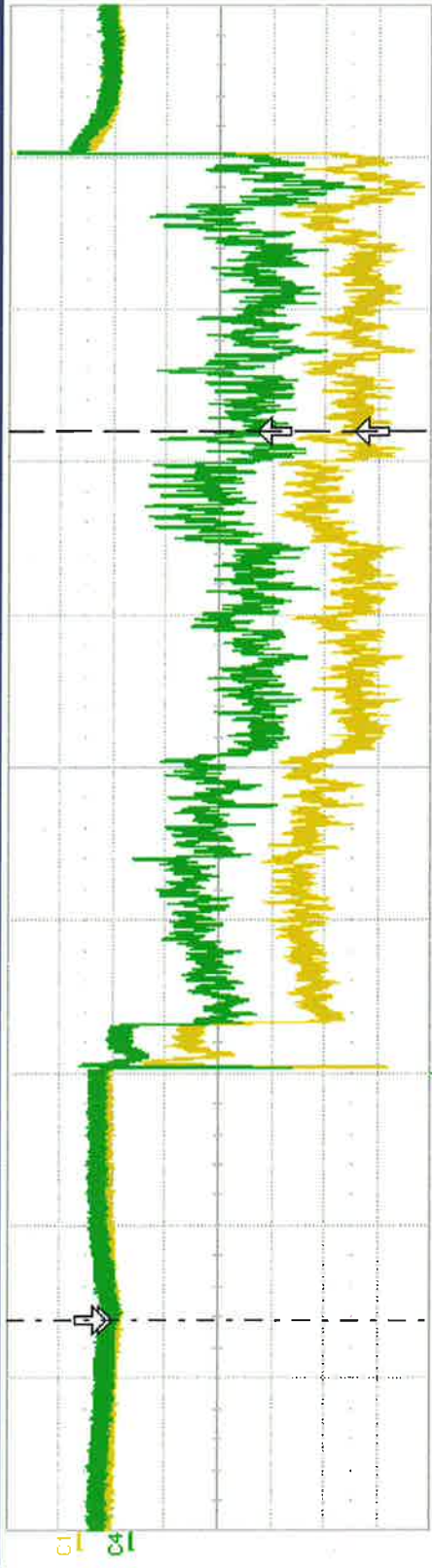
TELEDYNE LECROY

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F3 script(C3,C2) F4 <F3>
 2.00/div 1.00/div
 1.00 ms/div 500 μ s/div
 52 #
 921.35e-3
 1.226
 1.226
 Δy

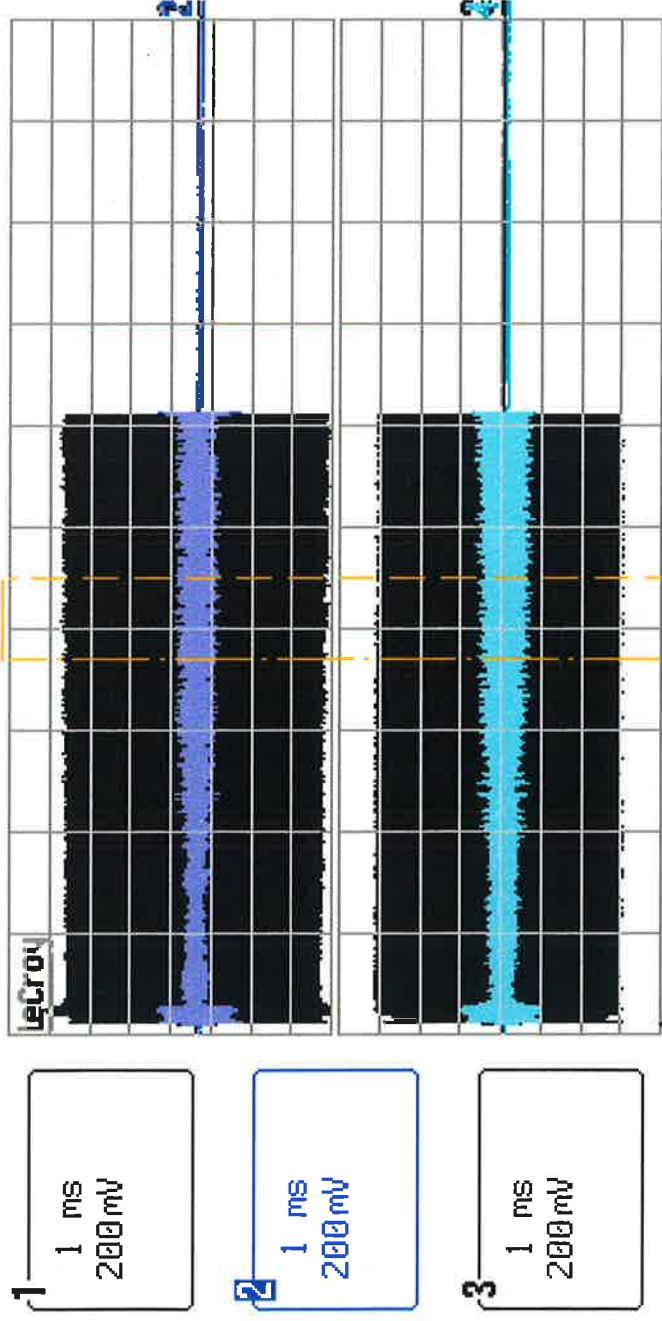
Thase -3.96 ms Trigger Ext10 DC
 WStream 1.00 ms Normal 30 mV
 50.0 kS 5.0 MS/s Edge Negative
 X1= -2.4054 ms ΔX = 5.8964 ms
 X2= 3.4910 ms 1/ ΔX = 169.595 Hz



