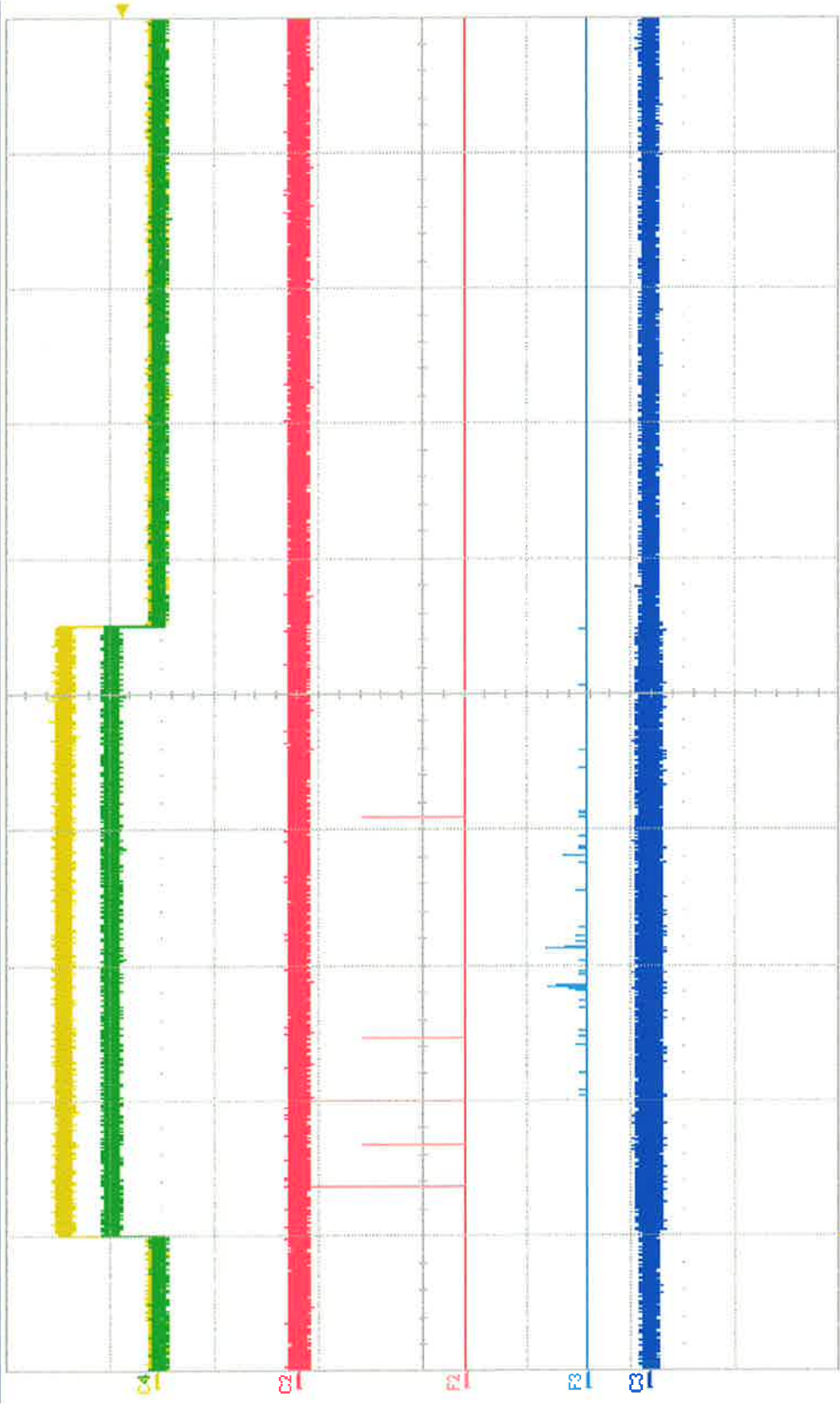


Tbase -4.00 ms Trigger 0100
1.00 ms/div Normal 1.55 V
500 kS 50 MS/s Edge Positive

C1 01 5.00 V 12.70 V
C2 01 5.00 V 5.95 V
C3 03 5.00 V -11.0 V
C4 01 10.0 V 25.30 V
F2 peris... 5.00 # 1.0 ms 131 #
F3 peris... 50.0 # 1.0 ms 1.44 k#

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10/20/2020 10:52:14 AM



Thbase -4.00 ms
1.00 ms/div
500 kS
Trigger Normal
Edge
Positive

F3 peris...
50.0 #
1.0 ms
230 #

F2 peris...
2.00 #
1.0 ms
12 #

C4
10.0 V
25.30 V

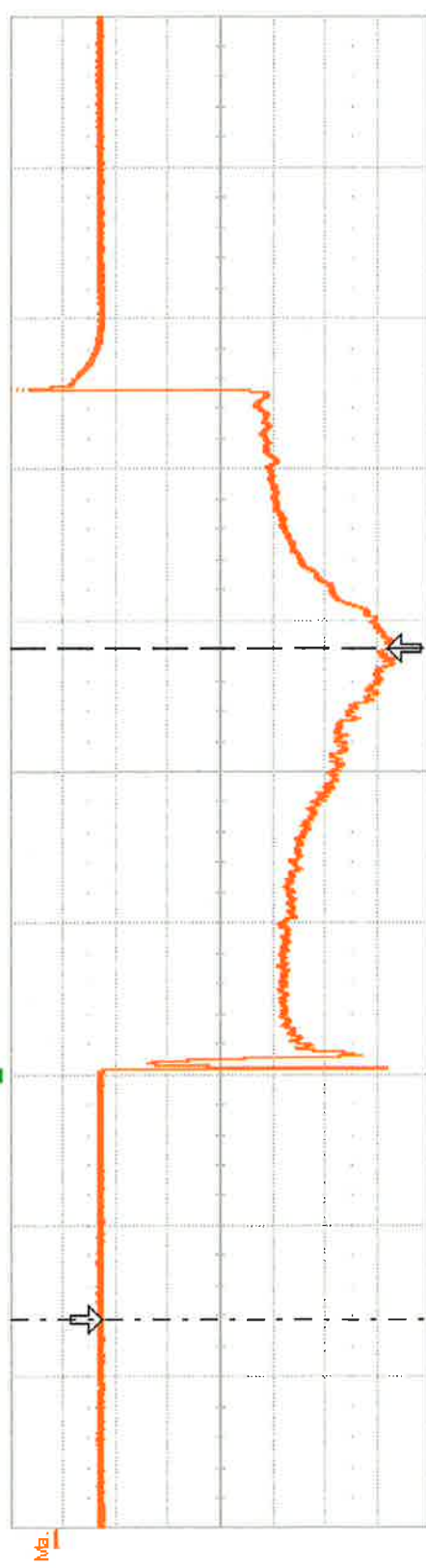
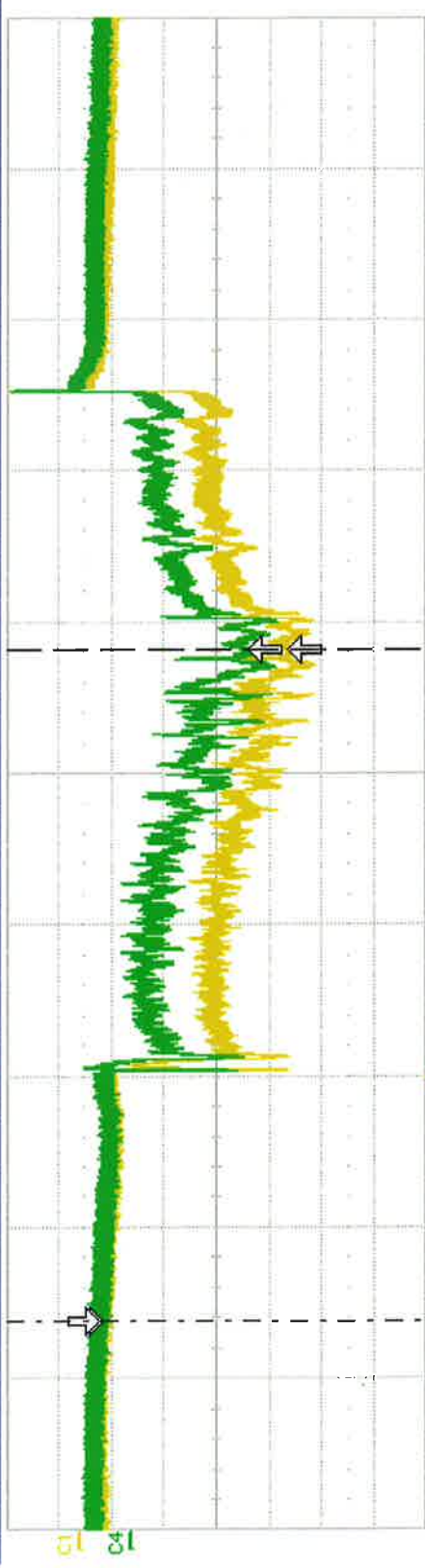
C3
5.00 V
-11.0 V

C2
5.00 V
5.95 V

C1
5.00 V
12.70 V

TELEDYNE LECROY

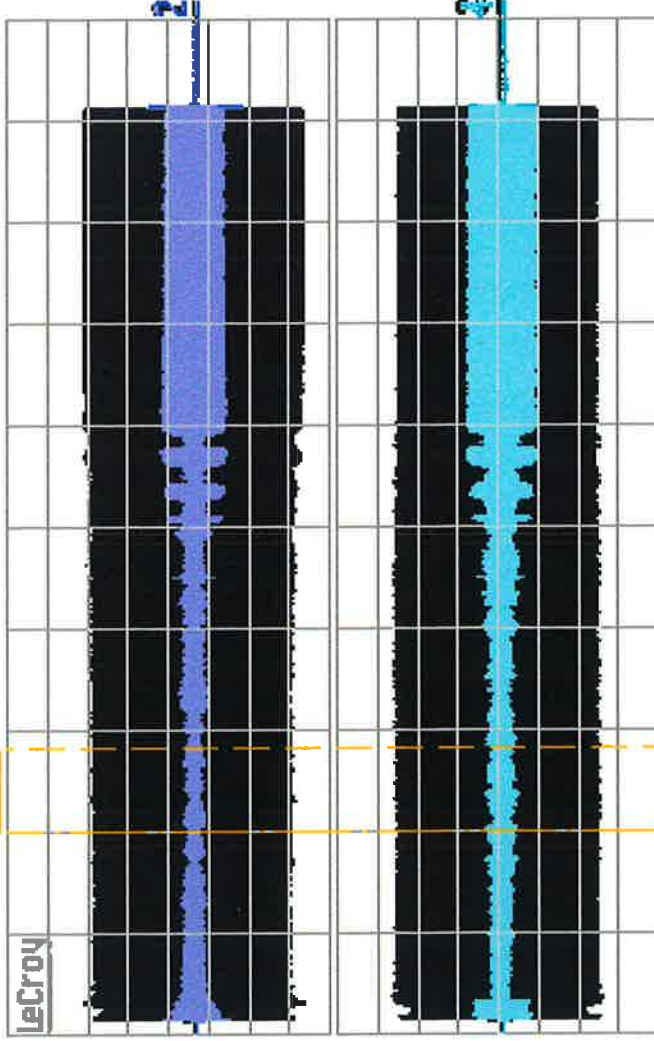
10/20/2020 10:54:37 AM



C1	DCIM	C4	DCIM	Math	<C1>
5.00 mV/div	5.00 mV/div	5.00 mV/div	5.00 mV/div	3.00 mV/div	3.00 mV/div
13.00 mV ofst	8.00 mV ofst	8.00 mV ofst	8.00 mV ofst	1.00 mV ofst	1.00 mV ofst
↑	↑	↑	↑	↑	↑
-2.10 mV	3.25 mV	3.25 mV	3.25 mV	-2.5638 mV	-2.5638 mV
↑	↑	↑	↑	↑	↑
-19.94 mV	-11.15 mV	-11.15 mV	-11.15 mV	-19.0558 mV	-19.0558 mV
Δy	Δy	Δy	Δy	Δy	Δy
-17.84 mV	-14.40 mV	-14.40 mV	-14.40 mV	-16.4870 mV	-16.4870 mV

Timebase	-2.00 ms	Trigger	Ext710 DC
1.00 ms/div	Normal	Edge	700 mV
2.00 MS	200 MS/s	Edge	Negative
X1=	-1.623375 ms	ΔX=	4.433990 ms
X2=	2.810615 ms	1/ΔX=	225.5305 Hz

20-Oct-20
10:55:29



1
.5 ms
200 mV

2
.5 ms
200 mV

3
.5 ms
200 mV

4
.5 ms
200 mV

.5 ms

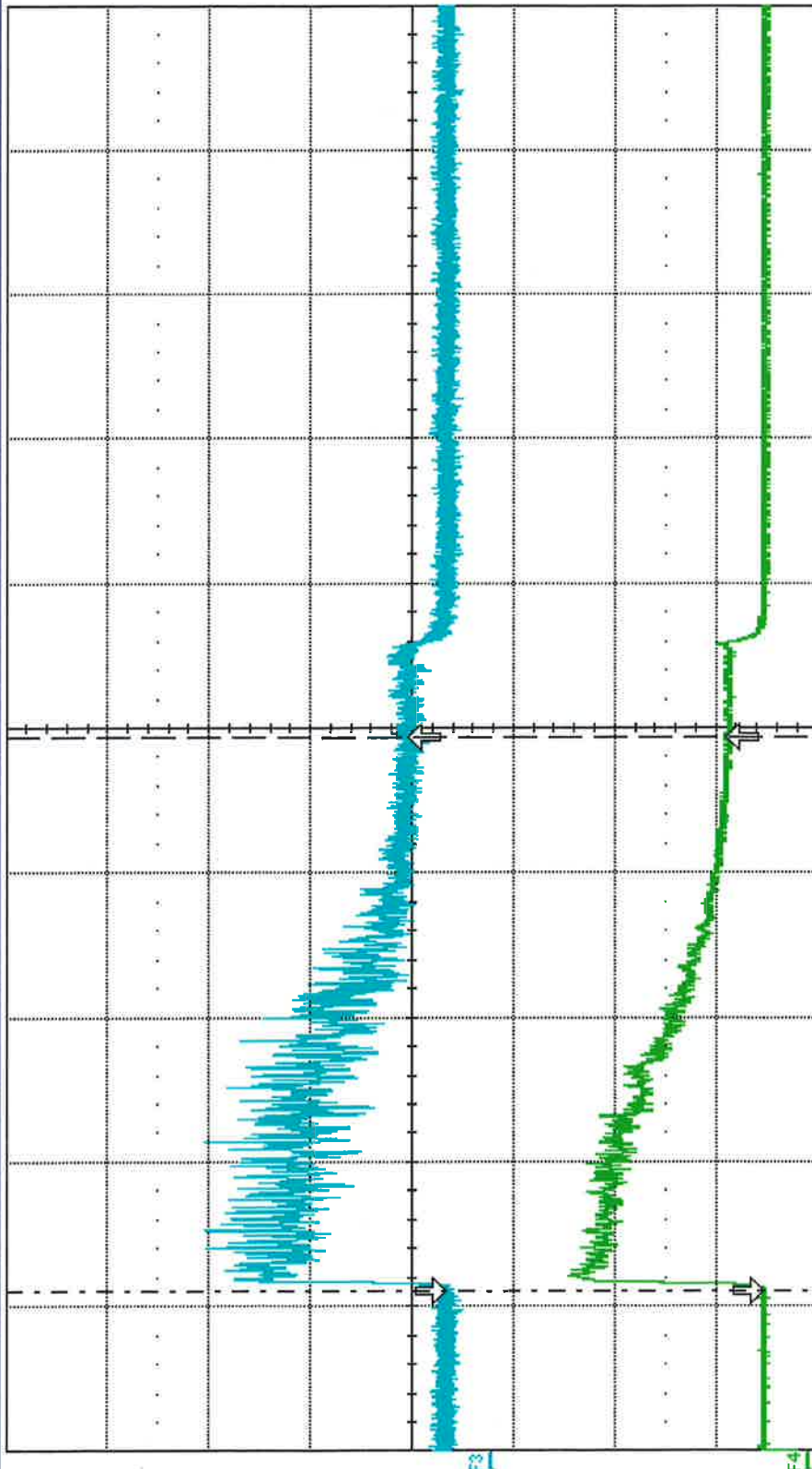
1 .2 V AC
2 .2 V AC
3 .2 V AC
4 .2 V AC

25 sweeps:				
rms (1)	average	low	high	sigma
rms (2)	347.9 mV	344.2	352.3	2.1
rms (3)	29.2 mV	20.4	38.6	4.2
rms (4)	351.4 mV	348.8	354.3	1.5
phase (1,3)	44.0 mV	36.5	53.9	4.1
	81 °	78	85	1

