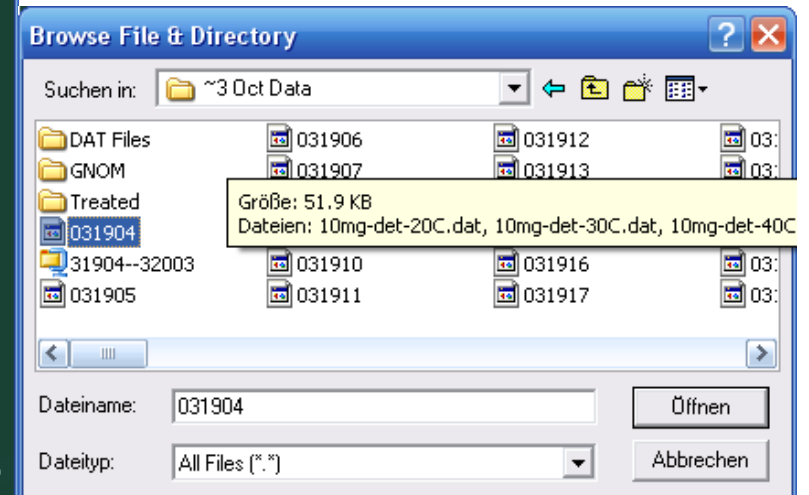


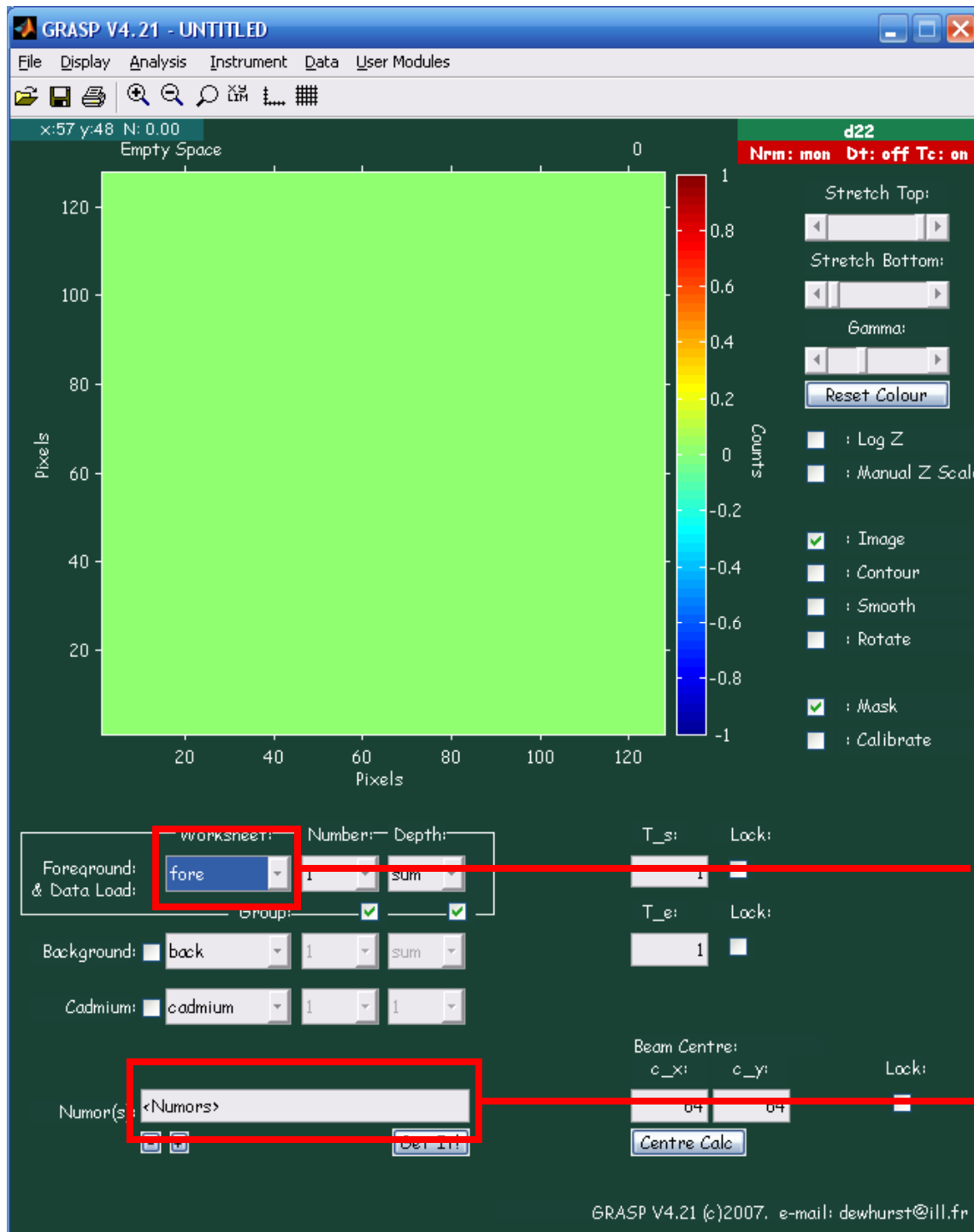
Set Data Directory so that GRASP knows where to look for data

-File

- Set Data Directory

- Then browse to data folder





**Use - Foreground:  
& Data Load:**

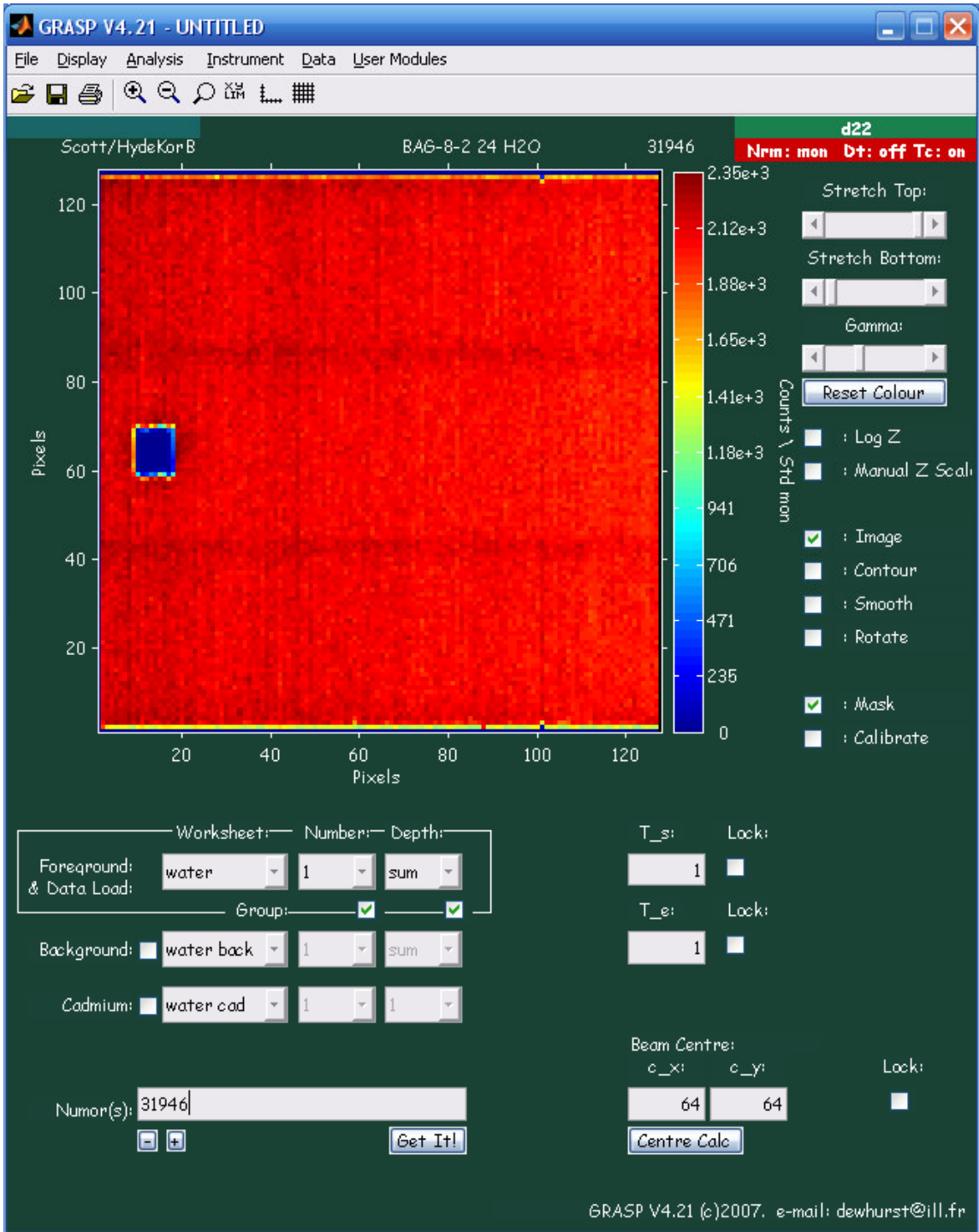
- Only use this tag for loading data
- Type number on Numor(s) line

