

Microscope Setting and Software Analysis



Capture Capture Devices Sequence Analysis

RGB Color: 2-Band C11440-42U S/N: 000285

Live Color Live Capture1 AutoSave Open Capture1

Camera Control

Auto Expose Gain Exposure 1 340 0 50.0 ms 2 380 0 50.0 ms

- Binning and SubArray Trigger Modes, Speed and Registration Advanced Camera Properties Processing

Image Display Histogram

Capture Capture Devices Sequence Analysis

RGB Color: 2-Band C11440-42U S/N: 000285

Live Color Live Capture1 AutoSave Open Capture1

Camera Control

Auto Expose Gain Exposure 1 340 0 50.0 ms 2 380 0 50.0 ms



Capture

Capture | Devices | Sequence | Analysis

RGB Color: 2-Band C11440-42U S/N: 000285

Live Color **Abort** Capture1 AutoSave ... Open Capture1

Camera Control

Auto Expose ...



Histogram

Roi Log Sat Stats

RGB Intensity 16 Bits

ROI Only

0 65535

Contrast

Auto Hi/Lo

Gamma

Curve

Tint

Frame Rate: 8.34 Image Display Zoom 41% SF: 1.000 Px Default

Capture

Capture | Devices | Sequence | Analysis

1 2

Binni

Trigg

Adva

Pro

RGB Color: 2-Band C11440-42U S/N: 000285

Live Color **Abort** Capture1 AutoSave ... Open Capture1

File Edit View Window Help

Open Save Copy to Clipboard Copy to Document 1x

Sequence

Capture Devices **Sequence** Analysis

Select Scan Type **Time Lapse** Use Scheduler **DIA Analysis**

Frame Bundle 2 Start Stop

Progress

0 fps Time Elapsed: 00:00:00.00

Event Marker : 1 Delay Remaining: 00:00:00

0 1 2 3 4 5 6 7 8 9

Scan Settings

AutoSave ...

CXD TIFF MPTIFF Live Image Review

Enable Maximum Control :

0 Delay **Continuous**

Field Delay1 0.0 sec End Frame 0

Field Delay2 0.0 sec End Time 0.0 sec

to Disk to Memory (550) RAM...

Intensity Analysis

Graph Setup

Image Display

Sequence

Capture Devices **Sequence** Analysis

Select Scan Type Time Lapse Use Scheduler DIA Analysis

Frame Bundle 2 Start Stop

Progress

0 fps Time Elapsed: 00:00:00.00

Event Marker : 0 Delay Remaining: 00:00:00

0 1 2 3 4 5 6 7 8 9

Scan Settings

AutoSave ...

CXD TIFF MPTIFF Live Image Review

Enable Maximum Control :

0 Delay Continuous

Field Delay1 0.0 sec End Frame 0

Field Delay2 0.0 sec End Time 0.0 sec

to Disk to Memory (550) RAM...

Histogram

Roi Log Sat Stats

RGB Intensity 16 Bits

Range: 315 - 31534 304 - 31315

Mean: 5131.98 5131.7

StdDev: 5917.89 5917.66

0 65535

Contrast

Auto Hi/Lo

Curve Gamma

Tint

Zoom 41% SF: 1.000 Px Default

Sequence

Capture | Devices | Sequence | Analysis

00:00:00.00

Event Marker : 0

Delay Remaining: 00:00:00

0 1 2 3 4 5 6 7 8 9

Scan Settings

Intensity Analysis

Object Classes

Class 1

Add

Ratio

Background

Remove

Show All Blobs

Select Measure

Draw Objects

Draw

Erase

Graph Setup

Graph 1

Graph 2

Visible

Image #: 1

Select Class #: 1

Object #:

All

Average

1.1

1.2

2 <-Count

View Data:

Raw Data

Corrected Data

View Measurements:

MEAN_RED

MEAN_GREEN

Display History:

Full

Partial: 101

Fields

Show Legend

Show Events

Image Display

Blob Count: 2 | X: 985, Y: 1414 | RG: 17819.18288 (9036.7e, 9275.9e)

Image Display

Sequence

Capture | Devices | Sequence | Analysis

00:00:00.00

Event Marker : 0

Delay Remaining: 00:00:00

0 1 2 3 4 5 6 7 8 9

Scan Settings

Intensity Analysis

Object Classes

Class 1

Add

Ratio

Background

Remove

Show All Blobs

Select Measure

Draw Objects

Draw

Erase

Curve

Tint

Gamma

Zoom 41%

SF: 1.000 Px Default

Sequence

Capture | Devices | Sequence | Analysis

00:00:00.00

Event Marker : D: Delay Remaining: 00:00:00

0 1 2 3 4 5 6 7 8 9

Scan Settings

Intensity Analysis

Object Classes

Class 1
Background 1

Add Background Remove

Ratio

Show All Blobs Select Measure

Draw Objects

Draw Erase

Graph Setup

Graph 1

Graph 2

Visible

Image #: 1

Select Class #: 1

Object #: All 3 <-Count

View Data: Raw Data Corrected Data

View Measurements: MEAN_RED MEAN_GREEN

Display History: Full Partial: 101 Fields Show Legend Show Events



Sequence

Capture | Devices | Sequence | Analysis

00:00:00.00

Event Marker : D: Delay Remaining: 00:00:00

0 1 2 3 4 5 6 7 8 9

Scan Settings

Intensity Analysis

Object Classes

Class 1
Background 1

Add Background Remove

Ratio

Show All Blobs Select Measure

Draw Objects

Draw Erase

65535

Contrast

Auto Hi/Lo

Gamma

Curve

Tint

Zoom 41% SF: 1.000 Px Default

Sequence

Capture | Devices | Sequence | Analysis

00:00:00.00

Event Marker: [1] Delay Remaining: 00:00:00

0 1 2 3 4 5 6 7 8 9


Scan Settings

Intensity Analysis

Object Classes

Class 1
Background 1

Add Background Remove

Ratio  Select Measure

Show All Blobs

Draw Objects

Draw Erase

Graph Setup

Graph 1

Graph 2

Image #: 1

Select Class #: 1

Object #: All 3 <-Count

1.1

1.2

1.3

View Data:

Raw Data Corrected Data

View Measurements:

