Time Measurement for Intensity Over Time + Create Montage



-Create ROIs and measure intensity over time:

'Create Snapshot' of the Graph is an option:

Time Measuremer	nt				\frown
🕨 Measure 🛛 🔳 S	itop 🚸 Step 🛛 🤅) 🕀 🖣 🖬 🖓 🖌	🇱 🕑 📑 Cal FR	RP 🛛 🖳 Export	
ROI: Define Oper	n Save Clear	│ Measurement: 🛏]	I44×*		Create Snapshot
ROI	Color	Intensity			
#1 - Standard	•	6000			
#2 - Standard	•				
#3 - Standard	-				
#4 - Standard	•	4000-			



Create Montage (with graph of Timelapse Dataset and Graph of Data) (Menu Location: Edit Menu \rightarrow 'Create Montage')

- Set number of rows and columns.
- Select the image set of interest.
- Click on the empty square and select 'Controls' to add in other measurements such as Histogram, Intensity Profile, Time Measurement, ROI Statistics, Spectrum Profile and Colocalization.

Montage View: Fluo4 timelapse exp	periment_crop.nd2	
Layout Rows: 1 Columns: 2 T Background: Autosize	Apply To Current Frame All Frames Close Close	
Fluo4 timelapse experiment_cropand2*	Click to colorat Images Controls Clear	Histogram Intensity Profile Time Measurement ROI Statistics Spectrum Profile Colocalization

In this case, we selected	Time Measurement	and selected OK:
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— Montage View: Fluo4 timelapse ex	periment_crop.nd2			
Layout Rows: 1 🛊 Columns: 2 🛊 Background: 💶 🗸 Autosize	Apply To Current Frame All Frames Selection: Time			
Synchronize views	•			
Fluo4 timelapse	Time Measurement			
Creating Snapshots				
	Cancel			

The result is a montage of the dataset and the Time Measurement graph that can be played as one dataset and saved out to an AVI.



HINT: If you would like to improve the resolution of the graph, undock the Time Measurement Dialog and widen or lengthen the graph to increase its size. In future NIS versions, the graph resolution will not depend on the size of the dialog at the time of the montage creation.