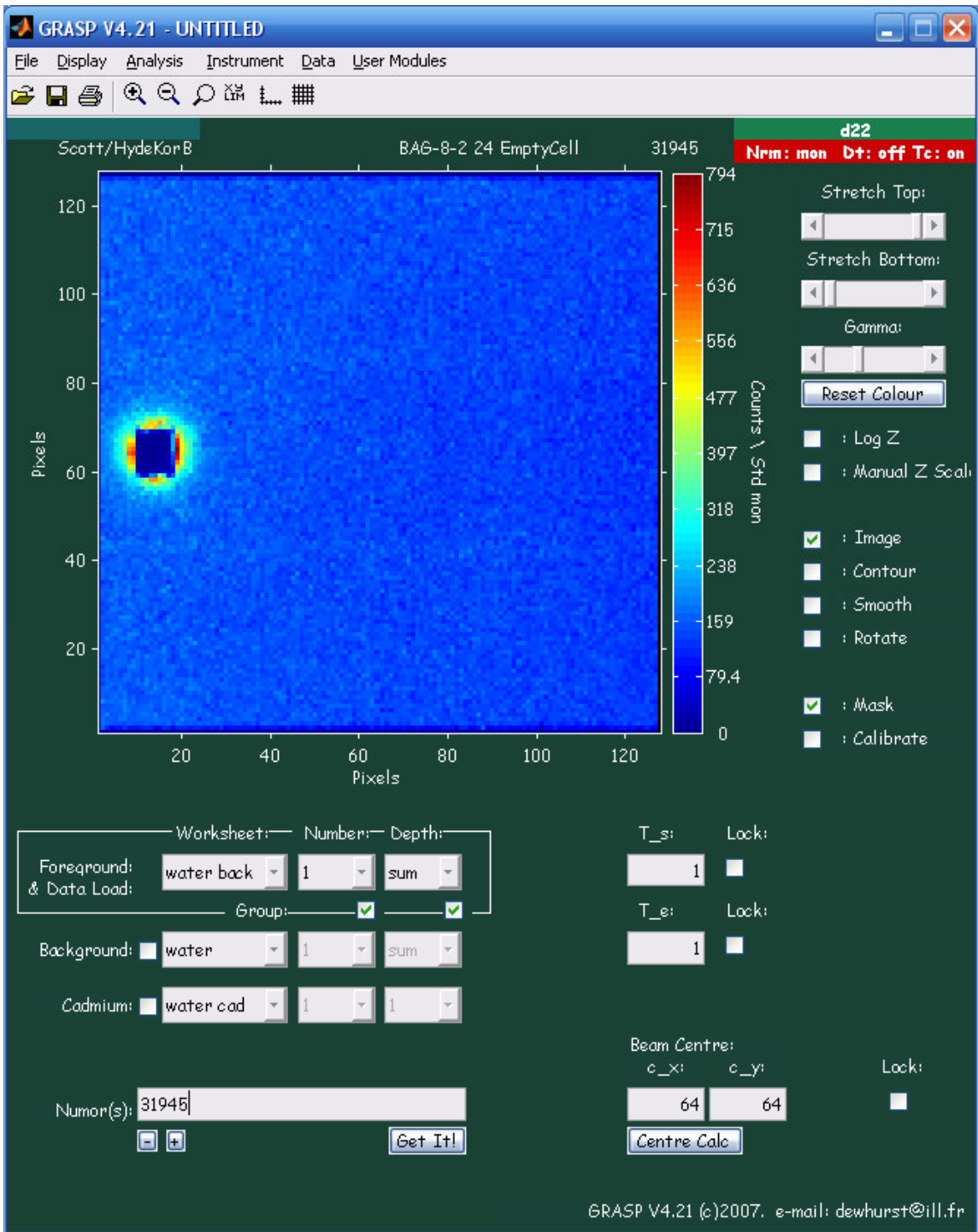
**First part of SANS data treatment –**

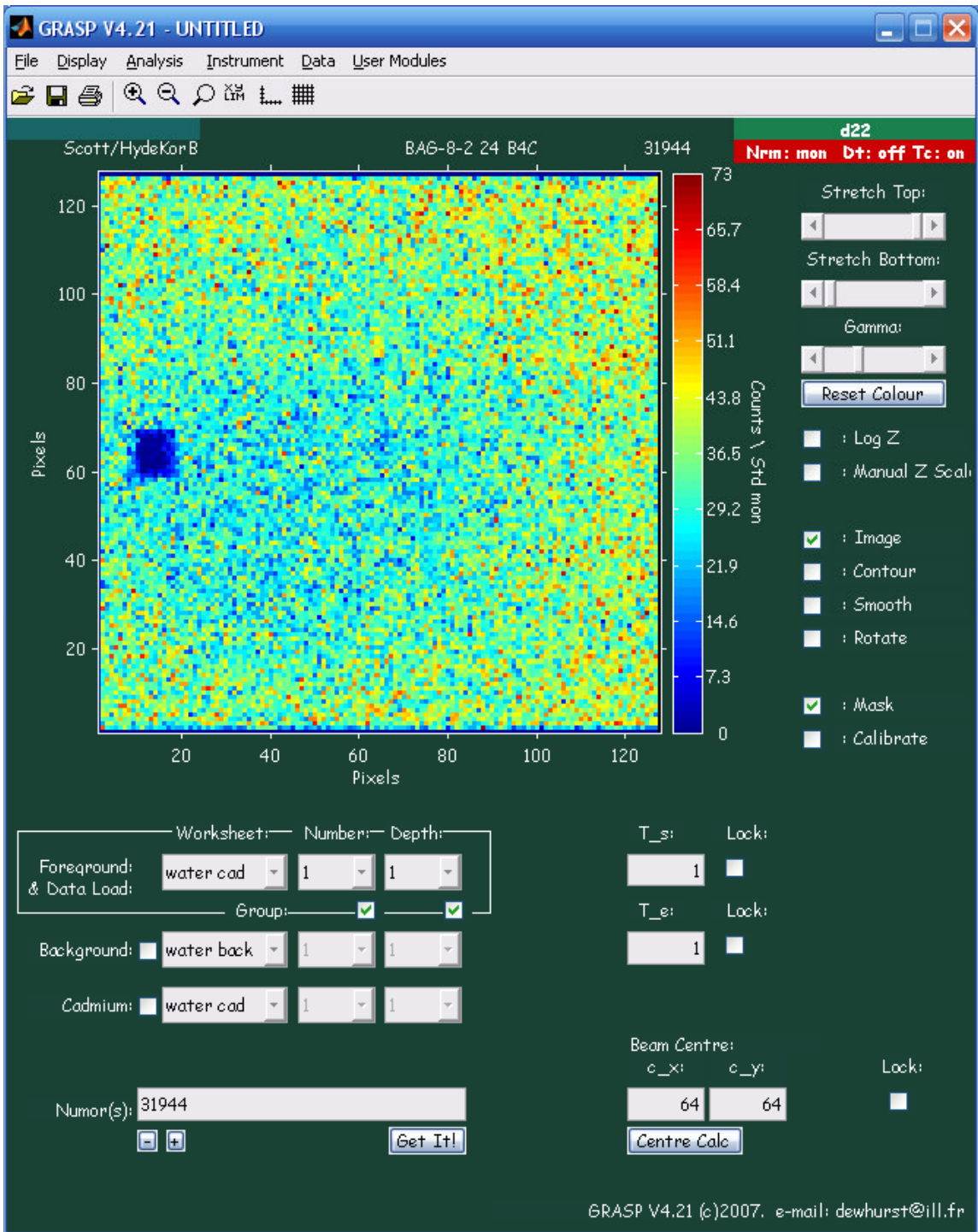
**Correct for Detector Efficiency**

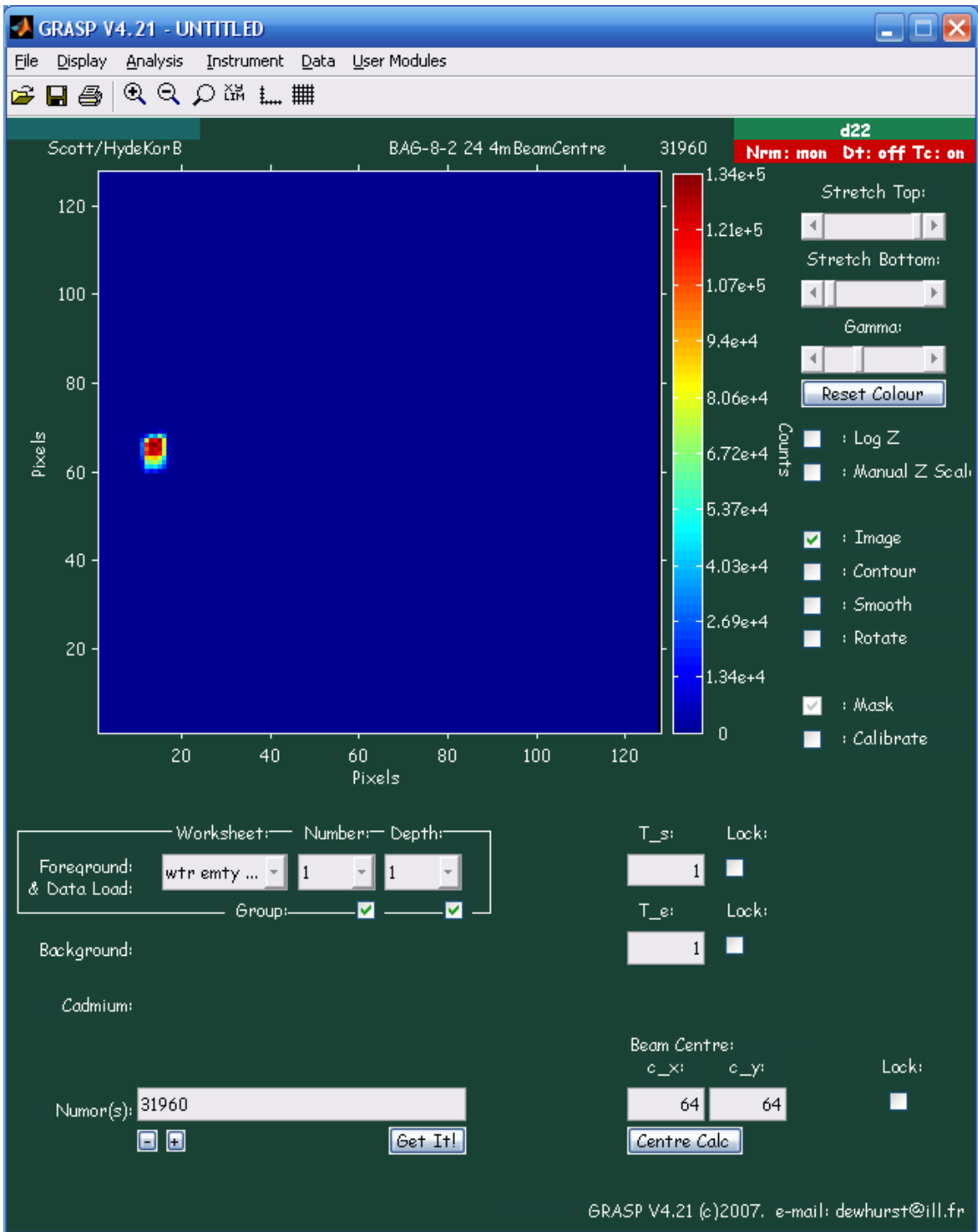
**Using a scattering substance that scatters uniformly across  
the detector**