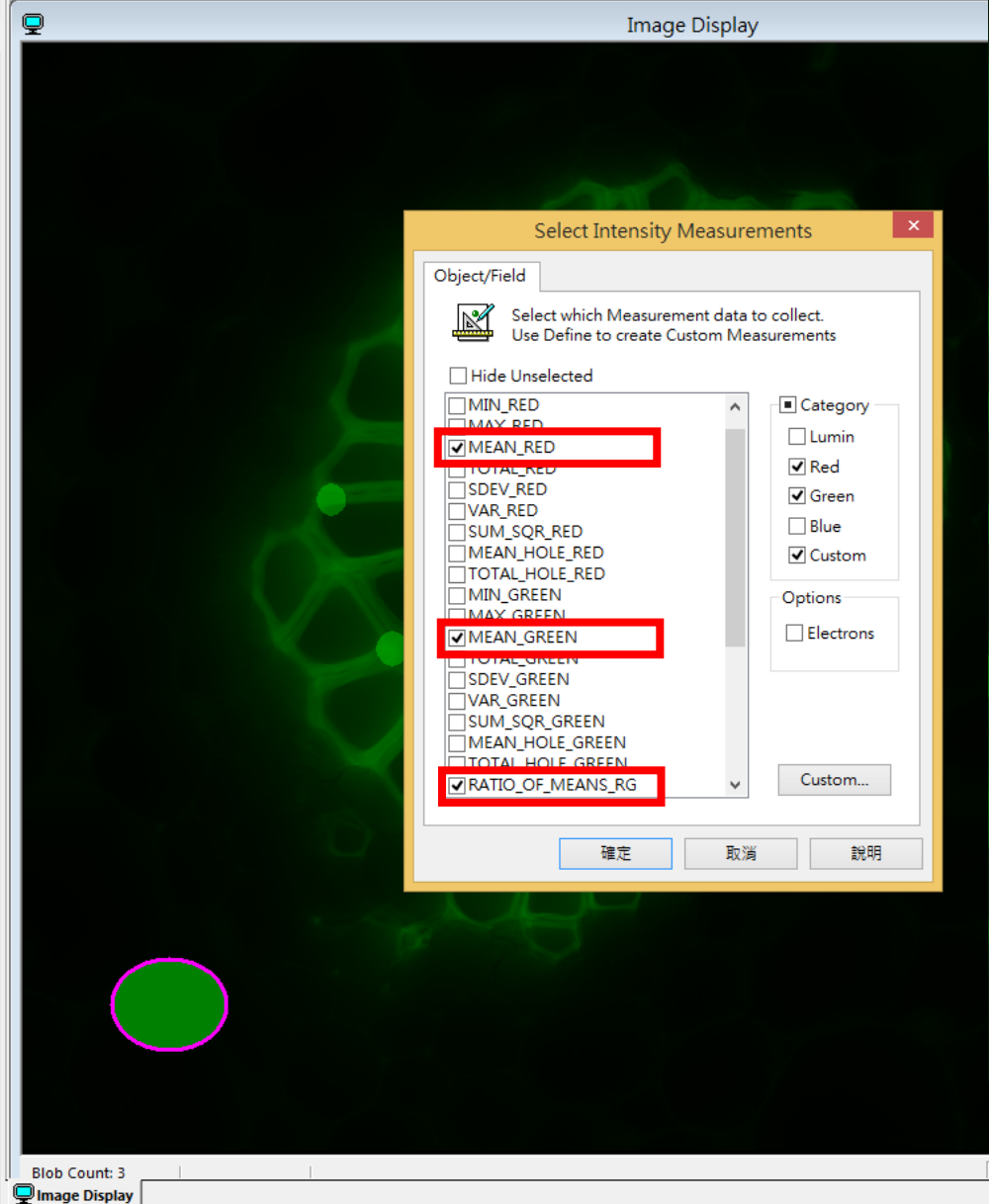
MEAN_RED

MEAN_GREEN

Display History:

Full Fit Show Legend

Partial: 101 Fields Show Events



Select Intensity Measurements

Object/Field

Select which Measurement data to collect. Use Define to create Custom Measurements

Hide Unselected

MIN_RED

MAX_RED

MEAN_RED

TOTAL_RED

SDEV_RED

VAR_RED

SUM_SQR_RED

MEAN_HOLE_RED

TOTAL_HOLE_RED

MIN_GREEN

MAX_GREEN

MEAN_GREEN

TOTAL_GREEN

SDEV_GREEN

VAR_GREEN

SUM_SQR_GREEN

MEAN_HOLE_GREEN

TOTAL_HOLE_GREEN

RATIO_OF_MEANS_RG

Category

Lumin

Red

Green

Blue

Custom

Options

Electrons

Custom...

確定 取消 說明

Select Intensity Measurements

Object/Field

Select which Measurement data to collect. Use Define to create Custom Measurements

Hide Unselected

MIN_RED

MAX_RED

MEAN_RED

TOTAL_RED

SDEV_RED

VAR_RED

SUM_SQR_RED

MEAN_HOLE_RED

TOTAL_HOLE_RED

MIN_GREEN

MAX_GREEN

MEAN_GREEN

TOTAL_GREEN

SDEV_GREEN

VAR_GREEN

SUM_SQR_GREEN

MEAN_HOLE_GREEN

TOTAL_HOLE_GREEN

RATIO_OF_MEANS_RG

Category

Lumin

Red

Green

Blue

Custom

Options

Electrons

Custom...

確定 取消 說明



Sequence

Capture | Devices | Sequence | Analysis

00:00:00.00

Event Marker: [1] Delay Remaining: 00:00:00

0 1 2 3 4 5 6 7 8 9

Scan Settings

Intensity Analysis

Object Classes

Class 1
Background 1

Add Background Remove

Ratio

Show All Blobs Select Measure

Draw Objects

Draw Erase

Graph Setup

Graph 1

Graph 2

Visible

Image #: 1

Select Class #: 1

Object #: All Average 3 <-Count

1.1 1.2 1.3

View Data: Raw Data Corrected Data

View Measurements:

MEAN_RED MEAN_GREEN RATIO_OF_MEANS_RG

Display History:

Full Fit Show Legend

Partial: 101 Fields Show Events

Image Display

Blob Count: 3

Image Display

Histogram

Roi Log Sat Stats

RGB Intensity 16 Bits

Range: 315 - 31534 304 - 31315

Mean: 5131.98 5131.7

StdDev: 5917.89 5917.66

0 65535

Contrast

Auto Hi/Lo

Gamma

Curve

Tint

Sequence

Capture | Devices | Sequence | Analysis

00:00:00.00

Event Marker: [1] Delay Remaining: 00:00:00

0 1 2 3 4 5 6 7 8 9

Scan Settings

Intensity Analysis

Object Classes

Class 1
Background 1

Add Background Remove Ratio Show All Blobs Select Measure

Draw Objects

Draw Erase

Graph Setup

Graph 1
Graph 2

Visible

Image #: 1

Select Class #: 1

Object #: All Average 3 <-Count
 1.1
 1.2
 1.3

View Data: Raw Data Corrected Data

View Measurements:

MEAN_RED
 MEAN_GREEN
 RATIO_OF_MEANS_RG

Display History:

Full Fit Show Legend
 Partial: 30 Second Show Events

Image Display

Graph Setup

Graph 1
Graph 2

Visible

Image #: 1

Select Class #: 1

Object #: All Average 3 <-Count
 1.1
 1.2
 1.3

View Data: Raw Data Corrected Data

View Measurements:

MEAN_RED
 MEAN_GREEN
 RATIO_OF_MEANS_RG

Display History:

Full Fit Show Legend
 Partial: 30 Second Show Events

Blob Count: 3

Histogram

Roi Log Sat Stats

RGB Intensity 16 Bits

Range: 315 - 31534 304 - 31315
Mean: 5131.98 5131.7
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0 65535

Contrast

Auto Hi/Lo Gamma

Curve Tint

Zoom 41% SF: 1.000 Px Default

Sequence

Capture | Devices | Sequence | Analysis

Select Scan Type: Time Lapse Use Scheduler DIA Analysis

Frame Bundle: 2 **Start** Stop

Progress: 0 fps Time Elapsed: 00:00:00.00

Event Marker: 0 Delay Remaining: 00:00:00

Scan Settings

Intensity Analysis

Object Classes: Class 1, Background 1

Draw Objects: Draw Erase

Graph Setup

Graph 1, Graph 2

Visible

Image #: 1

Select Class #: 1

Object #: All, Average, 1.1, 1.2, 1.3

View Data: Raw Data Corrected Data

View Measurements: MEAN_RED, MEAN_GREEN, RATIO_OF_MEANS...

Image Display

Sequence

Capture | Devices | Sequence | Analysis

Select Scan Type: Time Lapse Use Scheduler DIA Analysis

Frame Bundle: 2 **Start** Stop

Progress: 0 fps Time Elapsed: 00:00:00.00

Event Marker: 0 Delay Remaining: 00:00:00

Blob Count: 3

Image Display

Histogram

Roi Log Sat Stats

RGB Intensity 16 Bits

Range: 315 - 31534 304 - 31315

Mean: 5131.98 5131.7

StdDev: 5917.89 5917.66

Contrast

Auto Hi/Lo

Curve Tint

Sequence Capture Devices Sequence Analysis

Select Scan Type: Time Lapse Use Scheduler DIA Analysis

Frame Bundle: 2 **Pause** **Stop**

Progress: 29 / 4.33 fps Time Elapsed: 00:00:06.69

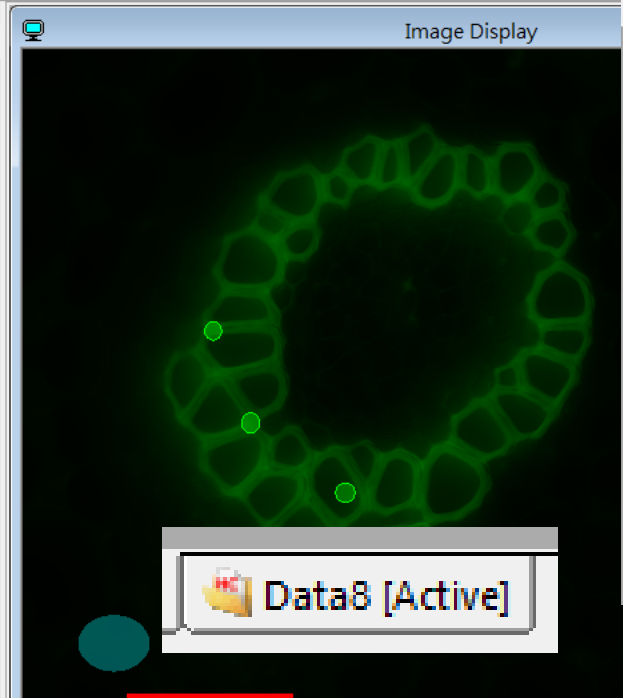
Event Marker: 0: 0 1 2 3 4 5 6 7 8 9 Delay Remaining: 00:00:00

