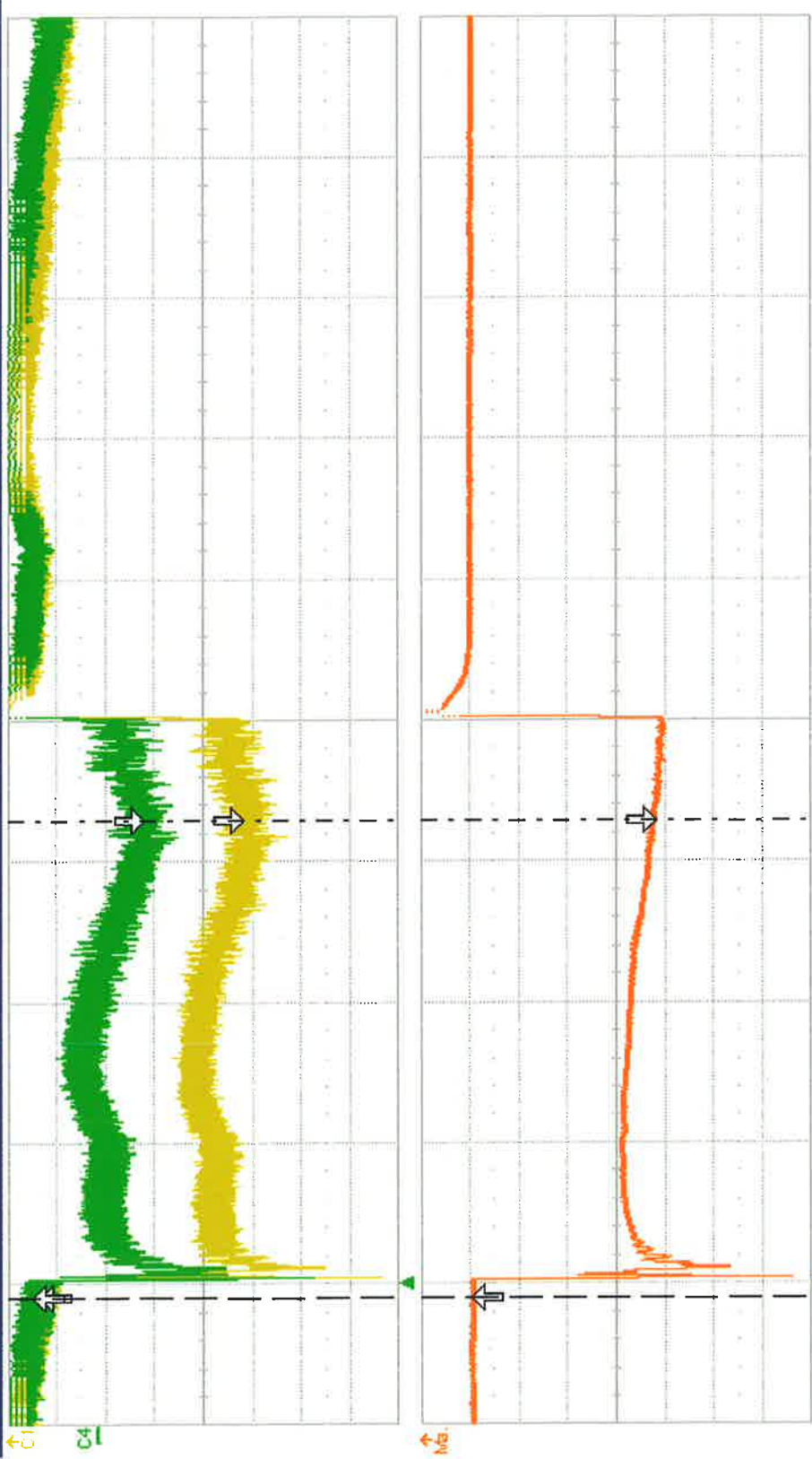


C1	DCIM3	C4	DCIM4	Math	<C4>
2.00 mV/div	2.00 mV/div	2.00 mV/div	2.00 mV/div	1.00 mV/div	1.00 mV/div
9.100 mV ofst	4.300 mV ofst	4.300 mV ofst	4.300 mV ofst	1.00 mV ofst	1.00 mV ofst
-9.669 mV	-9.669 mV	-9.669 mV	-9.669 mV	-809.5 μV	-809.5 μV
-2.353 mV	-2.353 mV	-2.353 mV	-2.353 mV	2.7252 mV	2.7252 mV
Δy 7.316 mV	Δy 3.196 mV	Δy 3.196 mV	Δy 3.196 mV	Δy 3.5347 mV	Δy 3.5347 mV

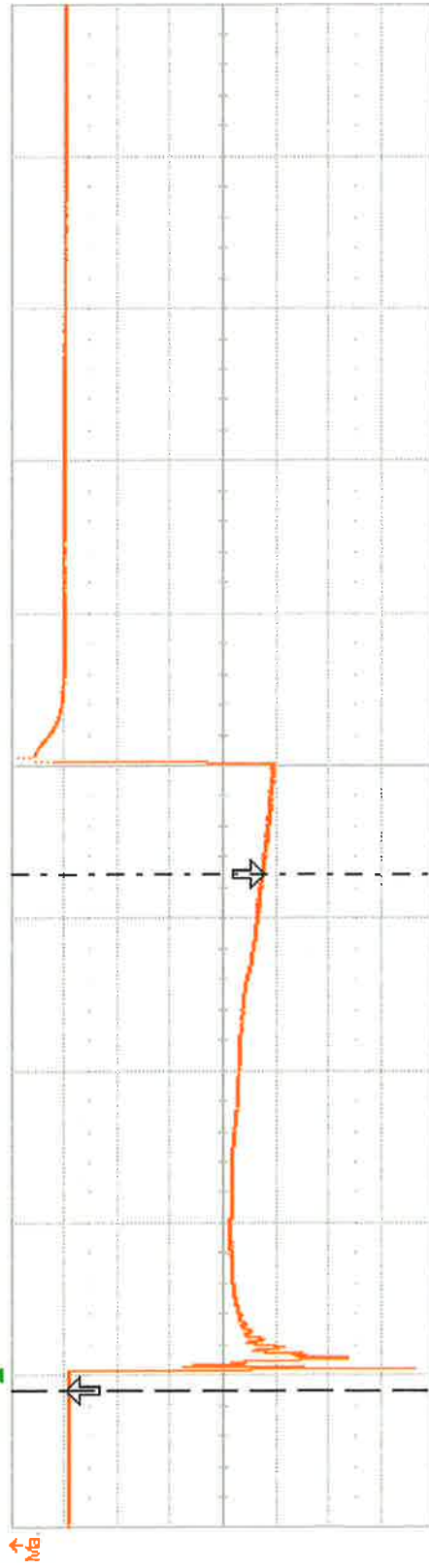
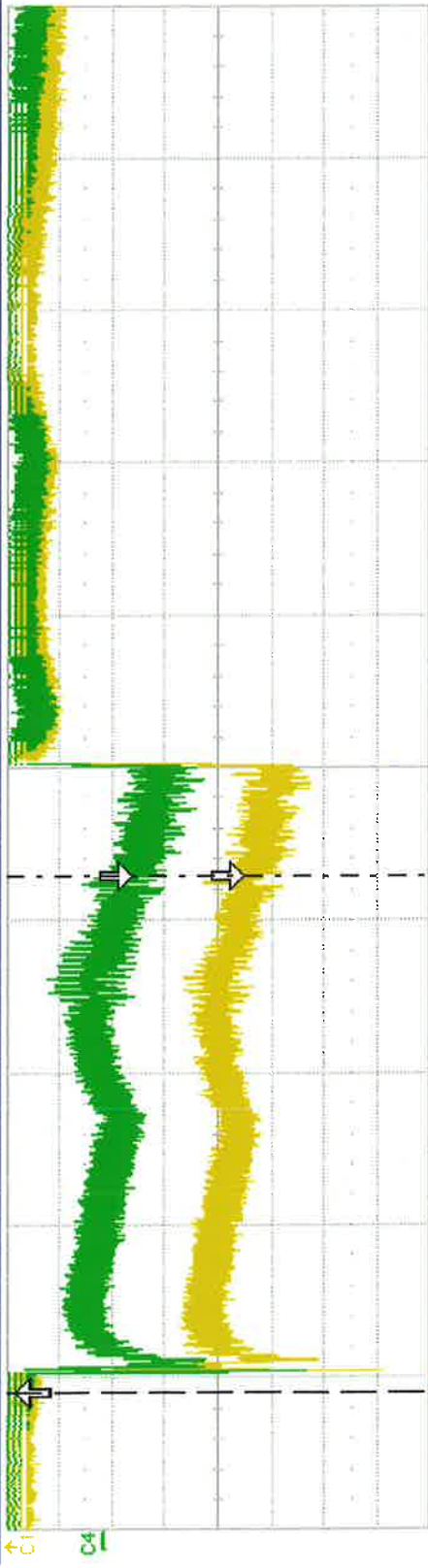
Timebase	-4.00 ms	Trigger	Edge	Normal	700 mV	Extr10	OC
2.00 MS	1.00 ms/div	Normal	Edge	Normal	700 mV	Negative	
X1=	3.293210 ms	ΔX=	-3.396850 ms				
X2=	-103.640 μs	1/ΔX=	-294.3904 Hz				



Timebase	-4.00 ms	Trigger	Ext/10	DC
1.00 ms/div		Normal		700 mV
2.00 MS		Edge		Negative
X1=	3.293210 ms	$\Delta X=$	-3.398850 ms	
X2=	-103.640 $\mu$ s	1/ $\Delta X=$	-294.3904 Hz	

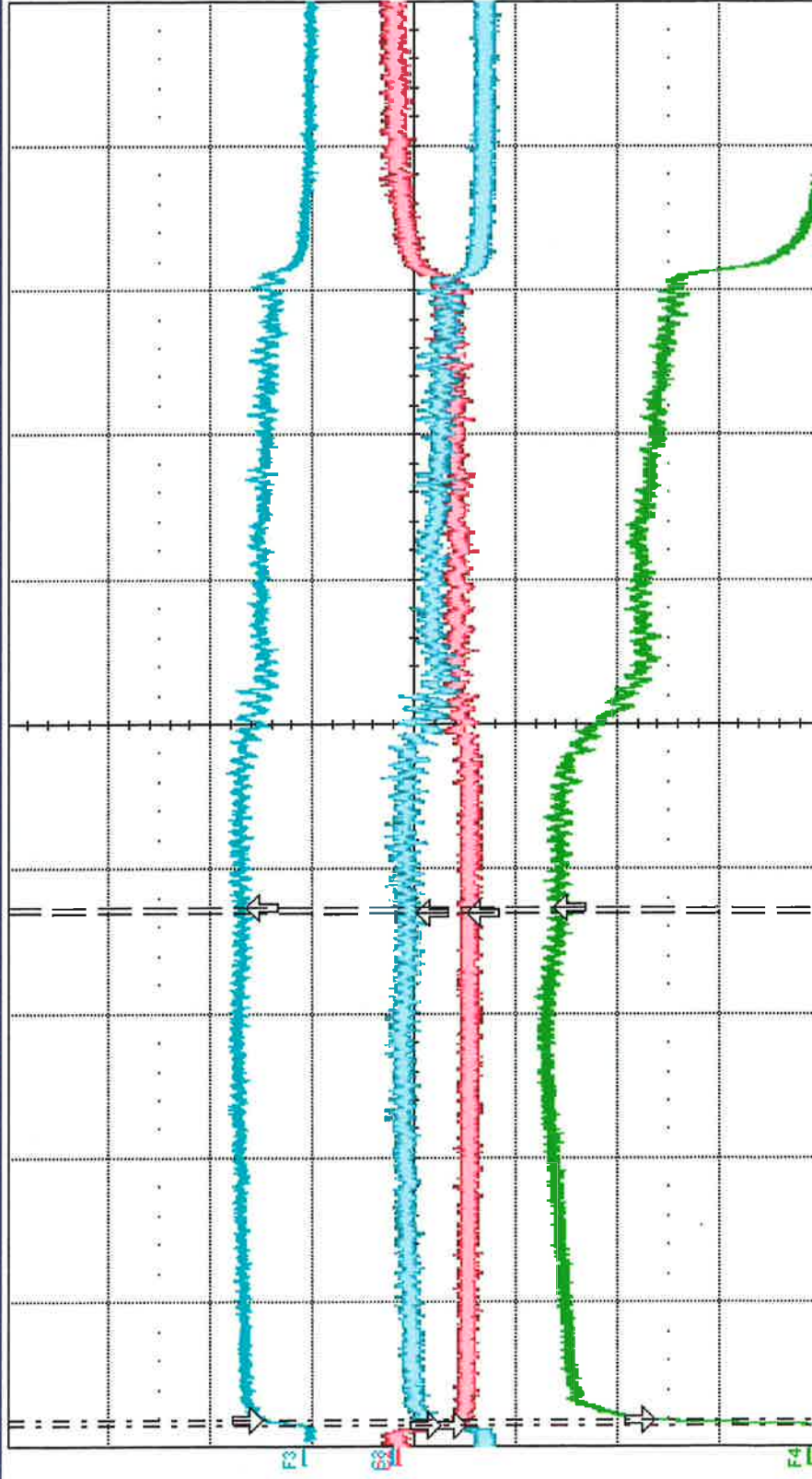
C1	DCIM	C4	DCIM	Math	<C1>
2.00 mV/div		2.00 mV/div			
9.100 mV ofst		4.300 mV ofst			
$\Delta y$	-10.696 mV	$\Delta y$	-1.758 mV		
	-2.463 mV		2.608 mV		
	8.233 mV		4.396 mV		



C1	C4	Math
2.00 mV/div	2.00 mV/div	2.00 mV/div
9.100 mV ofst	4.300 mV ofst	1.00 mV/div
↑	↑	↑
-8.996 mV	-1.016 mV	398 #
↑	↑	↑
-1.587 mV	3.297 mV	-8.8503 mV
Δy	Δy	Δy
8.409 mV	4.313 mV	2.5188 mV
		7.3345 mV

Timebase	-4.00 ms	Trigger	Ext10 DC
1.00 ms/div	Normal	700 mV	Negative
2.00 MS	200 MS/s	Edge	
X1=	3.293210 ms	ΔX=	-3.396850 ms
X2=	-103.640 μs	1/ΔX=	-294.3904 Hz