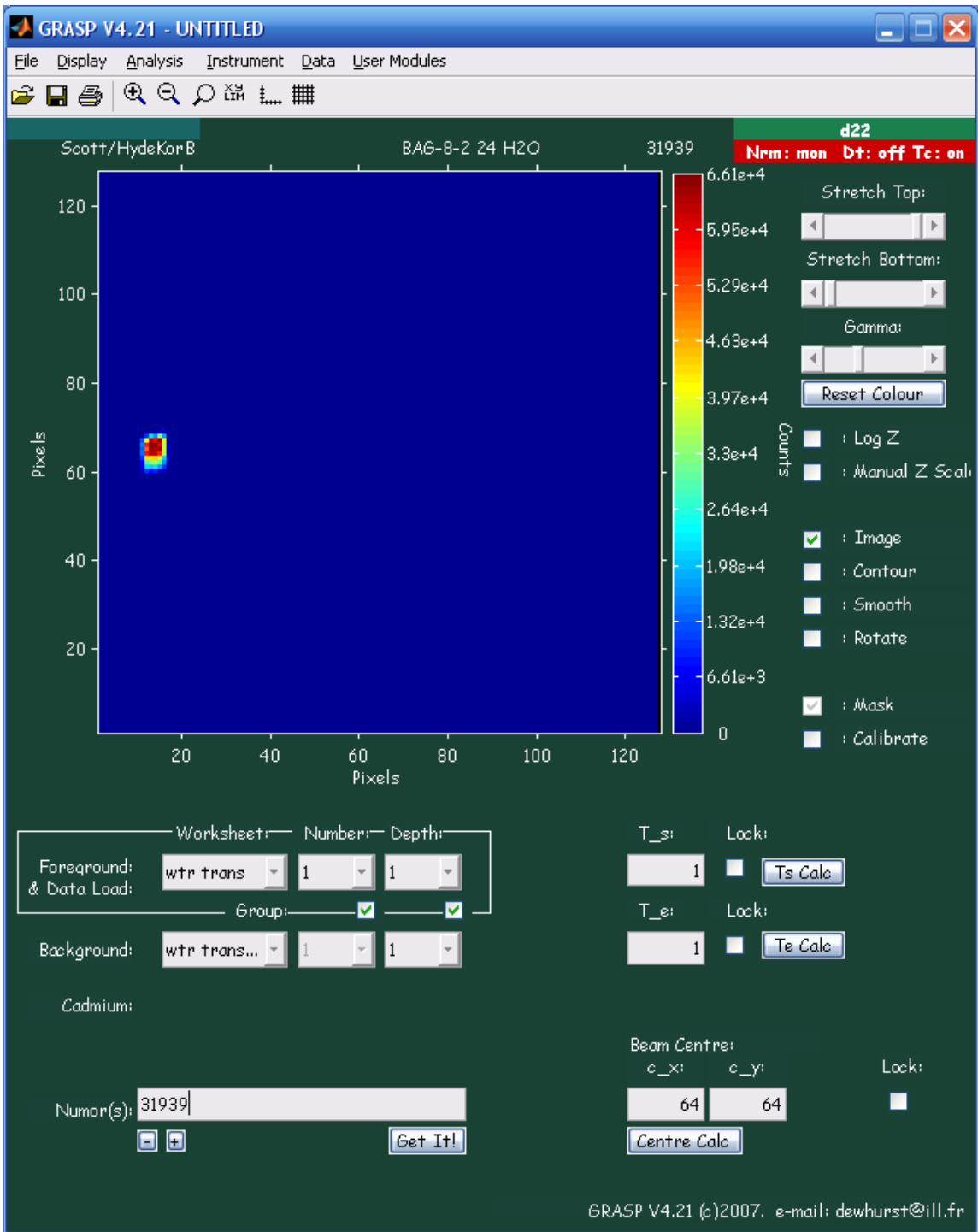
**For this use H<sub>2</sub>O**

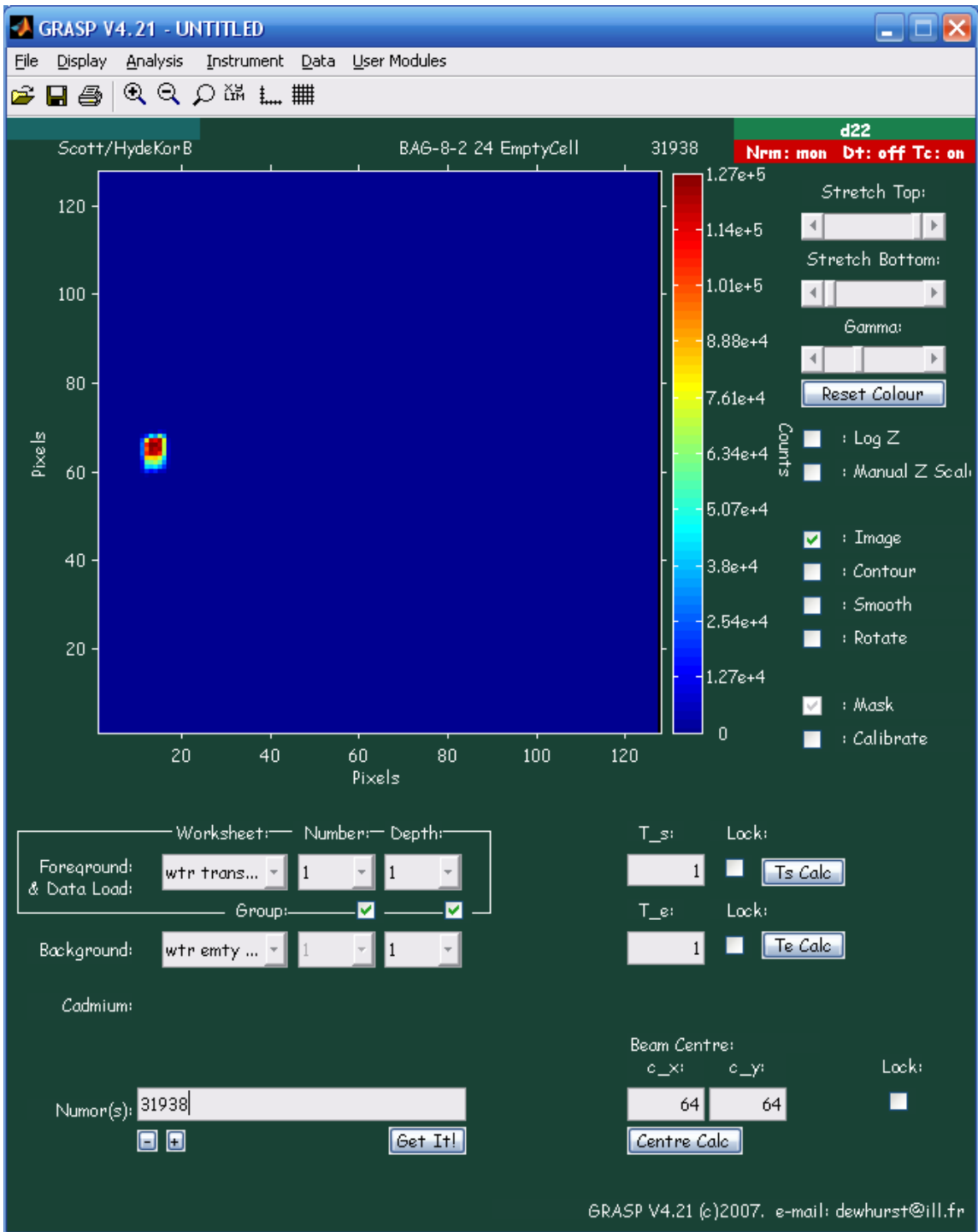


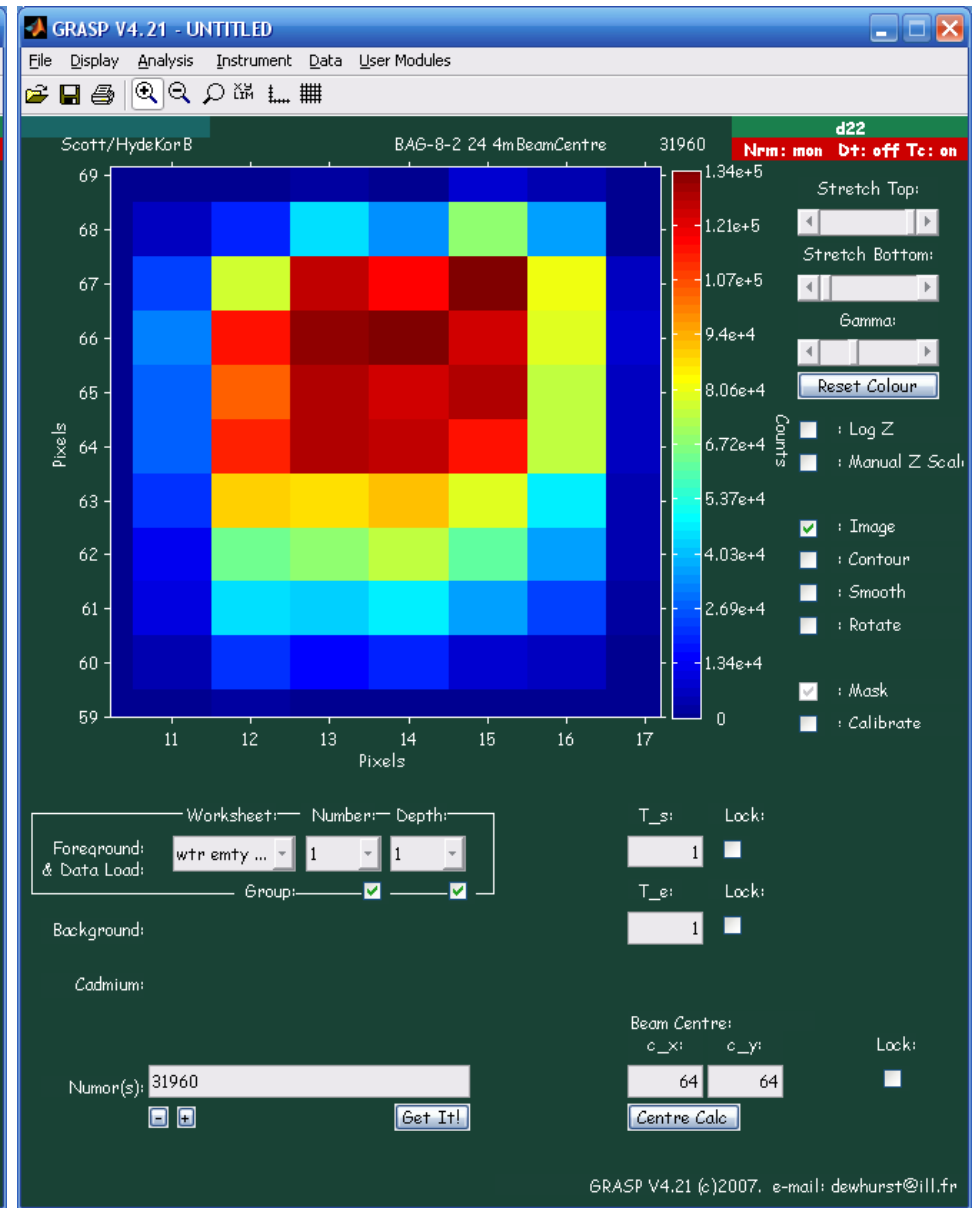
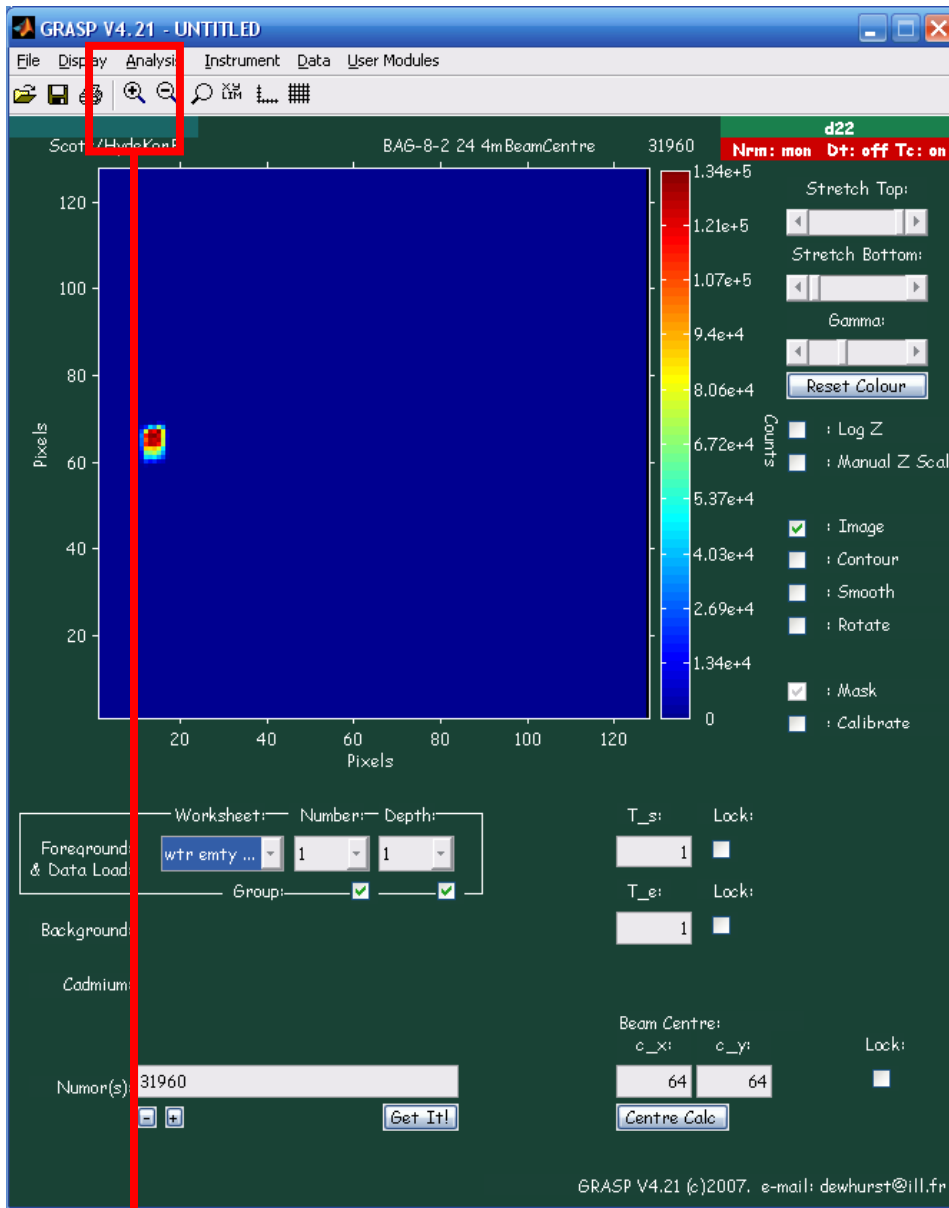