Ext10 DC 0.15 V 50Ω

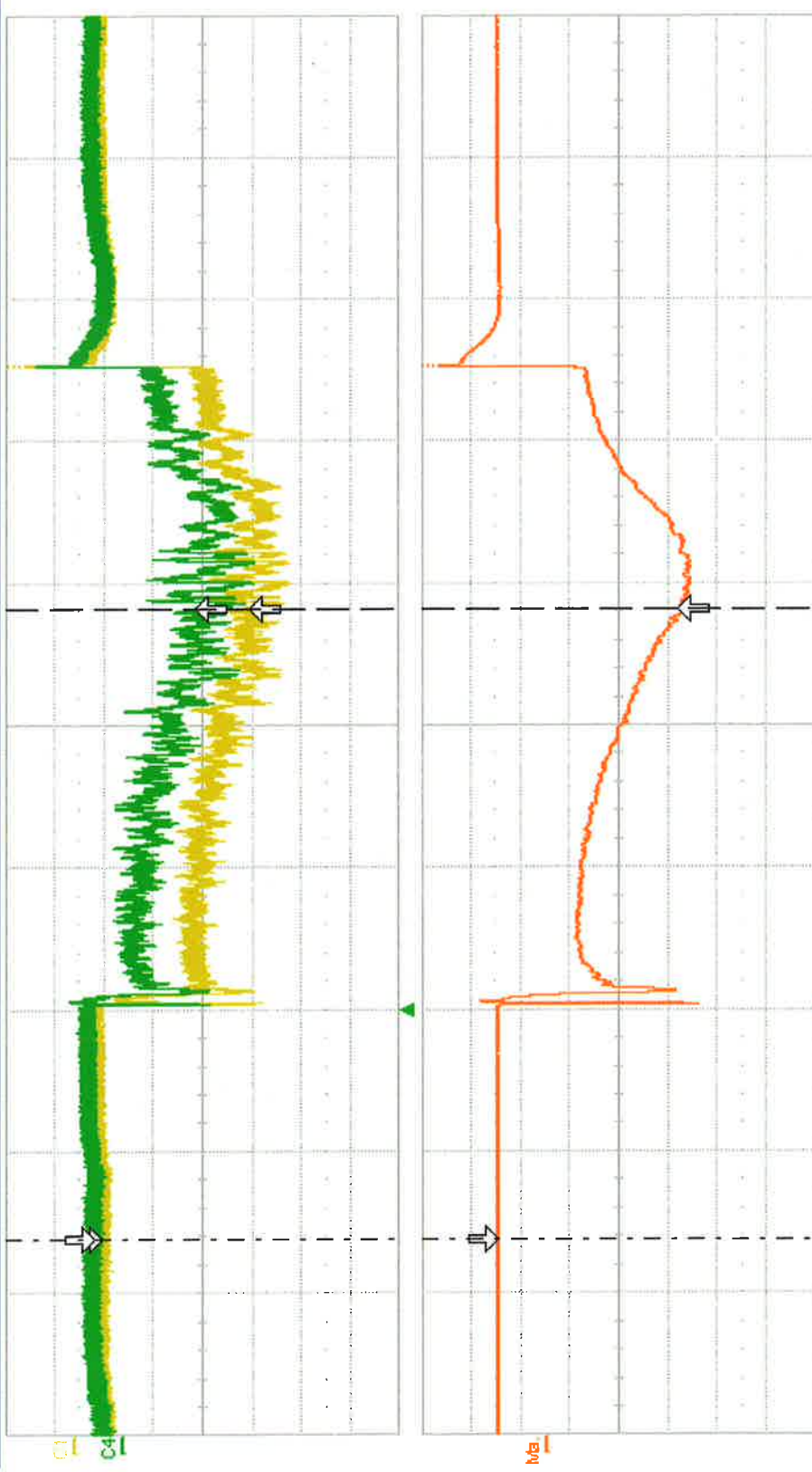
20 MS/s

☐ NORMAL



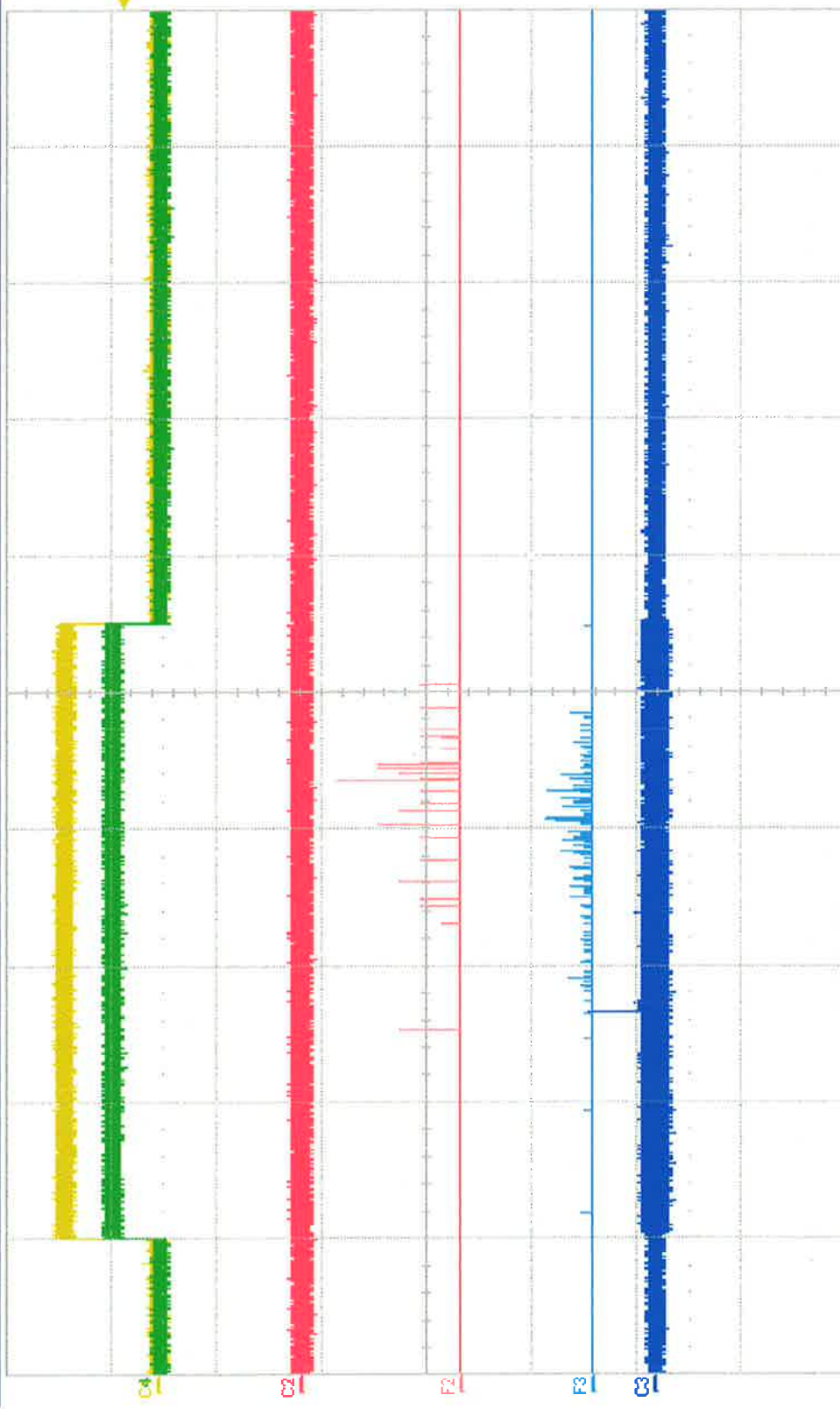
Tbase -3.96 ms
vwStream 1.00 ms
50.0 kS 5.0 MS/s
Trigger **Ext** **10** **DC**
 Normal 30 mV
 Edge Negative
 X1= 63.6 μ s Δ X= 3.8298 ms
 X2= 3.8934 ms 1 Δ X= 261.11 Hz

F3 script(C3,C2) **F4** **<F3>**
 1.00/div 1.00/div
 1.00 ms/div 1.00 ms/div
 17 #
 L 471e-3 467.86e-3
 R 791e-3 809.85e-3
 Δ y 320e-3 341.99e-3



C1	DCIM	5.00 mV/div	13.00 mV ofst	↓	-2.69 mV	↑	-17.83 mV	Δy	-15.15 mV
C4	DCIM	5.00 mV/div	8.00 mV ofst	↓	3.09 mV	↑	-7.52 mV	Δy	-10.62 mV
Math	<C4>	3.00 mV/div	1.00 mV ofst	↓	3.0189 mV	↑	-8.1233 mV	Δy	-11.1421 mV

Timebase	-2.00 ms	Trigger	Ext/10 00
	1.00 ms/div	Normal	7.00 mV
	2.00 MS	200 MS/s	Edge
			Negative
	X1= -1.623375 ms	ΔX= 4.433990 ms	
	X2= 2.810615 ms	1/ΔX= 225.5305 Hz	



Timebase -4.00 ms
 1.00 ms/div
 500 kS
 Trigger Normal
 Edge
 Positive

F3 peris...
 50.0 #
 1.0 ms
 769 #

F2 peris...
 5.00 #
 1.0 ms
 57 #

C4
 10.0 V
 25.30 V

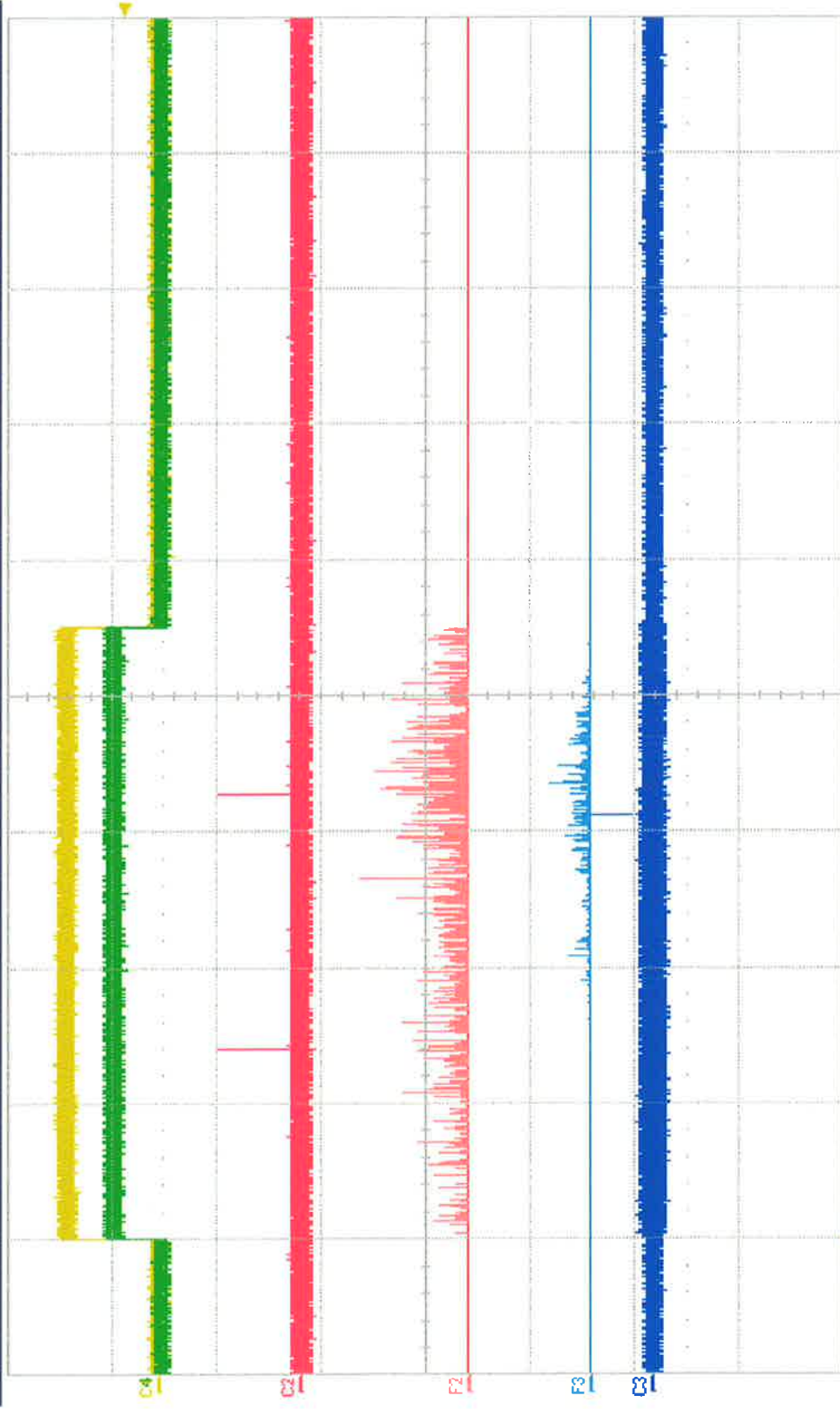
C3
 5.00 V
 -11.0 V

C2
 5.00 V
 5.95 V

C1
 5.00 V
 12.70 V

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10/20/2020 11:02:07 AM



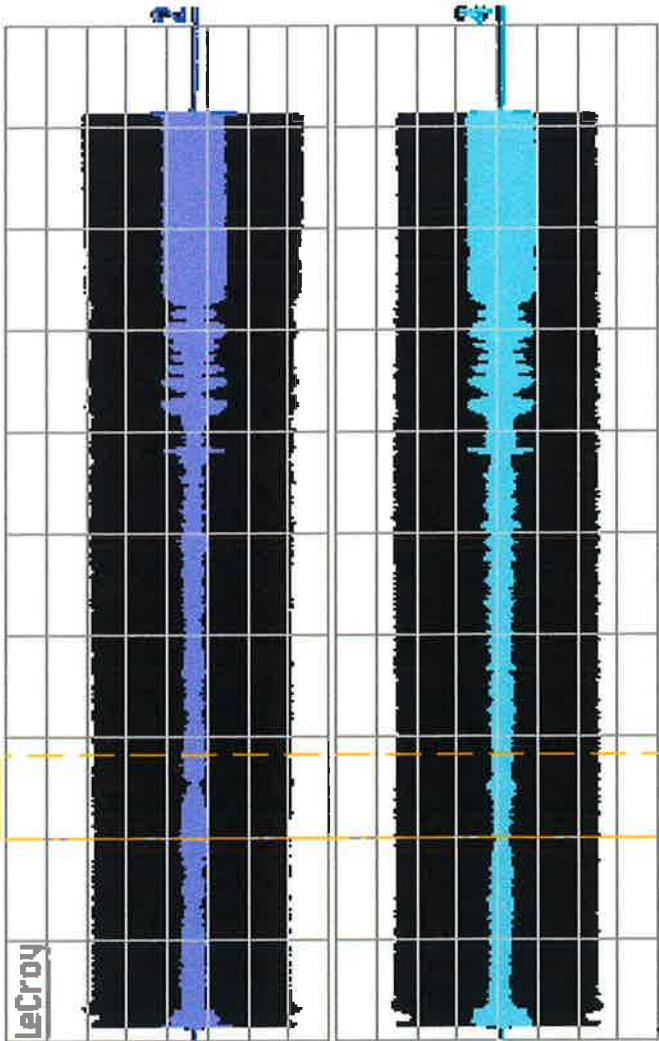
Tbase -4.00 ms Trigger C100
1.00 ms/div Normal 1.65 V
500 kS 50 MS/s Edge Positive