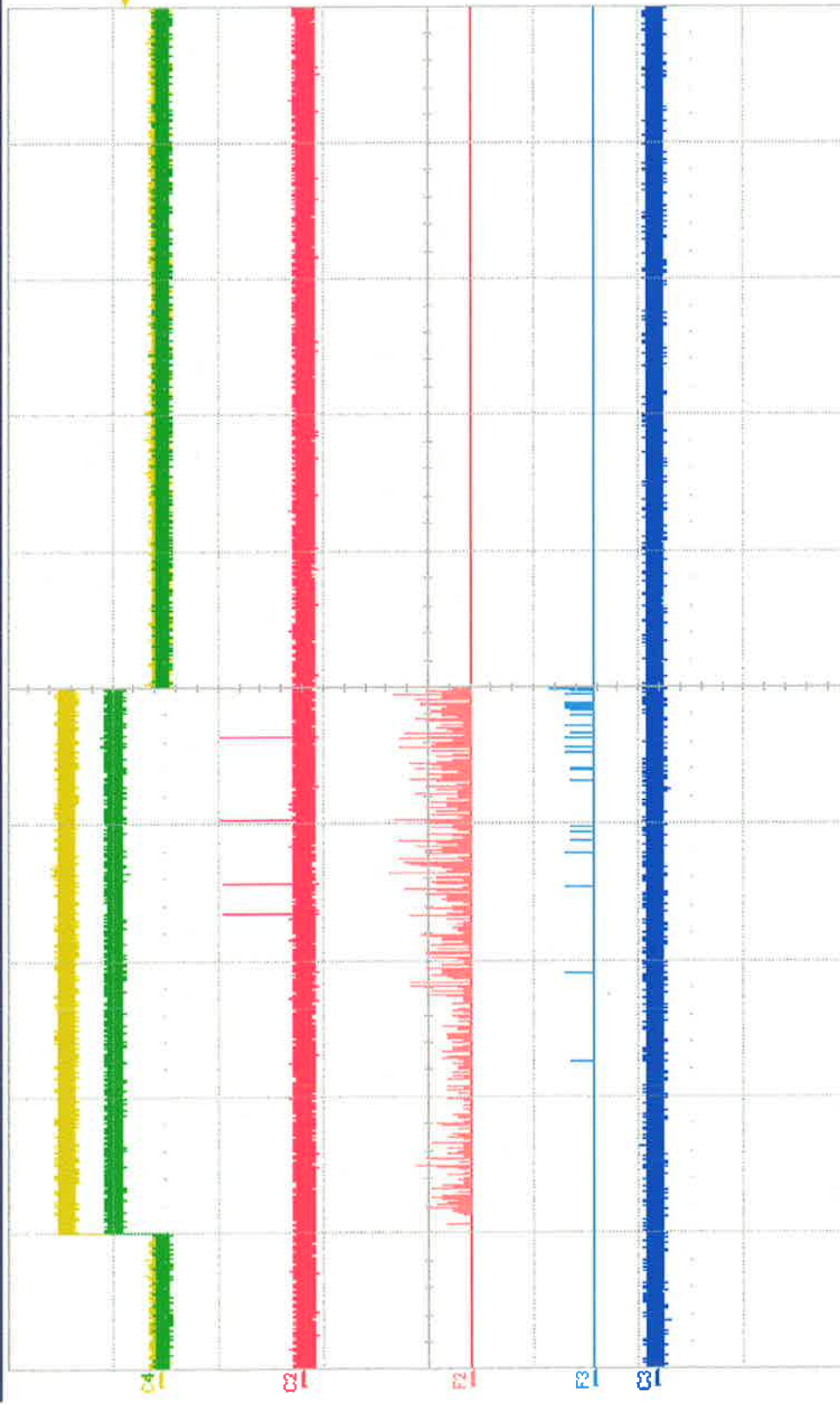




<b>C2</b>	<b>DC1M</b>	500 mV/div 75 mV offset	↓ -323 mV ↑ -348 mV Δy -25 mV
<b>C3</b>	<b>DC1M</b>	500 mV/div 100 mV offset	↓ -220 mV ↑ -116 mV Δy 104 mV
<b>F3</b>	<b>script(C3,C2)</b>	2.00/div 500 μs/div	↓ 873e-3 ↑ 1.148 Δy 275e-3
<b>F4</b>	<b>&lt;F3&gt;</b>	500e-3/div 500 μs/div	↓ 772.49e-3 ↑ 1.25242 Δy 479.93e-3

<b>Tbase</b>	-2.50 ms	<b>TriggerExt</b>	10 DO
<b>WStream</b>	500 μs	<b>Normal</b>	30 mV
<b>50.0 kS</b>	10 MS/s	<b>Edge</b>	Negative
<b>X1=</b>	76.1 μs	<b>ΔX=</b>	1.7676 ms
<b>X2=</b>	1.8437 ms	<b>1ΔX=</b>	565.74 Hz

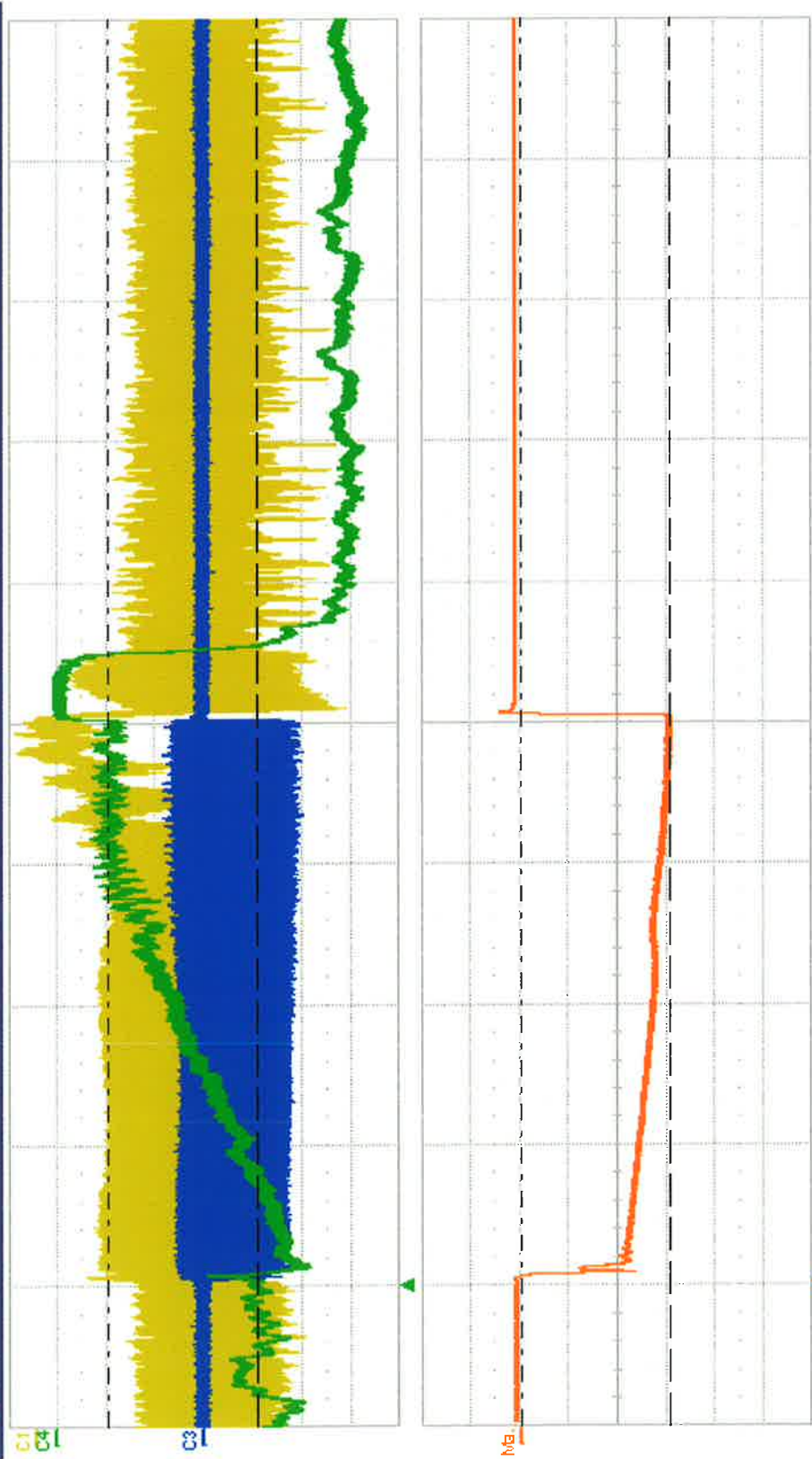


Tbase -4.00 ms  
 1.00 ms/div  
 500 kS  
 Trigger C1 DC  
 Normal 1.05 V  
 Edge Positive

C1 D1 5.00 V 12.70 V  
 C2 D2 5.00 V 5.95 V  
 C3 D3 5.00 V -11.0 V  
 C4 D4 10.0 V 25.30 V  
 F2 peris... 20.0 # 1.0 ms 1.62 k#  
 F3 peris... 20.0 # 1.0 ms 136 #