Scan Settings

Intensity Analysis

Object Classes: Class 1, Background 1

Draw Objects: Draw, X, R, Y, Z, A



Sequence Capture Devices Sequence Analysis

Select Scan Type: Time Lapse Use Scheduler DIA Analysis

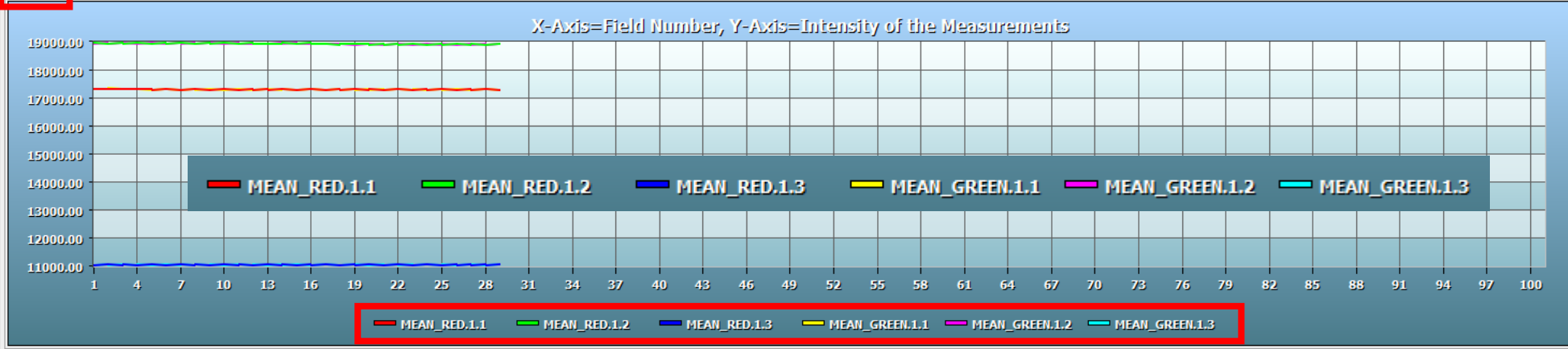
Frame Bundle: 2 **Pause** **Stop**

Progress: 29 / 4.33 fps Time Elapsed: 00:00:06.69

Event Marker: 0: 0 1 2 3 4 5 6 7 8 9 Delay Remaining: 00:00:00

Image Display Data8 [Active]

Graph 1 Graph 2



Graph 1 | Graph 2

Object #: All, Average, 1.1, 1.2, 1.3, 3 <-Count

View Data: Raw Data, Corrected Data

View Measurements: MEAN_RED, MEAN_GREEN, RATIO OF MEANS, PG

Sequence

Capture | Devices | Sequence | Analysis

Select Scan Type: Time Lapse Use Scheduler DIA Analysis

Frame Bundle: 2

Progress: 264 / 4.29 fps **Time Elapsed: 00:01:00.75**

Event Marker: 0: Delay Remaining: 00:00:00

Scan Settings

Intensity Analysis

Object Classes: Class 1, Background 1

Draw Objects: Draw Erase

Image Display

Progress: 264 / 4.29 fps Time Elapsed: 00:01:00.75

Event Marker: 0: Delay Remaining: 00:00:00

Histogram

Intensity: 16 Bits

Contrast

X-Axis=Field Number, Y-Axis=Intensity of the Measurements

Graph Setup

Graph 1 Visible

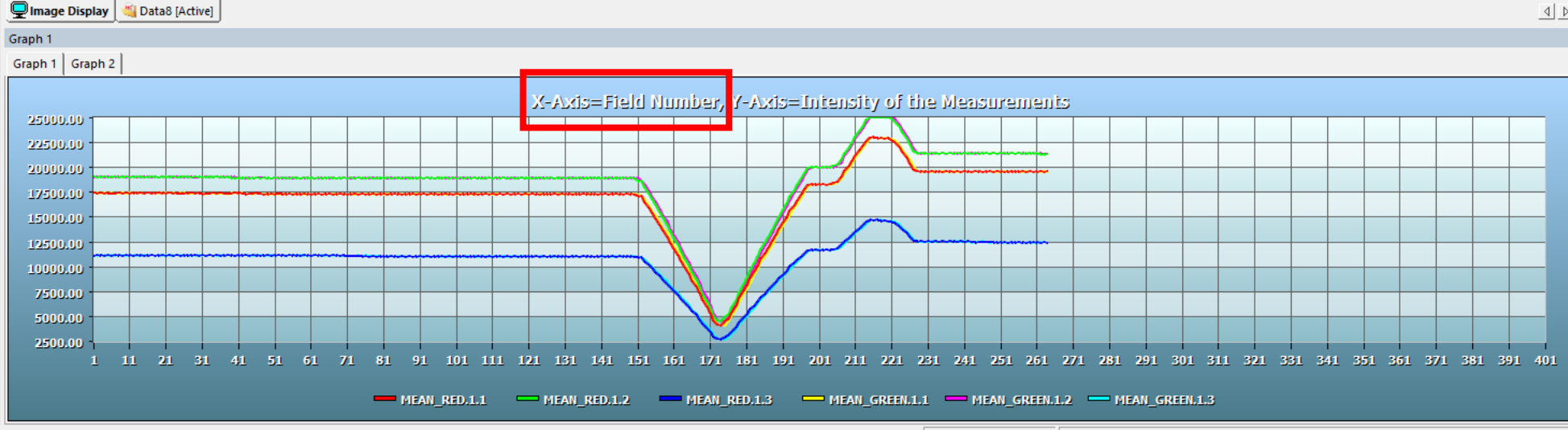
Image #: 1

Select Class #: 1

Object #: All Average 1.1 1.2 1.3 <-Count

View Data: Raw Data Corrected Data

View Measurements: MEAN_RED MEAN_GREEN RATIO OF MEANS



Sequence

Capture | Devices | Sequence | Analysis

Select Scan Type: Time Lapse Use Scheduler DIA Analysis

Frame Bundle: 2

Progress: 354 / 4.42 fps Time Elapsed: 00:01:21.22

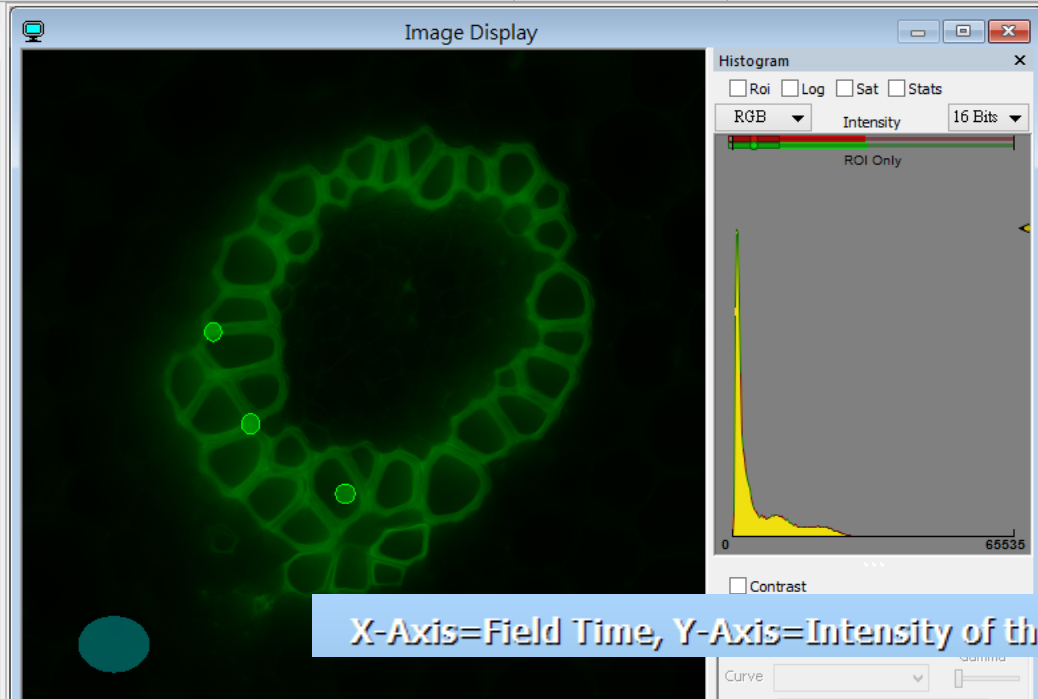
Event Marker: 0 Delay Remaining: 00:00:00