C1	DCIM	C4	DCIM	Math	<C1>
5.00 mV/div	5.00 mV/div	5.00 mV/div	5.00 mV/div	4.00 mV/div	4.00 mV/div
13.00 mV/div	13.00 mV/div	8.00 mV/div	8.00 mV/div	1.00 mV/div	1.00 mV/div
2.88 mV	2.88 mV	2.63 mV	2.63 mV	-2.1406 mV	-2.1406 mV
-26.00 mV	-26.00 mV	-11.75 mV	-11.75 mV	-25.4607 mV	-25.4607 mV
Δy -23.12 mV	Δy -23.12 mV	Δy -14.37 mV	Δy -14.37 mV	Δy -23.3201 mV	Δy -23.3201 mV

Timebase	-2.00 ms	Trigger	Ext/10 DC
1.00 ms/div	1.00 ms/div	Normal	700 mV
2.00 MS	200 MS/s	Edge	Negative
X1=	-1.623375 ms	ΔX =	5.825700 ms
X2=	4.202325 ms	1/ ΔX =	171.6532 Hz

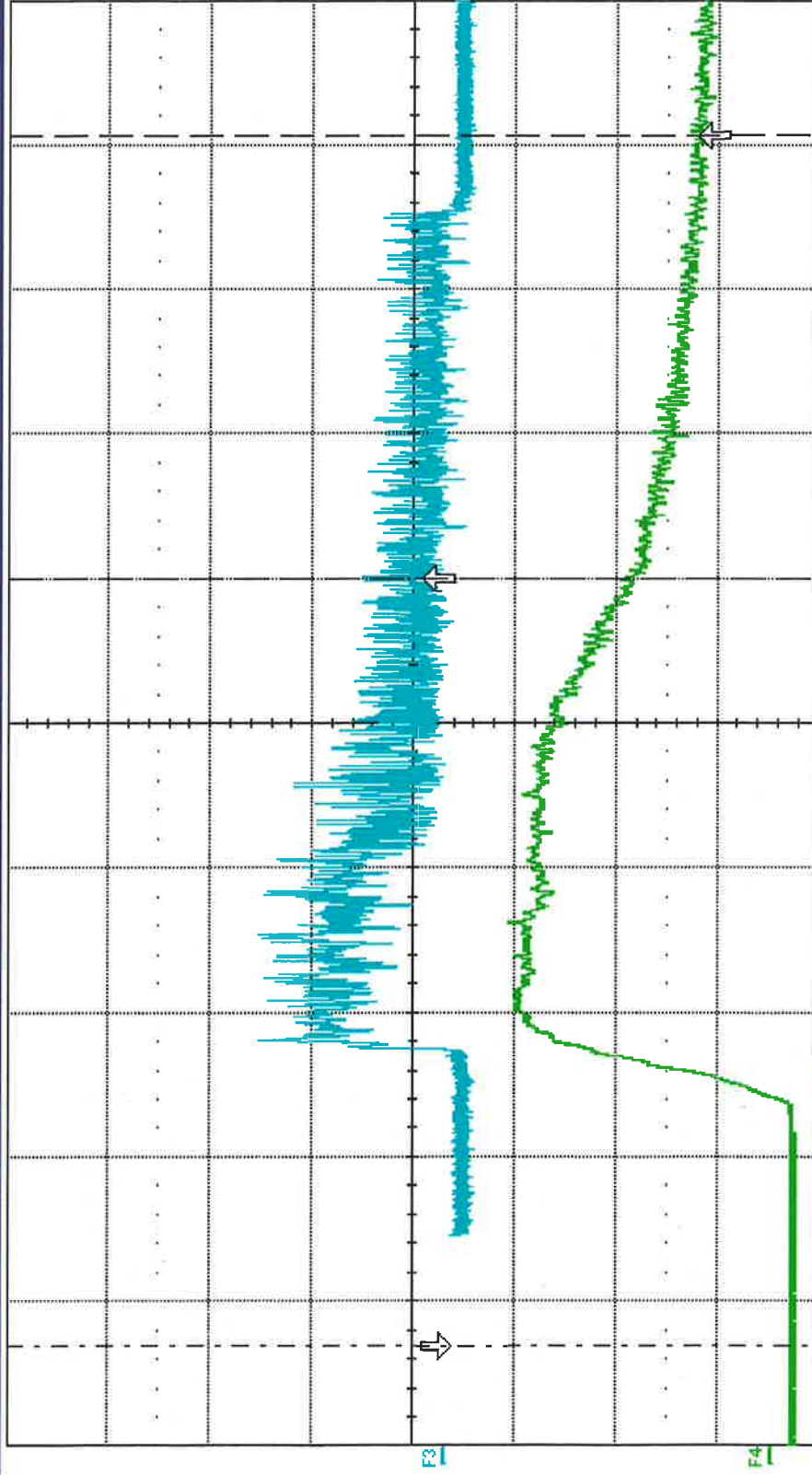
20-Oct-20
15:35:33



61 sweeps:					
	rms(1)	average	low	high	sigma
1	449.4mV	446.0	458.3	2.0	
2	45.9mV	41.0	52.2	2.7	
3	416.4mV	414.5	419.0	1.1	
4	65.8mV	57.2	77.2	4.2	
phase(1,3)	0.07 k°	0.03	0.13	0.04	