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 1.90 k#
F3 peris... 100 # 1.0 ms 1.61 k#

TELEDYNE LECROY

10/20/2020 11:09:20 AM

20-Oct-20
11:09:23



1
.5 ms
200 mV

2
.5 ms
200 mV

3
.5 ms
200 mV

4
.5 ms
200 mV

.5 ms

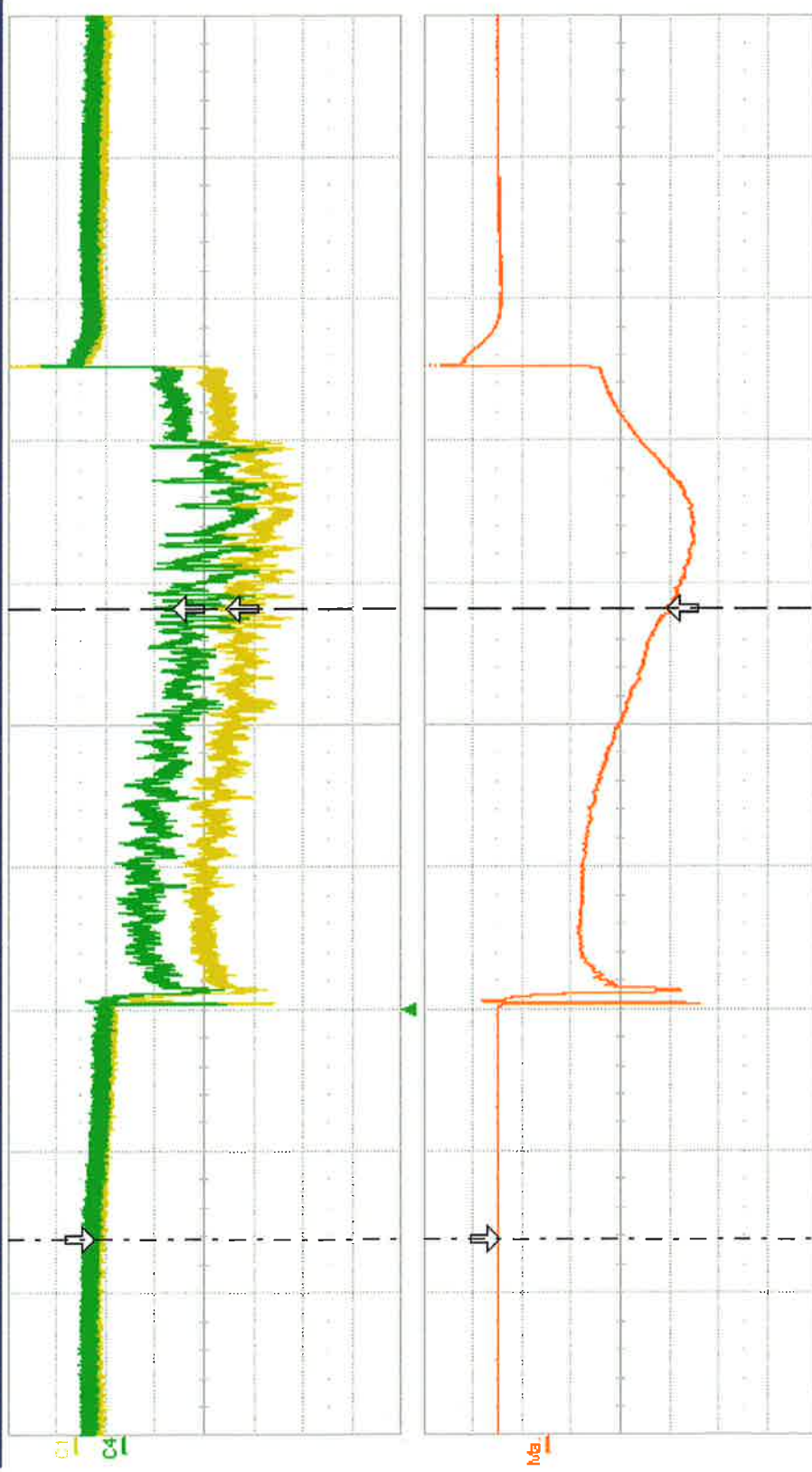
1 .2 V AC
2 .2 V AC
3 .2 V AC
4 .2 V AC

859 sweeps: average low high sigma
rms(1) 347.4 mV 341.5 352.5 1.9
rms(2) 29.5 mV 20.2 41.2 3.0
rms(3) 350.8 mV 347.5 354.5 1.4
rms(4) 43.4 mV 32.9 53.9 3.0
phase(1,3) 81 ° 77 85 1

Ext10 DC 0.15 V 50Ω

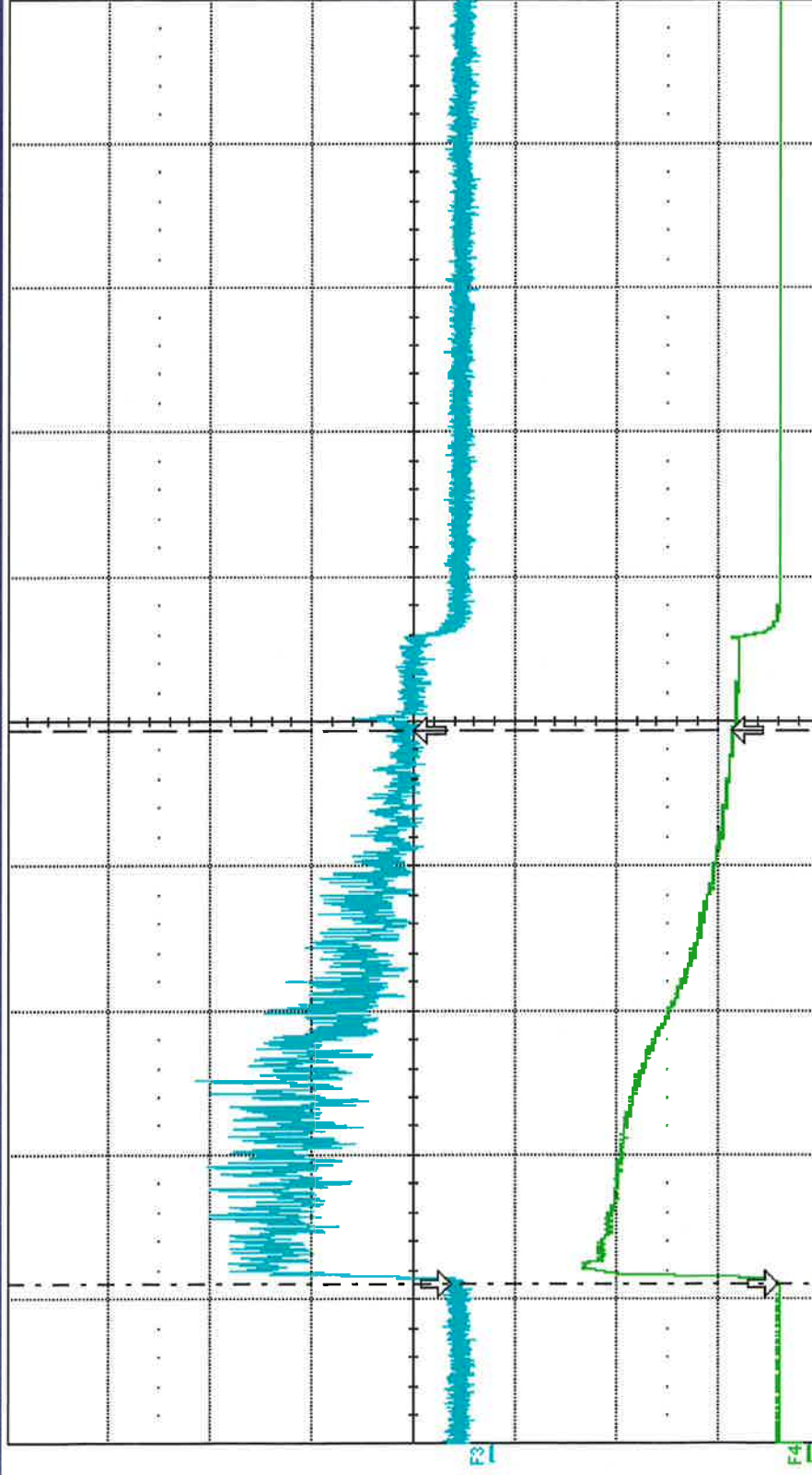
20 MS/s

☐ NORMAL



C1	DC1M	C4	DC1M	Math	<C4>
5.00 mV/div	5.00 mV/div	5.00 mV/div	5.00 mV/div	3.00 mV/div	3.00 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
↑	↑	↑	↑	↑	↑
-1.66 mV	-1.66 mV	3.35 mV	3.35 mV	822 #	822 #
↑	↑	-5.03 mV	-5.03 mV	3.0570 mV	3.0570 mV
Δy	Δy	Δy	Δy	-7.3855 mV	-7.3855 mV
-13.61 mV	-13.61 mV	-8.38 mV	-8.38 mV	-10.4425 mV	-10.4425 mV

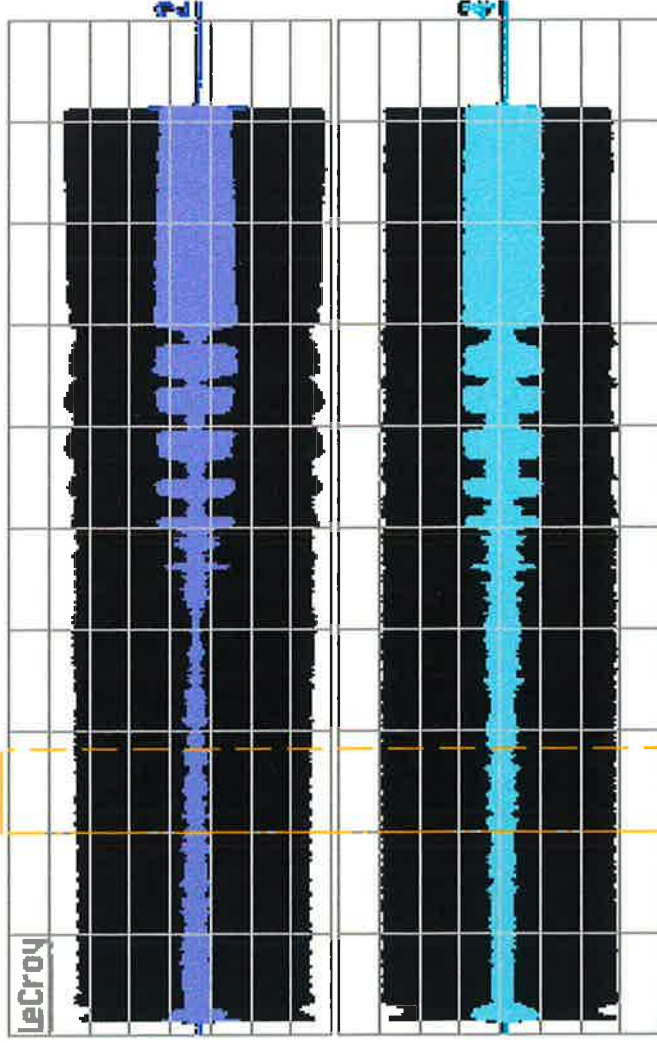
Timebase	-2.00 ms	Trigger	Ext/IO DC
1.00 ms/div	Normal	700 mV	Negative
2.00 MS	Edge		
X1=	-1.623375 ms	ΔX=	4.433990 ms
X2=	2.810615 ms	1/ΔX=	225.5305 Hz



F3 script(C3,C2)		F4		<F3>	
1	419e-3	1.00/div	1.00/div	1.00/div	1.00/div
2	763e-3	1.00 ms/div	1.00 ms/div	1.00 ms/div	1.00 ms/div
3	345e-3				
Δy					

Thase		-3.96 ms		Trigger Ext10 DC	
vwStream	1.00 ms	Normal	30 mV	Normal	30 mV
50.0 kS	5.0 MS/s	Edge	Negative	Edge	Negative
X1=	63.6 μs	ΔX=	3.8298 ms		
X2=	3.8934 ms	1/ΔX=	261.11 Hz		