Scan Settings

Intensity Analysis

Object Classes: Class 1, Background 1

Draw Objects: Draw Erase



X-Axis=Field Time, Y-Axis=Intensity of the Measurements

Graph Setup

Graph 1 Visible

Graph 2

Image #: 1

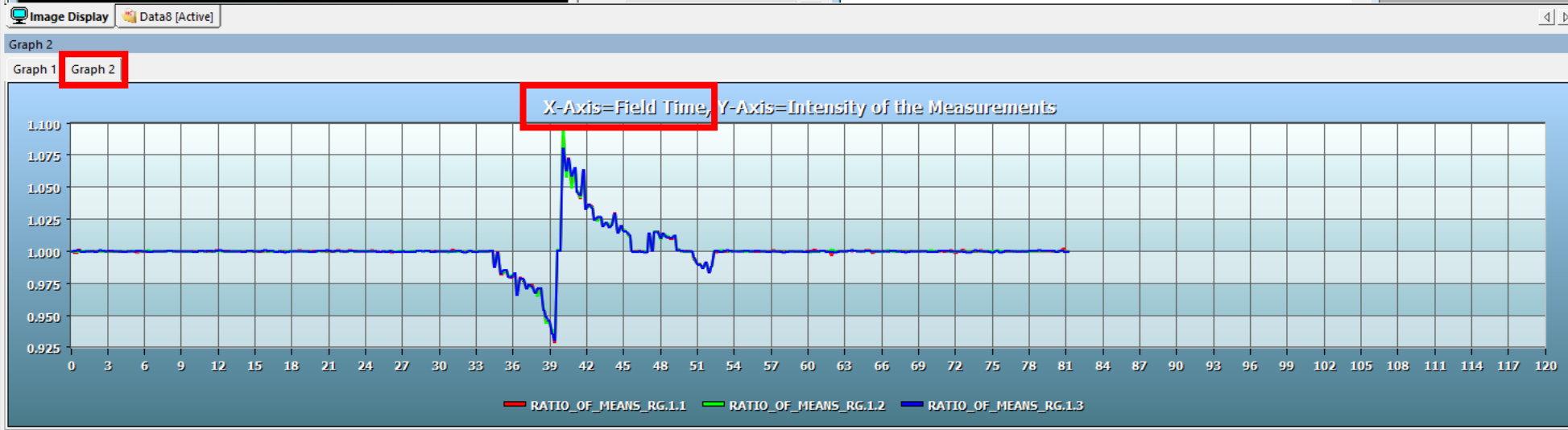
Select Class #: 1

Object #: All Average 1.1 1.2 1.3 <-Count

View Data: Raw Data Corrected Data

View Measurements:

MEAN_RED MEAN_GREEN RATIO_OF_MEANS_RG



Sequence

Capture | Devices | Sequence | Analysis

Select Scan Type: Time Lapse Use Scheduler DIA Analysis

Frame Bundle 2 **Start** **Stop**

Progress

Time Elapsed: Delay Remaining: 00:00:00

Event Marker: 0

Scan Settings

Intensity Analysis

Object Classes

Class 1 Background 1

Ratio Show All Blobs Select Measure

Draw Objects

Draw Erase

Graph Setup

Graph 1 Visible

Graph 2

Image #: 1

Select Class #: 1

Object #: All Average 3 <-Count

1.1 1.2 1.3

View Data: Raw Data Corrected Data

View Measurements:

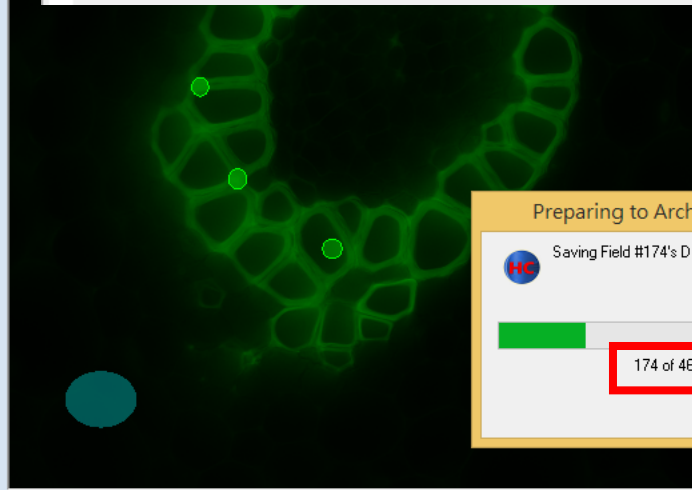
MEAN_RED MEAN_GREEN RATIO OF MEANS PG

Sequence

Capture | Devices | Sequence | Analysis

Select Scan Type: Time Lapse Use Scheduler DIA Analysis

Frame Bundle 2 **Pause** **Stop**



Frame Rate: 4.31 | Zoom 25% | SF: 1.000 Px D

Image Display | Data8 [Active]

Preparing to Archive Details...

HC Saving Field #174's Details ...

174 of 461

Preparing to Archive Details...

HC Saving Field #174's Details ...

174 of 461

Blob Count: 3 | Field Number | Zoom 100% | SF: 1.000Px Default

Data Tree

- Data8
 - Object Summary Statistics
 - Object Summary Graphs
 - Class 1
 - Image 1
 - Field Summary Statistics
 - Field Summary Graphs
 - Field Image Montage
 - Field Data

Graph Setup

Graph 1

Graph 2

Visible

Image #: 1

Select Class #: 1

Object #: All Average 1.1 1.2 1.3

View Data: Raw Data Corrected Data

View Measurements:

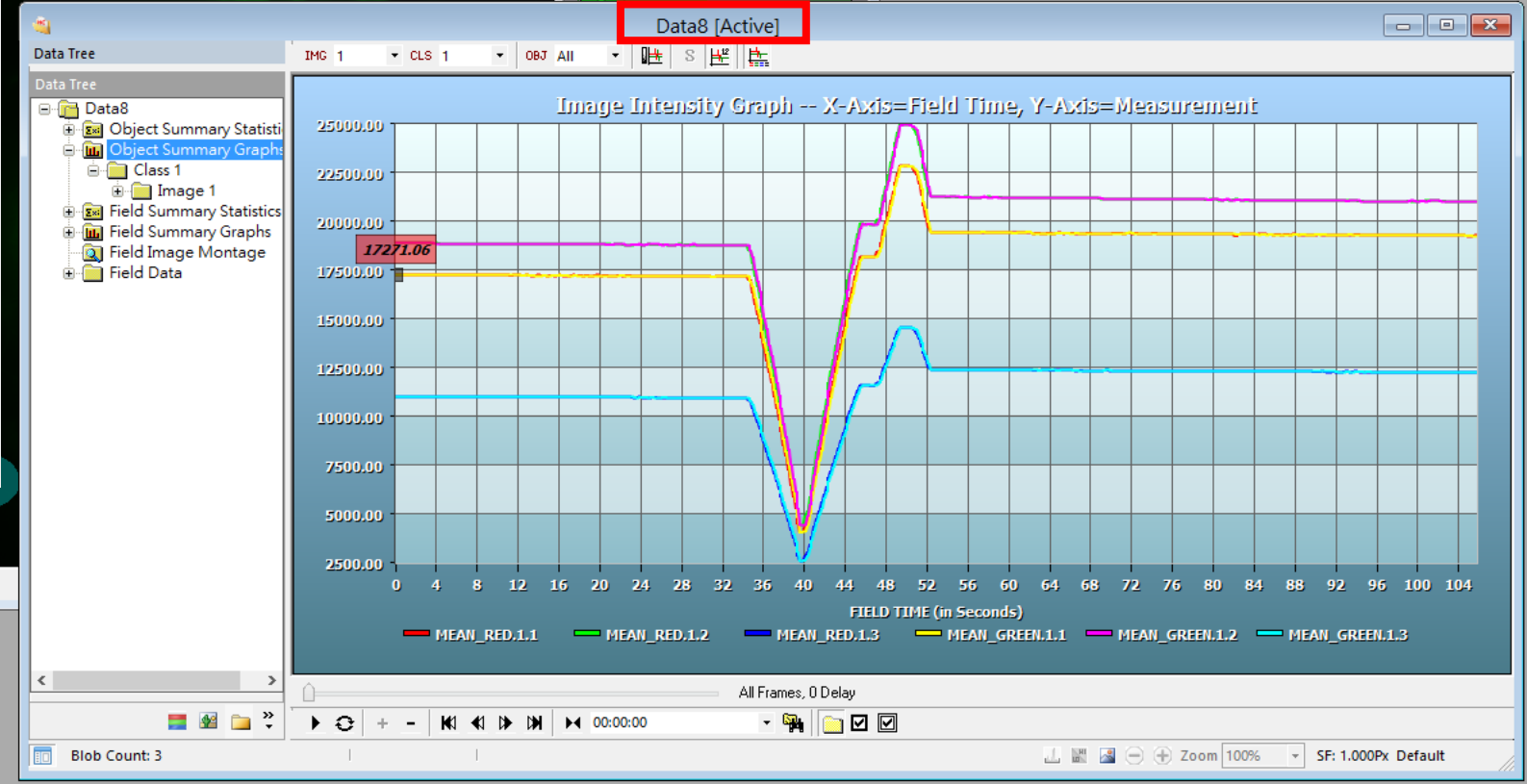
- MEAN_RED
- MEAN_GREEN
- RATIO_OF_MEANS...