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

10 MS/s
NORMAL



F3 script(C3,C2) F4 <F3=

2.00/div 1.00/div

1.00 ms/div 600 μ s/div

415e-3 106 #

727.68e-3

Δy Δx

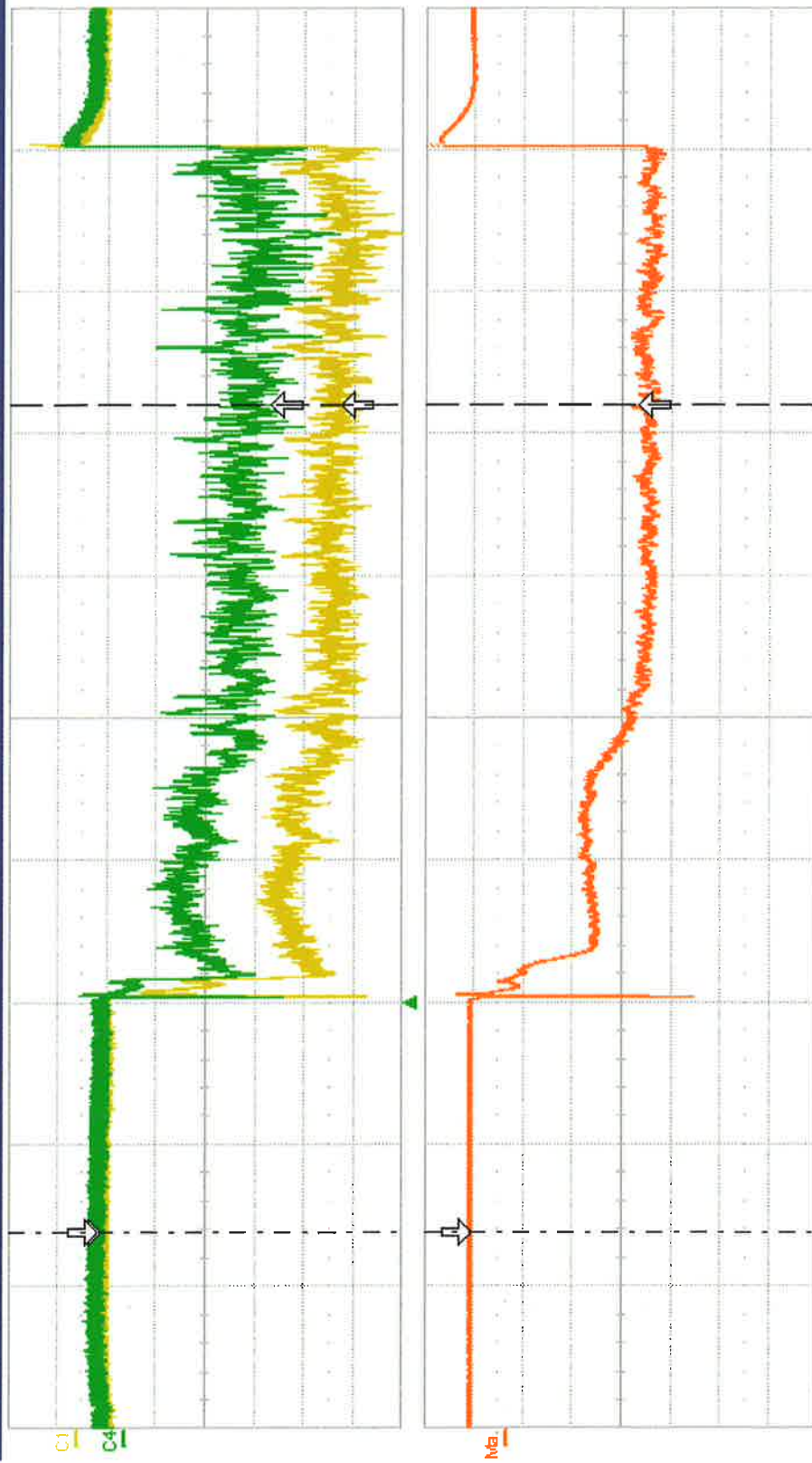
Tbase -3.96 ms Trigger Ext10 DC

WStream 1.00 ms Normal 30 mV

50.0 kS 5.0 MS/s Edge Negative

X1= -1.8134 ms ΔX = 5.3044 ms

X2= 3.4910 ms 1/ ΔX = 188.523 Hz



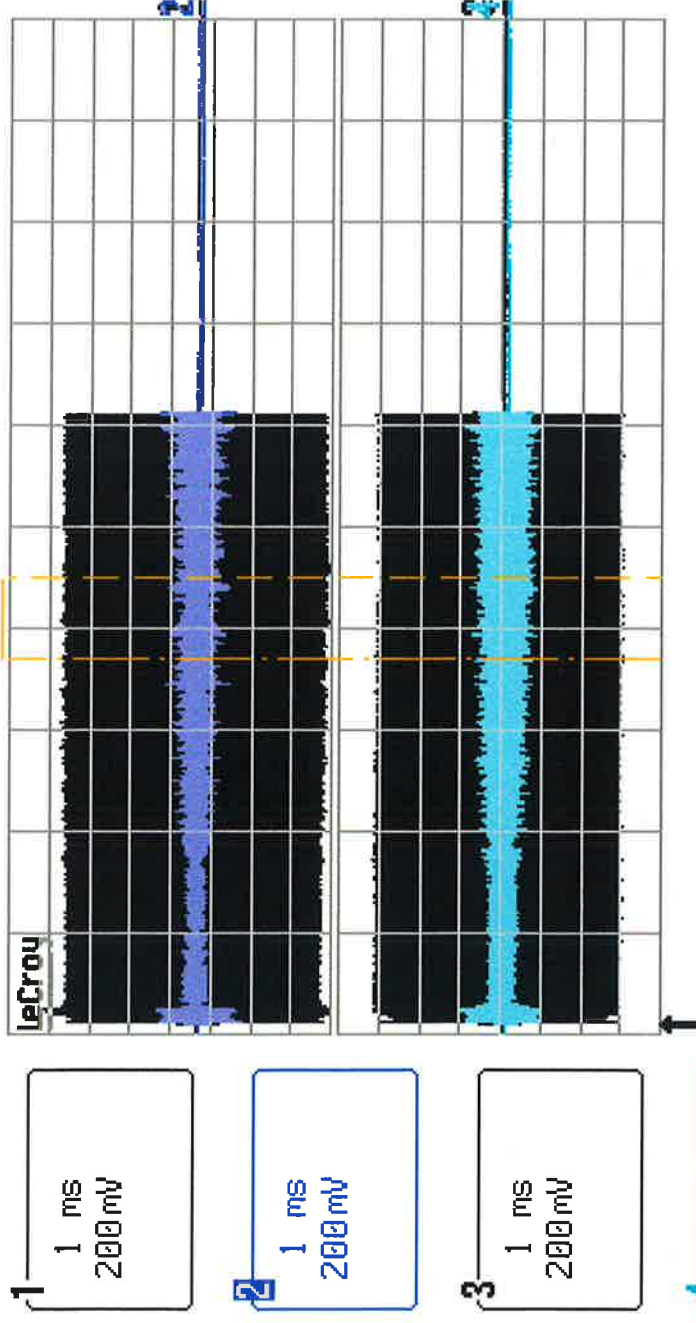
C1	C4	Math	<C4>
5.00 mV/div	5.00 mV/div	4.00 mV/div	4.00 mV/div
13.00 mV ofst	8.00 mV ofst	1.00 mV/div	1.00 mV/div
		41 #	41 #
↓ -2.31 mV	↑ 3.14 mV	↑ 3.0443 mV	↑ 3.0443 mV
↑ -26.86 mV	↑ -14.72 mV	↑ -10.7745 mV	↑ -10.7745 mV
Δy -24.55 mV	Δy -17.86 mV	Δy -15.8138 mV	Δy -15.8138 mV

Timebase	-2.00 ms	Trigger	Ext10 [OC]
	1.00 ms/div	Normal	700 mV
	2.00 MS	Edge	Negative
		X1=	-1.623375 ms
		X2=	4.202325 ms
		ΔX =	5.825700 ms
		$1/\Delta X$ =	171.6532 Hz

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LeCroy

20-Oct-20
15:36:43



117 sweeps:

	average	low	high	sigma
rms(1)	451.2 mV	446.0	458.3	2.6
rms(2)	49.0 mV	41.0	60.6	4.2
rms(3)	416.2 mV	412.7	419.0	1.2
rms(4)	69.7 mV	57.2	78.8	5.3
phase(1,3)	0.07 k°	0.03	0.13	0.04