20-Oct-20
11:14:58



1
-5 ms
200 mV

2
-5 ms
200 mV

3
-5 ms
200 mV

4
-5 ms
200 mV

-5 ms

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

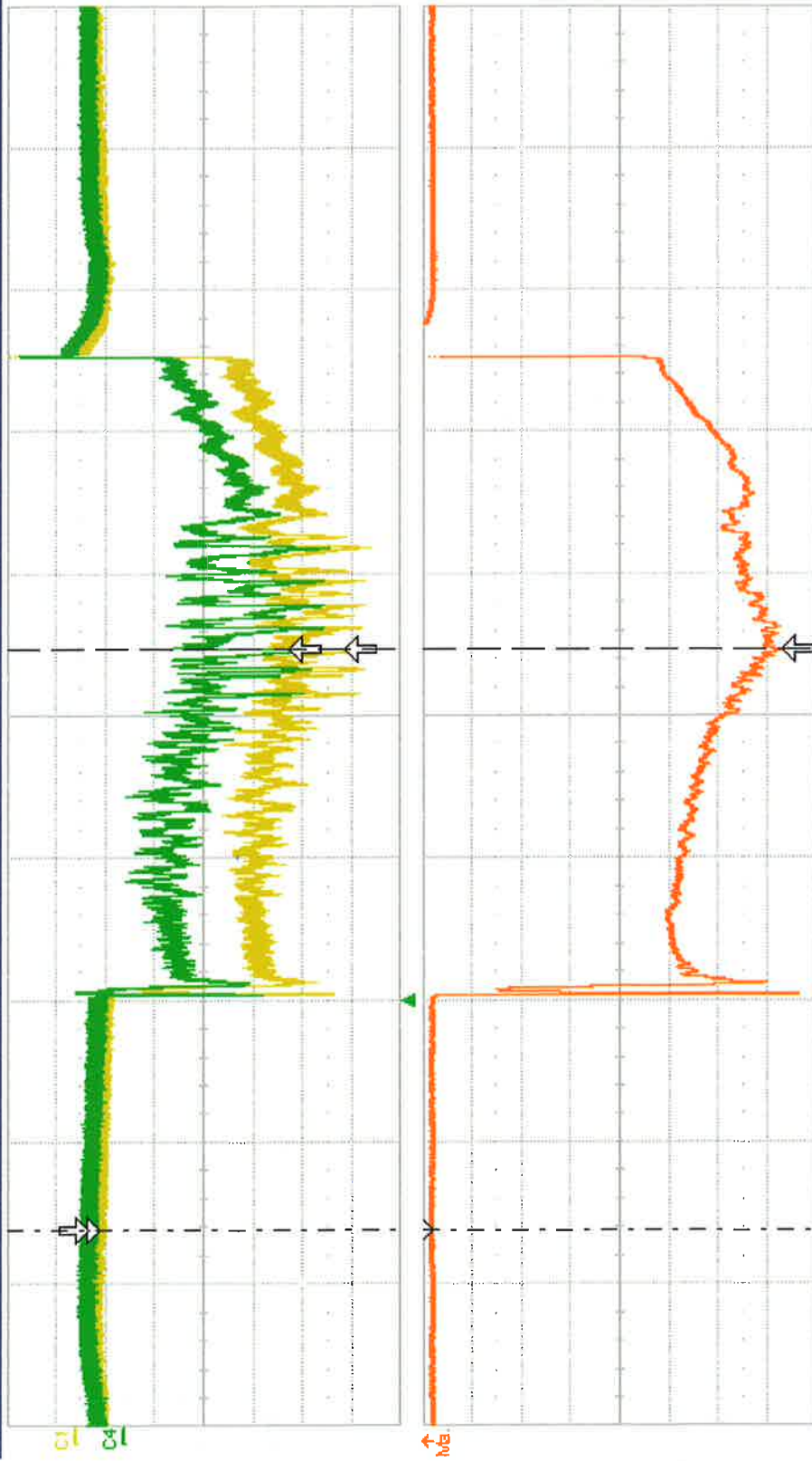
211 sweeps:

	average	low	high	sigma
rms(1)	409.2 mV	405.2	413.8	1.6
rms(2)	34.2 mV	28.1	38.6	1.9
rms(3)	401.5 mV	398.7	404.5	1.2
rms(4)	47.3 mV	40.1	53.2	1.9
phase(1,3)	80 °	77	84	1

20 MS/s

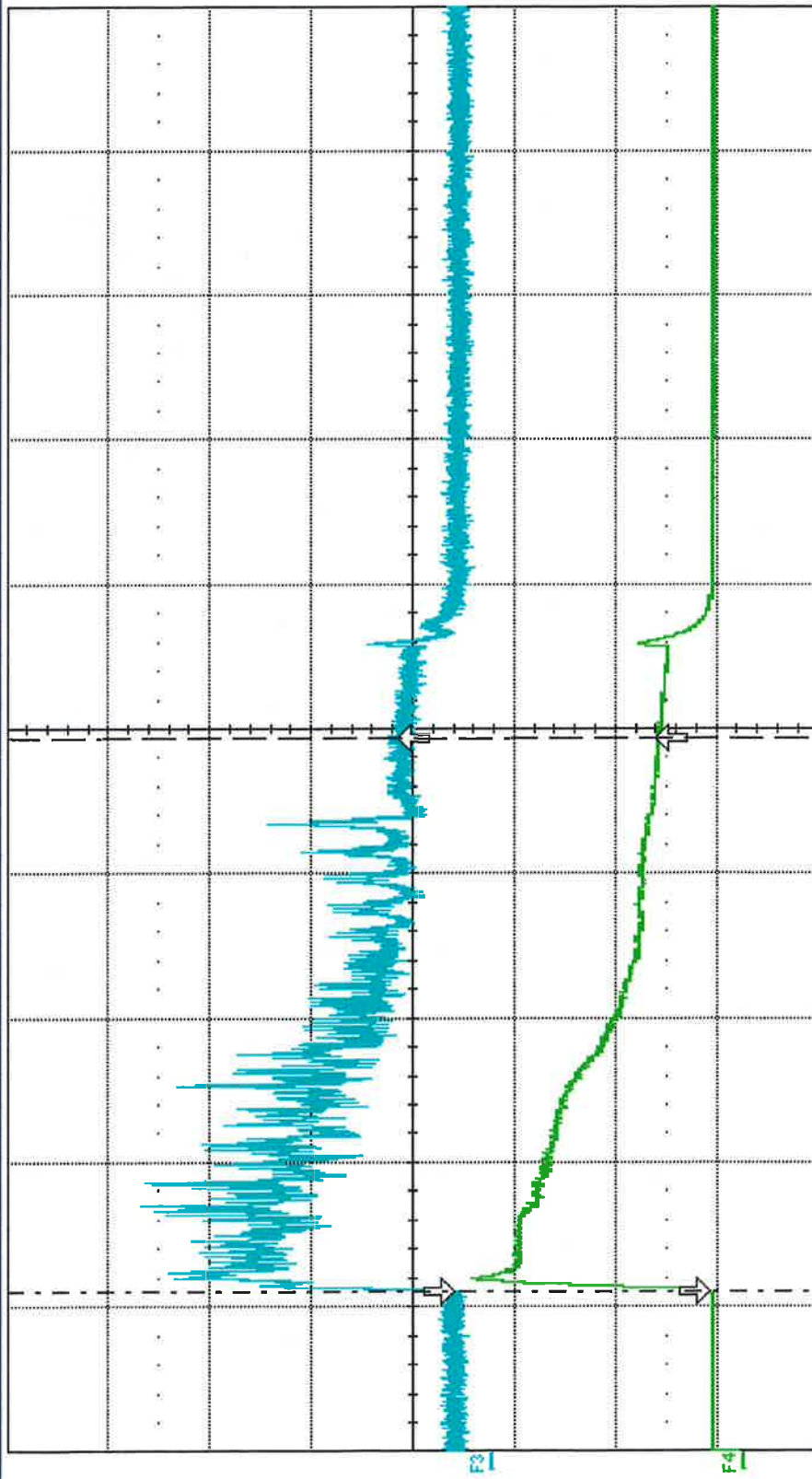
Ext10 DC 0.15 V 50Ω

☐ NORMAL



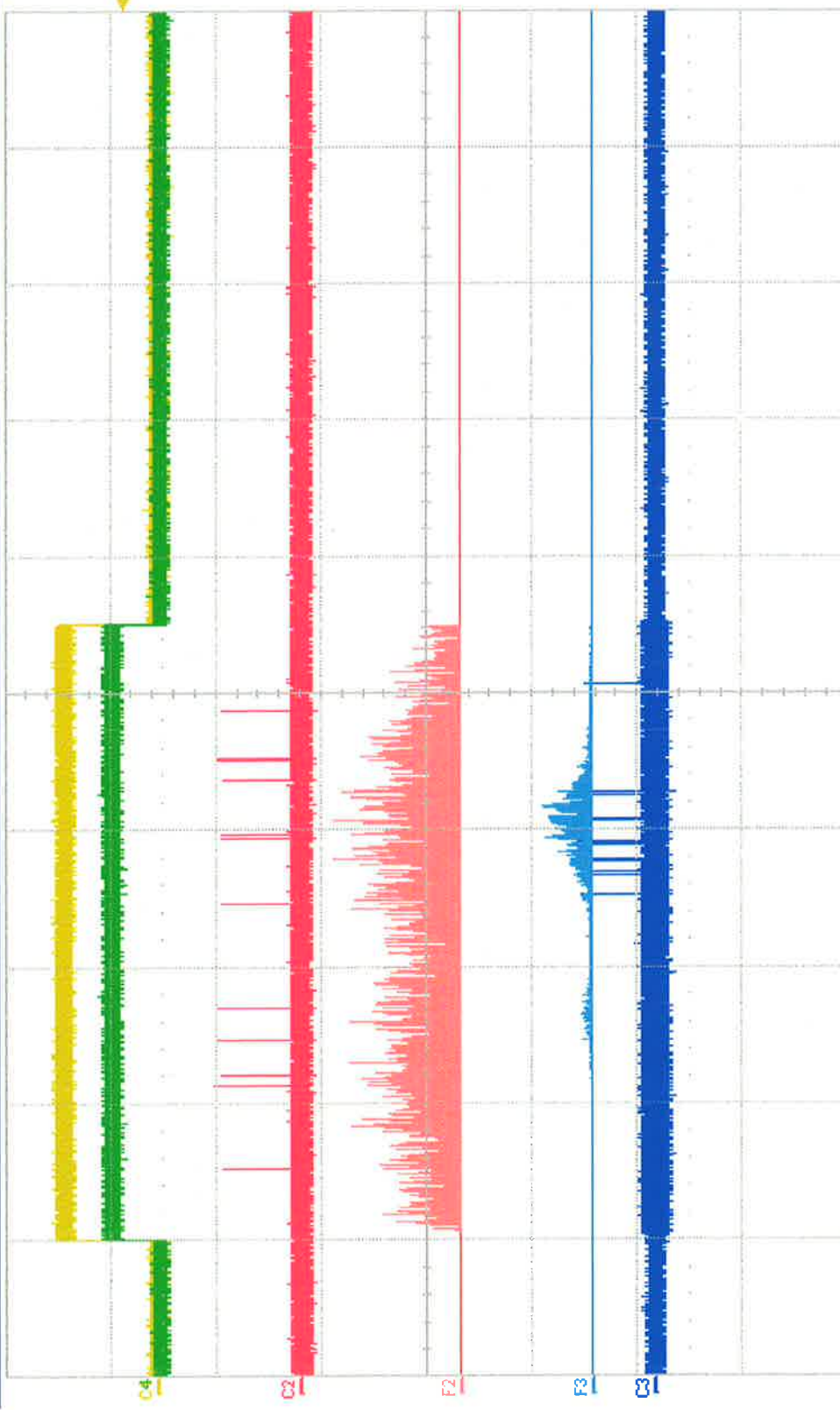
C1	DCIM	C4	DCIM	Math	<C1>
5.00 mV/div	5.00 mV/div	5.00 mV/div	5.00 mV/div	3.00 mV/div	3.00 mV/div
13.00 mV ofst	13.00 mV ofst	8.00 mV ofst	8.00 mV ofst	1.00 mV/div	1.00 mV/div
↓	↓	↓	↓	↓	↓
-2.29 mV	-2.29 mV	3.75 mV	3.75 mV	-2.4948 mV	-2.4948 mV
↑	↑	↑	↑	23.5808 mV	23.5808 mV
Δy	Δy	Δy	Δy	Δy	Δy
-25.09 mV	-25.09 mV	-20.54 mV	-20.54 mV	-21.4850 mV	-21.4850 mV

Timebase	-2.00 ms	Trigger	Ext10	DC
1.00 ms/div	1.00 ms/div	Normal	700 mV	Negative
2.00 MS	200 MS/s	Edge		
X1=	-1.623375 ms	ΔX=	4.084930 ms	
X2=	2.461555 ms	1/ΔX=	244.8022 Hz	



F3 script(C3,C2)		F4	<F3>
↓	1.00/div	↓	1.00/div
↑	1.00 ms/div	↑	1.00 ms/div
Δv	380e-3	Δv	235 #
	901e-3		354.06e-3
	521e-3		847.78e-3

Tbase		Trigger Ext10 DC	
WStream	-3.96 ms	Normal	30 mV
50.0 kS	1.00 ms	Edge	Negative
X1=	63.6 μs	ΔX=	3.8298 ms
X2=	3.8934 ms	1/ΔX=	261.11 Hz

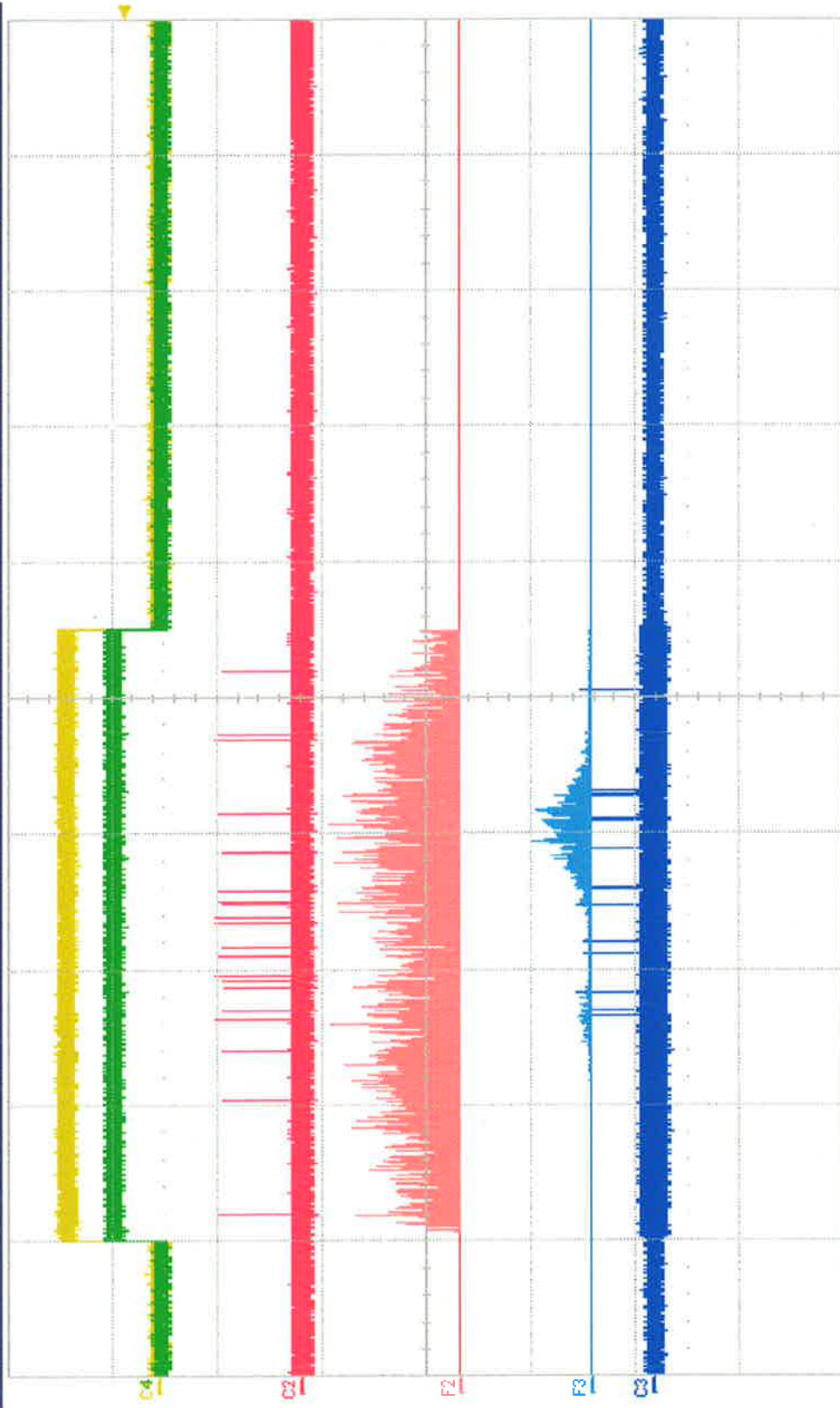


Tbase -4.00 ms Trigger 6100
1.00 ms/div Normal 1.05 V
500 kS 50 MS/s Edge Positive