Image Display

Histogram

Roi Log Sat Stats

RGB Intensity 16 Bits



Data8 [Active]

Data8 [Active]

Data Tree

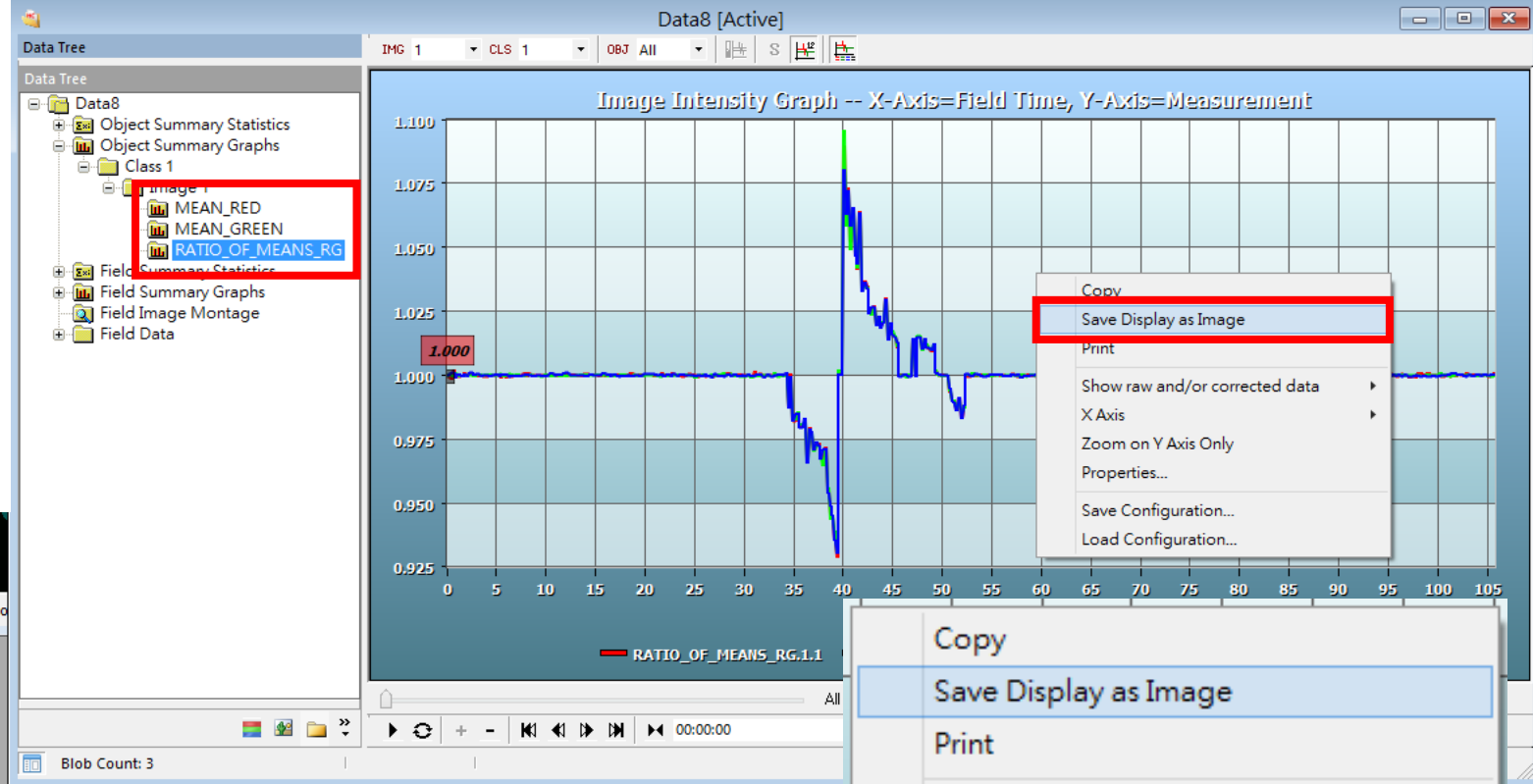
- Data8
 - Object Summary Statistics
 - Object Summary Graphs
 - Class 1
 - Image 1
 - MEAN_RED
 - MEAN_GREEN
 - RATIO_OF_MEANS_RG**
 - Field Summary Statistics
 - Field Summary Graphs
 - Field Image Montage
 - Field Data

Image Display

Histogram

Roi Log Sat Stats

RGB Intensity 16 Bits



- Copy
- Save Display as Image**
- Print
- Show raw and/or corrected data
- X Axis
- Zoom on Y Axis Only
- Properties...
- Save Configuration...
- Load Configuration...

- Copy
- Save Display as Image**
- Print
- Show raw and/or corrected data
- X Axis
- Zoom on Y Axis Only
- Properties...
- Save Configuration...
- Load Configuration...

Draw Erase

Graph Setup

Graph 1
Graph 2

Visible

Image #: 1

Select Class #: 1

Object #: All Average 3 <-Count

1.1
 1.2
 1.3

View Data:
 Raw Data Corrected Data

View Measurements:
 MEAN_RED
 MEAN_GREEN
 RATIO_OF_MEANS_RG

Sequence

Capture | Devices | Sequence | Analysis

Select Scan Type: Time Lapse Use Scheduler DIA Analysis

Frame Bundle: 2 Start Stop

Progress: [] fps Time Elapsed: []

Event Marker: 0 Delay Remaining: 00:00:00

Scan Settings

Intensity Analysis

Object Classes: Class 1, Background 1

Draw Objects: Draw, Erase

Graph Setup

Graph 1, Graph 2

Image #: 1

Select Class #: 1

Object #: All, Average, 1.1, 1.2, 1.3 Count: 3

View Data: Raw Data, Corrected Data

View Measurements: MEAN_RED, MEAN_GREEN, RATIO_OF_MEANS_RG

16

Image View

Graph View

Spreadsheet View

Table View

Histogram View

Histogram Spreadsheet

Histogram Table

Data Tree

- Data8
 - Object Summary Statistics
 - Object Summary Graphs
 - Class 1
 - Image 1
 - MEAN_RED
 - MEAN_GREEN
 - RATIO_OF_MEANS_RG
 - Field Summary Statistics
 - Field Summary Graphs
 - Field Image Montage
 - Field Data

FIELD TIME (in Seconds)

1.000

RATIO_OF_MEANS_RG.1.1 RATIO_OF_MEANS_RG.1.2 RATIO_OF_MEANS_RG.1.3

All Frames, 0 Delay

00:00:00

Blob Count: 3

Zoom 100% SF: 1.000Px Default

File Edit View Graph Image Window Help

Open Save Copy to Clipboard Copy to Document 1x Merge

View Image Region View Overlay Clear Calibration

Sequence

Capture Devices Sequence Analysis

Select Scan Type Time Lapse Use Scheduler DIA Analysis

Frame Bundle 2 Start Stop

Progress

Event Marker: 0 Delay Remaining: 00:00:00

Scan Settings

Intensity Analysis

Object Classes: Class 1, Background 1

Draw Objects: Draw, Erase

Graph Setup

Graph 1, Graph 2

Image #: 1

Select Class #: 1

Object #: All, 1.1, 1.2, 1.3 Count: 3

View Data: Raw Data, Corrected Data

View Measurements: MEAN_RED, MEAN_GREEN, RATIO_OF_MEANS_RG

Image Display

Histogram

Data Tree

- Data8
 - Object Summary Statistics
 - Object Summary Graphs
 - Class 1
 - Image 1
 - MEAN_RED
 - MEAN_GREEN
 - RATIO_OF_MEANS_RG
 - Field Summary Statistics
 - Field Summary Graphs
 - Field Image Montage
 - Field Data

Table (highlighted in red):