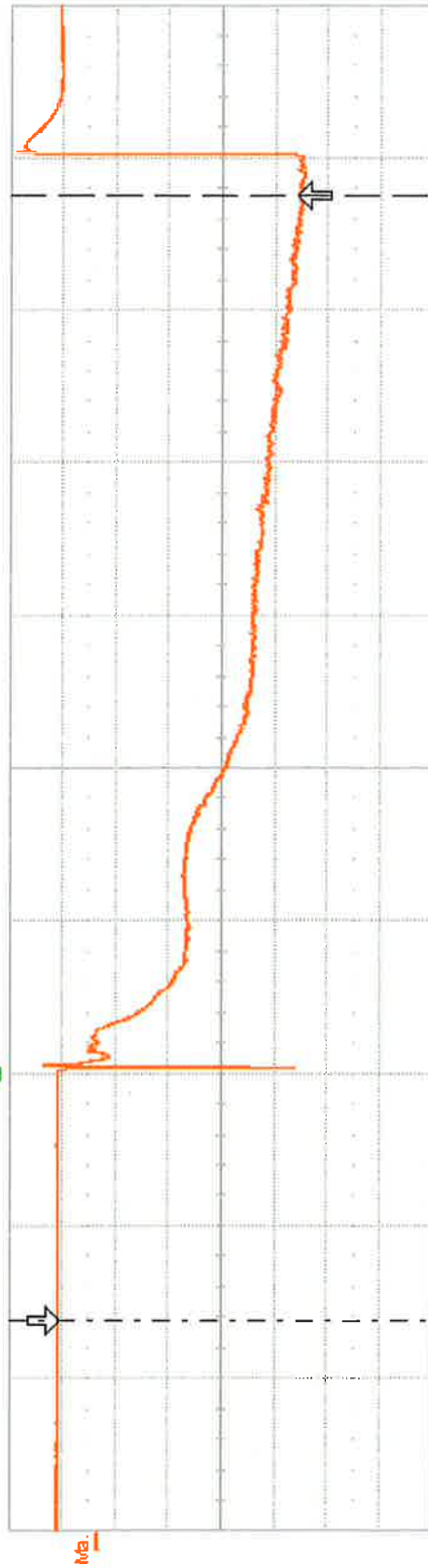
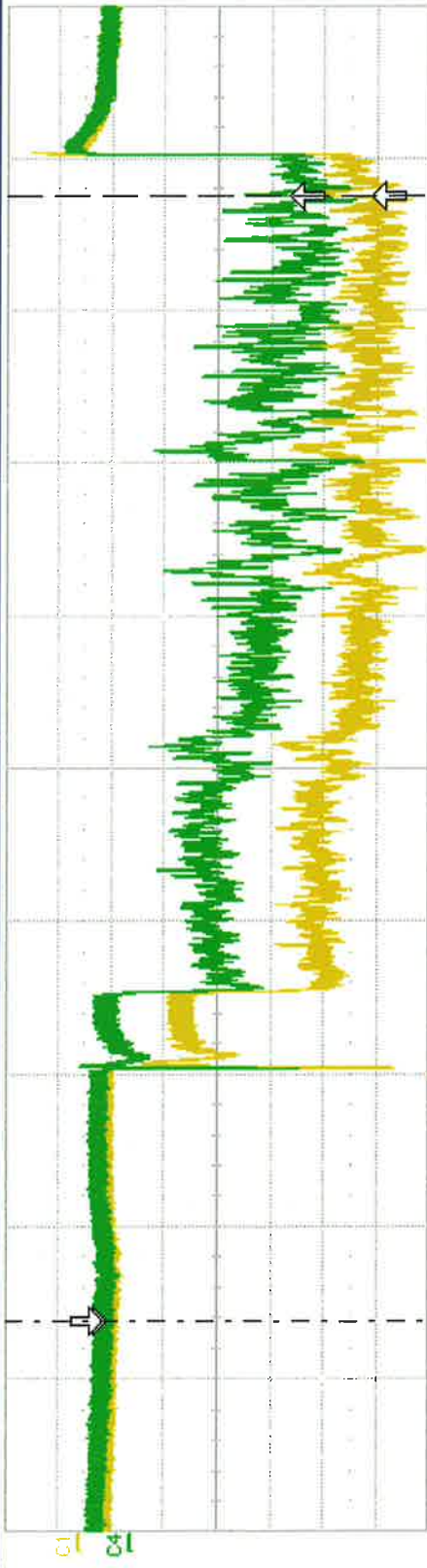
1 ms