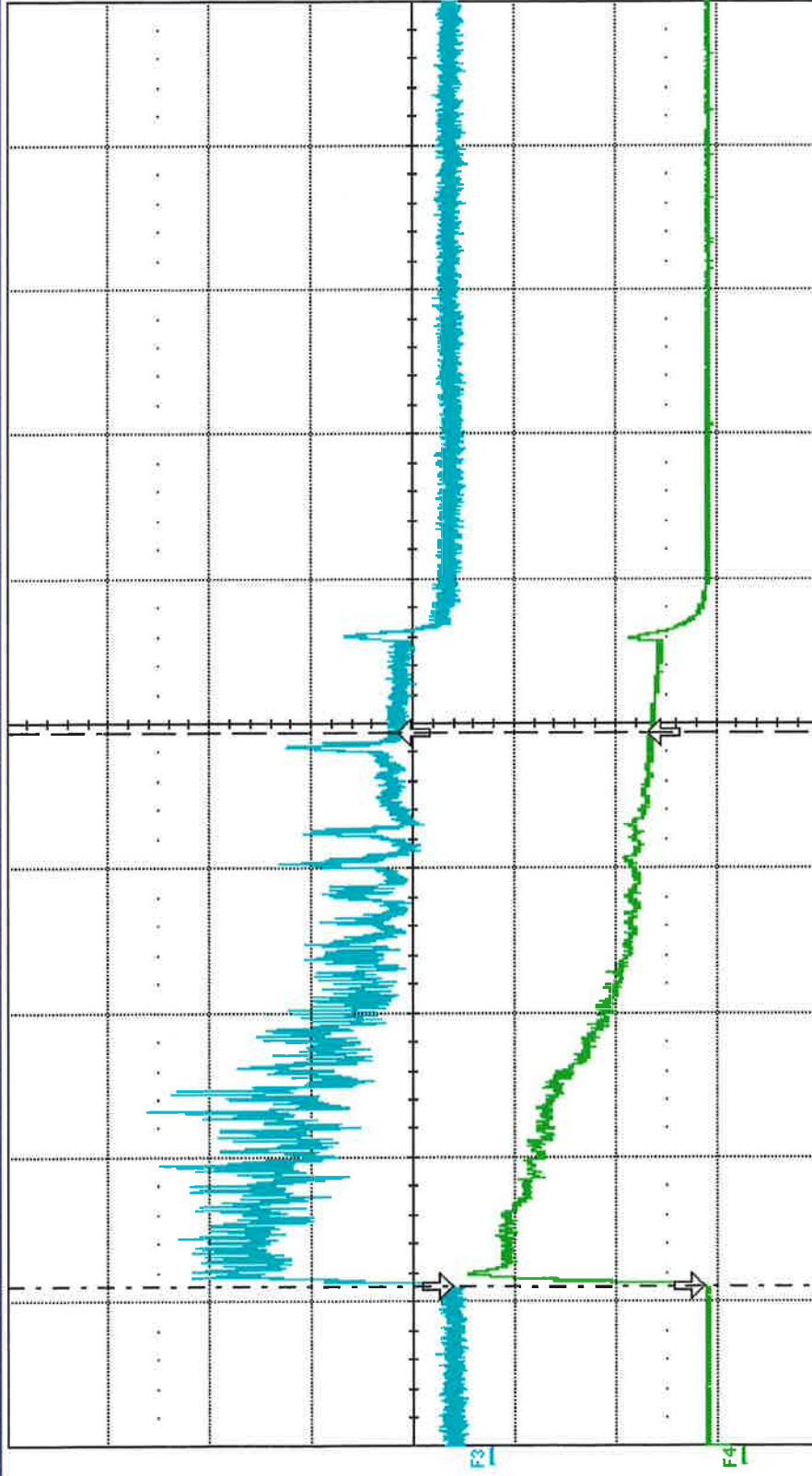
C1 5.00 V 12.70 V
C2 5.00 V 5.95 V
C3 5.00 V -11.0 V
C4 10.0 V 25.30 V
F2 peris... 50.0 # 1.0 ms 12.2 k#
F3 peris... 1.00 k# 1.0 ms 29.4 k#

TELEDYNE LECROY

10/20/2020 11:17:42 AM

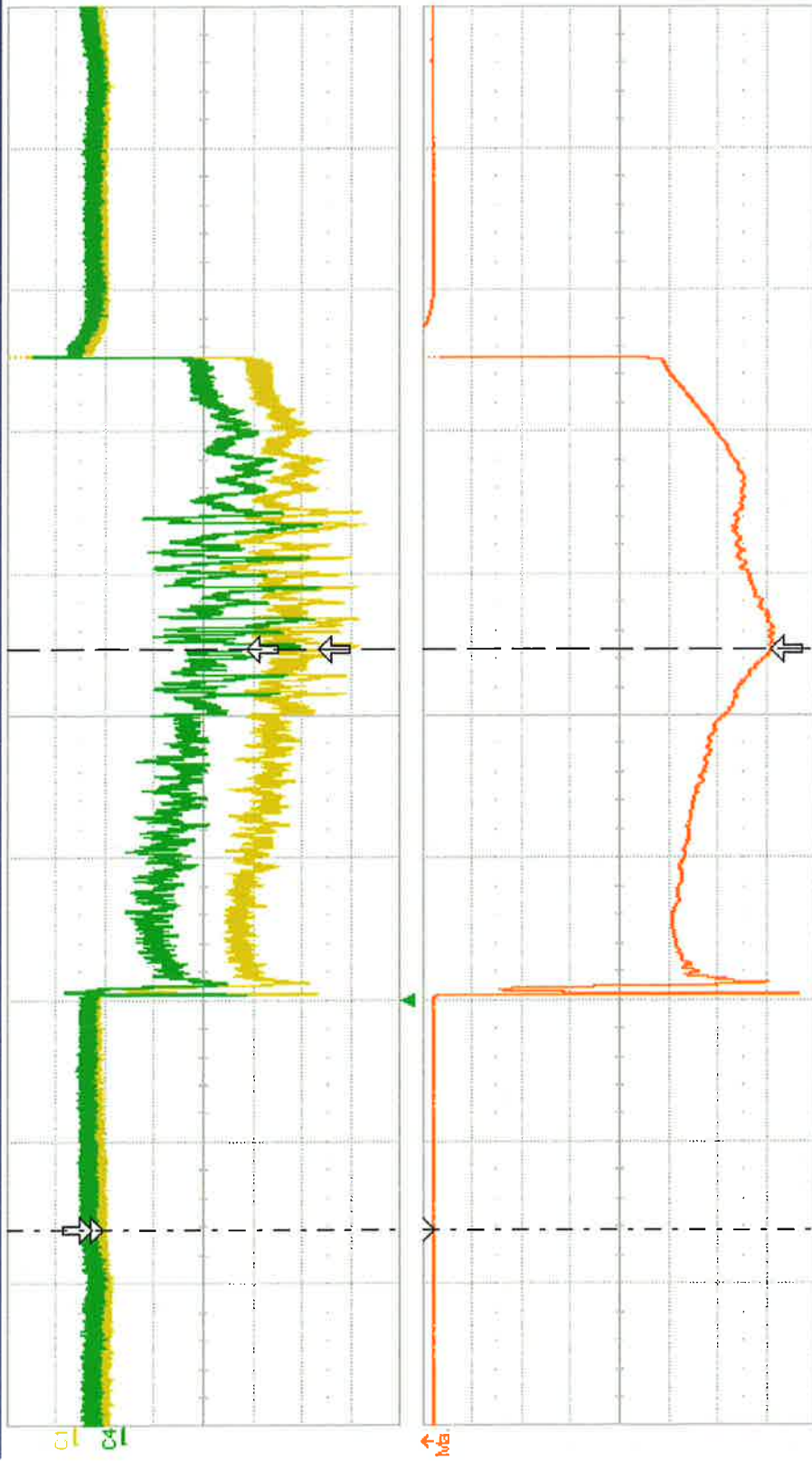


C1	D1	5.00 V	12.70 V
C2	D1	5.00 V	5.95 V
C3	D1	5.00 V	-11.0 V
C4	D1	10.0 V	25.30 V
F2 peris...	D1	50.0 #	1.0 ms
F3 peris...	D1	1.00 k#	1.0 ms
Thase	-4.00 ms	1.00 ms/div	500 kS
Trigger	Normal	Edge	Positive



F3 script(C3,C2)		F4		<F3>	
1.00/div	1.00/div	1.00/div	1.00/div	1.00/div	1.00/div
1.00 ms/div	1.00 ms/div	1.00 ms/div	1.00 ms/div	1.00 ms/div	1.00 ms/div
412e-3	412e-3	403.49e-3	403.49e-3	55 #	55 #
901e-3	901e-3	927.10e-3	927.10e-3		
Δy	Δy	Δy	Δy		

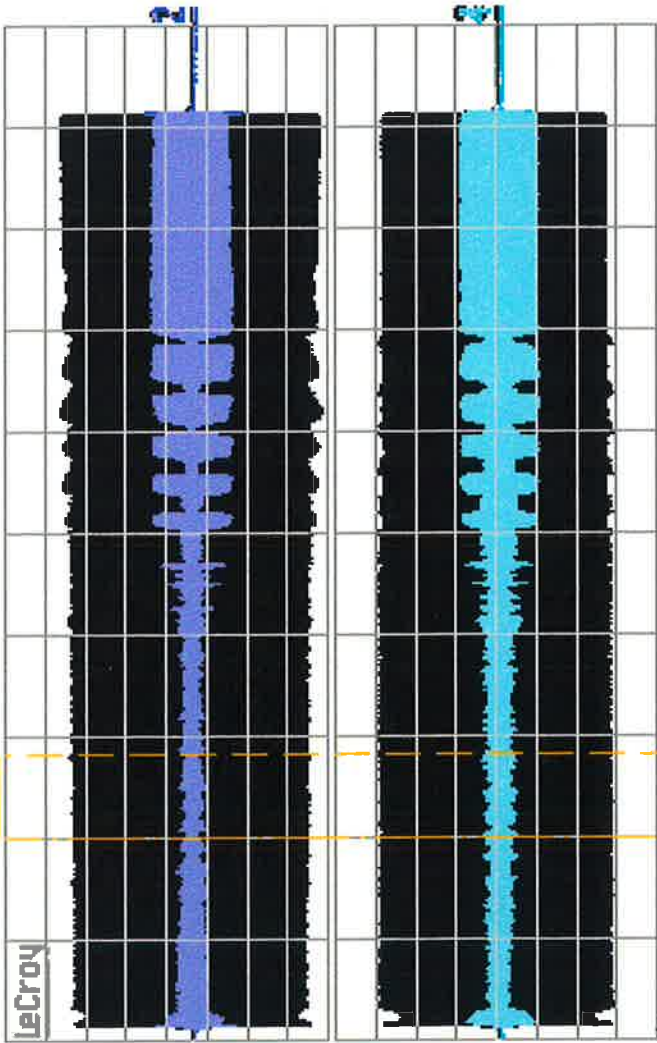
Tbase		Trigger Ext 10	
-3.96 ms	-3.96 ms	Normal	30 mV
50.0 kS	5.0 MS/s	Edge	Negative
X1= 63.6 μs	ΔX= 3.8298 ms		
X2= 3.8934 ms	1/ΔX= 261.11 Hz		



C1	DClm1	C4	DClm4	Math	<C1>
5.00 mV/div	5.00 mV/div	5.00 mV/div	5.00 mV/div	3.00 mV/div	3.00 mV/div
13.00 mV ofst	13.00 mV ofst	8.00 mV ofst	8.00 mV ofst	1.00 mV ofst	1.00 mV ofst
↓	↓	↓	↓	↓	↓
-2.63 mV	-2.63 mV	3.50 mV	3.50 mV	-2.5791 mV	-2.5791 mV
↑	↑	↑	↑	↑	↑
-24.82 mV	-24.82 mV	-12.43 mV	-12.43 mV	-23.3522 mV	-23.3522 mV
Δy	Δy	Δy	Δy	Δy	Δy
-22.19 mV	-22.19 mV	-15.94 mV	-15.94 mV	-20.7730 mV	-20.7730 mV

Timebase	-2.00 ms	Trigger	Ext10 DC
1.00 ms/div	1.00 ms/div	Normal	700 mV
2.00 MS	200 MS/s	Edge	Negative
X1=	-1.523375 ms	ΔX=	4.084930 ms
X2=	2.461555 ms	1/ΔX=	244.8022 Hz

20-Oct-20
11:20:23



1
.5 ms
200 mV

2
.5 ms
200 mV

3
.5 ms
200 mV

4
.5 ms
200 mV

.5 ms

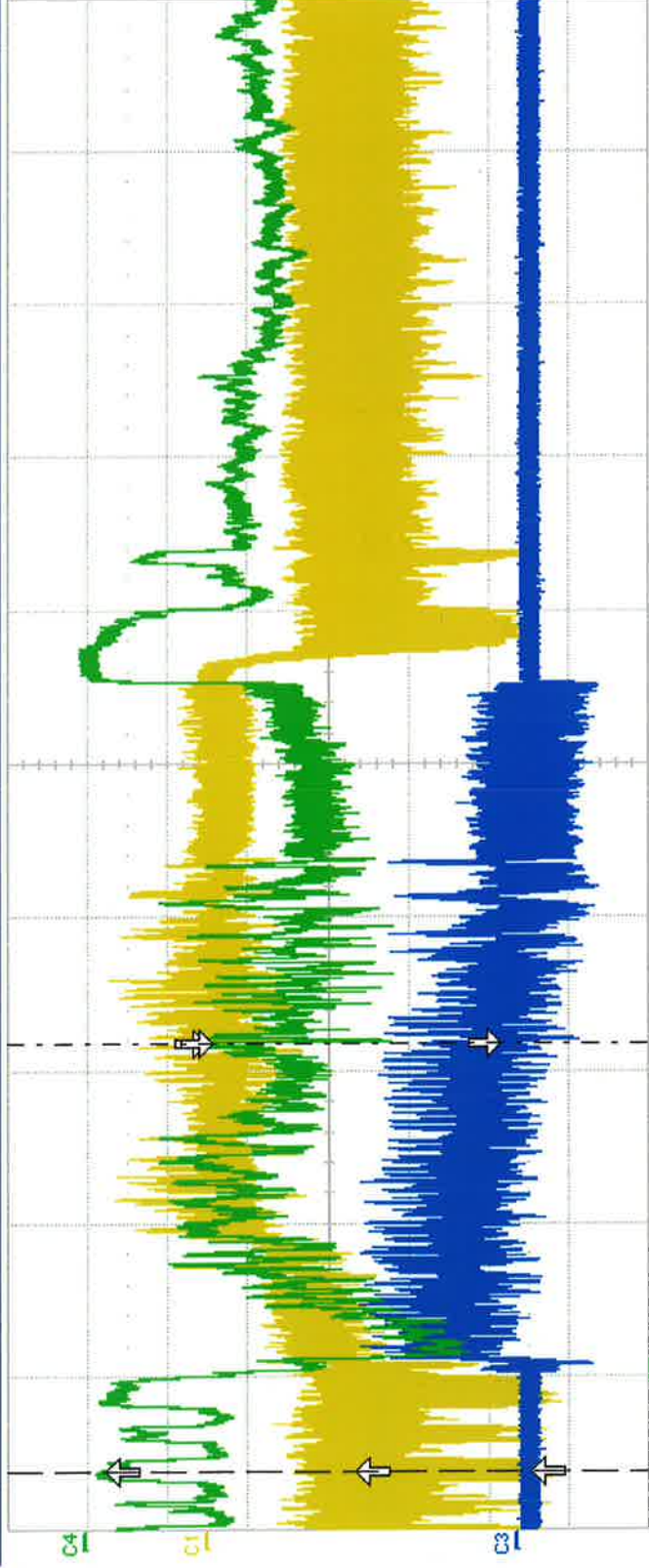
1 .2 V AC
2 .2 V AC
3 .2 V AC
4 .2 V AC

536 sweeps:				
rms(1)	average	low	high	sigma
rms(2)	409.9mV	405.2	414.9	1.7
rms(3)	33.7mV	26.9	39.1	1.9
rms(4)	401.1mV	398.0	404.5	1.3
phase(1,3)	47.2mV	40.1	53.2	1.9
	80 °	77	84	1