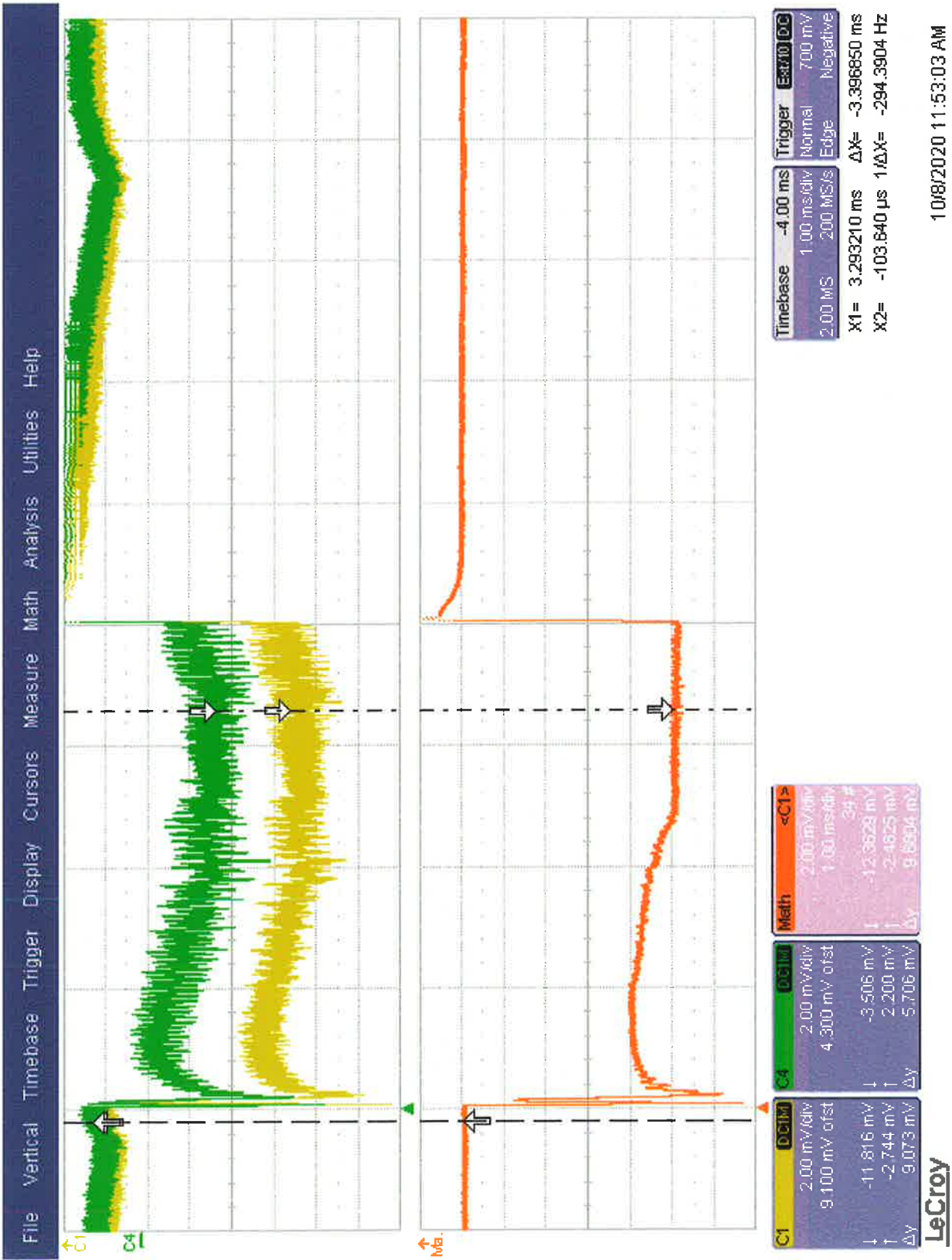
TELEDYNE LECROY

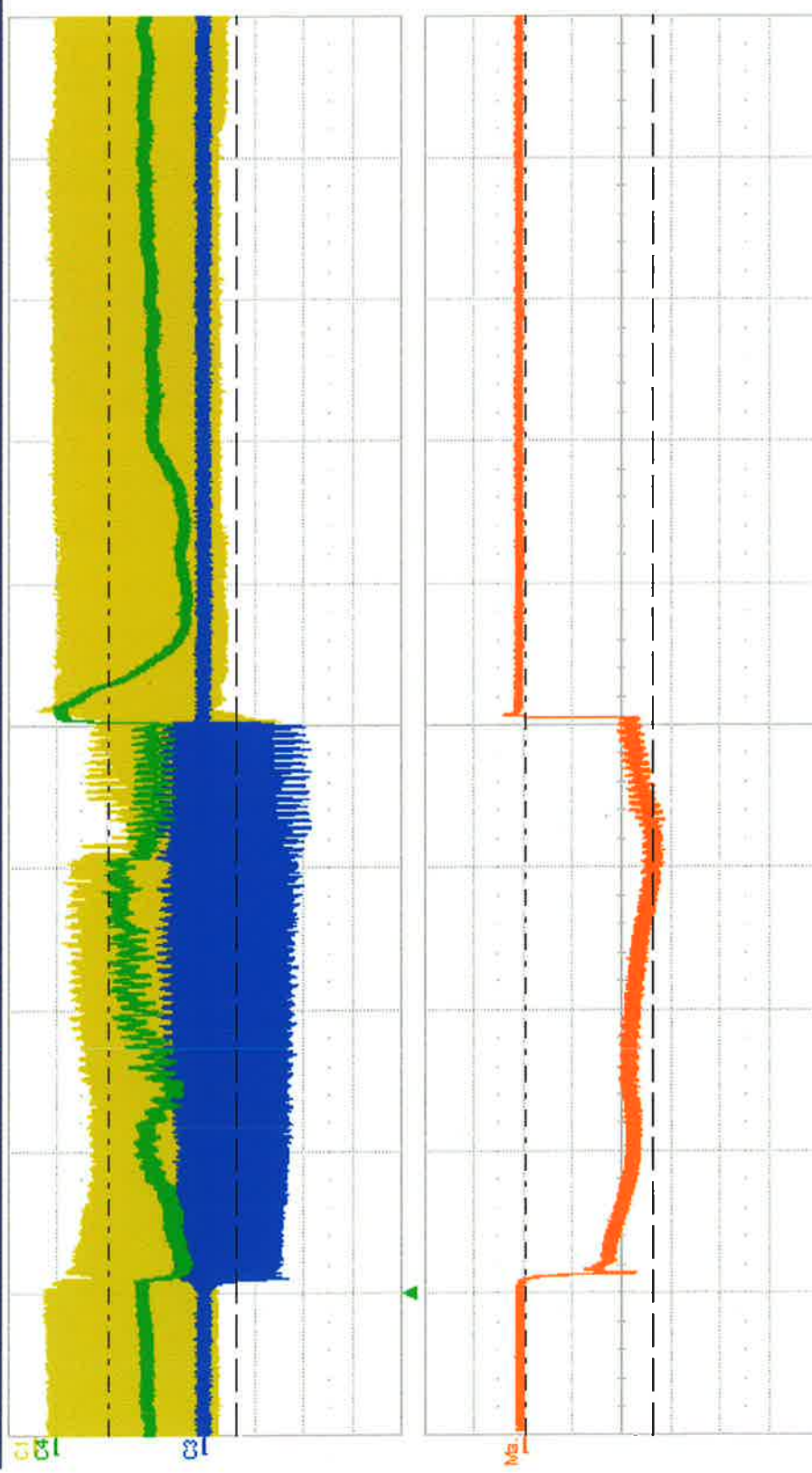
10/8/2020 11:52:03 AM



<b>C1</b>	DCIM	200 mV/div	680.0 mV ofst	---	---	---	---	Δy
				-288 mV	-896 mV	-608 mV		
<b>C3</b>	DCIM	5.00 A/div	0.00 A offset	---	---	---	---	Δy
				9.80 A	-5.40 A	-15.20 A		
<b>C4</b>	DCIM	100 V/div	300.0 V offset	---	---	---	---	Δy
				-104 V	-408 V	-304 V		
<b>Math</b>	<C3>	1.00 A/div	1.00 ms/div	---	---	---	---	Δy
				1.086 k#	0.00 A	-3.04 A		
<b>Timebase</b>	4.00 ms	1.00 MS	100 MS/s					
<b>Trigger</b>	Normal	Edge	Negative					







Timebase 4.00 ms  
1.00 ms/div  
1.00 MS

Trigger Normal  
Edge  
Negative

C1 DCIM 200 mV/div 680.0 mV offset  
-288 mV  
-810 mV  
 $\Delta y$  -522 mV

C3 5.00 A/div 0.00 A offset  
9.80 A  
-3.25 A  
 $\Delta y$  -13.05 A

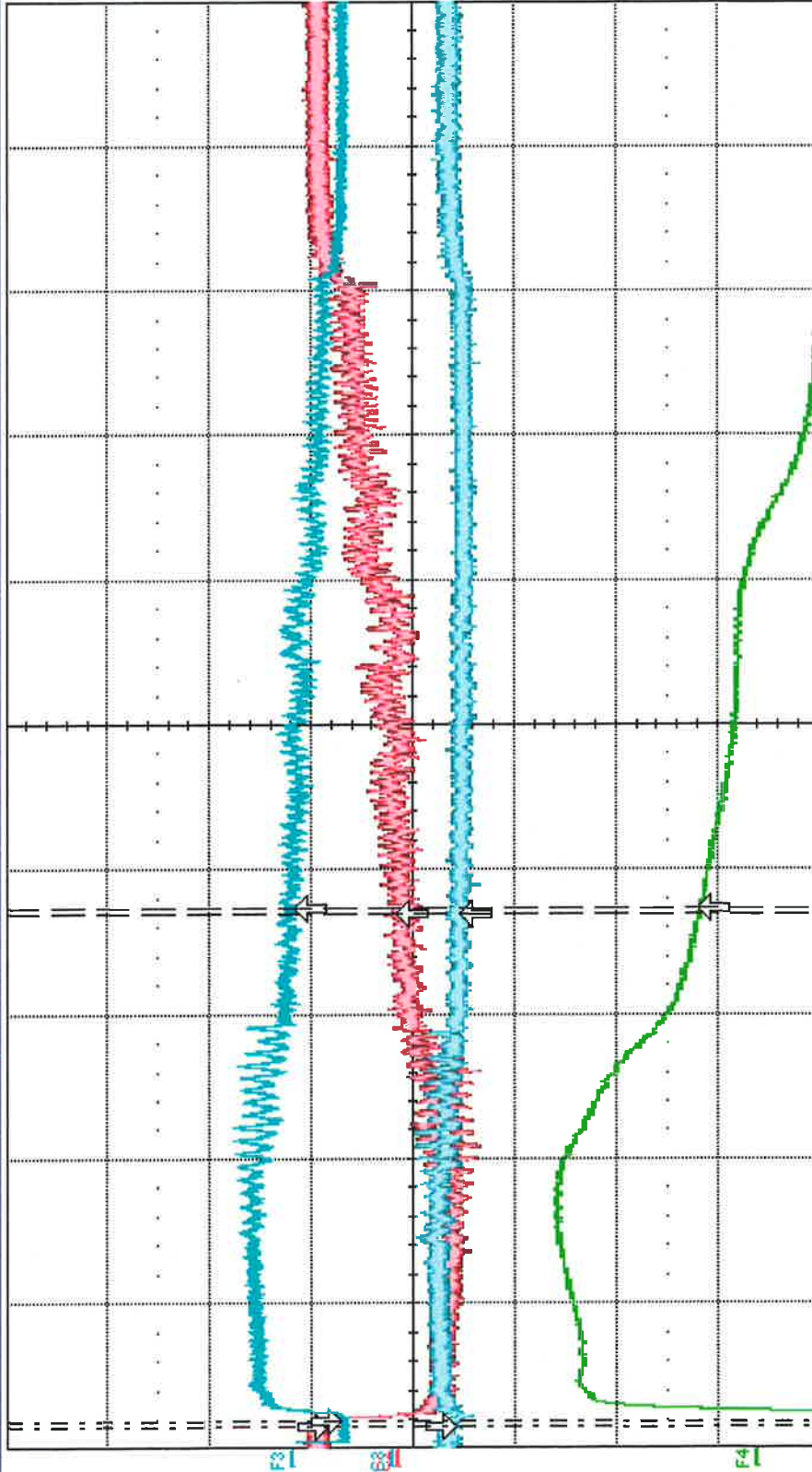
C4 DCIM 100 V/div 300.0 V offset  
-104 V  
-365 V  
 $\Delta y$  -261 V

Math <C3>  
1.00 A/div  
1.00 ms/div  
117 #  
0.00 A  
-2.61 A  
 $\Delta y$  -2.61 A

10/8/2020 11:56:30 AM

LeCroy





<b>C2</b>	<b>DCIM</b>	500 mV/div 75 mV offset	351 mV -5 mV	Δy -356 mV
<b>C3</b>	<b>DCIM</b>	500 mV/div 100 mV offset	-308 mV -340 mV	Δy -32 mV
<b>F3</b>	<b>script(C3,C2)</b>	2.00/div 500 μs/div	-950e-3 -85e-3	Δy 865e-3
<b>F4</b>	<b>&lt;F3&gt;</b>	500e-3/div 500 μs/div	-719.03e-3 283.36e-3	Δy 1.00240

<b>Thase</b>	-2.50 ms	<b>TriggerExt/IO</b>	DC
<b>WStream</b>	500 μs	<b>Normal</b>	30 mV
<b>50.0 kS</b>	10 MS/s	<b>Edge</b>	Negative
<b>X1=</b>	76.1 μs	<b>ΔX=</b>	1.7676 ms
<b>X2=</b>	1.8437 ms	<b>1ΔX=</b>	565.74 Hz

8-Oct-20

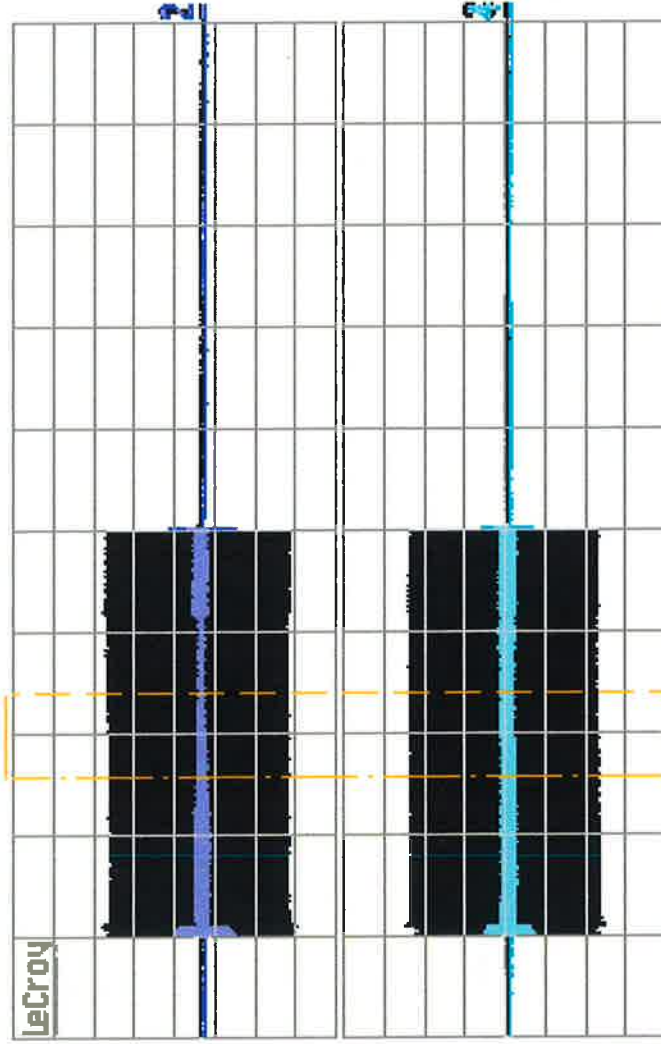
11:58:28

1 1 ms  
200 mV

2 1 ms  
200 mV

3 1 ms  
200 mV

4 1 ms  
200 mV



349 sweeps:				
rms(1)	average	low	high	sigma
rms(2)	316.9mV	313.9	321.6	1.6
rms(3)	17.8mV	11.2	22.8	2.5
rms(4)	328.5mV	325.4	331.4	1.4
phase(1,3)	25.6mV	21.5	30.0	2.0
	78 °	28	134	36