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

10 MS/s

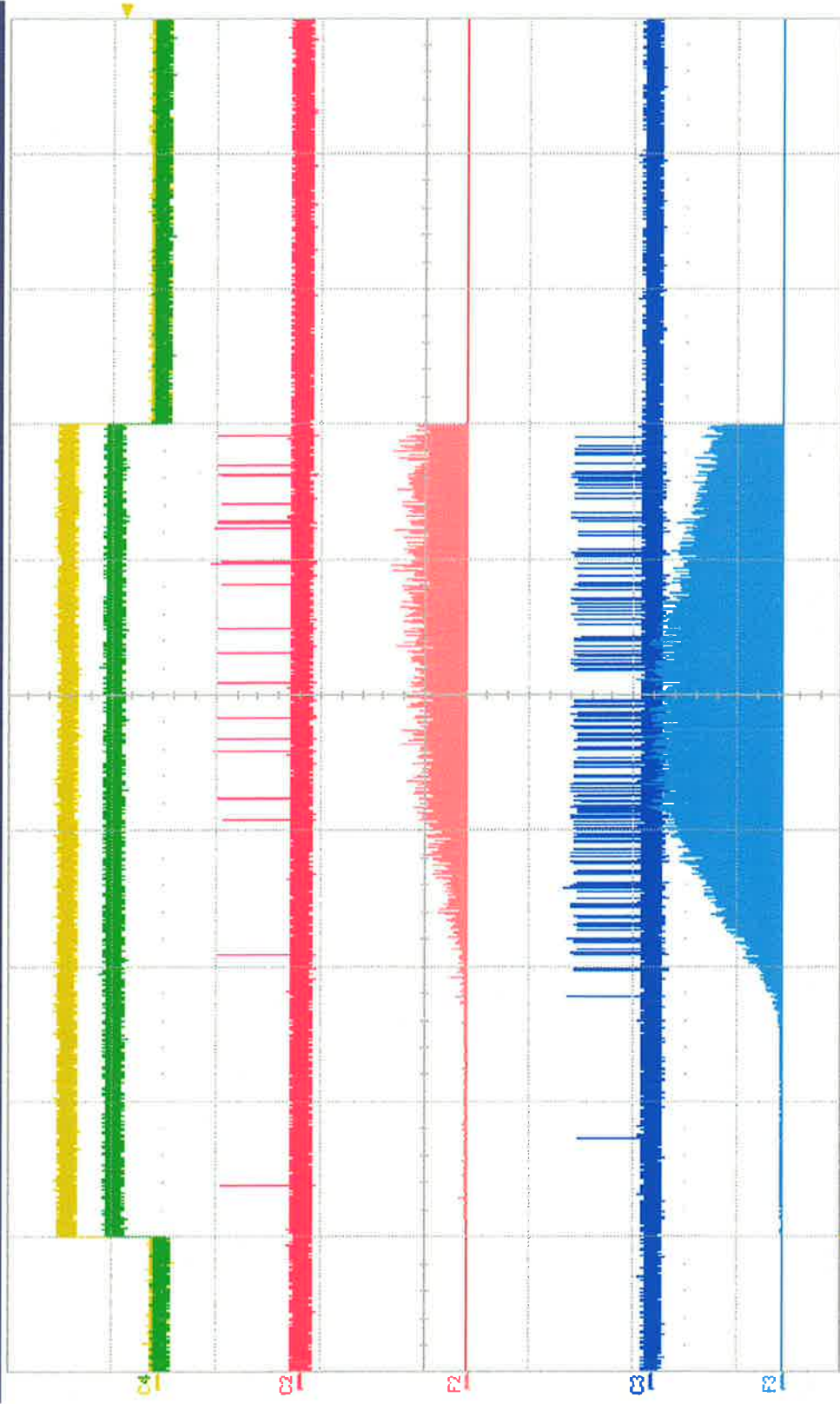
Ext10 DC 0.15 V 50Ω

☐ NORMAL



C1	DCIM	C4	DCIM	Math	<C4>
5.00 mV/div	5.00 mV/div	5.00 mV/div	5.00 mV/div	4.00 mV/div	4.00 mV/div
13.00 mV/div	13.00 mV/div	8.00 mV/div	8.00 mV/div	1.00 mV/div	1.00 mV/div
ΔV	ΔV	ΔV	ΔV	ΔV	ΔV
-2.53 mV	-2.53 mV	2.90 mV	2.90 mV	3.0474 mV	3.0474 mV