Ext10 DC 0.15 V 50Ω

20 MS/s

☐ NORMAL

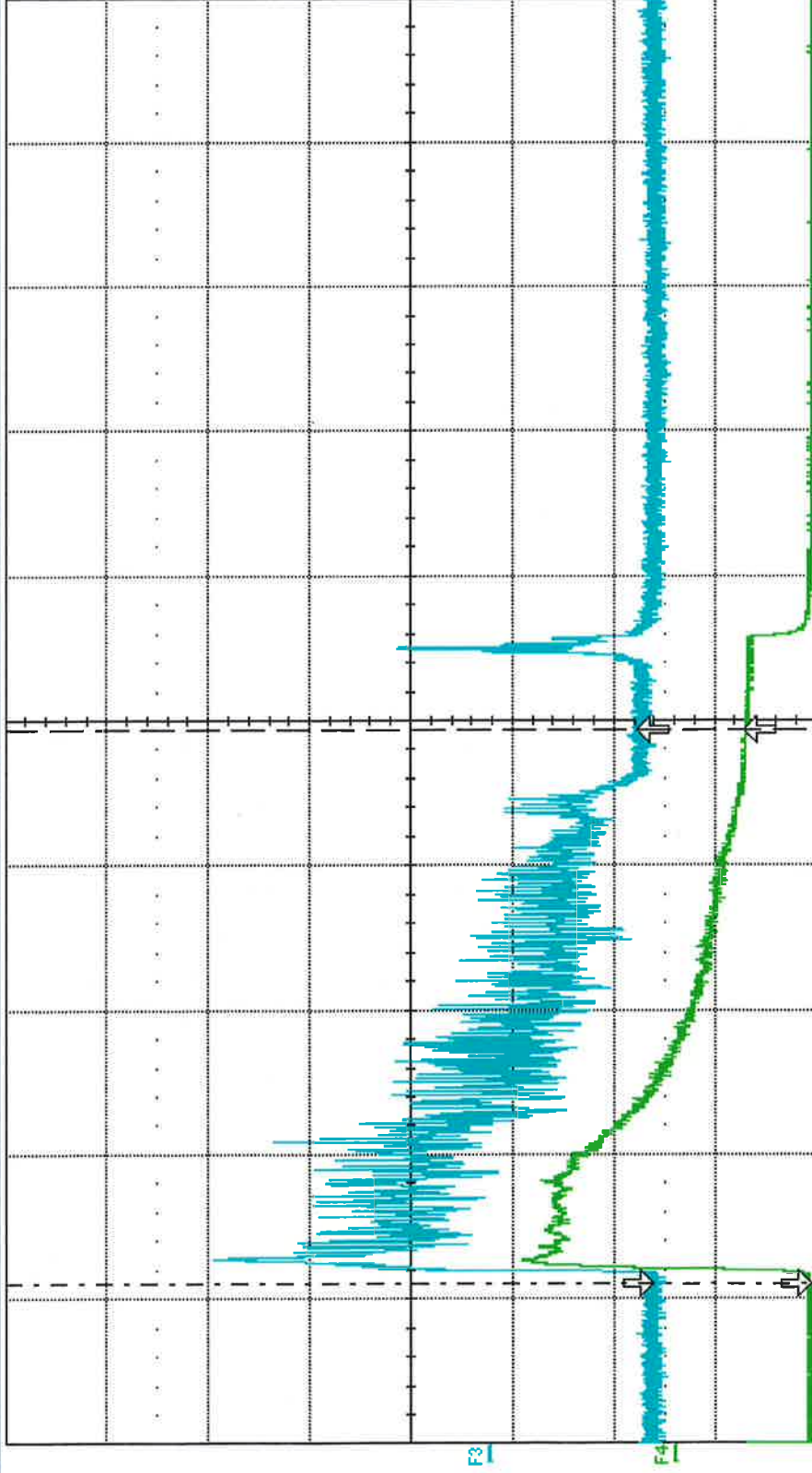


Measure		P1:amp(C1)	P2:amp(C4)	P3:---	P4:---	P5:---	P6:---
value		1.125 V	484 V				
mean		985.68 mV	416.95 V				
min		249 mV	338 V				
max		1.238 V	544 V				
sdev		274.93 mV	56.27 V				
num		1.543e+3	1.543e+3				
status		.B.	.B.				

Timebase	-4.00 ms	Trigger	ES1 DC
250 μ s	1.00 ms/div	Normal	150 mV
	25 MS/s	Edge	Positive

X1= 2.18204 ms Δ X= -2.79600 ms
X2= -613.96 μ s Δ X= -357.654 Hz

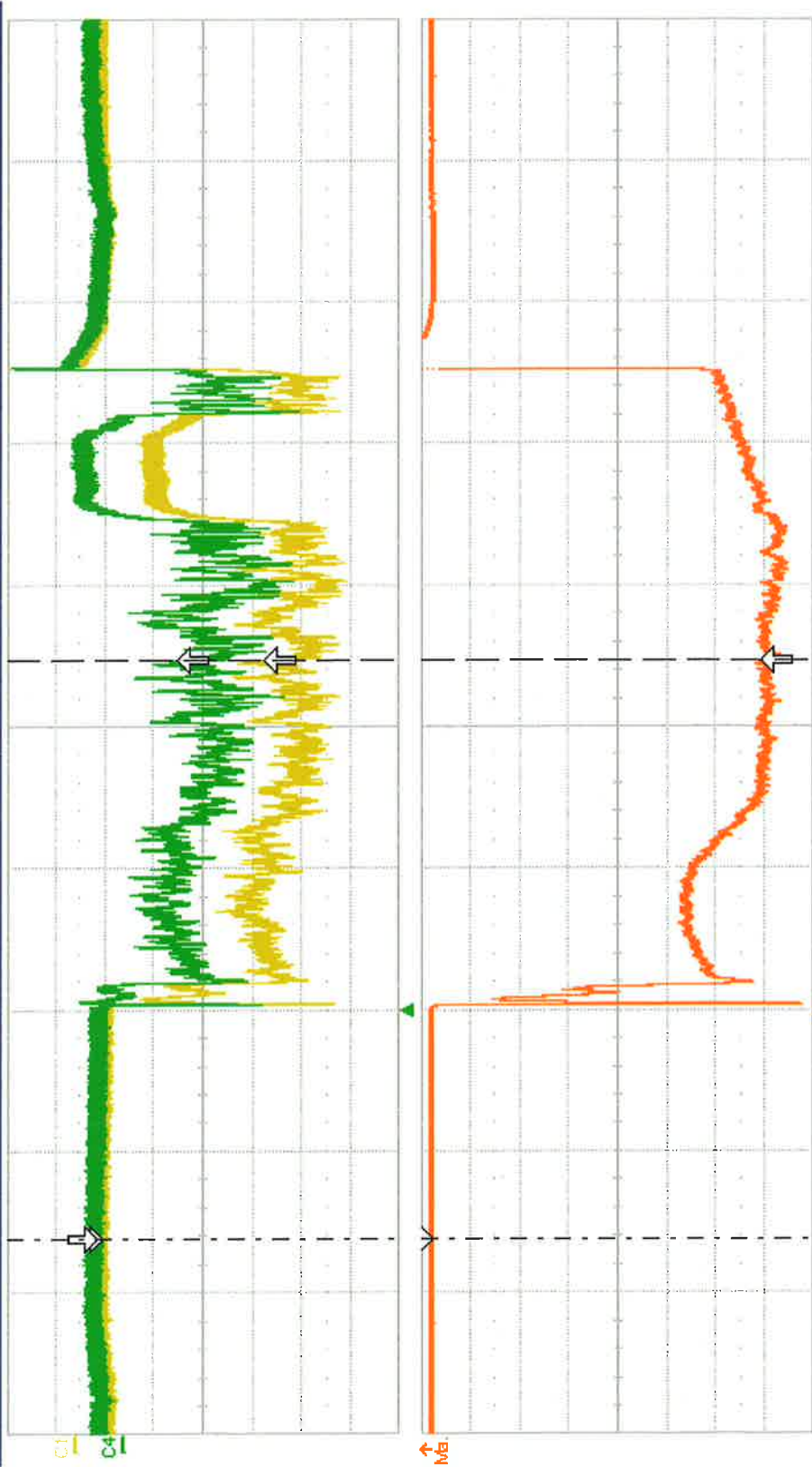
C1	DCIM	200 mV/div	300.0 mV ofst	500 mA/div	-1.170 A ofst	100 V/div	302.0 V ofst
		-68.7 mV	113 mA	-113 mA	-107 mA	-157.4 V	-26.7 V
Δ y		-273.3 mV		-220 mA		128.7 V	



F3 script(C3,C2)
 1.00/div
 1.00 ms/div
 ↓ -1.596
 ↑ -1.466
 Δv 130e-3

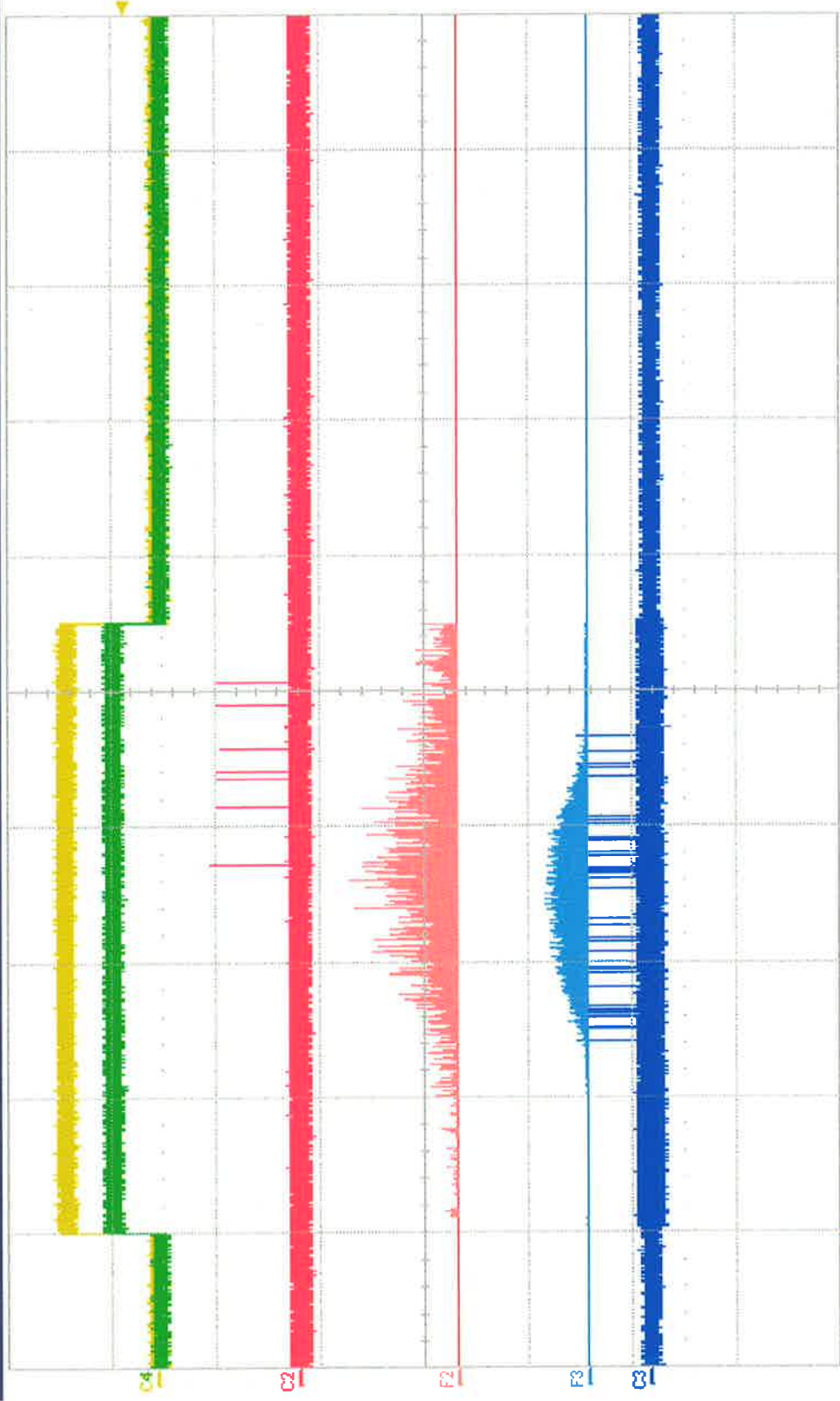
F4 <F3>
 1.00/div
 1.00 ms/div
 108 #
 ↓ -1.32886
 ↑ -696.62e-3
 Δv 632.24e-3

Tbase -3.96 ms
WStream 1.00 ms
50.0 kS 5.0 MS/s
Trigger ExtIO DC
 Normal 30 mV
 Edge Negative
X1= 63.6 μ s Δ X= 3.8298 ms
X2= 3.8934 ms $1/\Delta$ X= 261.11 Hz



C1	DCIM	5.00 mV/div	13.00 mV ofst	↓	-2.67 mV	↑	-19.37 mV	Δy	-16.69 mV
C4	DCIM	5.00 mV/div	8.00 mV ofst	↓	2.94 mV	↑	-5.60 mV	Δy	-8.54 mV
Math	<C1>	3.00 mV/div	1.00 ms/div	↓	-2.5588 mV	↑	-22.6379 mV	Δy	-20.2691 mV

Timebase	-2.00 ms	Trigger	Ex710 DC
1.00 ms/div	Normal	700 mV	
2.00 MS	200 MS/s	Edge	Negative
X1=	-1.623375 ms	ΔX=	4.084930 ms
X2=	2.461555 ms	1/ΔX=	244.8022 Hz