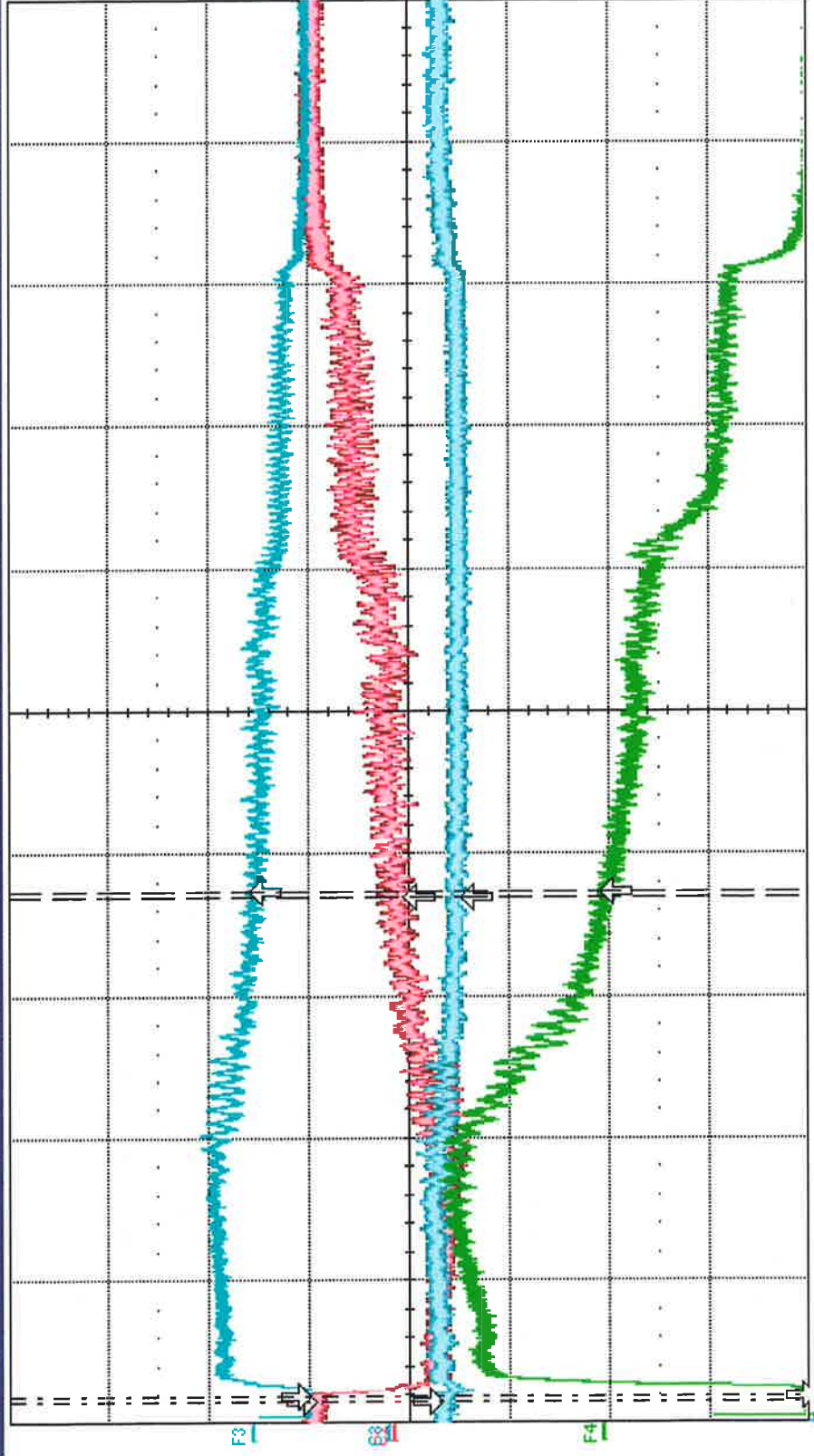
1 ms

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

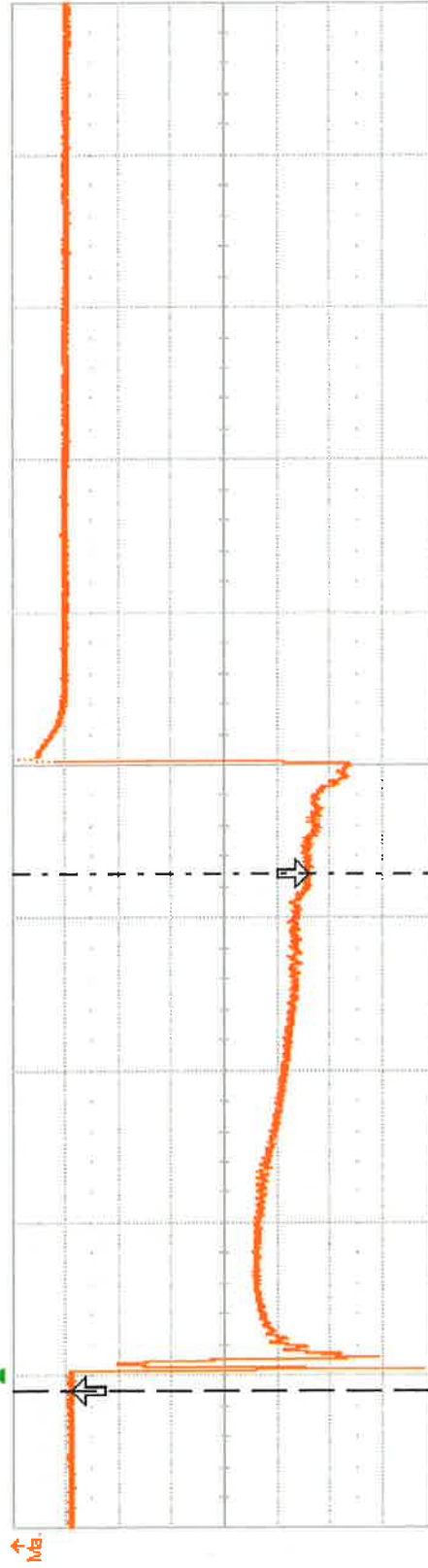
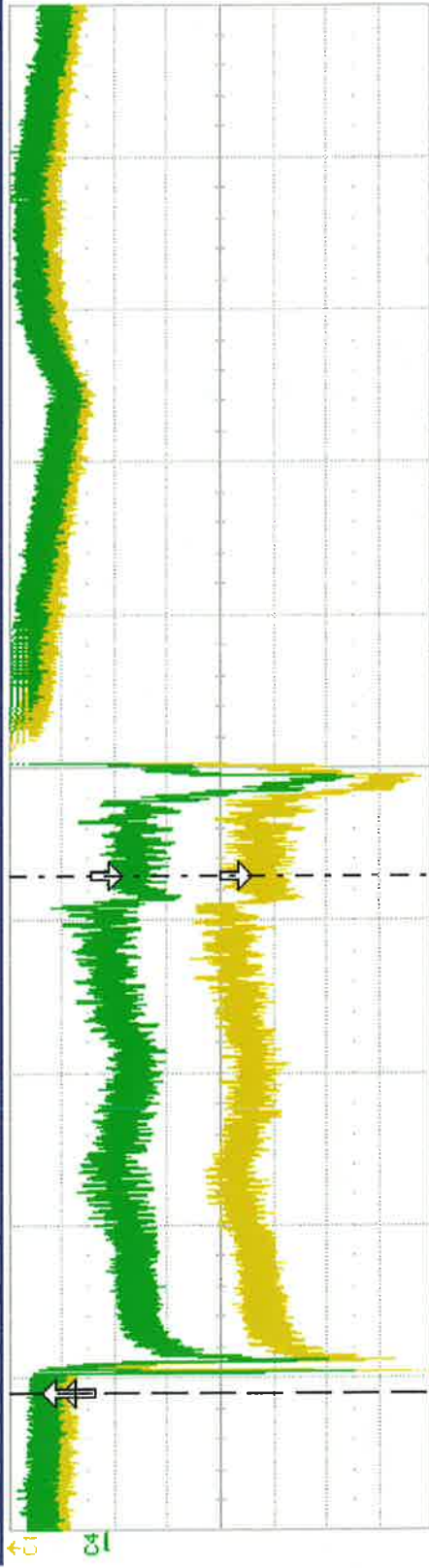
☐ NORMAL



Tbase -2.50 ms Trigger Ext/IO DC  
 WStream 500  $\mu$ s Normal 30 mV  
 50.0 kS 1.0 MS/s Edge Negative  
 X1= 76.1  $\mu$ s  $\Delta$ X= 1.7676 ms  
 X2= 1.8437 ms 1 $\Delta$ X= 565.74 Hz

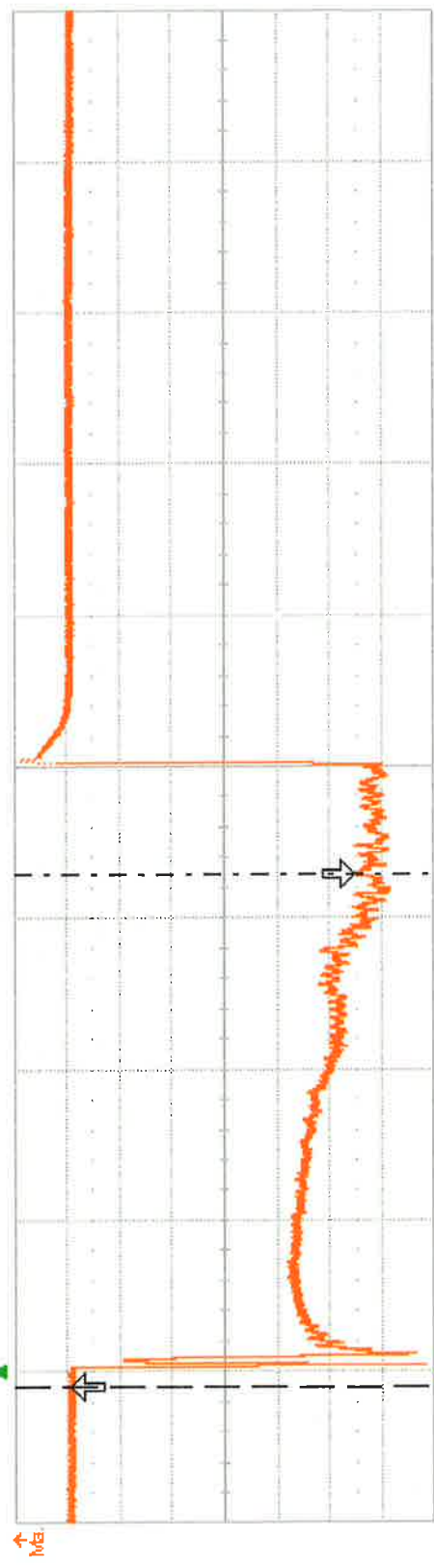
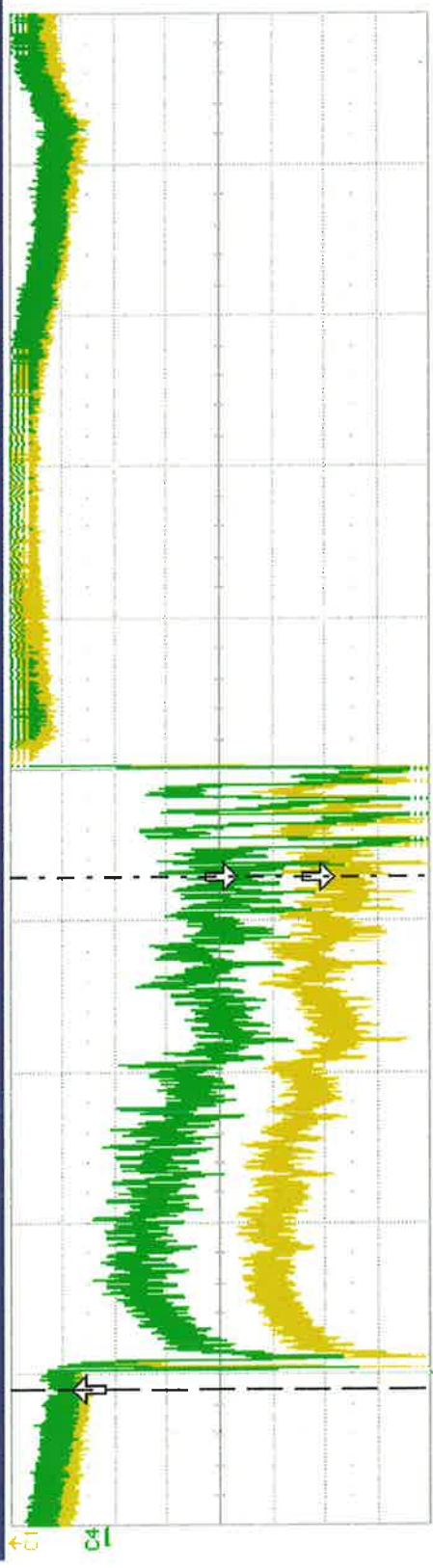
C2	DCIM	C3	script(C3,C2)	F3	<F3>
500 mV/div	500 mV/div	2.00/div	500 $\mu$ s/div	500e-3/div	500 $\mu$ s/div
75 mV offset	100 mV offset	500 $\mu$ s/div		500 $\mu$ s/div	
↓ 401 mV	↓ -260 mV	↓ -1.096	↓ -1.05930	↓ -1.05930	11 #
↑ -59 mV	↑ -365 mV	↑ 60e-3	↑ 2.87e-3	↑ 2.87e-3	
$\Delta$ y -460 mV	$\Delta$ y -105 mV	$\Delta$ y 1.156	$\Delta$ y 1.06217	$\Delta$ y	





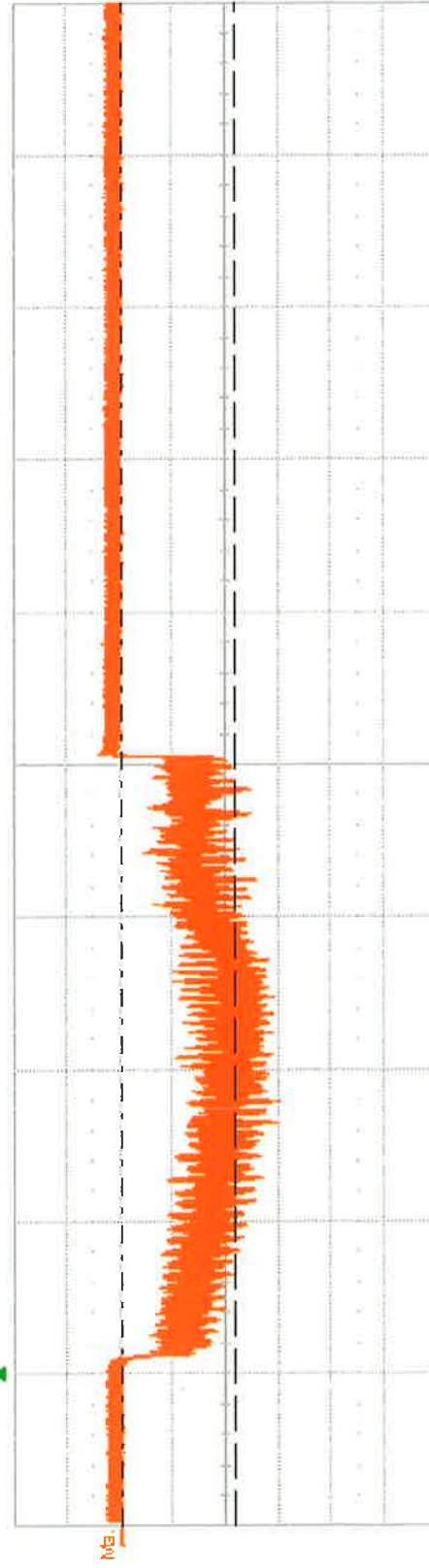
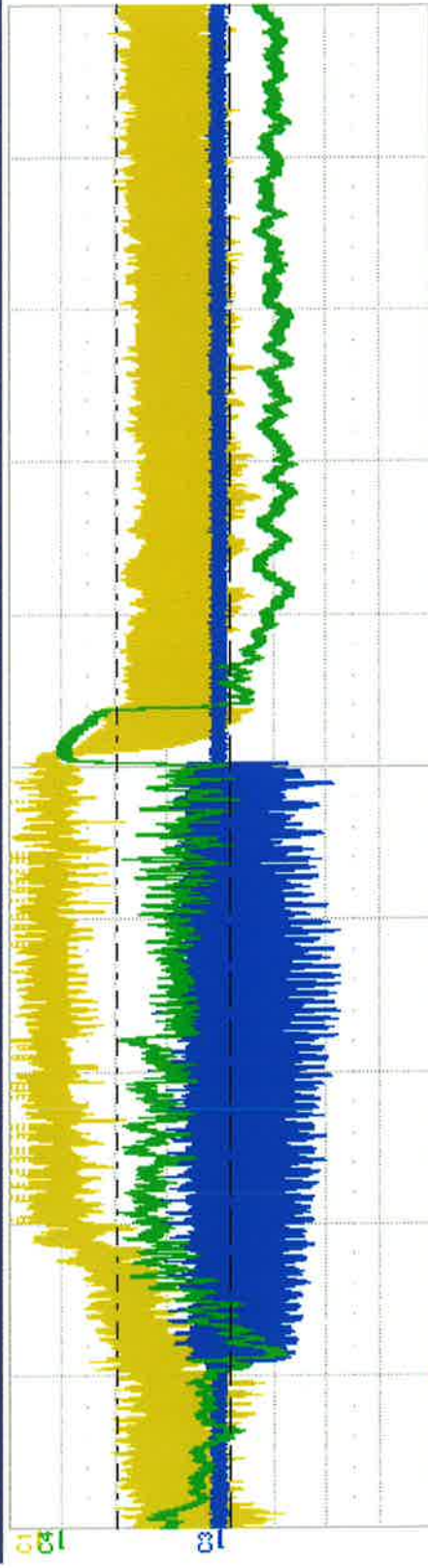
C1	DCIM	C4	DCIM	Math	<C1>
2.00 mV/div	2.00 mV/div	2.00 mV/div	2.00 mV/div	2.00 mV/div	2.00 mV/div
9.100 mV ofst	9.100 mV ofst	4.300 mV ofst	4.300 mV ofst	1.00 ms/div	1.00 ms/div
↑	↑	↑	↑	33 #	33 #
Δy	Δy	Δy	Δy	Δy	Δy
-10.199 mV	-10.199 mV	-537 μV	-537 μV	-11.4786 mV	-11.4786 mV
↑	↑	↑	↑	-2.5455 mV	-2.5455 mV
7.013 mV	7.013 mV	2.925 mV	2.925 mV	8.8330 mV	8.8330 mV