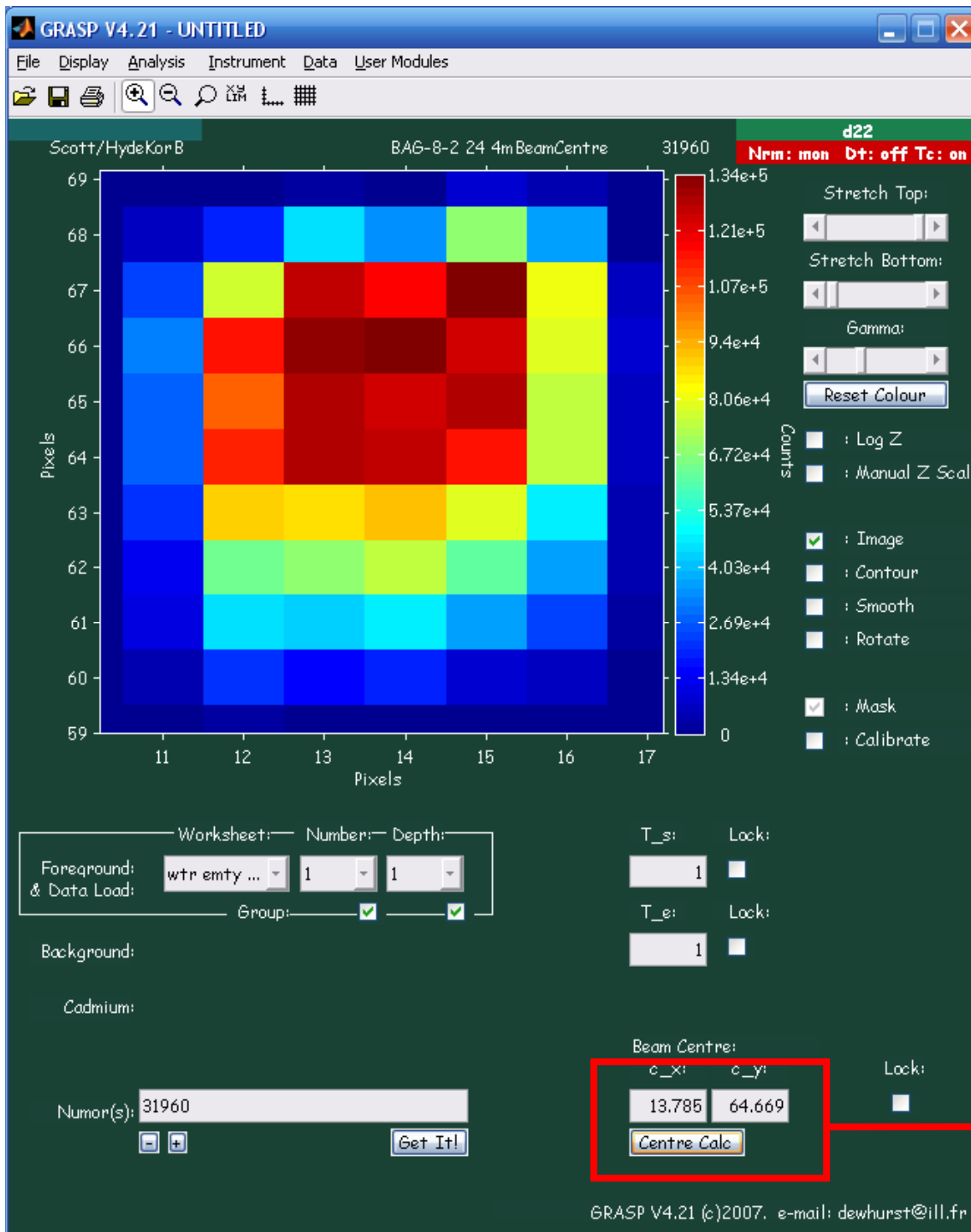




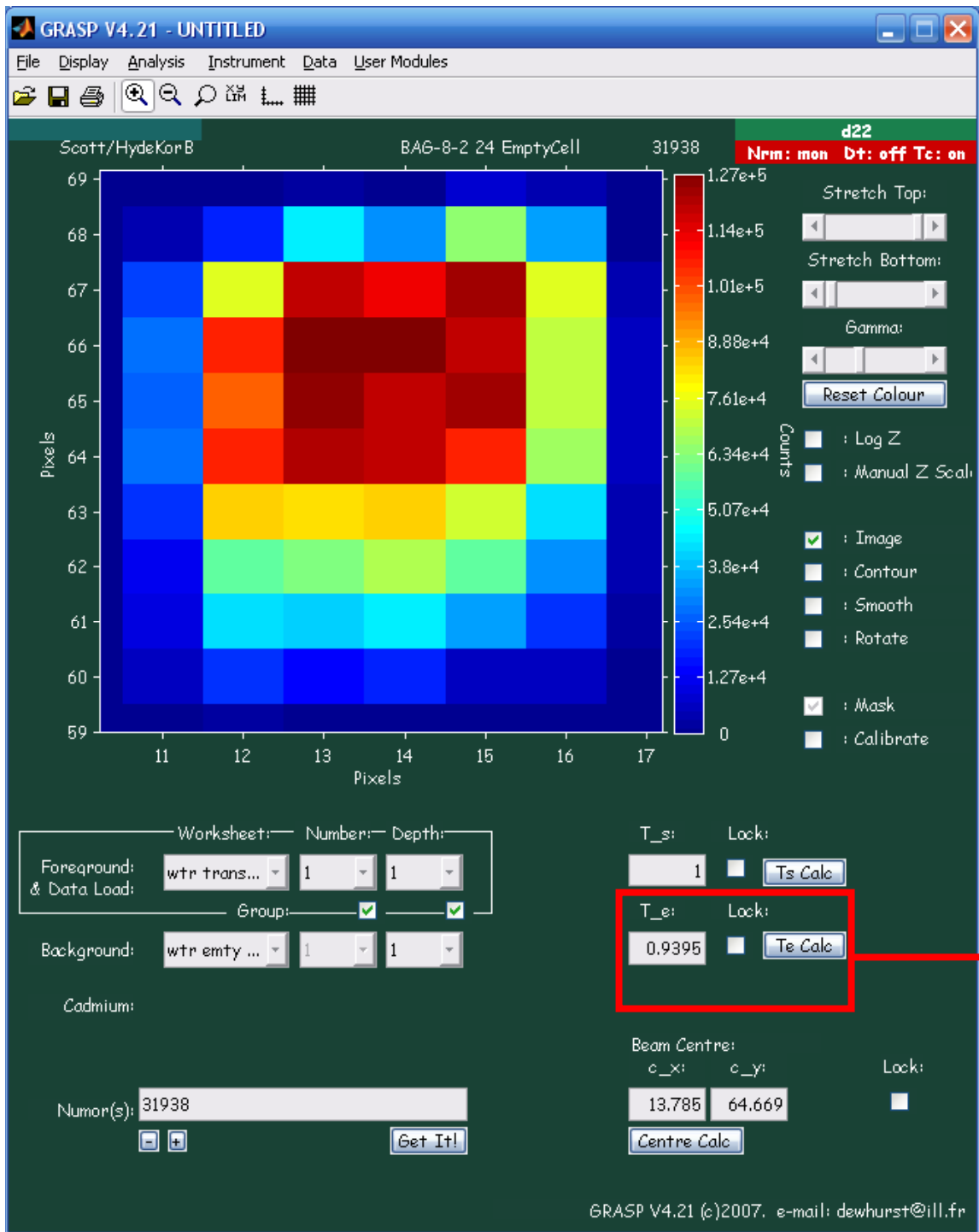




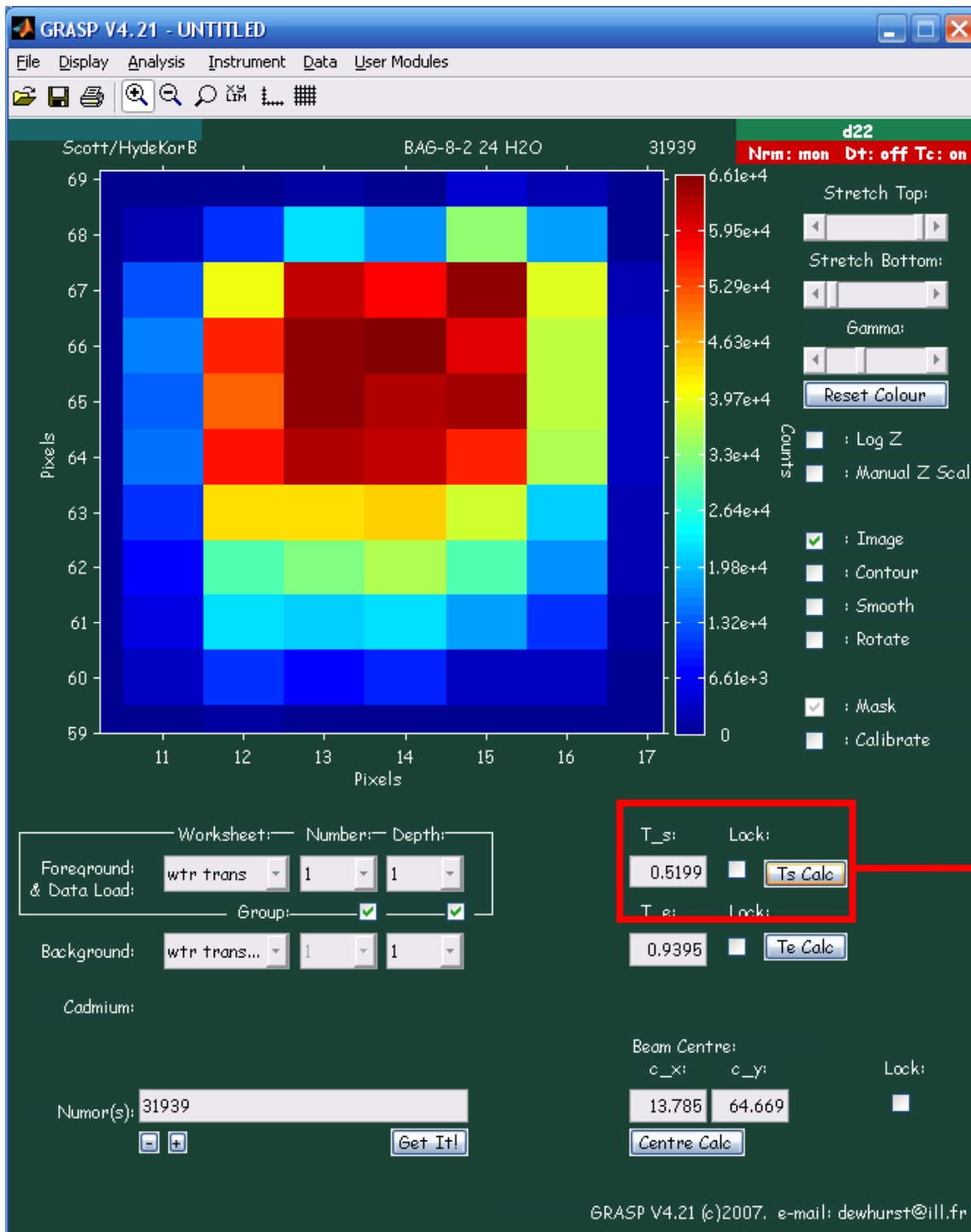
**Zoom in around beam transmission**  
**Press this icon and drag around beam**



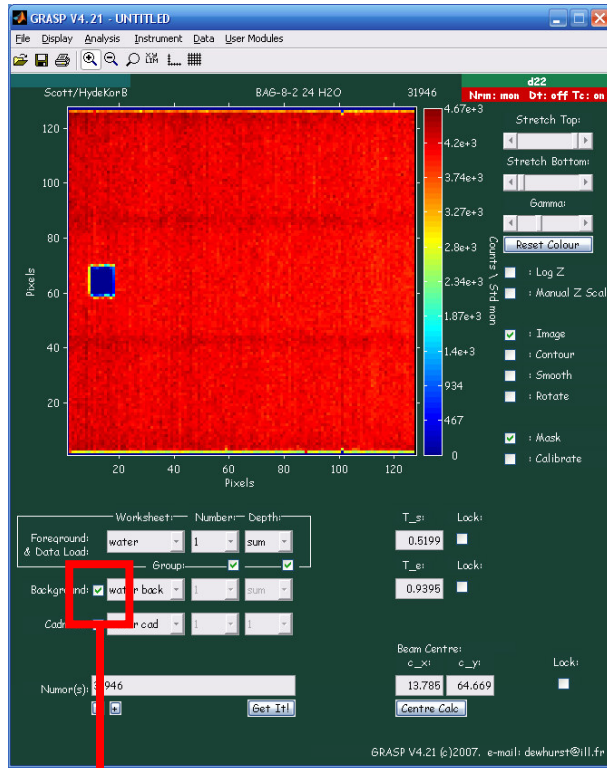