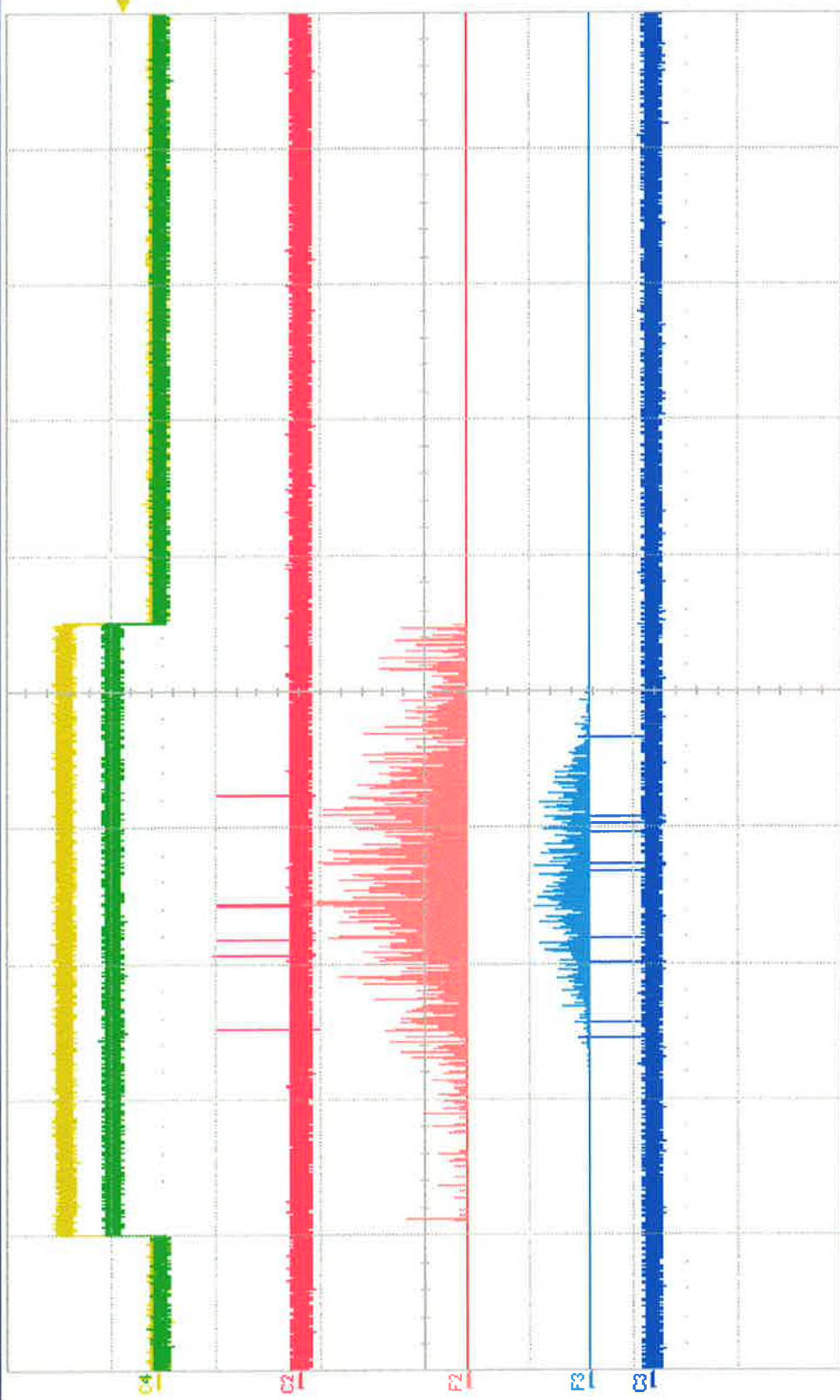


Tbase -4.00 ms
1.00 ms/div
500 kS
Trigger 5100
Normal
Edge
1.55 V
Positive

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... 50.0 # 1.0 ms 6.43 k#
F3 peris... 2.00 k# 1.0 ms 113 k#

TELEDYNE LECROY

10/20/2020 11:30:39 AM

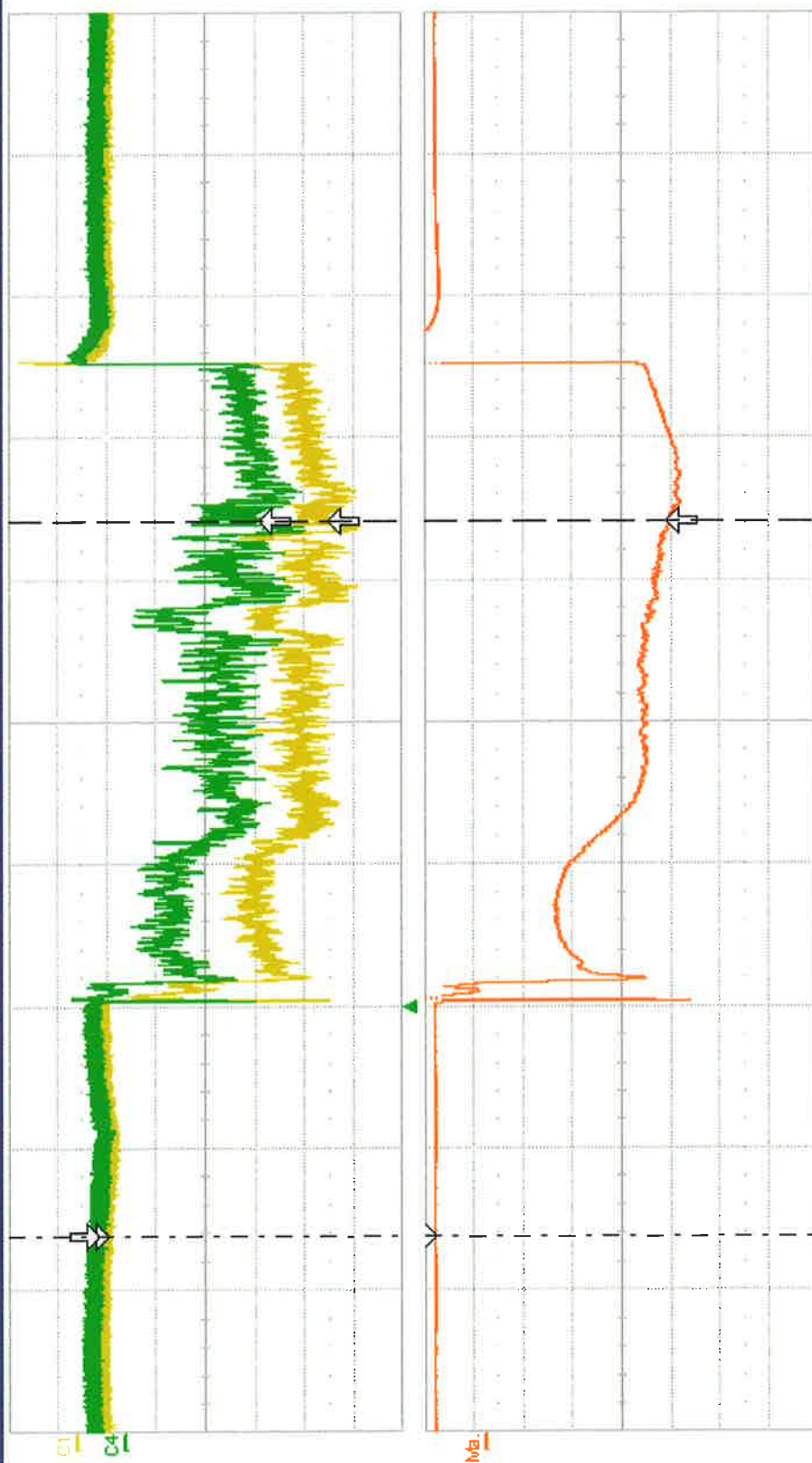


Tbase -4.00 ms
1.00 ms/div
500 kS
Trigger 01 00
Normal
Edge
1.55 V
Positive

C1 01 5.00 V 12.70 V
C2 01 5.00 V 5.95 V
C3 01 5.00 V -11.0 V
C4 01 10.0 V 25.30 V
F2 peris... 20.0 # 1.0 ms 3.83 k#
F3 peris... 200 # 1.0 ms 10.1 k#

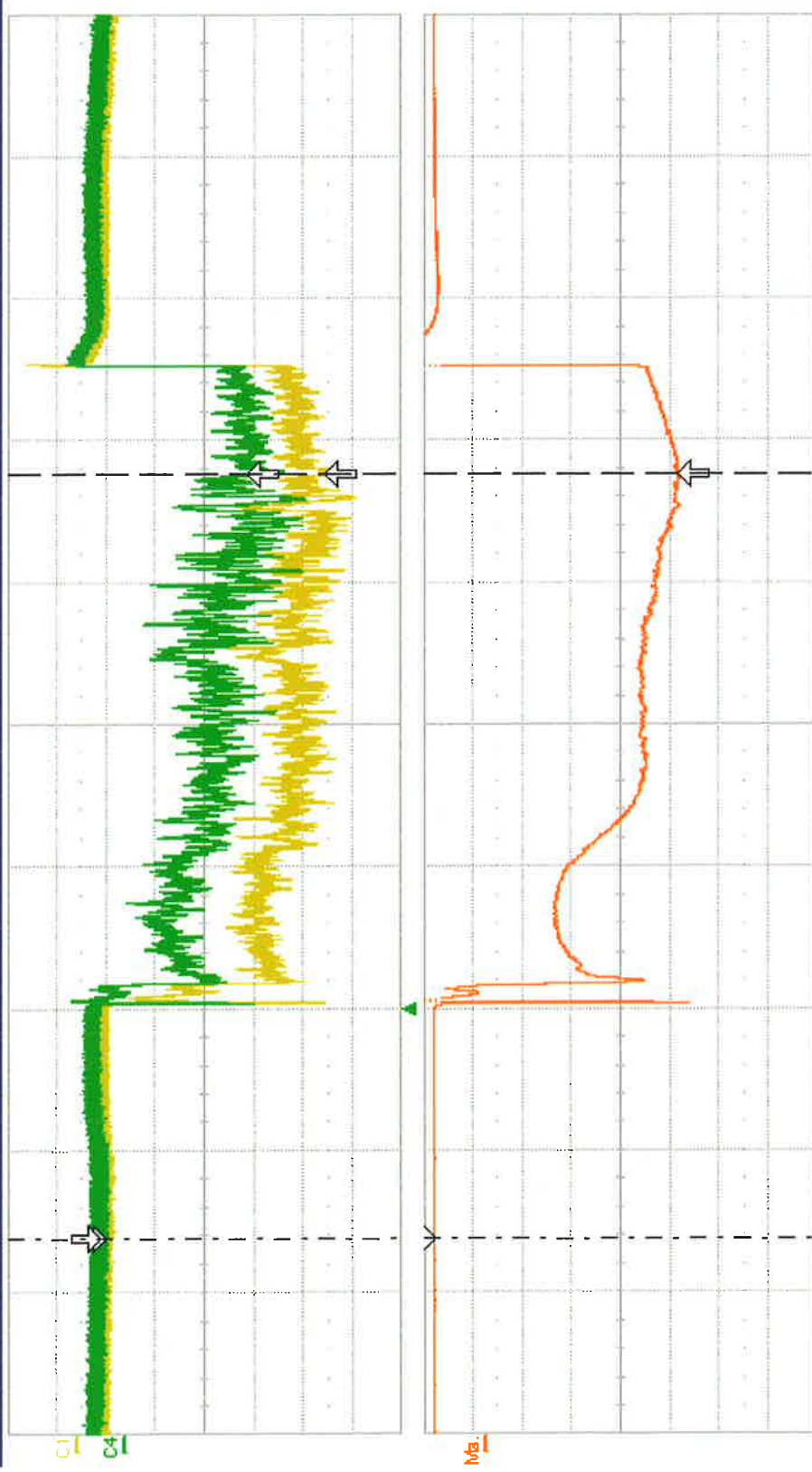
TELEDYNE LECROY

10/20/2020 11:35:14 AM



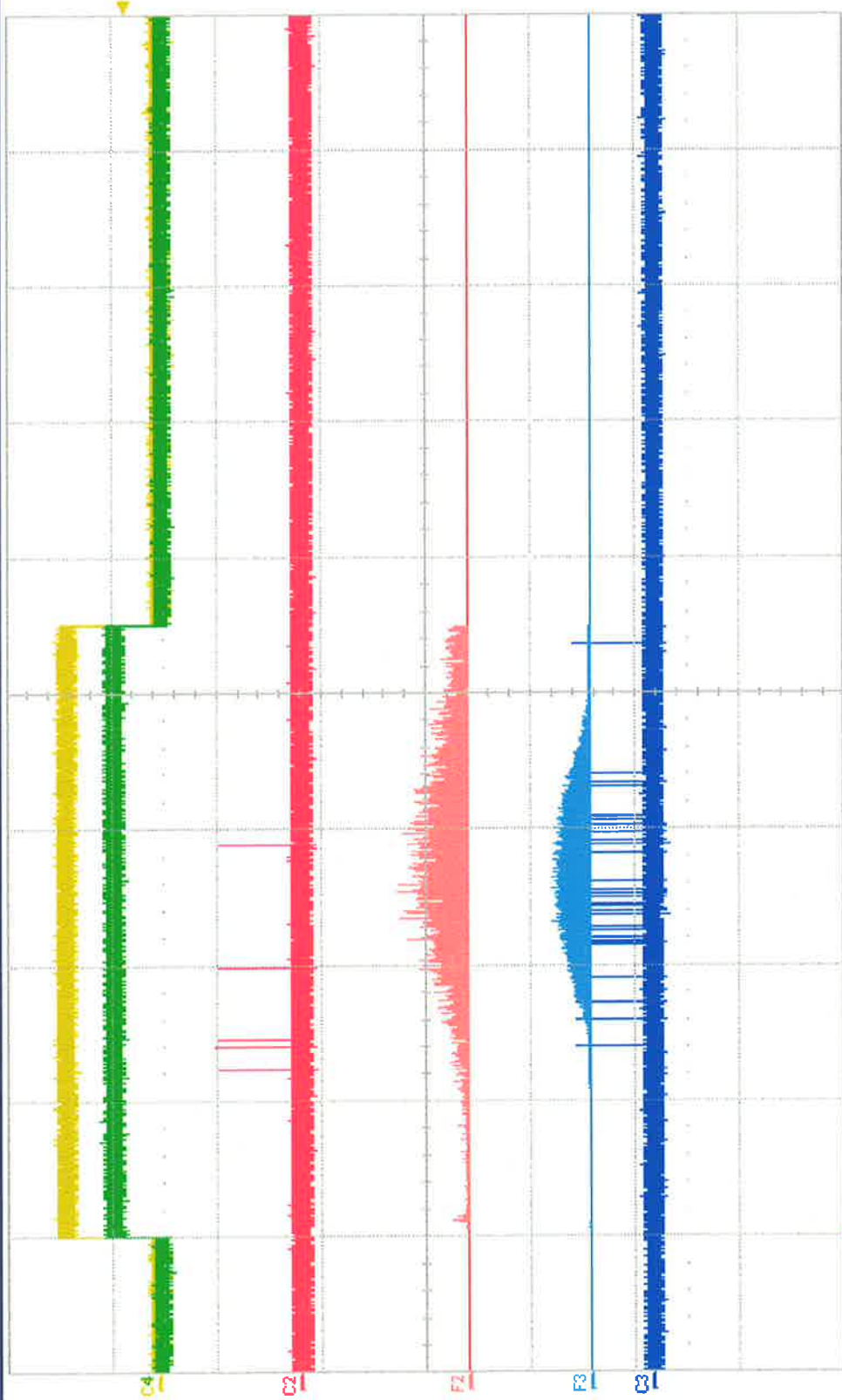
C1	DCIM	C4	DCIM	Math	<C4>
5.00 mV/div	13.00 mV/div	5.00 mV/div	8.00 mV/div	3.00 mV/div	3.00 mV/div
-2.68 mV	-23.06 mV	2.94 mV	-13.62 mV	1.00 mV/div	1.00 mV/div
-20.39 mV	-20.39 mV	-16.56 mV	-16.56 mV	535 #	535 #
Δy	Δy	Δy	Δy	Δy	Δy