	A	B	
1	FIELD#	FLD TIME(sec.)	RATIO...
2	1	0.000000	0.9996
3	2	0.223373	0.9994
4	3	0.446617	0.9984
5	4	0.684119	1.0019
6	5	0.913599	1.0001
7	6	1.144215	0.9995
8	7	1.380841	0.9996
9	8	1.607332	0.9998
10	9	1.843601	1.0008
11	10	2.068208	1.0000
12	11	2.304087	1.0003
13	12	2.533437	0.9999
14	13	2.760188	1.0002
15	14	2.990447	0.9997
16	15	3.222818	0.9994
17	16	3.445184	1.0002
18	17	3.677425	0.9996
19	18	3.904566	0.9994
20	19	4.136676	0.9996
21	20	4.370671	1.0000
22	21	4.600670	1.0002

Blob Count: 3

Data8 [Active]

IMG 1 CLS 1 OBJ All

	A	B	C
1	FIELD#	FLD TIME(sec.)	RATIO_OF_MEANS_RG.1.1
2	1	0.000000	0.999635
3	2	0.223373	0.999479
4	3	0.446617	0.998412
5	4	0.684119	1.001978
6	5	0.913599	1.000181
7	6	1.144215	0.999597
8	7	1.380841	0.999677
9	8	1.607332	0.999812
10	9	1.843601	1.000832
11	10	2.068208	1.000026
12	11	2.304087	1.000354
13	12	2.533437	0.999946
14	13	2.760188	1.000246
15	14	2.990447	0.999731
16	15	3.222818	0.999460
17	16	3.445184	1.000216
18	17	3.677425	0.999623
19	18	3.904566	0.999465
20	19	4.136676	0.999698
21	20	4.370671	1.000056
22	21	4.600670	1.000210

Intensity Measurement Data

File Edit View Graph Image

New Ctrl+N
 Open... Ctrl+O
Save Ctrl+S
 Save As...
 Export collection
 Export Image Sequence
 Export
 Import Images...
 Merge Images
 Batch Export...
 Print... Ctrl+P
 Print Setup...
 Current Profile...
 Manage Profiles...
 Recently Used Files
 Exit

Image Display

Histogram
 Roi Log Sat Stats
 RGB Intensity 16 Bits

Data8 [Active]

	A	B	C	D	E
1	FIELD#	FLD TIME(sec.)	RATIO_OF_MEANS_RG. 1.1	RATIO_OF_MEANS_RG. 1.2	RATIO_OF_MEANS_RG. 1.3
2	1	0.000000	0.999635	0.999478	0.999820
3	2	0.223373	0.999479	1.000259	1.000212
4	3	0.446617	0.998412	1.000180	1.001005
5	4	0.684119	1.001978	0.999243	1.000786
6	5	0.913599	1.000181	1.000743	0.999131
7	6	1.144215	0.999597	0.999777	1.000319
8	7	1.380841	0.999677	0.999696	1.000047
9	8	1.607332	0.999812	1.000132	0.999624
10	9	1.843601	1.000832	0.999963	1.000290
11	10	2.068208	1.000026	0.999750	0.999431
12	11	2.304087	1.000354	0.999898	1.000980
13	12	2.533437	0.999946	1.000186	1.000872
14	13	2.760188	1.000246	0.999449	0.999975
15	14	2.990447	0.999731	1.000043	1.000264
16	15	3.222818	0.999460	1.000237	1.000369
17	16	3.445184	1.000216	1.000065	0.999679
18	17	3.677425	0.999623	0.999423	1.000090
19	18	3.904566	0.999465	1.000426	0.999802
20	19	4.136676	0.999698	1.000212	1.000086
21	20	4.370671	1.000056	1.000222	0.999315
22	21	4.600670	1.000010	0.999897	1.000199

Intensity Measurement Data /

All Frames, 0 Delay

Count: 3

Zoom 100% SF: 1.000Px Default

Image Display Data8 [Active]

Sequence

Capture | Devices | Sequence | Analysis

Select Scan Type: Time Lapse Use Scheduler DIA Analysis

Frame Bundle 2 Start Stop

Progress: [] fps Time Elapsed: []

Event Marker: 0 Delay Remaining: 00:00:00

Scan Settings

Intensity Analysis

Object Classes: Class 1, Background 1

Draw Objects: Draw, Erase

Graph Setup

Graph 1, Graph 2

Visible

Image #: 1

Select Class #: 1

Object #: All, Average, 1.1, 1.2, 1.3 [3] <-Count

View Data: Raw Data, Corrected Data

View Measurements: MEAN_RED, MEAN_GREEN, RATIO OF MEANS RG

Image Display

Histogram: Roi, Log, Sat, Stats

RGB Intensity 16 Bits

Data8 [Active]

IMG 1 CLS 1 OBJ All

Data Tree

Blob Co

Save Spreadsheet

儲存於(I): 桌面

最近的位置: 桌面

家用群組, user, 本機, 媒體櫃, 網路

檔案名稱(N): Data8_Intensity Measurement Data

儲存類型(T): Comma Separated Values (*.csv)

存檔(S), 取消

	E
	OF_MEANS_RG.1.3
	20
	12
	05
	36
	31
	19
	47
	24
	30
	31
	30
	72
	75
	34
	39
	79
	30
	02
	36
	15
	27

Sequence Capture Devices Sequence Analysis

Select Scan Type: Time Lapse Use Scheduler DIA Analysis

Frame Bundle: 2

Progress: fps Time Elapsed:

Event Marker: 0: Delay Remaining: 00:00:00

Scan Settings

AutoSave

CXD TIFF MPTIFF Live Image Review

Enable Maximum Control:

0 Delay Field Delay1: 0.0 sec Field Delay2: 0.0 sec

to Disk to Memory (544)

End Frame: 0 End Time: 0.0 sec

Intensity Analysis

Object Classes: Class 1, Background 1

Show All Blobs

Draw Objects: Draw Erase

Graph Setup

Data8

Image Intensity Graph -- X-Axis=Field Time, Y-Axis=Measurement

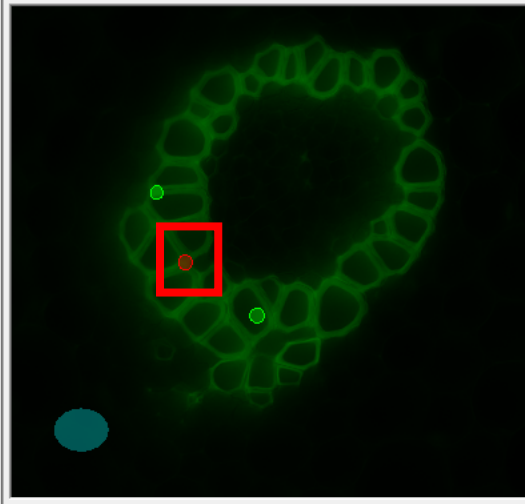
Legend: MEAN_RED.1.1, MEAN_RED.1.2, MEAN_RED_corrected.1.3

Value at Field #139 is 18783.10.

00:00:31.7488

Zoom 19% SF: 1.000Px Default

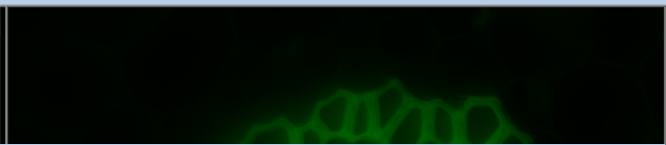
- Data Tree
- Data8
- Object Summary Stat
- Object Summary Gra
- Class 1
- Image 1
- MEAN_RED
- MEAN_GRI
- RATIO_OF_
- Field Summary Statist
- Field Summary Graph
- Field Image Montage
- Field Data
- Field 1
- Field Details
- Original Image
- Field 2
- Field 3
- Field 4
- Field 5
- Field 6
- Field 7
- Field 8
- Field 9
- Field 10
- Field 11
- Field 12
- Field 13
- Field 14
- Field 15
- Field 16
- Field 17
- Field 18
- Field 19
- Field 20
- Field 21
- Field 22
- Field 23
- Field 24
- Field 25
- Field 26
- Field 27
- Field 28
- Field 29
- Field 30
- Field 31
- Field 32



- New Ctrl+N
- Open... Ctrl+O
- Open File Type...
- Close
- Save Ctrl+S
- Save As...
- Export collection
- Export Image Sequence**
- Export
- Import Images...
- Merge Images
- Batch Export...
- Print... Ctrl+P
- Print Setup...
- Current Profile...
- Manage Profiles...
- Recently Used Files
- Exit