Timebase	-4.00 ms	Trigger	Ext10 DC
1.00 ms/div	1.00 ms/div	Normal	700 mV
2.00 MS	200 MS/s	Edge	Negative
X1=	3.293210 ms	ΔX=	-3.396850 ms
X2=	-103.640 μs	1/ΔX=	-294.3904 Hz



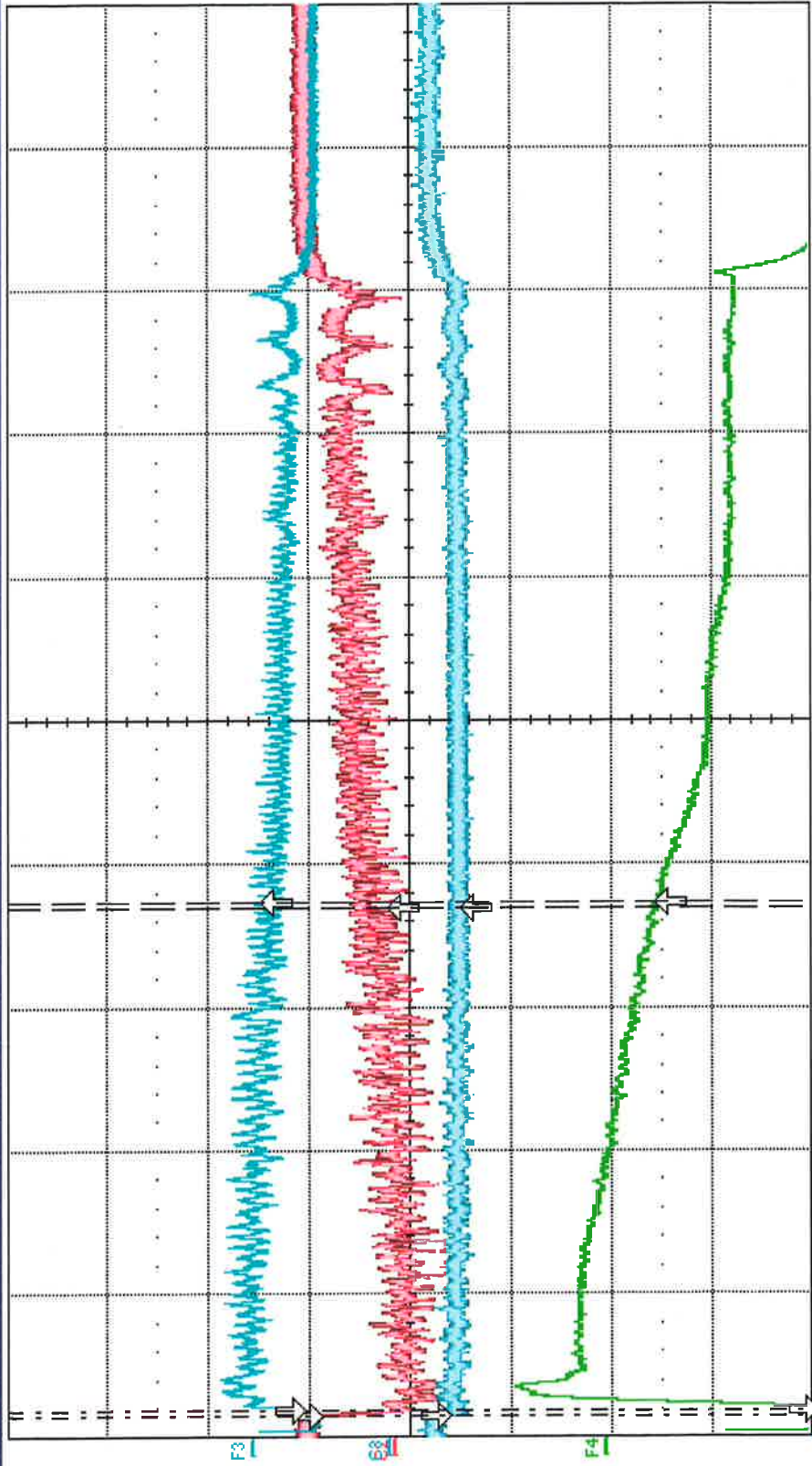
C1	DCIM	C4	DCIM	Math	<C1>
2.00 mV/div	2.00 mV/div	2.00 mV/div	2.00 mV/div	2.00 mV/div	2.00 mV/div
9.100 mV ofst	4.300 mV ofst	4.300 mV ofst	4.300 mV ofst	4.300 mV ofst	4.300 mV ofst
↑ -13.383 mV	↑ -4.903 mV	↑ -4.903 mV	↑ -13.3620 mV	↑ -13.3620 mV	↑ -13.3620 mV
↑ -3.516 mV	↑ 1.255 mV	↑ 1.255 mV	↑ -2.5361 mV	↑ -2.5361 mV	↑ -2.5361 mV
Δy 9.867 mV	Δy 6.158 mV	Δy 6.158 mV	Δy 10.7039 mV	Δy 10.7039 mV	Δy 10.7039 mV

Timebase	-4.00 ms	Trigger	Edge	Normal	700 mV	Negative
1.00 ms/div						
2.00 MS	200 MS/s					
X1= 3.293210 ms	ΔX= -3.396850 ms					
X2= -103.640 μs	1/ΔX= -294.3904 Hz					



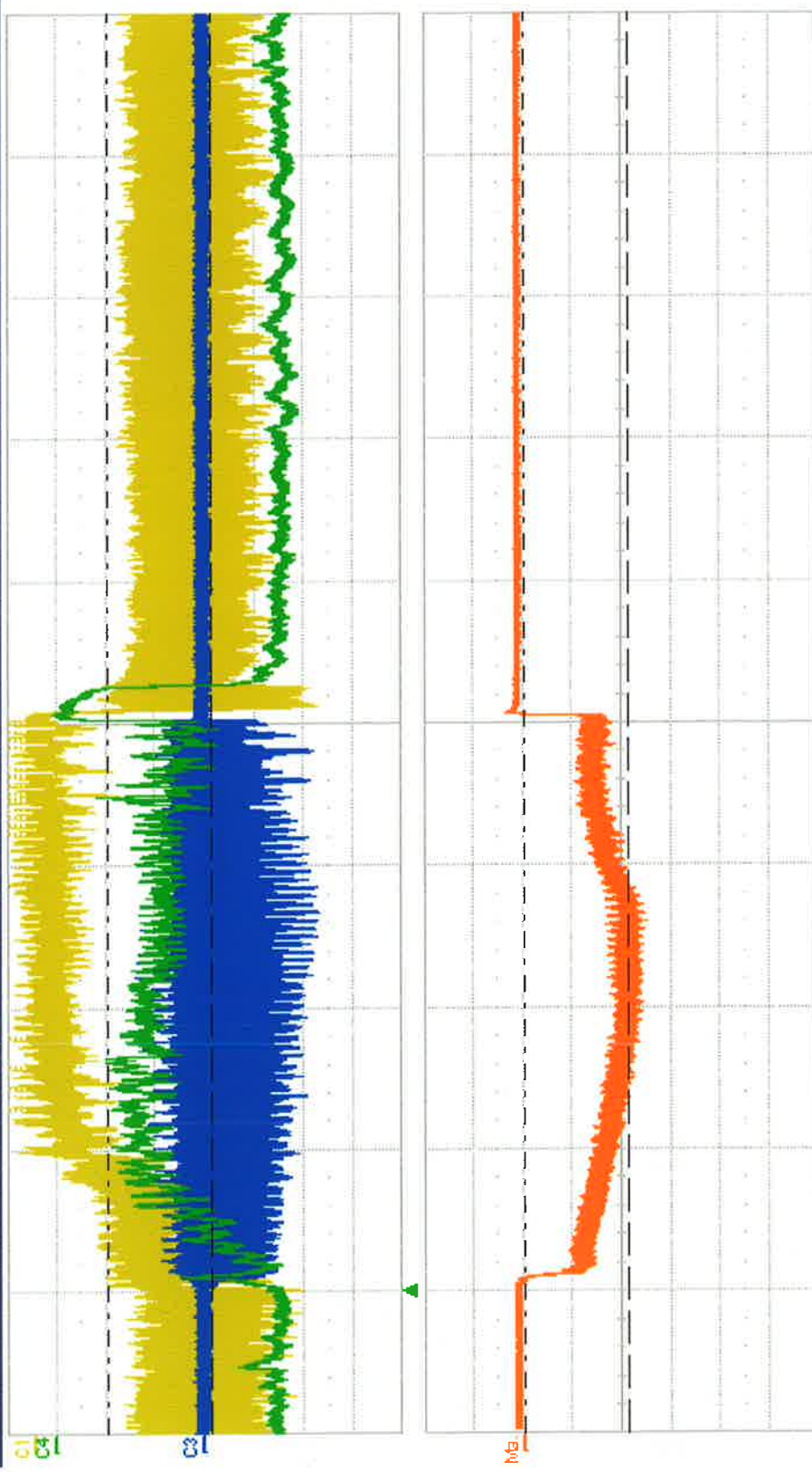
<b>Timebase</b>	-4.00 ms	<b>Trigger</b>	Ext/IO	DC
1.00 ms/div	1.00 ms/div	Normal	700 mV	Negative
1.00 MS	100 MS/s	Edge		





Tbase -2.50 ms  
 WStream 500  $\mu$ s  
 50.0 kS 10 MS/s  
 Trigger Ext10 DC  
 Normal 30 mV  
 Edge Negative  
 X1= 76.1  $\mu$ s  $\Delta$ X= 1.7676 ms  
 X2= 1.8437 ms 1/ $\Delta$ X= 565.74 Hz

C2	C3	F3	F4
500 mV/div	500 mV/div	500e-3/div	500e-3/div
75 mV offset	100 mV offset	2.00/div	2.00/div
368 mV	-292 mV	500 $\mu$ s/div	500 $\mu$ s/div
32 mV	-361 mV	264 #	264 #
$\Delta$ y	-336 mV	-1.06102	-1.06102
		-250.60e-3	-250.60e-3
		813e-3	810.42e-3

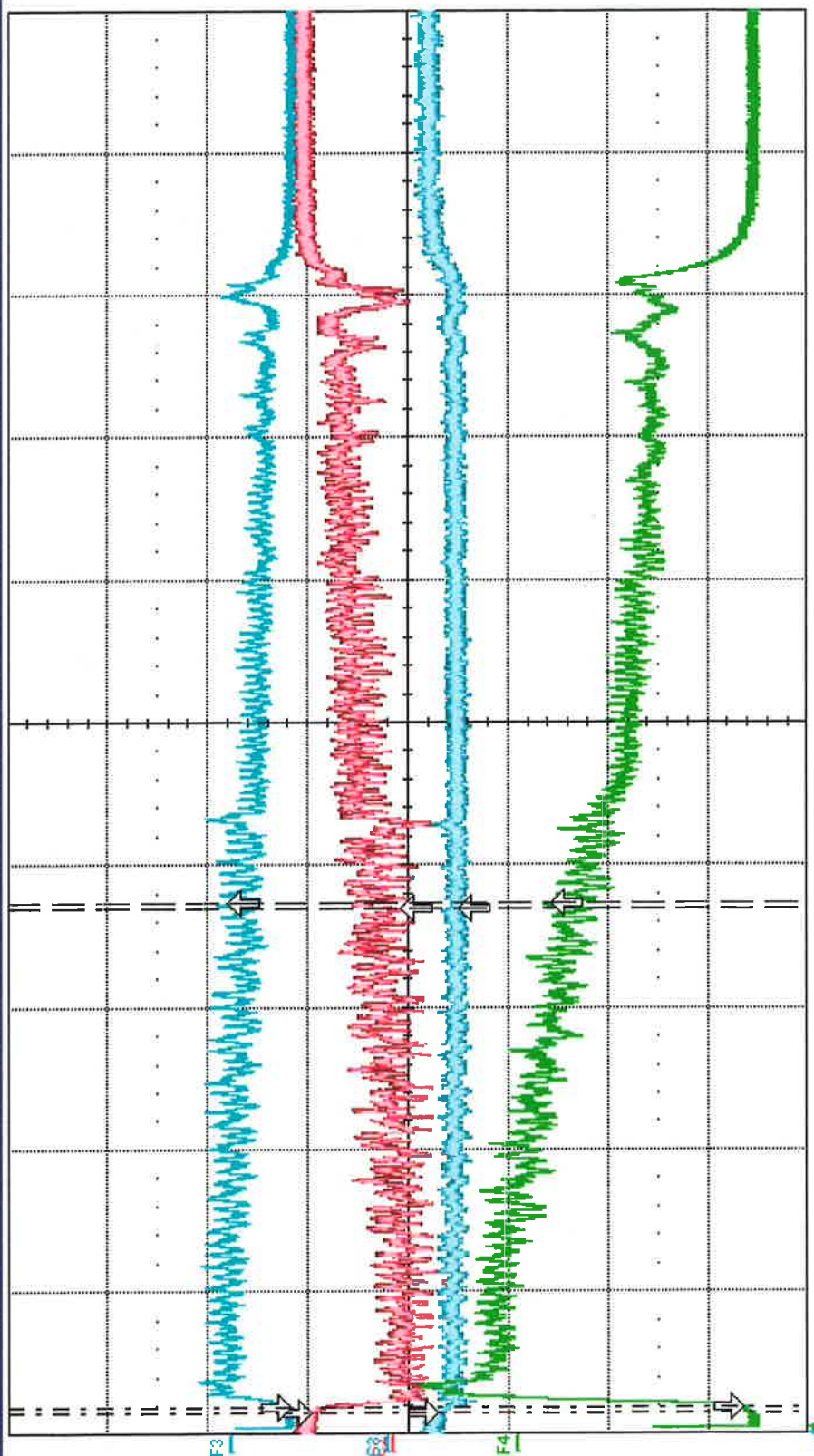


Timebase -4.00 ms  
 1.00 ms/div  
 1.00 MS

Trigger Ext 10 DC  
 Normal  
 Edge  
 Negative

Channel	Scale	Offset	Math	Unit
C1	200 mV/div	680.0 mV offset	---	Δy
C2	5.00 A/div	0.00 A offset	---	Δy
C3	1.00 A/div	1.00 mV/div	---	Δy
C4	100 V/div	300.0 V offset	---	Δy
M2	223 #	0.00 A	---	Δy