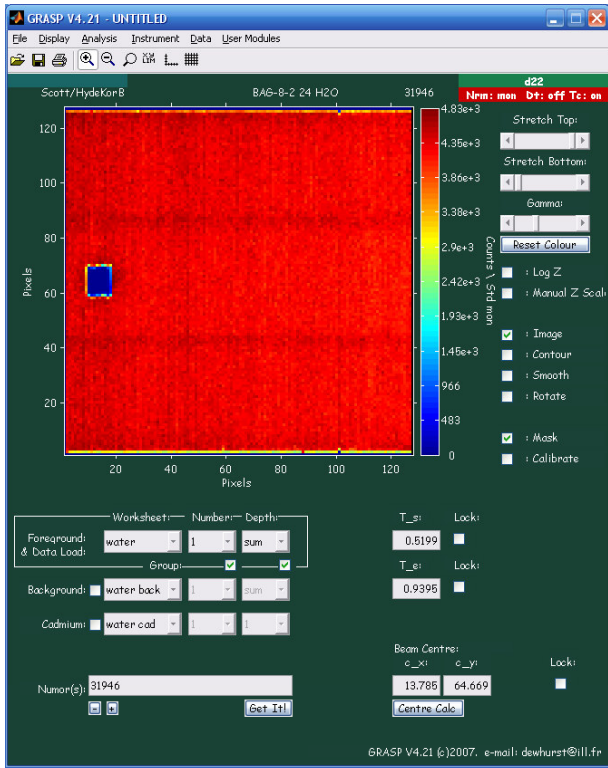
**Press Centre Calc  
 Defines Beam Centre  
 Coordinates**



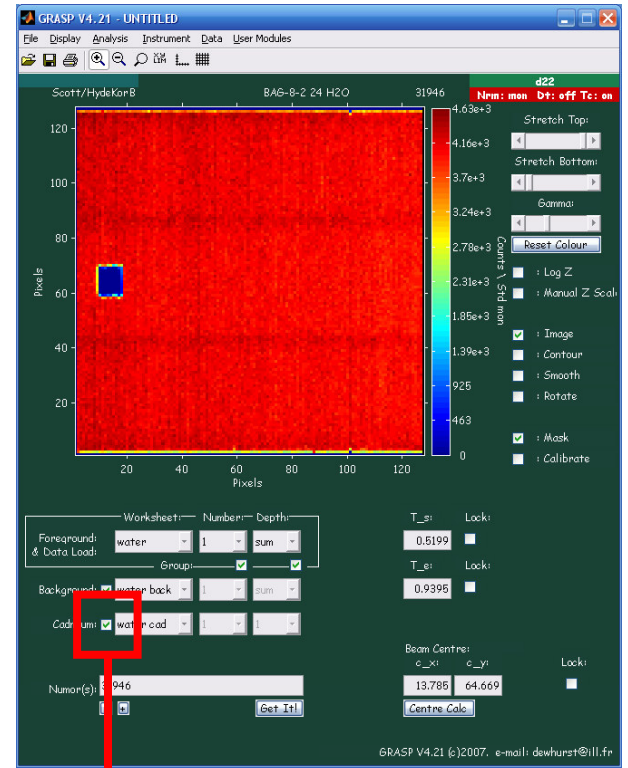
**Press Te Calc  
Corrects for absorbance**