-27.57 mV	-27.57 mV	-14.99 mV	-14.99 mV	-15.1429 mV	-15.1429 mV
-25.04 mV	-25.04 mV	-17.89 mV	-17.89 mV	-18.1908 mV	-18.1908 mV

Timebase	-2.00 ms	Trigger	Ex10 100
1.00 ms/div	1.00 ms/div	Normal	700 mV
2.00 MS	200 MS/s	Edge	Negative
X1=	-1.623375 ms	ΔX=	7.369430 ms
X2=	5.746055 ms	1/ΔX=	135.6957 Hz

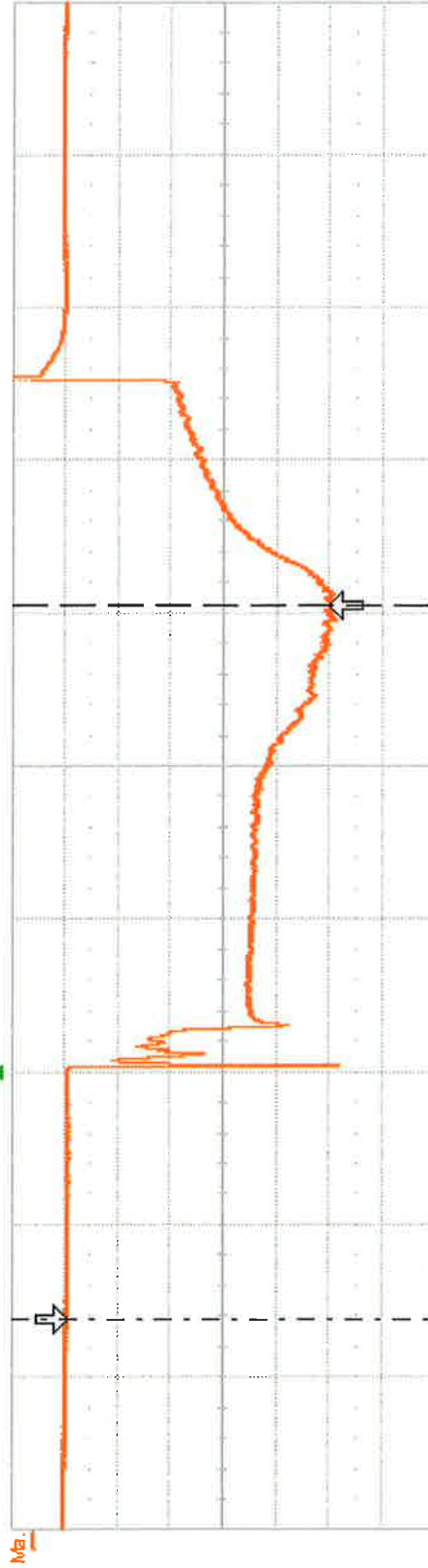
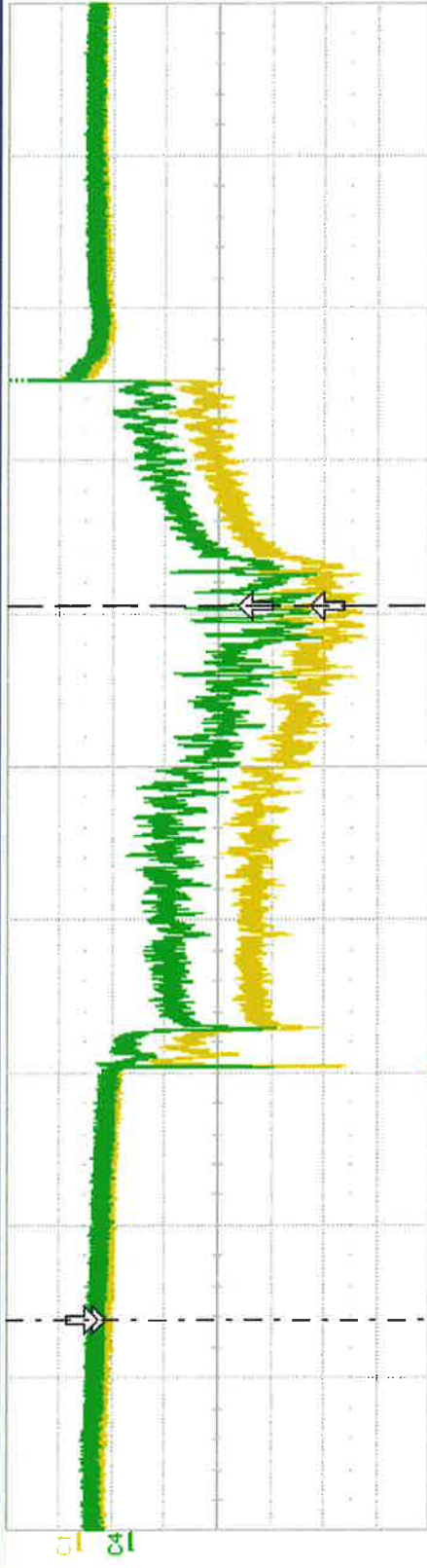