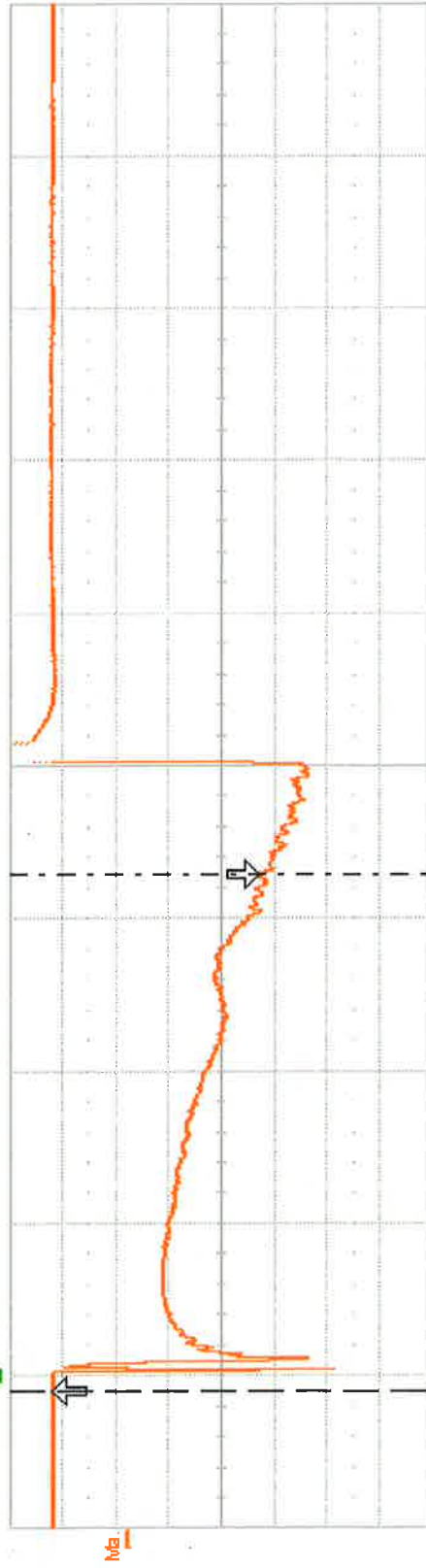
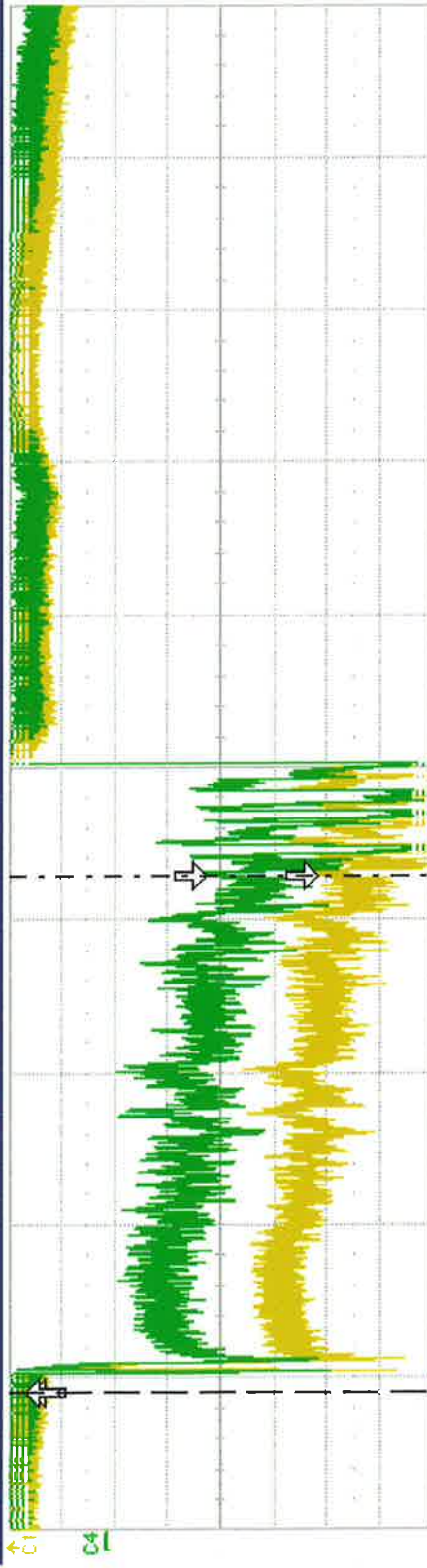


<b>C2</b>	<b>D1M</b>	500 mV/div 75 mV offset	421 mV -43 mV -464 mV	Δy	
<b>C3</b>	<b>D01M</b>	500 mV/div 100 mV offset	-244 mV -356 mV -112 mV	Δy	
<b>F3</b>	<b>script(C3,C2)</b>	2.00/div 500 μs/div	-1.146 20e-3 1.166	Δy	
<b>F4</b>	<b>&lt;F3&gt;</b>	500e-3/div 500 μs/div	-1.12022 -178.75e-3 941.47e-3	Δy	

<b>Tbase</b>	-2.50 ms	<b>TriggerExt</b>	10	<b>DC</b>
<b>WStream</b>	500 μs	<b>Normal</b>	30 mV	
<b>50.0 kS</b>	10 MS/s	<b>Edge</b>	Negative	
<b>X1=</b>	76.1 μs	<b>ΔX=</b>	1.7676 ms	
<b>X2=</b>	1.8437 ms	<b>1/ΔX=</b>	565.74 Hz	

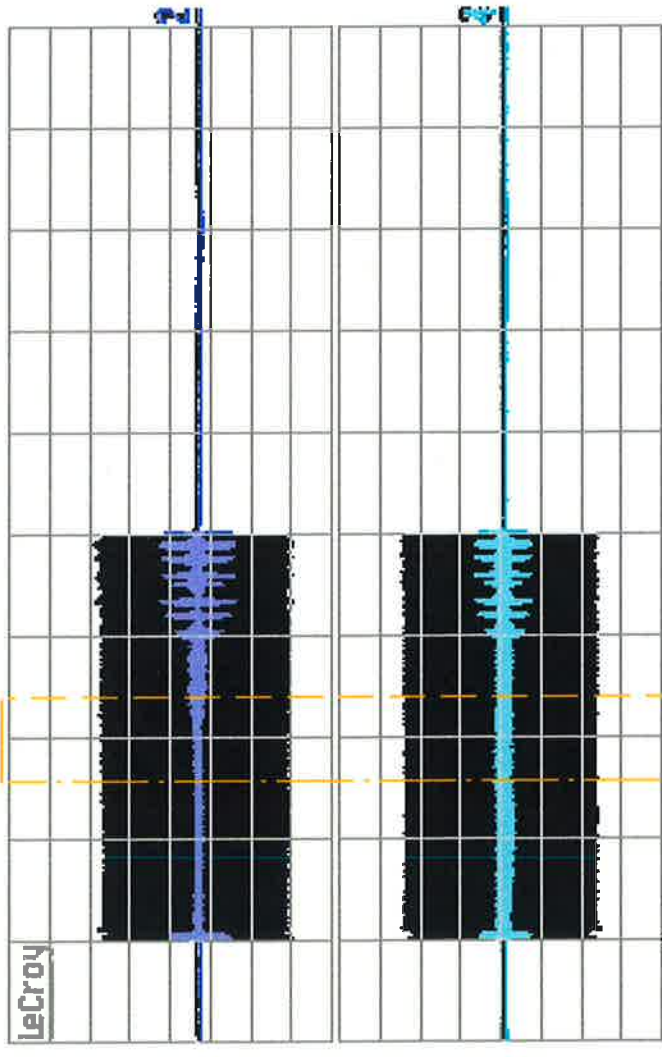




C1	DCIM	2.00 mV/div	9.100 mV ofst	1	-12.717 mV	-2.045 mV	10.672 mV
				Δy			
C4	DCIM	2.00 mV/div	4.300 mV ofst	1	-3.675 mV	3.005 mV	6.680 mV
				Δy			
Math	<C4>	2.00 mV/div	1.00 mV/div	252.4	-4.9349 mV	2.7623 mV	7.6972 mV
				Δy			

Timebase	-4.00 ms	Trigger	Est 10.00
	1.00 ms/div	Normal	700 mV
	2.00 MS	200 MS/s	Edge Negative
X1=	3.293210 ms	ΔX=	-3.396850 ms
X2=	-103.640 μs	1/ΔX=	-294.3904 Hz

8-Oct-20  
12:05:38



1 1 ms  
200 mV

2 1 ms  
200 mV

3 1 ms  
200 mV

4 1 ms  
200 mV

290 sweeps:

rms(1)	average	low	high	sigma
rms(2)	324.6mV	321.6	327.6	1.5
rms(3)	17.8mV	13.3	22.0	1.8
rms(4)	330.0mV	326.7	332.6	1.3
phase(1,3)	26.7mV	23.5	30.5	1.5
	77°	28	133	36