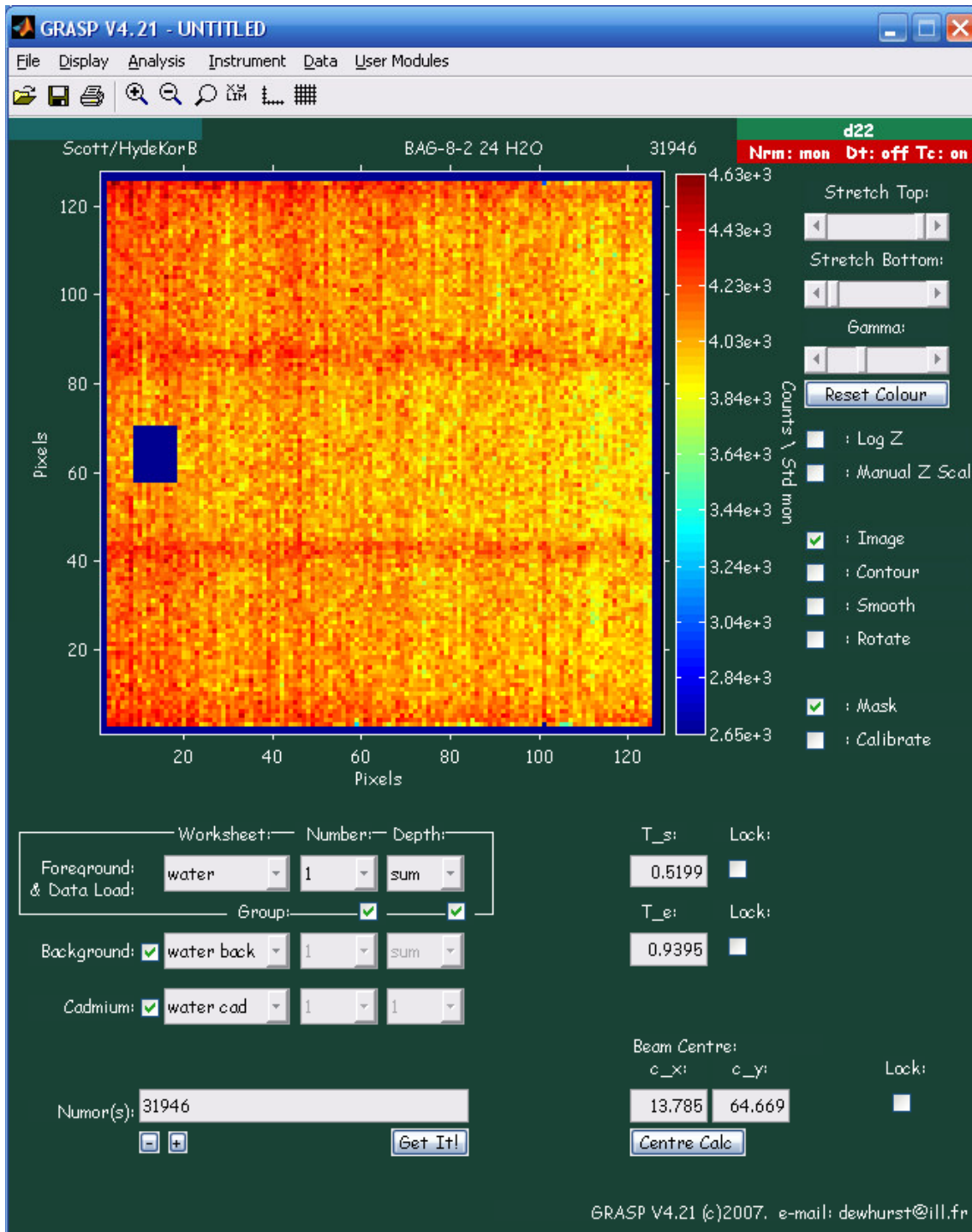
**Press Ts Calc  
 Corrects for absorbance**



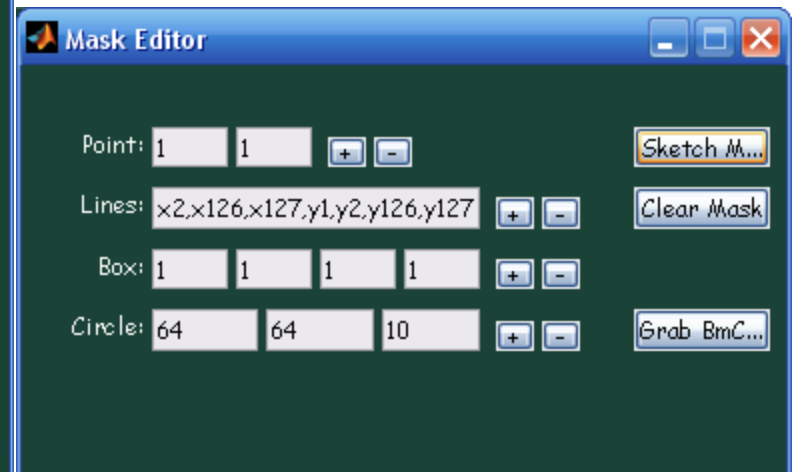
**Check box to subtract empty cell**



**Check box to subtract cadmium**



**Mask edge of the detector and region behind the beam stop**



GRASP V4.21 - UNTITLED

File Display Analysis Instrument Data User Modules

Scott/HydeKonB BAG-8-2 24 H2O 31946 Nrim: mon Dt

Counts \ Std mon

Worksheet: Number: Depth:

Foreground: water 1 sum

Background:  water back 1 sum

Cadmium:  water cad 1 1

Numor(s): 31946

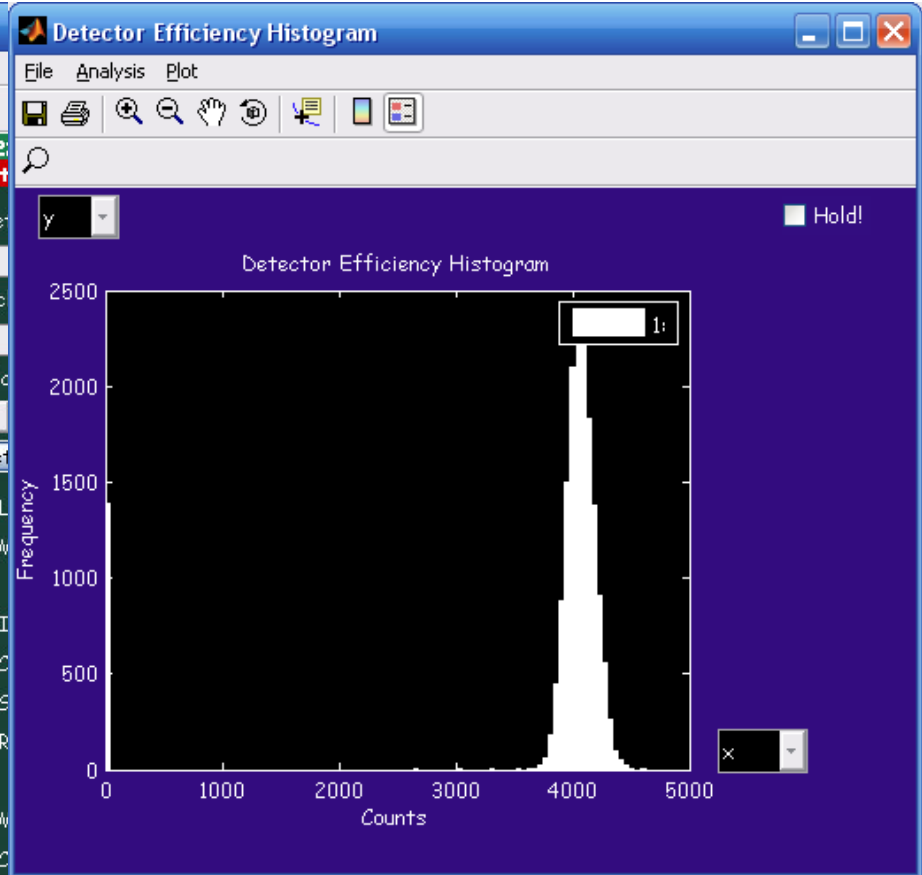
T\_s: 0.5199 Lock:

T\_e: 0.9395 Lock:

Beam Centre: c\_x: 13.785 c\_y: 64.669 Lock:

Centre Calc

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Detector Efficiency Calcul...