Timebase	-2.00 ms	Trigger	Ext.10 DC
1.00 ms/div	Normal	Edge	700 mV
2.00 MS	200 MS/s	Edge	Negative
X1=	-1.623375 ms	ΔX=	5.031590 ms
X2=	3.408215 ms	1/ΔX=	198.7443 Hz



C1	C4	Math
5.00 mV/div	5.00 mV/div	3.00 mV/div
13.00 mV ofst	8.00 mV ofst	1.00 mV/div
1	1	776 #
-2.42 mV	3.55 mV	3.1168 mV
-22.58 mV	-10.83 mV	-11.8302 mV
-20.16 mV	-14.37 mV	-14.8491 mV
Δy	Δy	Δy

Timebase	-2.00 ms	Trigger	Ext10 [DC]
1.00 ms/div	Normal	700 mV	Negative
2.00 MS	200 MS/s	Edge	
X1=	-1.623375 ms	$\Delta X=$	5.384085 ms
X2=	3.760710 ms	$1/\Delta X=$	185.7326 Hz



Timebase -4.00 ms Trigger 0100
 1.00 ms/div Normal 1.85 V
 500 kS 50 MS/s Edge Positive

F3 peris...
 5.00 k#
 1.0 ms
 288 k#

F2 peris...
 200 #
 1.0 ms
 21.7 k#

C4 10.0 V
 25.30 V

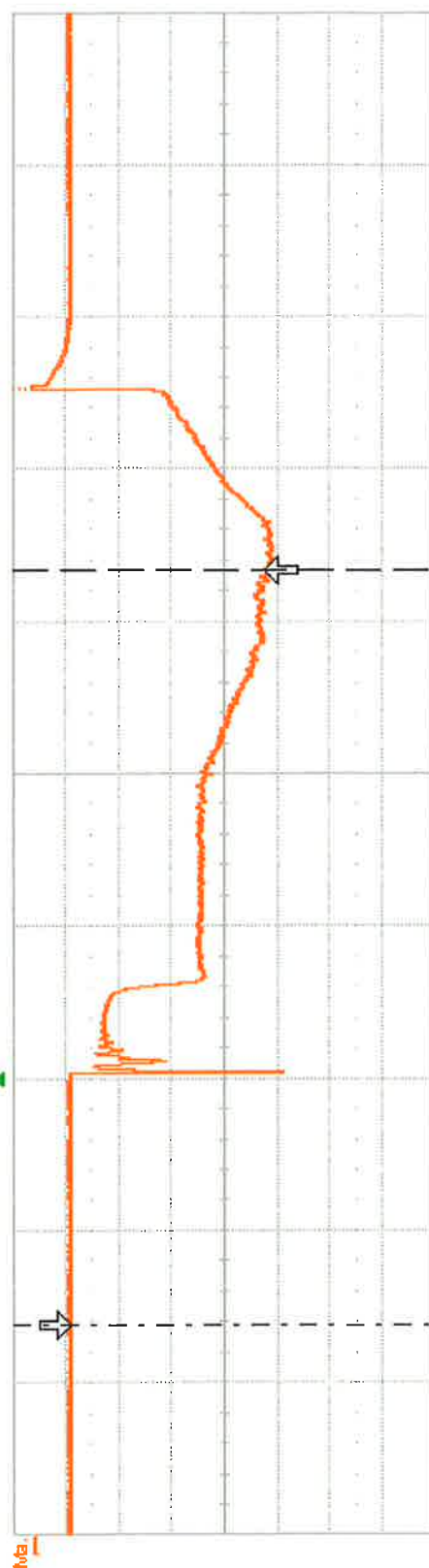
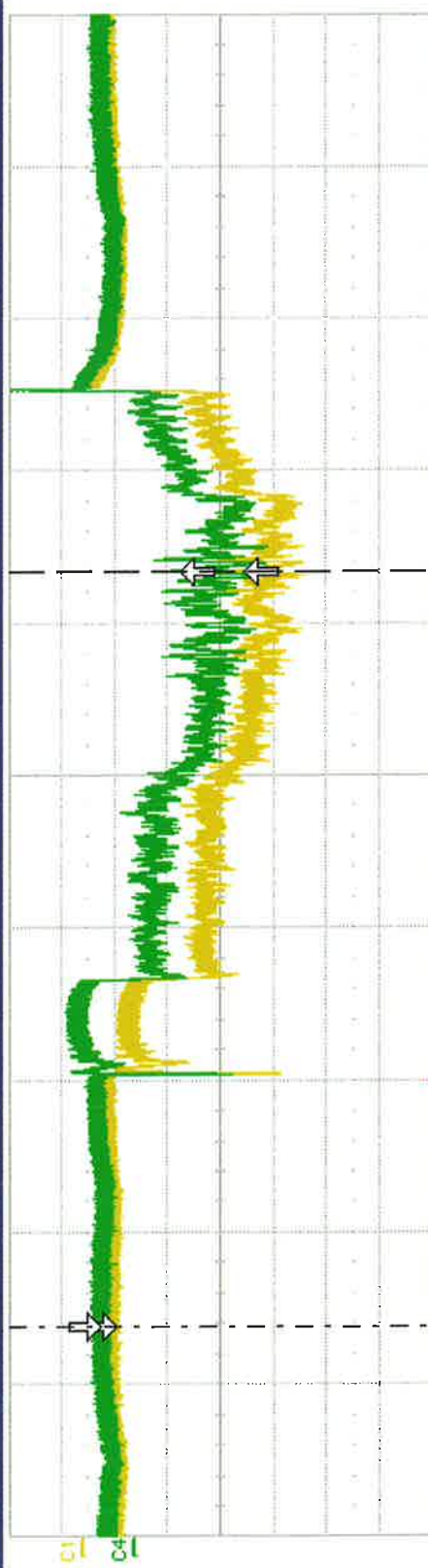
C3 5.00 V
 -11.0 V

C2 5.00 V
 5.95 V

C1 5.00 V
 12.70 V

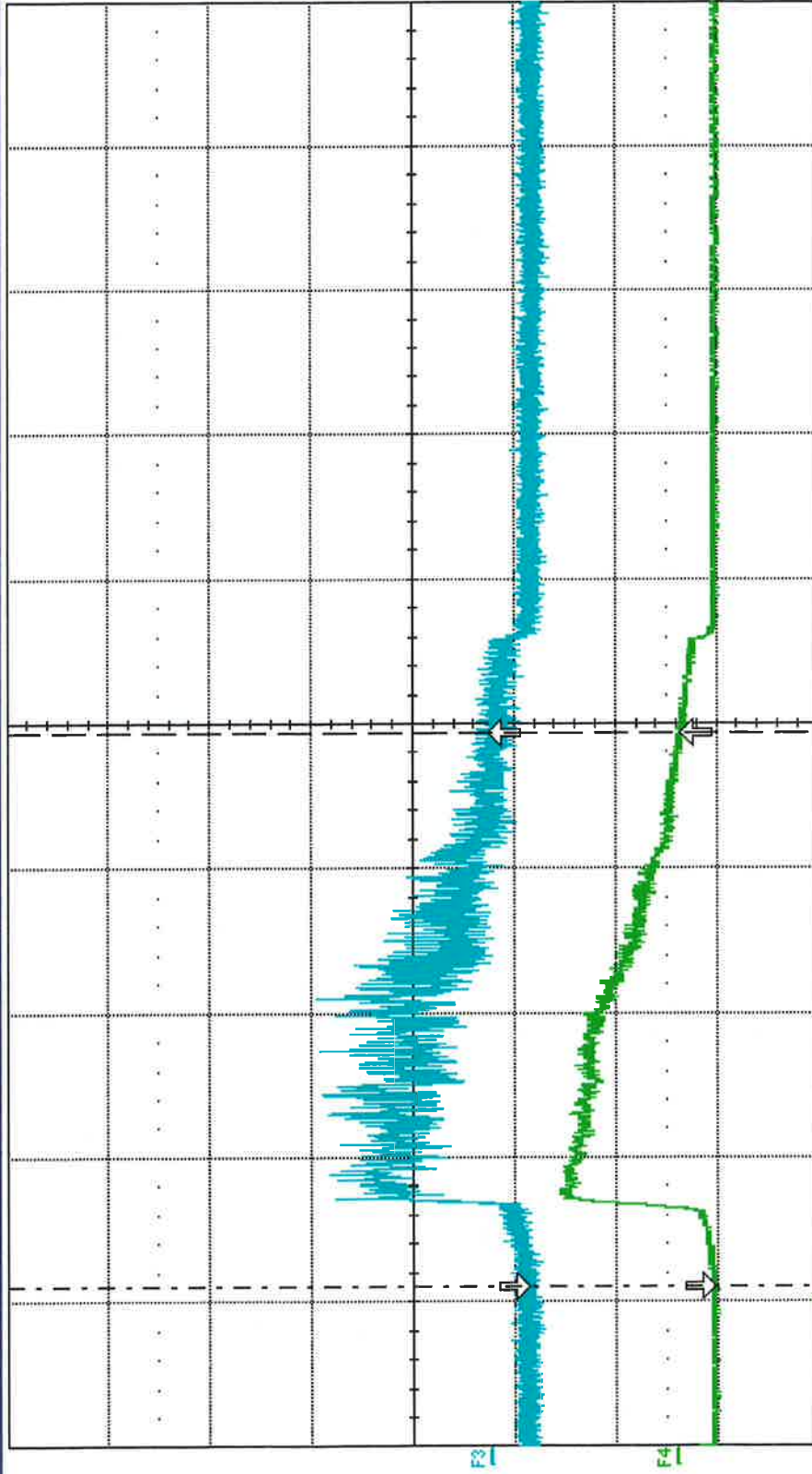
TELEDYNE LECROY

10/20/2020 11:51:56 AM



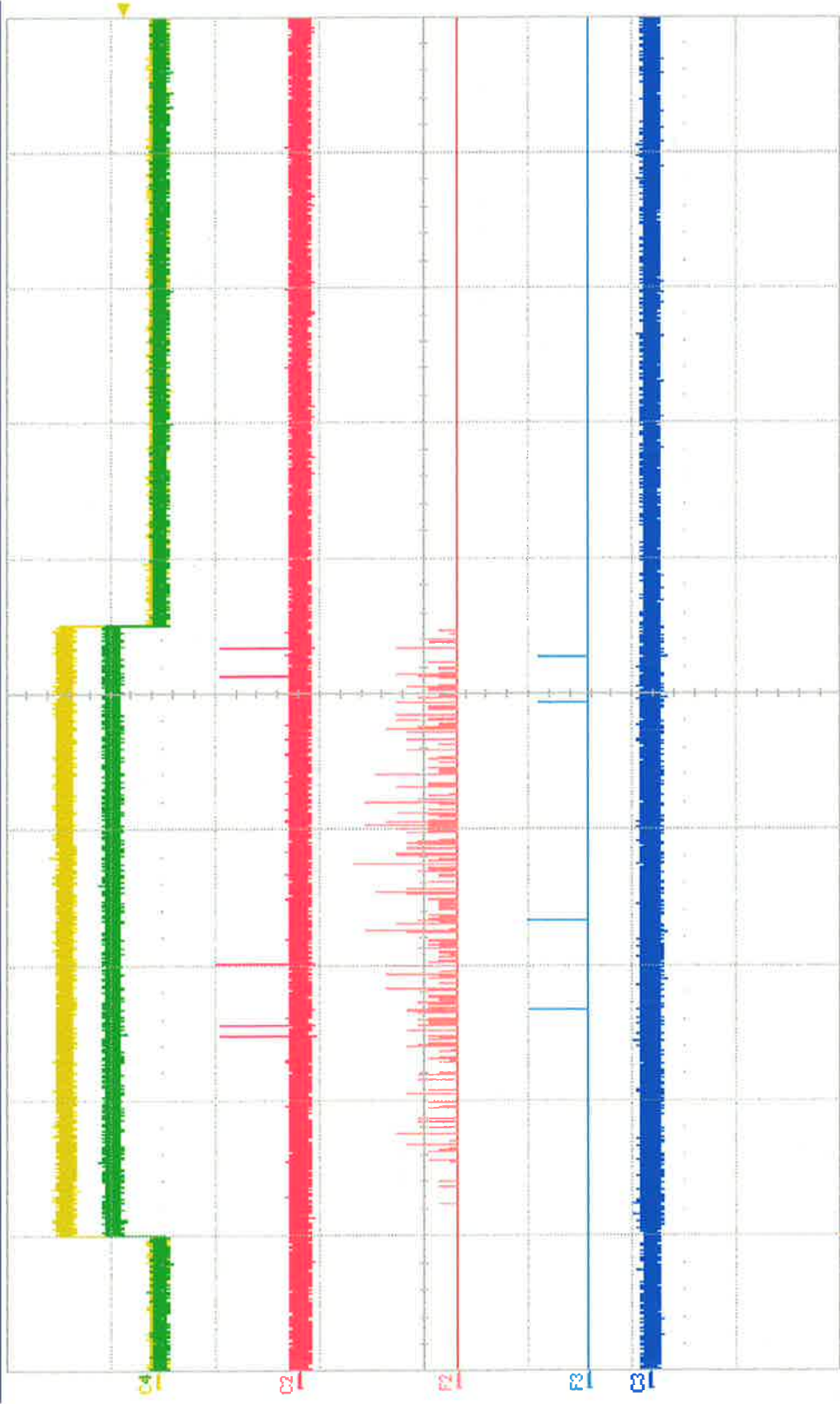
C1	DCIM	C4	DCIM	Math	<C1>
5.00 mV/div	5.00 mV/div	5.00 mV/div	5.00 mV/div	4.00 mV/div	4.00 mV/div
13.00 mV ofst	13.00 mV ofst	8.00 mV ofst	8.00 mV ofst	1.00 mV/div	1.00 mV/div
↓	↓	↓	↓	↓	↓
-2.97 mV	-2.97 mV	3.55 mV	3.55 mV	-2.5531 mV	-2.5531 mV
↑	↑	↑	↑	↑	↑
-15.50 mV	-15.50 mV	-4.38 mV	-4.38 mV	-17.3958 mV	-17.3958 mV
Δy	Δy	Δy	Δy	Δy	Δy
-12.53 mV	-12.53 mV	-7.93 mV	-7.93 mV	-14.8437 mV	-14.8437 mV

Timebase	-2.00 ms	Trigger	Ext10	DC
1.00 ms/div	1.00 ms/div	Normal	700 mV	Negative
2.00 MS	200 MS/s	Edge		
X1=	-1.623375 ms	ΔX=	4.961000 ms	
X2=	3.337625 ms	1/ΔX=	201.5723 Hz	



F3 script(C3,C2) F4 <F3>
 1.00/div 1.00/div
 1.00 ms/div 1.00 ms/div
 35 #
 -353.48e-3
 -39.66e-3
 372e-3 313.82e-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= 83.6 μs ΔX= 3.8298 ms
 X2= 3.8934 ms 1/ΔX= 261.11 Hz



Channel	Probe	Level	Unit	Trigger	Edge	Level
C1	D1	5.00 V	12.70 V	Normal	Edge	Positive
C2	D1	5.00 V	5.95 V	Normal	Edge	Positive
C3	D1	5.00 V	-11.0 V	Normal	Edge	Positive
C4	D1	10.0 V	25.30 V	Normal	Edge	Positive
F3	peris...	10.0 #	1.0 ms	Normal	Edge	Positive
F2	peris...	10.0 #	1.0 ms	Normal	Edge	Positive
F3	peris...	10.0 #	1.0 ms	Normal	Edge	Positive