- Copy to Clipboard
- Copy to Document
- Analysis
- Use Scheduler
- DIA Analysis
- All Components**
- Red Component
- Green Component
- Blue Component
- Processed Image
- Display Image
- Display Image + All Layers

Data8



Data Tree

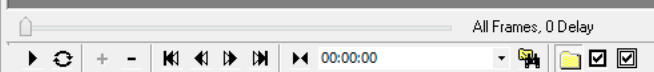
- Data8
 - Object Summary Statistics
 - Object Summary Graphs
 - Class 1
 - Image 1
 - MEAN_RED
 - MEAN_GREEN
 - RATIO_OF_MEANS_F
 - Field Summary Statistics
 - Field Summary Graphs
 - Field Image Montage
 - Field Data
 - Field 1
 - Field Details
 - Original Image 1**
 - Field 2
 - Field 3
 - Field 4

Erase



field 12

Blob Count: 3



All Frames, 0 Delay

00:00:00

Zoom 19%

SF: 1.000 Px Default

Graph Setup

Graph 1

Export Original Image Sequence

Sequence

Capture | Devices | Sequence | Analysis

Select Scan Type: Time Lapse Use Scheduler DIA Analysis

Frame Bundle: 2

Progress: [] fps Time Elapsed: []

Event Marker: 0: [] Delay Remaining: 00:00:00

Scan Settings

AutoSave []

CXD TIFF MPTIFF Live Image Review

Enable Maximum Control:

0 Delay End Frame: 0 Continuous End Time: 0.0 sec

Field Delay1: 0.0 sec Field Delay2: 0.0 sec

to Disk to Memory (544) RAM...

Intensity Analysis

Object Classes: Class 1, Background 1

Show All Blobs

Draw Objects: Draw Erase [] [] [] [] []

Graph Setup

Graph 1

Data8

Data Tree

- Data8
 - Object Summary Statistics
 - Object Summary Graphs
 - Class 1
 - Image 1
 - MEAN_RED
 - MEAN_GREEN
 - RATIO_OF_MEANS_F
 - Field Summary Statistics
 - Field Summary Graphs
 - Field Image Montage
 - Field Data
 - Field 1
 - Field Details
 - Original Image 1
 - Field 2
 - Field 3
 - Field 4
 - Field 5
 - Field 6
 - Field 7
 - Field 8
 - Field 9
 - Field 10
 - Field 11
 - Field 12
 - Field 13
 - Field 14
 - Field 15
 - Field 16
 - Field 17
 - Field 18
 - Field 19
 - Field 20
 - Field 21
 - Field 22
 - Field 23
 - Field 24
 - Field 25
 - Field 26
 - Field 27
 - Field 28
 - Field 29
 - Field 30
 - Field 31
 - Field 32

Image Display: [Image of a green field with a blue circle]

00:00:00 All Frames, 0 Delay

Setup Exporting Parameters

Zoom 19% SF: 1.000 Px Default

Export Images

Export Drive, Path, Root, & Type

Type: Data Files (*.cxd) Current Image All Images

C:\Users\user\Documents\Data8_2.cxd

Get Name From: Data Document

Field Range:

All Current Define Fields: []

Enter field numbers and/or field ranges separated by commas, e.g. 1,3,5-10,20

Export Options

Convert 48-bit to 24-bit Keep Original Numbers Renumber Sequentially

Beginning Number: 1

Result

HC → HC

Fields: 1 to 461, incr. 1. Total Items : 461

Sequence

Capture | Devices | Sequence | Analysis

Select Scan Type: Time Lapse Use Scheduler DIA Analysis

Frame Bundle: 2

Progress: [] fps Time Elapsed: []

Event Marker: 0: [] Delay Remaining: 00:00:00

Scan Settings

AutoSave []

CXD TIFF MPTIFF Live Image Review

Enable Maximum Control:

0 Delay Continuous

Field Delay1: 0.0 sec End Frame: 0

Field Delay2: 0.0 sec End Time: 0.0 sec

to Disk to Memory (542) RAM...

Intensity Analysis

Object Classes: Class 1, Background 1

Show All Blobs

Draw Objects: Draw Erase

Graph Setup

Graph 1

Data8

Data Tree

- Data Tree
 - Data8_2 [Active]
 - Field Image Montage
 - Field Data

Export

Exporting Images to CXD file

HC

97 of 461

Exporting C:\Users\user\Documents\Dat...

Zoom 25% SF: 1.000 Px Default

All Frames, 0 Delay

00:00:00

Setup Exporting Parameters

Zoom 19% SF: 1.000 Px Default

Image Display | Data8 | Data8_2 [Active]

Sequence

Capture | Devices | Sequence | Analysis

Select Scan Type: Time Lapse Use Scheduler DIA Analysis

Frame Bundle: 2 **Start** **Stop**

Progress: [] fps Time Elapsed: []

Event Marker: 0: [] Delay Remaining: 00:00:00

Scan Settings

AutoSave ...

CXD TIFF MPTIFF Live Image Review

Enable Maximum Control:

0 Delay Field Delay1: 0.0 sec Field Delay2: 0.0 sec Continuous End Frame: 0 End Time: 0.0 sec

to Disk to Memory (542) RAM...

Intensity Analysis

Object Classes: Class 1, Background 1 **Add** **Ratio** **Select Measure**

Draw Objects

Draw Erase

Graph Setup

Data8

Data Tree

- Data Tree
 - Data8_2 [Active]
 - Field Summary Graph
 - Field Image Montage
 - Field Data
 - Field 1
 - Field Details
 - Original Image
 - Image Det.
 - Field 2
 - Field 3
 - Field 4
 - Field 5
 - Field 6
 - Field 7
 - Field 8
 - Field 9
 - Field 10
 - Field 11
 - Field 12
 - Field 13
 - Field 14
 - Field 15
 - Field 16
 - Field 17
 - Field 18
 - Field 19
 - Field 20
 - Field 21
 - Field 22
 - Field 23
 - Field 24
 - Field 25
 - Field 26
 - Field 27
 - Field 28
 - Field 29
 - Field 30
 - Field 31
 - Field 32

Data8_2 [Active]

Original Image

All Frames, 0 Delay

Field#: 1

Zoom 30% SF: 1.000 Px Default

All Frames, 0 Delay

00:00:00

Blob Count: 3

Image Display | Data8 | Data8_2 [Active]

Image Display | Data8 | Data8_2 [Active]

Sequence Capture Devices Sequence Analysis

Select Scan Type: Time Lapse (dropdown menu)
 Use Scheduler
 DIA Analysis
 Frame Bundle
 Progress: [Progress bar]
 Time Elapsed: [Time display]
 Event Marker: 0 (dropdown menu)
 Delay Remaining: 00:00:00

Scan Settings

AutoSave

CXD
 TIFF
 MPTIFF

Live Image
 Review

Enable Maximum

Control:

0 Delay
 Field Delay1: 0.0 sec
 Field Delay2: 0.0 sec

Continuous
 End Frame: 0
 End Time: 0.0 sec

to Disk
 to Memory (542) RAM...

Intensity Analysis

Object Classes: Class 1, Background 1

Buttons: Add, Ratio, Background, Remove, Select Measure

Draw Objects: Draw, Erase (with various drawing tools)

Graph Setup

Graph 1

Sequence Capture Devices Sequence Analysis

Select Scan Type: Time Lapse (dropdown menu)
 Use Scheduler
 DIA Analysis
 Frame Bundle
 Progress: [Progress bar]
 Time Elapsed: [Time display]
 Event Marker: 0 (dropdown menu)
 Delay Remaining: 00:00:00

Field List: Field 5 to Field 22

Image View: Green fluorescence image of a cell structure

Intensity Analysis

Object Classes: Class 1, Background 1

Buttons: Add, Ratio, Background, Remove, Select Measure

Draw Objects: Draw, Erase (with various drawing tools)

Sequence Capture Devices Sequence Analysis

Select Scan Type: Time Lapse (dropdown menu)
 Use Scheduler
 DIA Analysis
 Frame Bundle
 Progress: [Progress bar]
 Time Elapsed: [Time display]
 Event Marker: 0 (dropdown menu)
 Delay Remaining: 00:00:00

Field List: Field 5 to Field 22

Image View: Green fluorescence image of a cell structure

Intensity Analysis

Object Classes: Class 1, Background 1

Buttons: Add, Ratio, Background, Remove, Select Measure

Draw Objects: Draw, Erase (with various drawing tools)

Sequence

Capture Devices Sequence Analysis
fps Time Elapsed:
Event Marker: 0 Delay Remaining: 00:00:00

Intensity Analysis
Object Classes: Class 1, Background 1
Add, Background, Remove, Ratio, Show All Blobs, Select Measure
Draw Objects: Draw, Erase