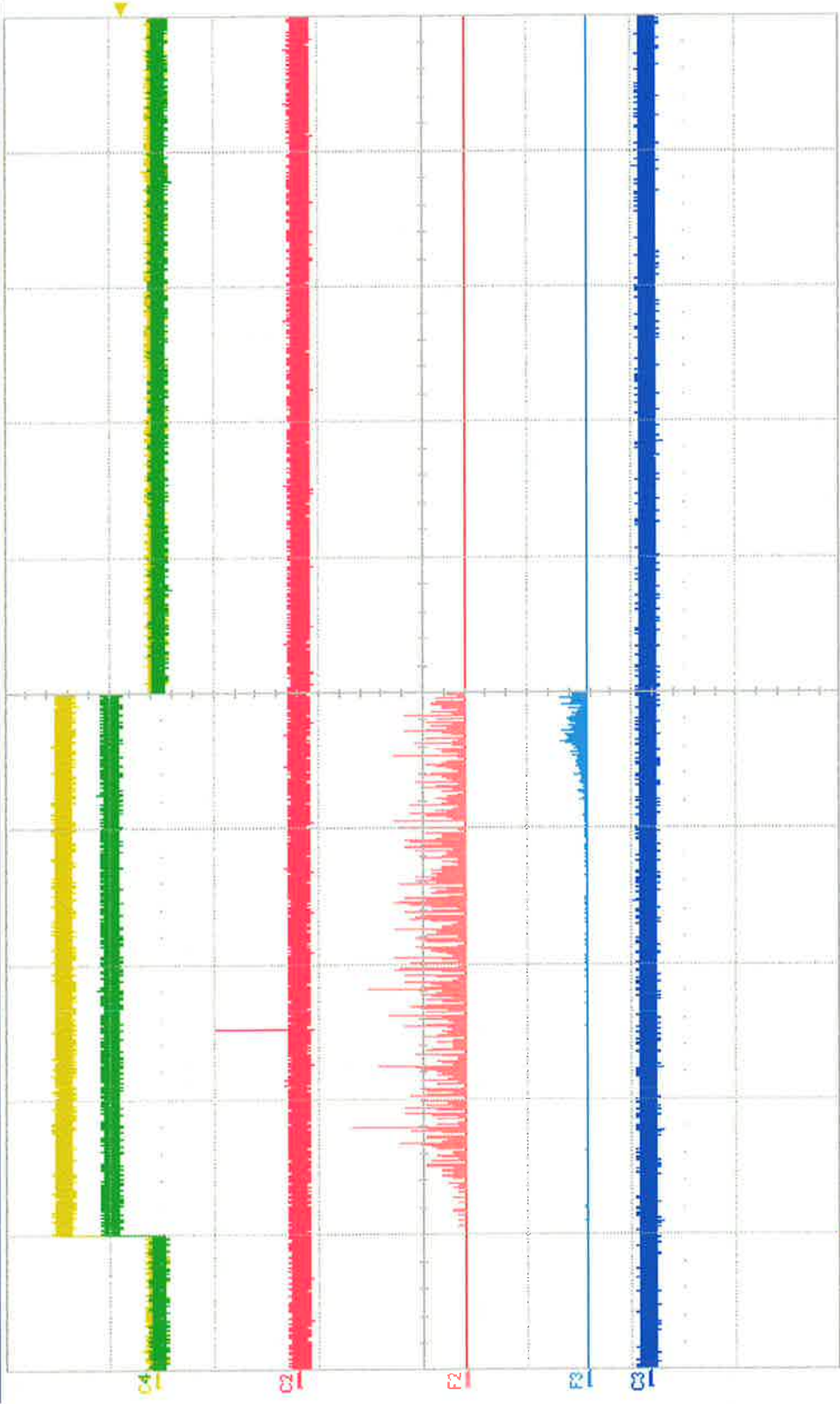
1 ms

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

10 MS/s

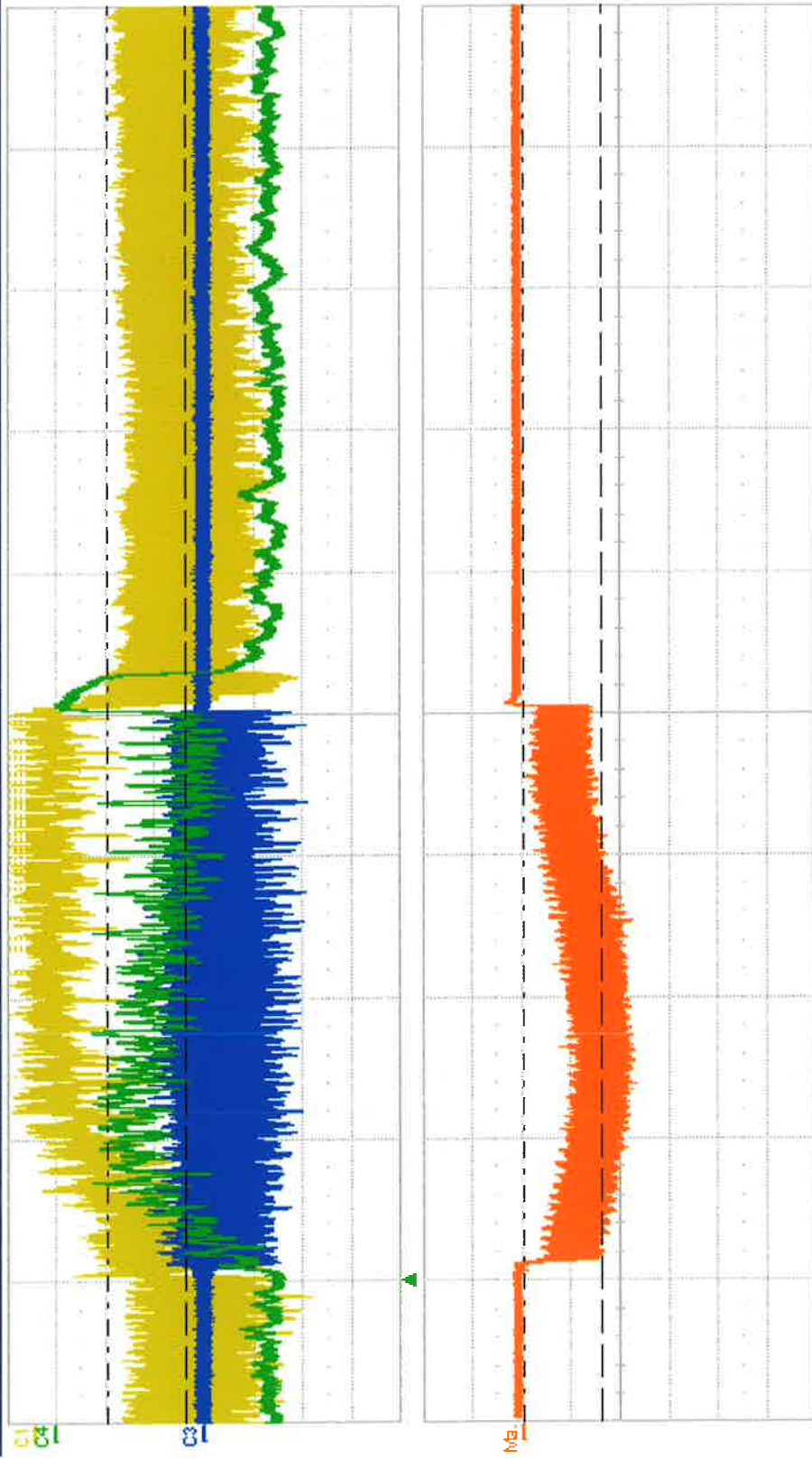
Ext10 DC 0.15 V 50Ω

☐ NORMAL



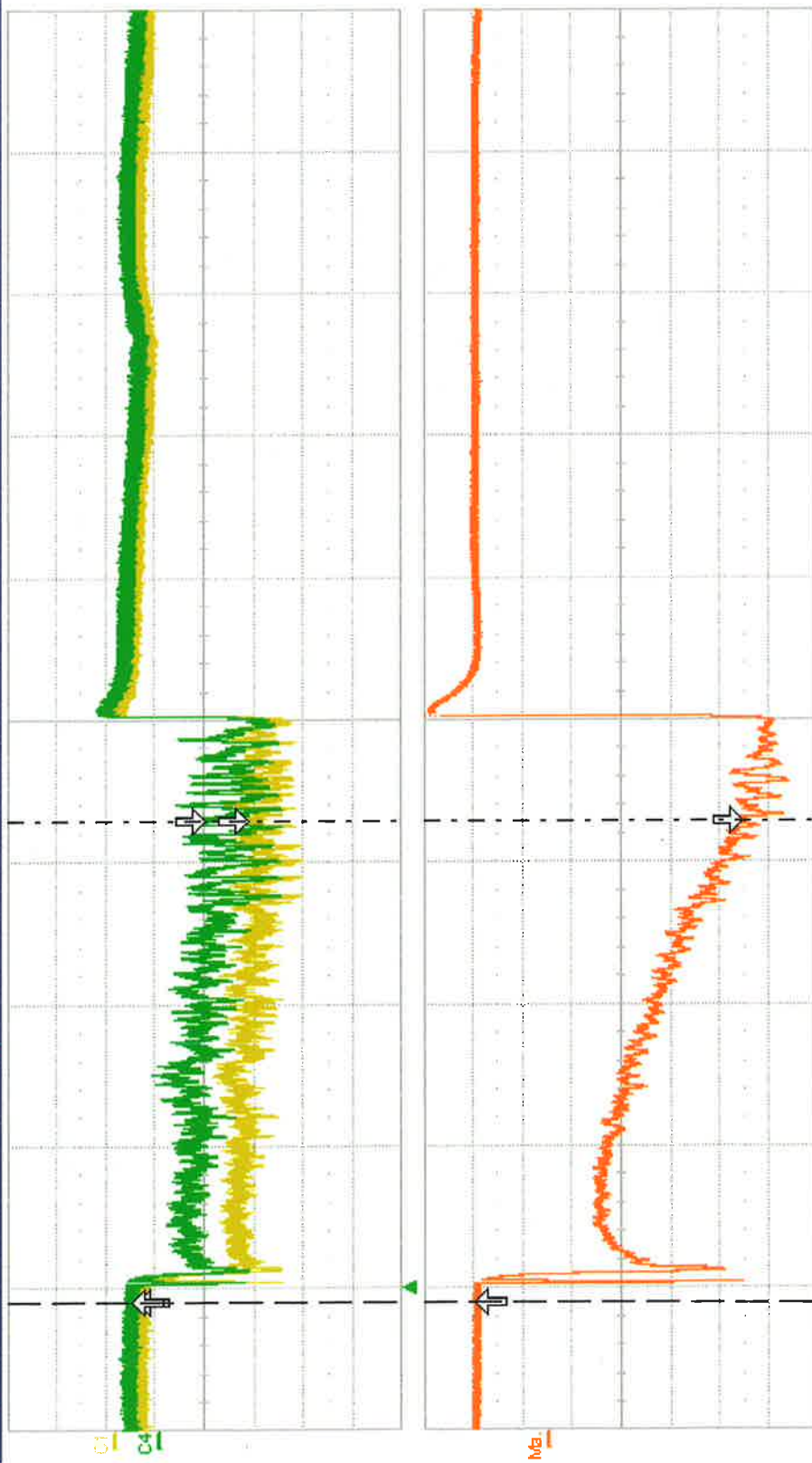
<b>C1</b>	<b>D1</b>	5.00 V	12.70 V
<b>C2</b>	<b>D2</b>	5.00 V	5.95 V
<b>C3</b>	<b>D3</b>	5.00 V	-11.0 V
<b>C4</b>	<b>D4</b>	10.0 V	25.30 V
<b>F2 peris...</b>	<b>F2 peris...</b>	20.0 #	1.0 ms
<b>F3 peris...</b>	<b>F3 peris...</b>	500 #	1.0 ms
<b>Thase</b>	<b>-4.00 ms</b>	<b>1.00 ms/div</b>	<b>500 kS</b>
<b>Trigger</b>	<b>Normal</b>	<b>Edge</b>	<b>Positive</b>





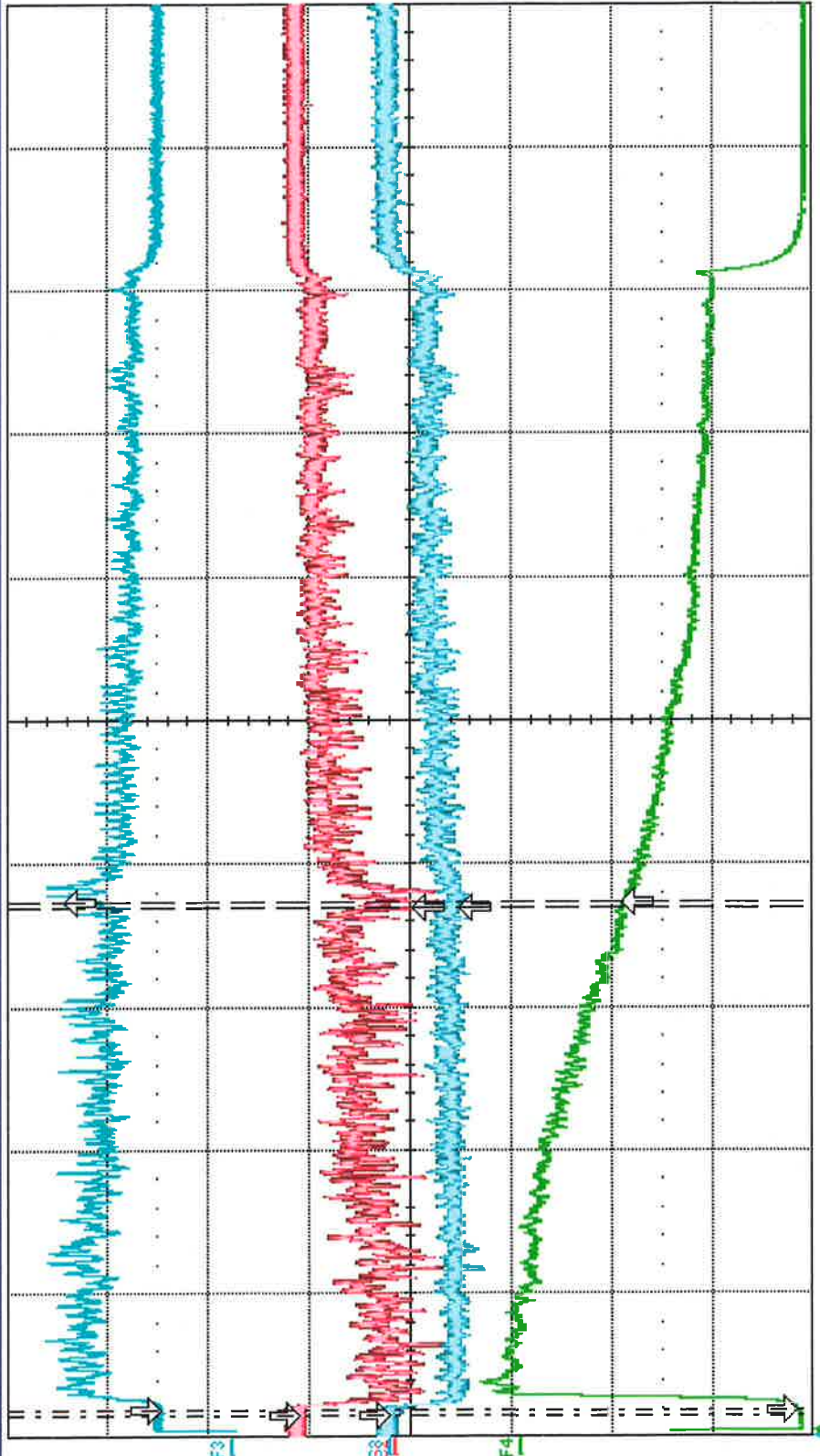
Timebase -4.00 ms  
1.00 ms/div  
1.00 MS  
Trigger Ext10 DC  
Normal Edge  
700 mV  
Negative

Channel	Scale	Offset	Math	Unit
C1	200 mV/div	680.0 mV ofst	---	ΔV
C3	5.00 A/div	0.00 A offset	---	ΔV
C4	100 V/div	300.0 V offset	---	ΔV
M3	1.00 A/div	1.00 ms/div	---	ΔV



<b>C1</b>	<b>DCIM</b>	5.00 mV/div	9.00 mV ofst	-14.70 mV	-2.67 mV	12.03 mV	$\Delta y$
<b>C4</b>	<b>DCIM</b>	5.00 mV/div	4.50 mV ofst	-7.00 mV	2.61 mV	9.61 mV	$\Delta y$
<b>Math</b>	<b>&lt;C4&gt;</b>	2.00 mV/div	1.00 ms/div	37 #	7.8228 mV	2.9111 mV	$\Delta y$

<b>Timebase</b>	-4.00 ms	<b>Trigger</b>	Edge	<b>Extr10</b>	DC
2.00 MS	1.00 ms/div	Normal	Edge	700 mV	Negative
X1=	3.293210 ms	$\Delta X=$	-3.396850 ms		
X2=	-103.640 $\mu$ s	1/ $\Delta X=$	-294.3904 Hz		

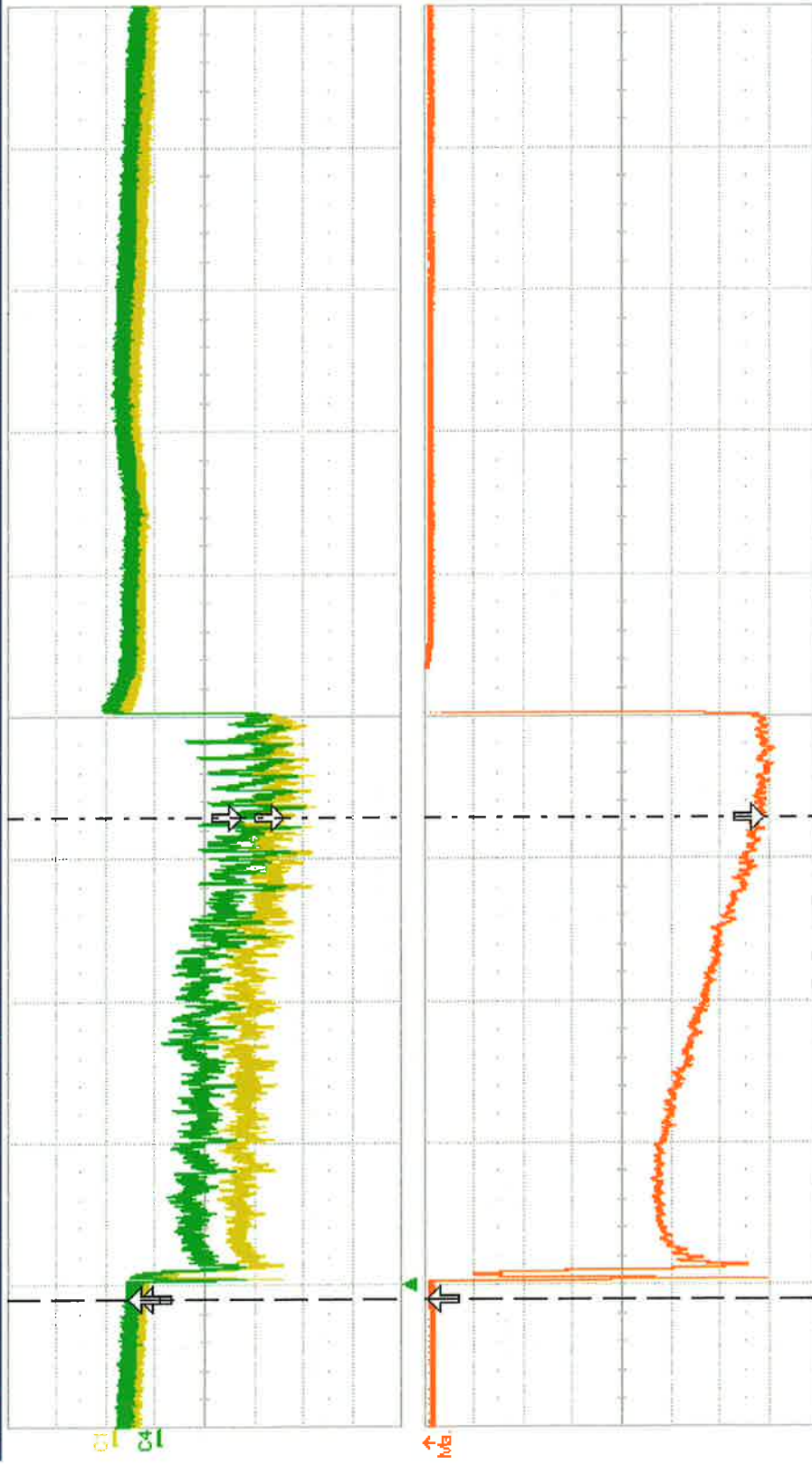


Timebase	-2.50 ms	Trigger	Ext10 DC
Waveform	500 $\mu$ s	Normal	30 mV
50.0 kS	10 MS/s	Edge	Negative