Tbase -4.00 ms Trigger C1 DC
1.00 ms/div Normal 1.65 V
500 kS 50 mS/s Edge Positive

C1 D1 5.00 V 12.70 V
C2 D2 5.00 V 5.96 V
C3 D3 5.00 V -11.0 V
C4 D4 10.0 V 25.30 V
F2 peris... 200 # 1.0 ms 35.0 k#
F3 peris... 2.00 k# 1.0 ms 770 k#

TELEDYNE LECROY

Waiting for Trigger 10/20/2020 3:46:48 PM

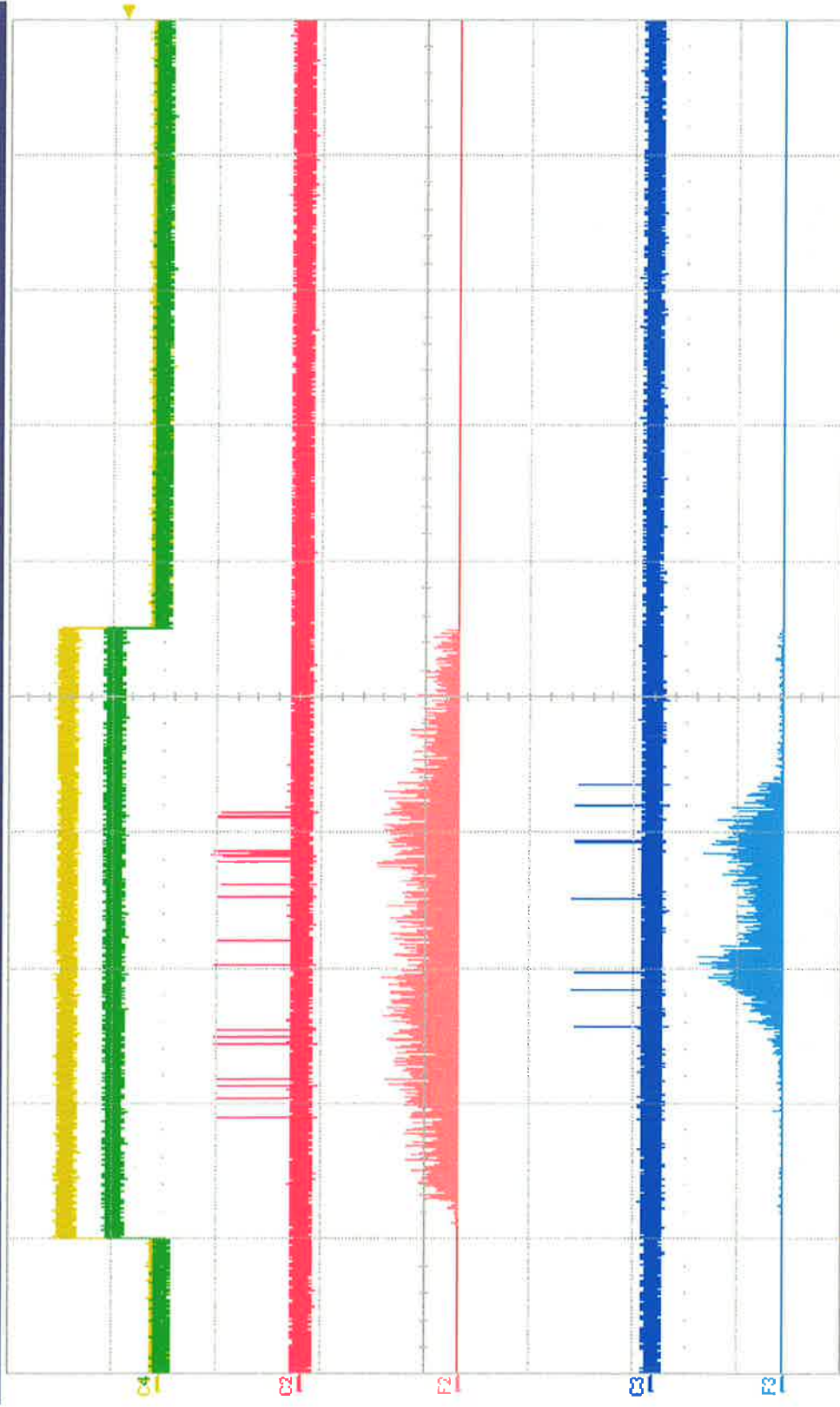


Timebase -2.00 ms
1.00 ms/div
2.00 MS
Trigger Est10 00
Normal
Edge
700 mV
Negative
X1= -1.623375 ms
X2= 3.051525 ms
 $\Delta X= 4.674900$ ms
 $1/\Delta X= 213.9083$ Hz