Graph Setup
Graph 1, Graph 2
Visible
Image #: 1, Select Class #: 1, Object #: 4
View Data: Raw Data, Corrected Data
View Measurements: MEAN_RED, MEAN_GREEN, RATIO_OF_MEANS_RG
Display History: Full, Partial: 101 Fields, Show Legend, Show Events

Intensity Analysis
Object Classes: Class 1, Background 1
Add, Background, Remove, Ratio, Show All Blobs, Select Measure
Draw Objects: Draw, Erase

Data Tree
Field 14-29
Field 31-32
Image Display, Data8, Data8_2 [Active]
Blob Count: 4, 3
All Frames, 0 Delay
Field#: 1
00:00:00
Zoom 19%, SF: 1.000 Px Default

Graph Setup
Graph 1, Graph 2
Visible
Image #: 1, Select Class #: 1, Object #: 4
View Data: Raw Data, Corrected Data
View Measurements: MEAN_RED, MEAN_GREEN, RATIO_OF_MEANS_RG
Display History: Full, Fit, Show Legend, Show Events

Sequence

Capture | Devices | Sequence | Analysis

Select Scan Type: Data8_2.cxd Use Scheduler DIA Analysis

Frame Bundle: 2 **Start** Stop

Progress: [] fps Time Elapsed: []

Event Marker: 0: [] Delay Remaining: 00:00:00

Intensity Analysis

Object Classes: Class 1 Background 1 **Ratio** Show All Blobs **Select Measure**

Draw Objects: Draw Erase

Graph Setup

Graph 1 Visible

Graph 2

Image #: 1

Select Class #: 1

Object #: All Average 4 <<-Count

View Data: Raw Data Corrected Data

View Measurements: MEAN_RED MEAN_GREEN RATIO_OF_MEANS_RG

Sequence

Capture | Devices | Sequence | Analysis

Select Scan Type: Data8_2.cxd Use Scheduler DIA Analysis

Frame Bundle: 2 **Start** Stop

Field 3
Field 4
Field 5
Field 6
Field 7
Field 8
Field 8
Field 9
Field 10
Field 11
Field 12
Field 13
Field 14
Field 15
Field 16
Field 17
Field 18
Field 19
Field 20
Field 21
Field 22
Field 23
Field 24
Field 25
Field 26
Field 27
Field 28
Field 29

All Frames, 0 Delay

Field#: 1

Blob Count: 4

Zoom 30% SF: 1.000 Px Default

Field 31
Field 32

All Frames, 0 Delay

00:00:00

Blob Count: 3

Zoom 19% SF: 1.000 Px Default

Sequence

Capture | Devices | Sequence | Analysis

Select Scan Type: Data8_2.cxd Use Scheduler DIA Analysis

Frame Bundle: 2

Progress: [] fps Time Elapsed: []

Event Marker: 0 Delay Remaining: 00:00:00

Intensity Analysis

Object Classes: Class 1, Background 1

Draw Objects: Draw Erase [Drawing Tools]

Graph Setup

Graph 1: Visible

Graph 2: Image #: 1 Select Class #: 1 Object #: All Average 1.1 1.2 1.3 1.4 <-Count 4

View Data: Raw Data Corrected Data

View Measurements: MEAN_RED MEAN_GREEN RATIO_OF_MEANS_RG

Data8

Data8_2 [Active]

Data Tree

- Data Tree
 - Data8_2
 - Field Summary Graph
 - Field Image Montage
 - Field Data
 - Field 1
 - Field Details
 - Original Image
 - Image Det.
 - Field 2
 - Field 3
 - Field 4
 - Field 5
 - Field 6
 - Field 7
 - Field 8
 - Field 9
 - Field 10
 - Field 11
 - Field 12
 - Field 13
 - Field 14
 - Field 15
 - Field 16
 - Field 17
 - Field 18
 - Field 19
 - Field 20
 - Field 21
 - Field 22
 - Field 23
 - Field 24
 - Field 25
 - Field 26
 - Field 27
 - Field 28
 - Field 29
 - Field 30
 - Field 31
 - Field 32

Image Display

Field#: 1 Blobs: 4 (Zoom 30%)

Field#: 00:00:00 Blobs: 3 (Zoom 19%)

HCIImage

Select the output format for your analysis.

Measure to...

Sequence

Capture | Devices | Sequence | Analysis

Select Scan Type: Data8_2.cxd Use Scheduler DIA Analysis

Frame Bundle: 2 Start Stop

Progress: [] fps Time Elapsed: []

Event Marker: 0 Delay Remaining: 00:00:00

Intensity Analysis

Object Classes: Class 1, Background 1

Add Remove Ratio Background Select Measure Show All Blobs

Draw Objects: Draw Erase

Graph Setup

Graph 1: Visible

Graph 2: Image #: 1 Select Class #: 1 Object #: All (4) Average 1.1 1.2 1.3 1.4

View Data: Raw Data Corrected Data

View Measurements: MEAN_RED MEAN_GREEN RATIO_OF_MEANS_RG

Data8

Data8_2 [Active]

Data Tree: Data8_2 (Field Summary Graph, Field Image Montage, Field Data, Field 1-29, Field Details, Original Image, Image Det...)

Original Image: [Image of green fluorescent structures]

Field#: 1

Blob Count: 4

Zoom: 30% SF: 1.000 Px Default

Field#: 1

00:00:00

Blob Count: 3

Zoom: 19% SF: 1.000 Px Default

HCImage

Do you want to replace data in "C:\Users\user\Documents\Data8_2.cxd" or create a new file?

Replace New Cancel

Sequence Capture Devices Sequence Analysis

Select Scan Type: Data8_2.cxd Use Scheduler DIA Analysis

Frame Bundle: 2 Start Stop

Progress: [] [] fps Time Elapsed: []

Event Marker: 0: [] Delay Remaining: 00:00:00

0 1 2 3 4 5 6 7 8 9

Intensity Analysis

Object Classes: Class 1 Background 1 Add Ratio Select Measure

Draw Objects: Draw Erase

Graph Setup

Graph 1 Visible

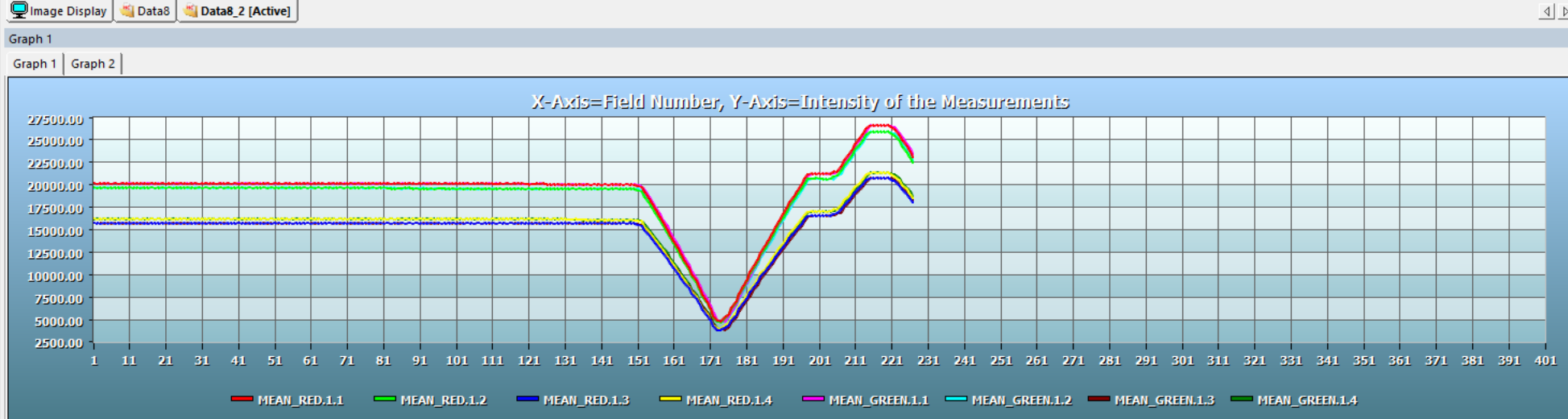
Image #: 1 Select Class #: 1 Object #: 4 <-Count

View Data: Raw Data Corrected Data

View Measurements: MEAN_RED MEAN_GREEN RATIO_OF_MEANS_RG

Data8 Data8_2 [Active]

Data Tree: Data8_2 (Field Summary Graph, Field Image Montage, Field Data, Field 1-18, Field Details, Original Image, Image Det.)



Thank you!