X1= 76.1  $\mu$ s  $\Delta$ X= 1.7676 ms  
 X2= 1.8437 ms 1/ $\Delta$ X= 565.74 Hz

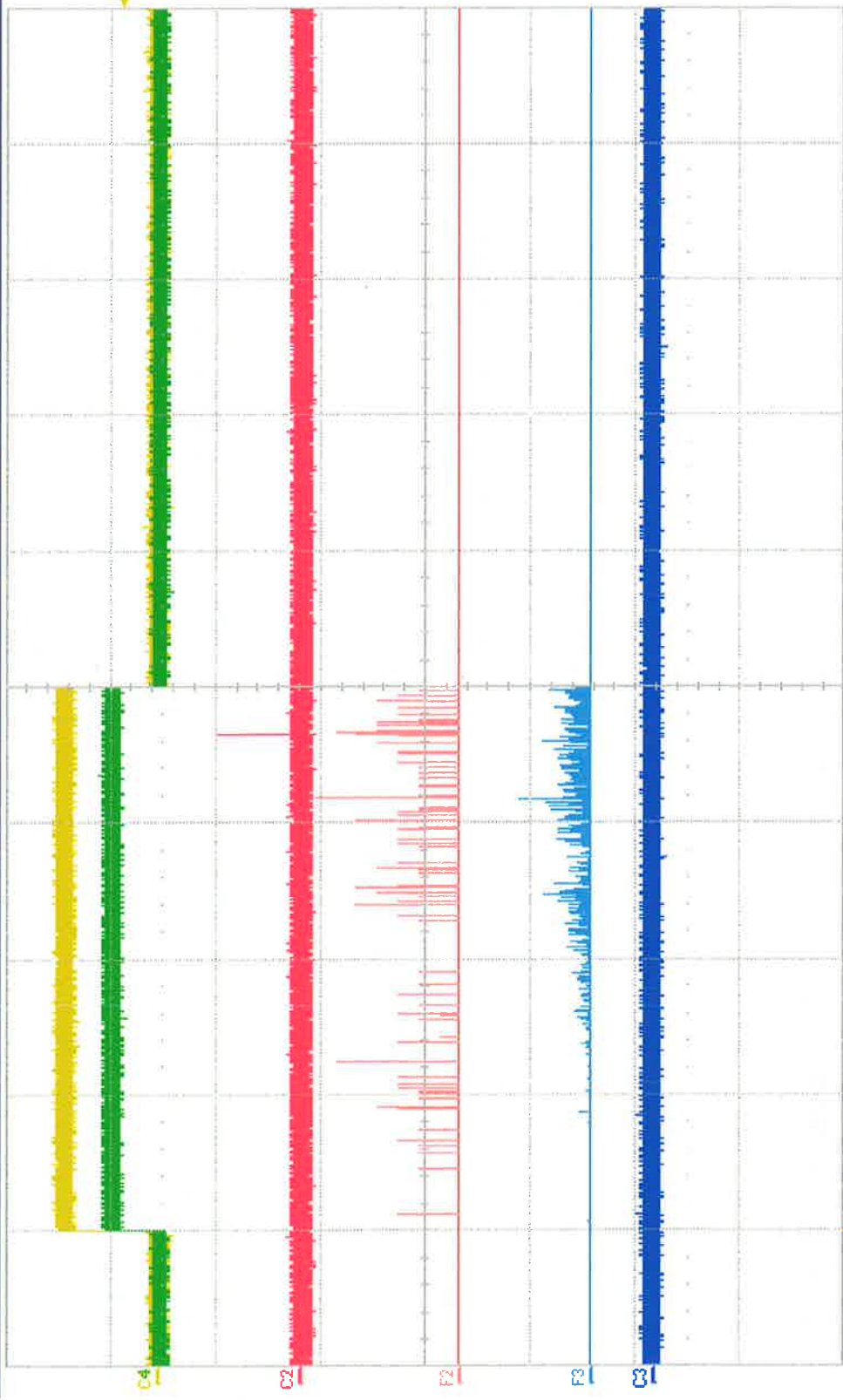
C2	DC1M	500 mV/div	75 mV offset	484 mV	13 mV	-354 mV	-367 mV	$\Delta$ y
C3	DC1M	500 mV/div	100 mV offset	1.445	1.445	3.290	1.846	$\Delta$ y
F3	scrip(C3,C2)	2.00/div	500 $\mu$ s/div	1.445	1.445	3.290	1.846	$\Delta$ y
F4	<F3>	500e-3/div	500 $\mu$ s/div	146 #	-1.36852	-508.67e-3	859.85e-3	$\Delta$ y





C1	C4	Math	<C1>
5.00 mV/div	5.00 mV/div	2.00 mV/div	2.00 mV/div
9.00 mV ofst	4.50 mV ofst	1.00 ms/div	1.00 ms/div
↓	↓	81 #	81 #
↑	↑	-15.9582 mV	-15.9582 mV
Δy	Δy	-2.4634 mV	-2.4634 mV
14.35 mV	10.92 mV	Δy	13.4878 mV

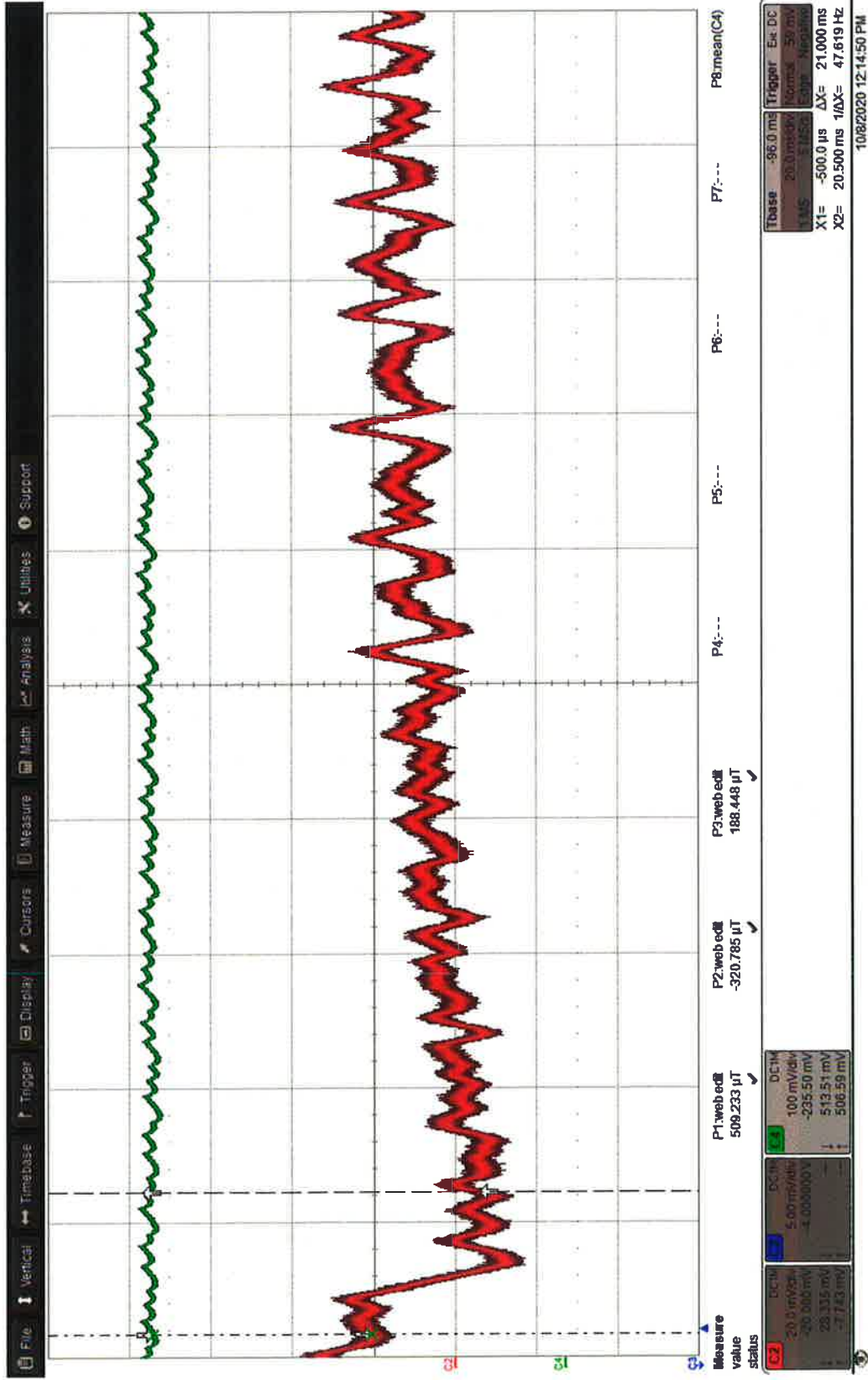
Timebase	-4.00 ms	Trigger	Ext 10 DC
1.00 ms/div	Normal	Edge	Negative
2.00 MS	200 MS/s		
X1=	3.293210 ms	ΔX=	-3.396850 ms
X2=	-103.640 μs	1/ΔX=	-294.3904 Hz



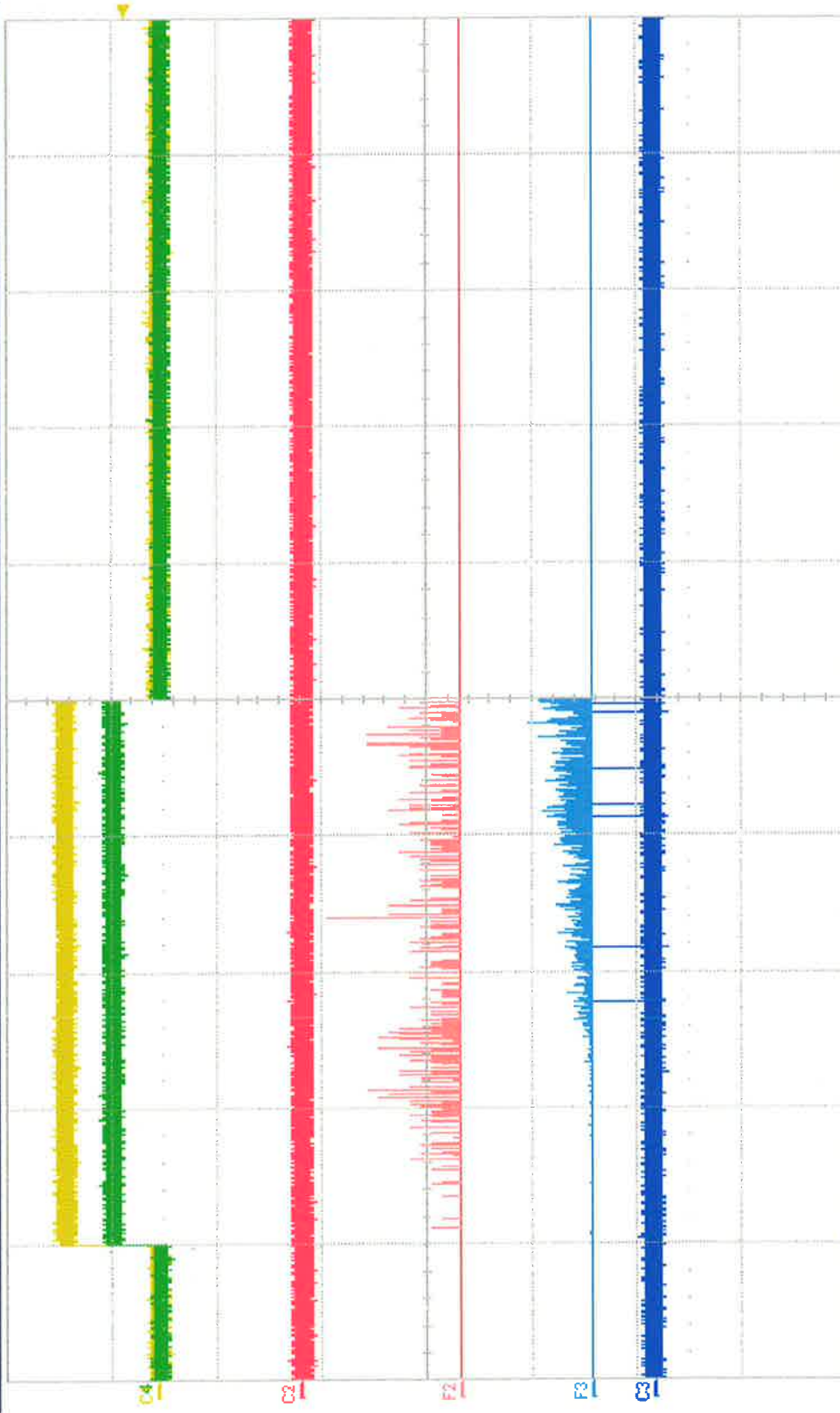
C1	D1	5.00 V	12.70 V	C2	D1	5.00 V	5.95 V	C3	D1	5.00 V	-11.0 V	C4	D1	10.0 V	25.30 V	F2 peris...	5.00 #	1.0 ms	221 #	F3 peris...	100 #	1.0 ms	3.96 k#	Thase	-4.00 ms	Trigger	C1/D1	500 kS	1.00 ms/div	Normal	Edge	Positive	1.85 V
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TELEDYNE LECROY

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Timebase -4.00 ms  
 1.00 ms/div  
 500 kS  
 Trigger Normal  
 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... 10.0 # 1.0 ms 733 #  
 F3 peris... 200 # 1.0 ms 10.9 k#

TELEDYNE LECROY

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