C1 5.00 mV/div
13.00 mV ofst
-2.22 mV
-21.91 mV
 $\Delta Y= -19.69$ mV

C4 5.00 mV/div
8.00 mV ofst
3.41 mV
-10.03 mV
 $\Delta Y= -13.44$ mV

Math <C1>
4.00 mV/div
1.00 ms/div
81 #
-2.3502 mV
-22.3091 mV
 $\Delta Y= -19.9589$ mV



Tbase -4.00 ms
 1.00 ms/div
 500 kS
Trigger Normal
 Edge
 Positive
C1 DC

F3 peris...
 200 #
 1.0 ms
 15.5 k#

F2 peris...
 100 #
 1.0 ms
 17.1 k#

C4
 10.0 V
 25.30 V

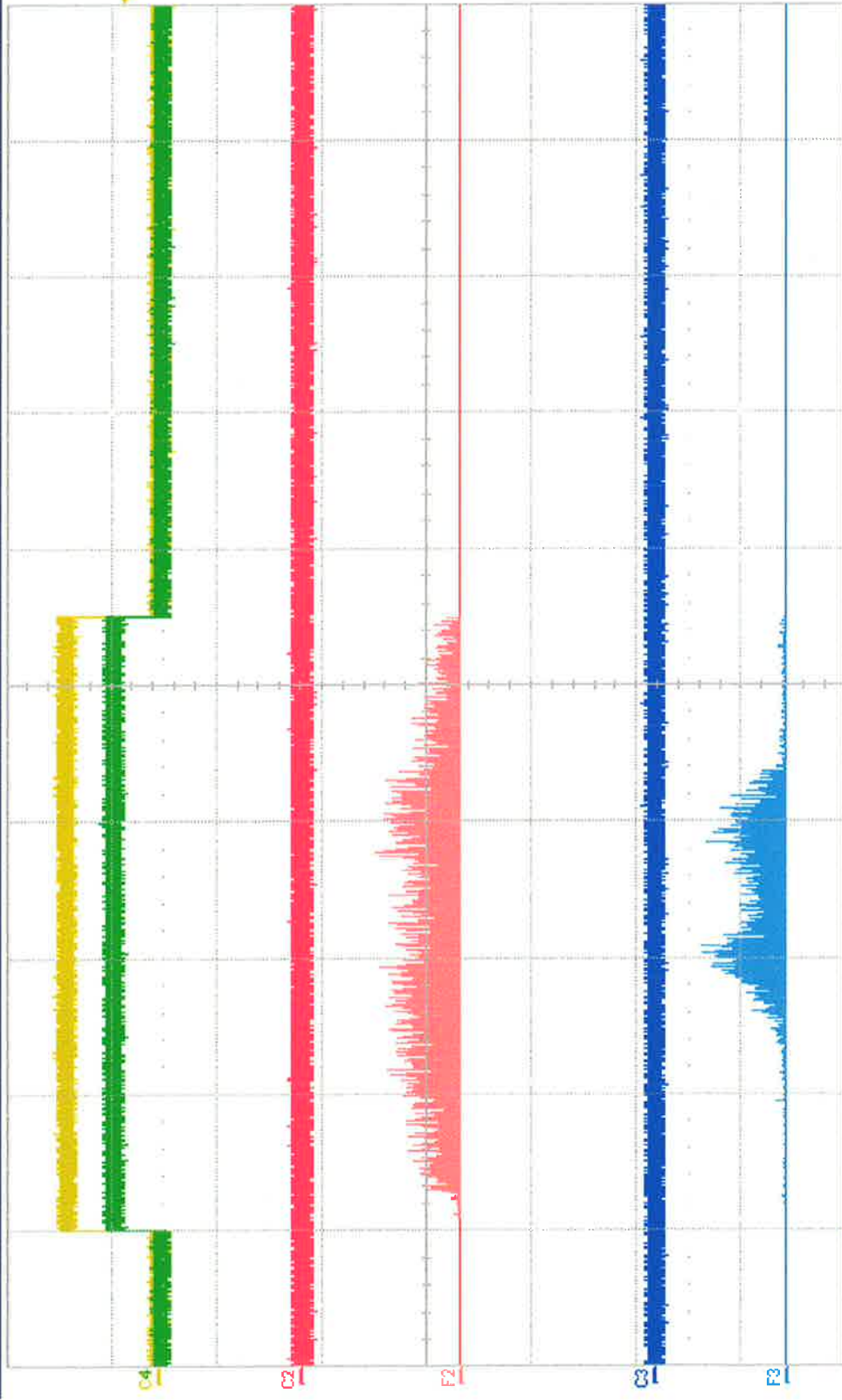
C3
 5.00 V
 -11.0 V

C2
 5.00 V
 6.95 V

C1
 5.00 V
 12.70 V

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Tbase -4.00 ms
 1.00 ms/div
 500 kS
Trigger Normal
 1.85 V
 Edge
 Positive

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 peris...	100 #	1.0 ms	17.3 k#
F3 peris...	200 #	1.0 ms	15.7 k#

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