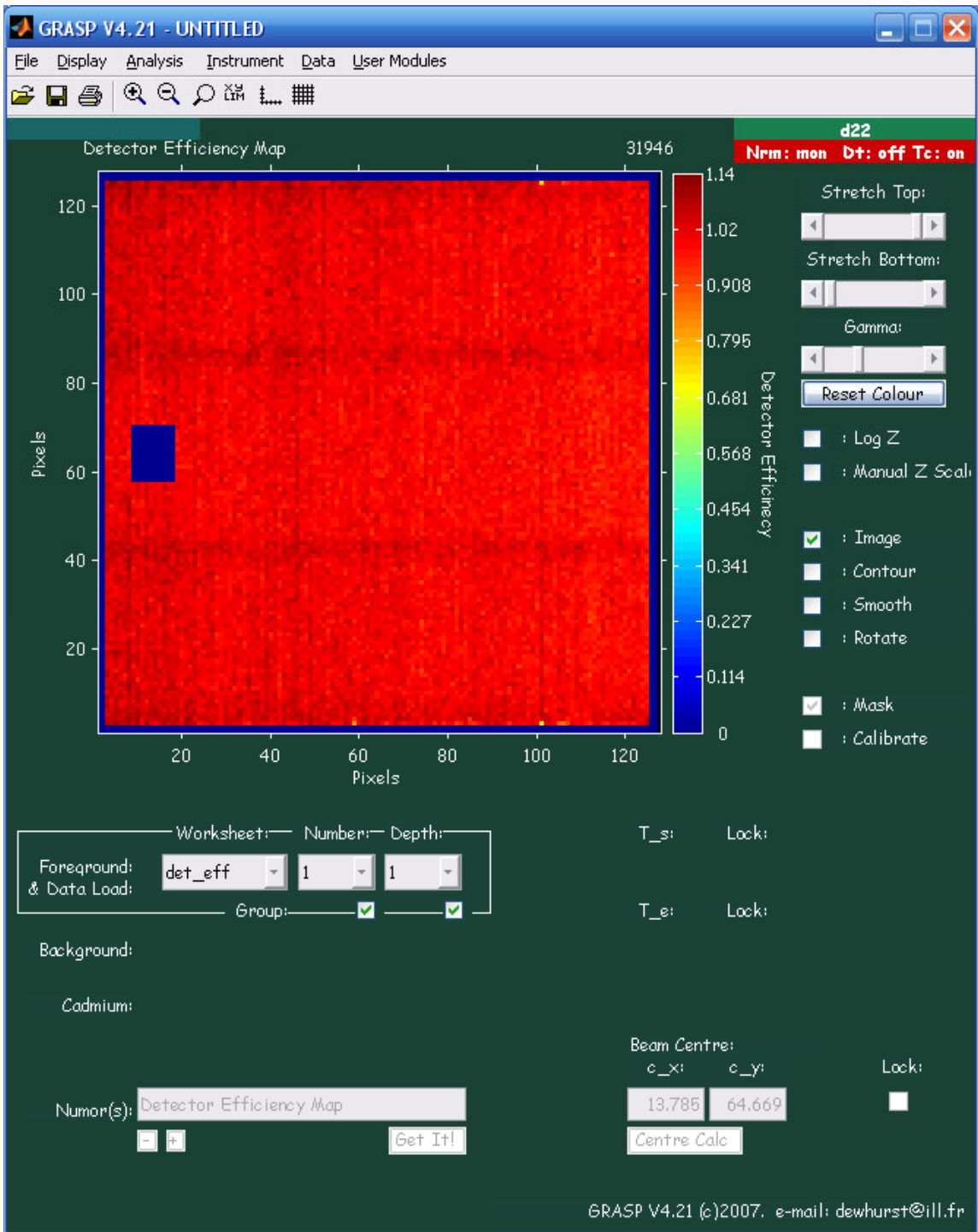
Calibration Scalar: 4075.4

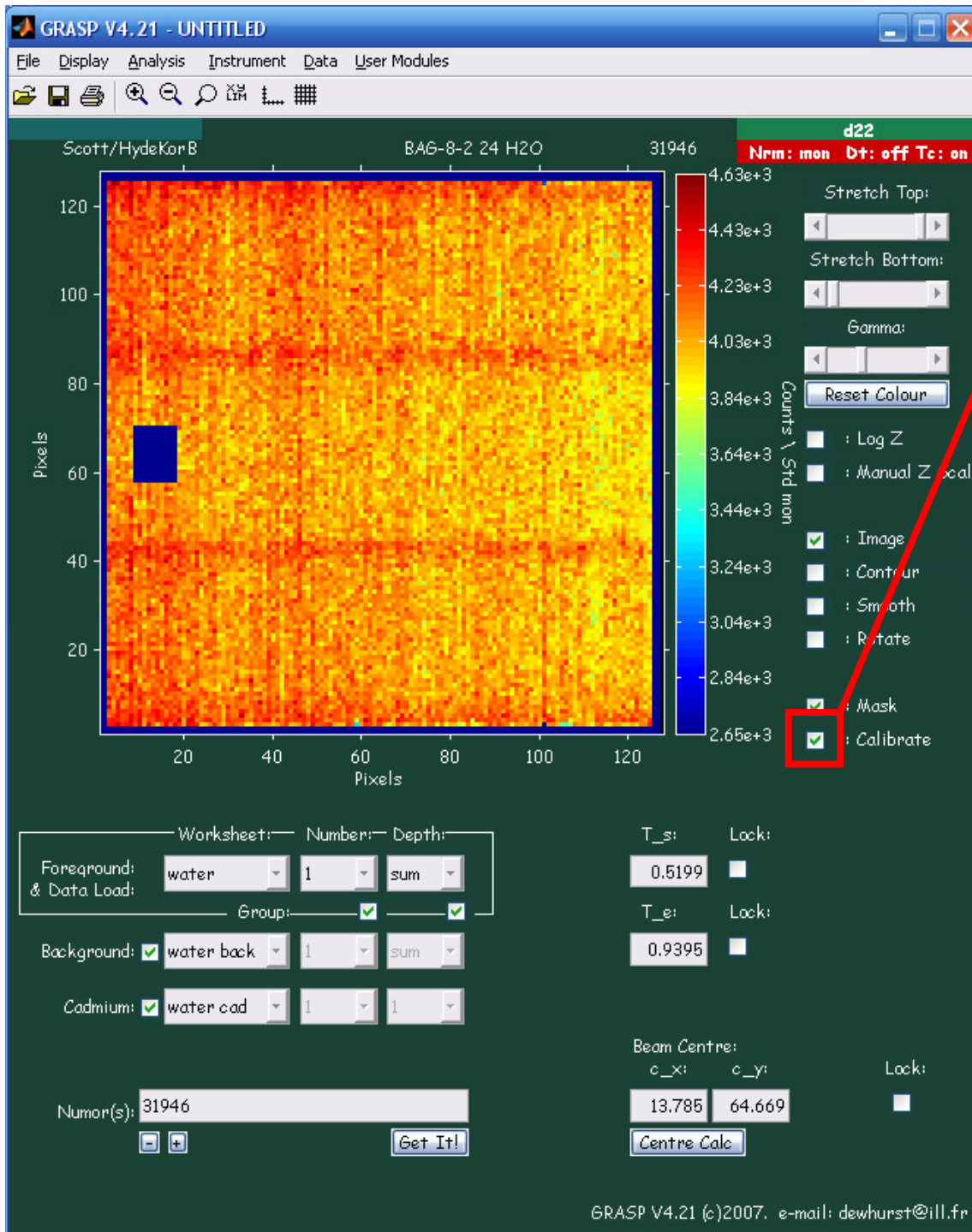
Counts \ Std mon

Diagnostics: Plot Histogram

Beam-Stop Correction: Sketch Efficiency

Calculate Efficiency





Check box to correct the data

Calibration Options

\*\*\*\*\* Sample Parameters \*\*\*\*\*

Illuminated Volume:

OR Area:  1 : cm<sup>2</sup> 0.1 : cm

\*\*\*\*\* Instrument Parameters \*\*\*\*\*

Data: Cal:

Solid Angle:

Flux-Collimation:

\*\*\*\*\* Calibration Standard Parameters \*\*\*\*\*

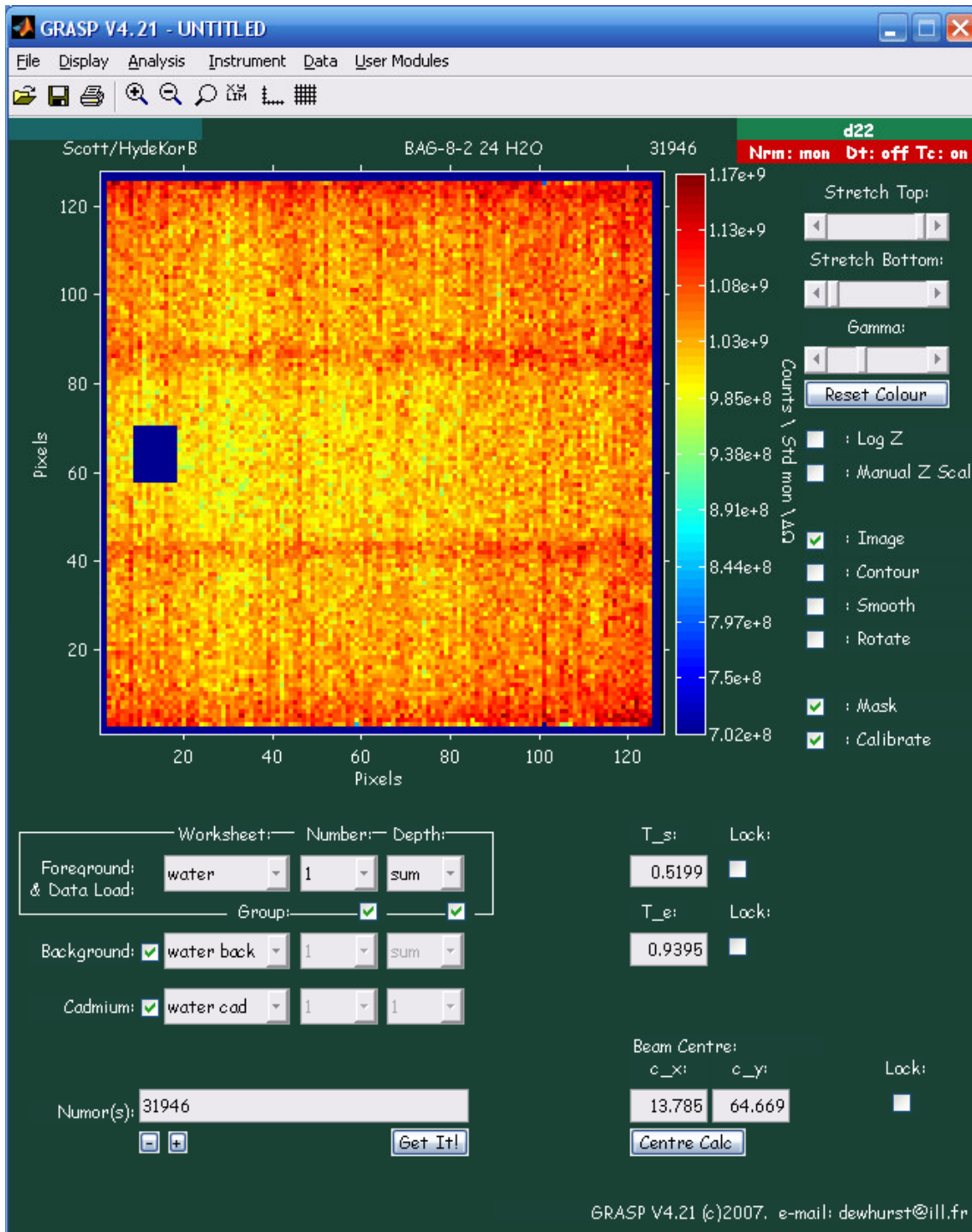
Calibration Value:  4075.4

Detector Efficiency:  Counts \ Std mon

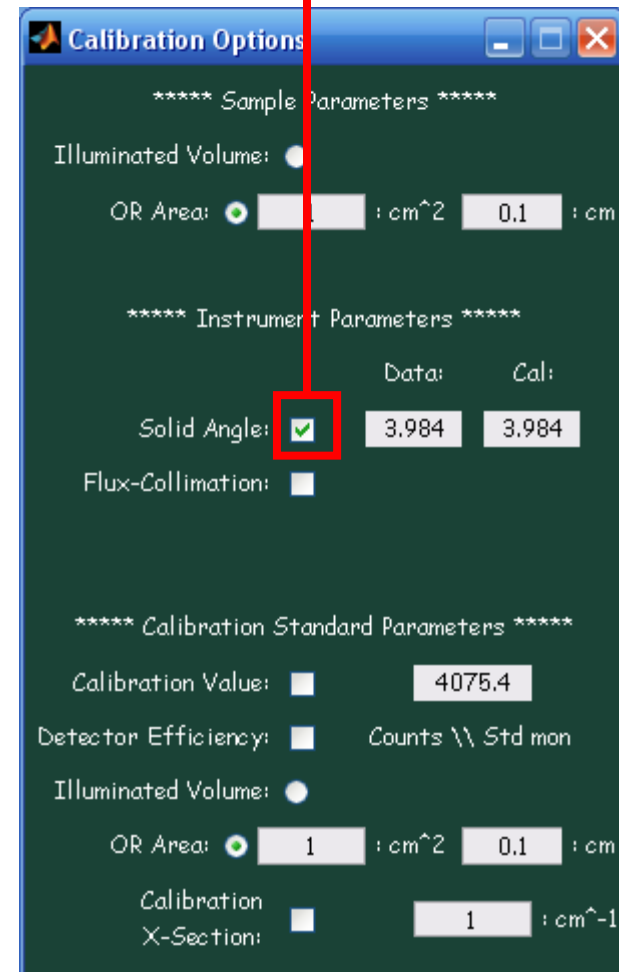
Illuminated Volume:

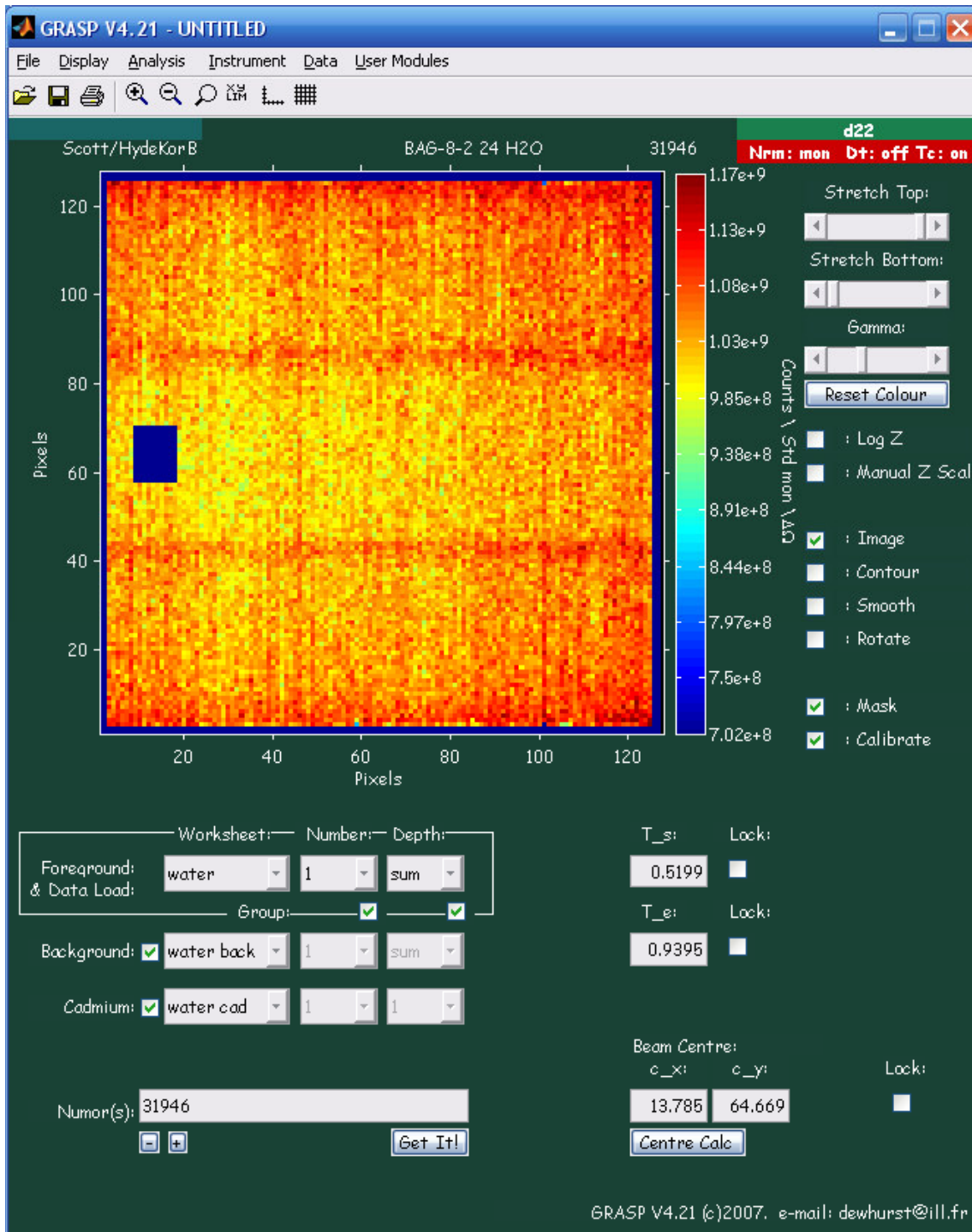
OR Area:  1 : cm<sup>2</sup> 0.1 : cm

Calibration X-Section:  1 : cm<sup>-1</sup>

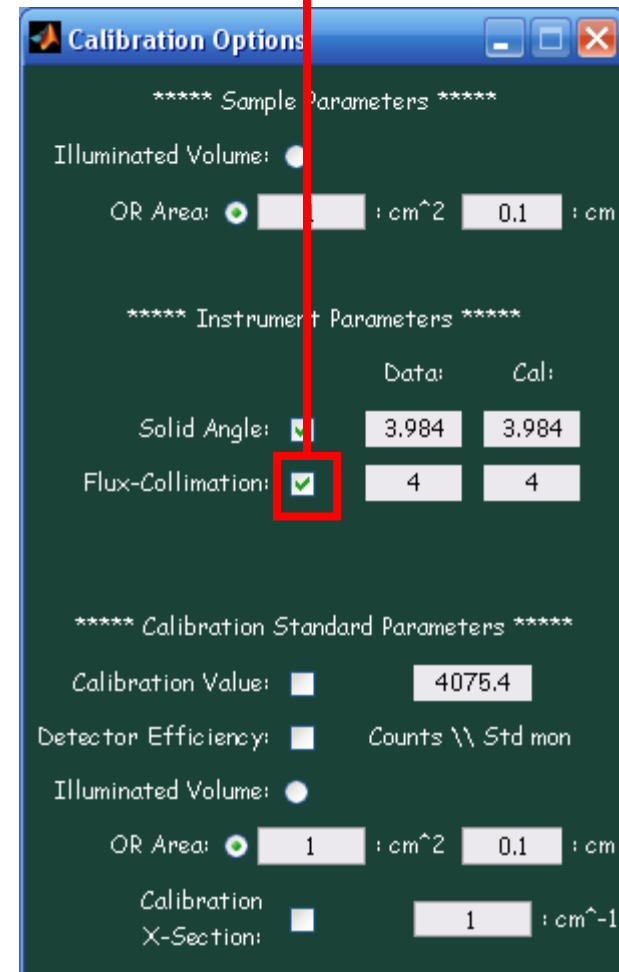


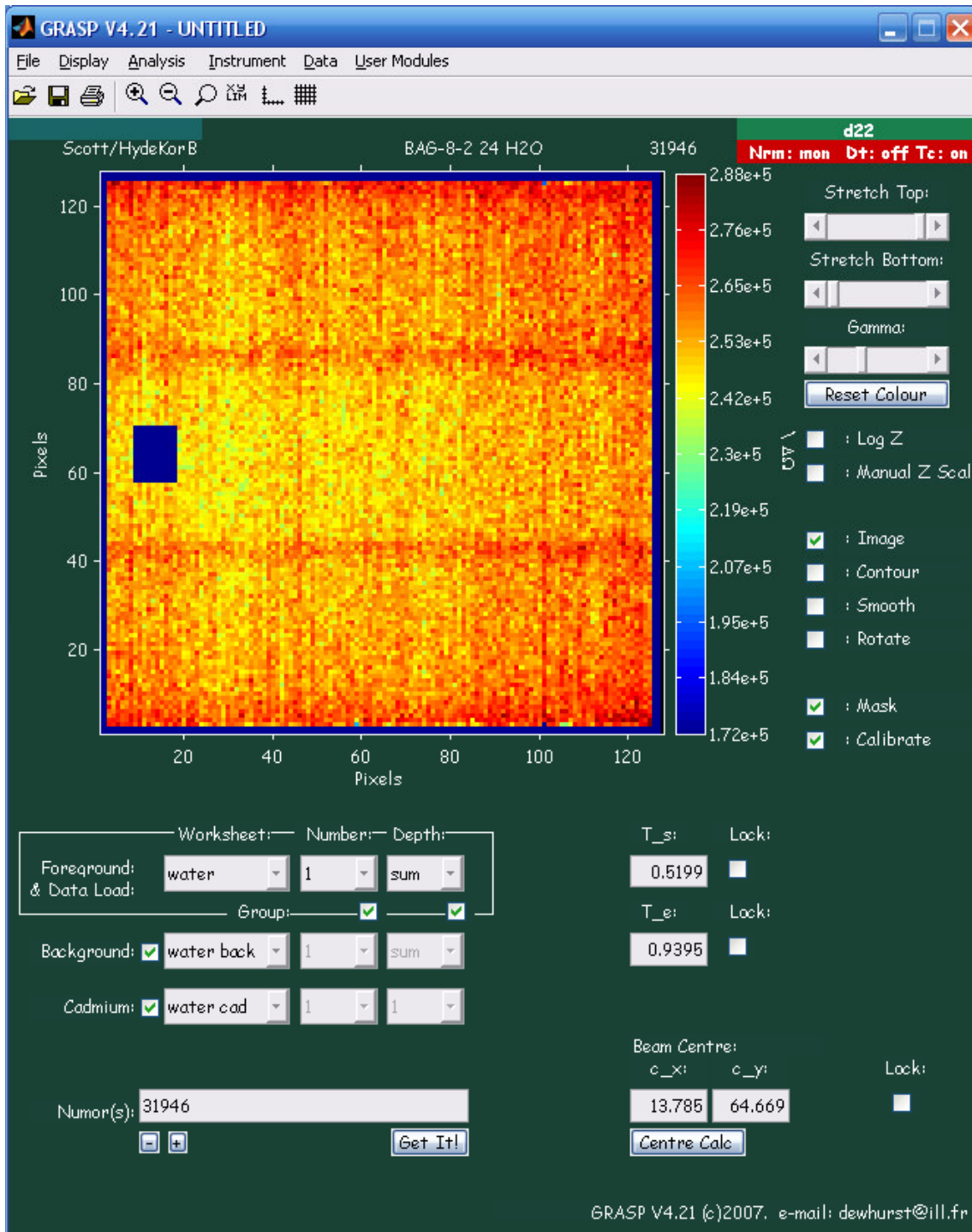
Check box to correct for solid angle





Check box to correct for instrument setup





**Calibrates data to water scattering intensity**

Calibration Options

\*\*\*\*\* Sample Parameters \*\*\*\*\*

Illuminated Volume: [Radio]  
OR Area: [Radio] [Slider] : cm<sup>2</sup> [Slider] 0.1 : cm

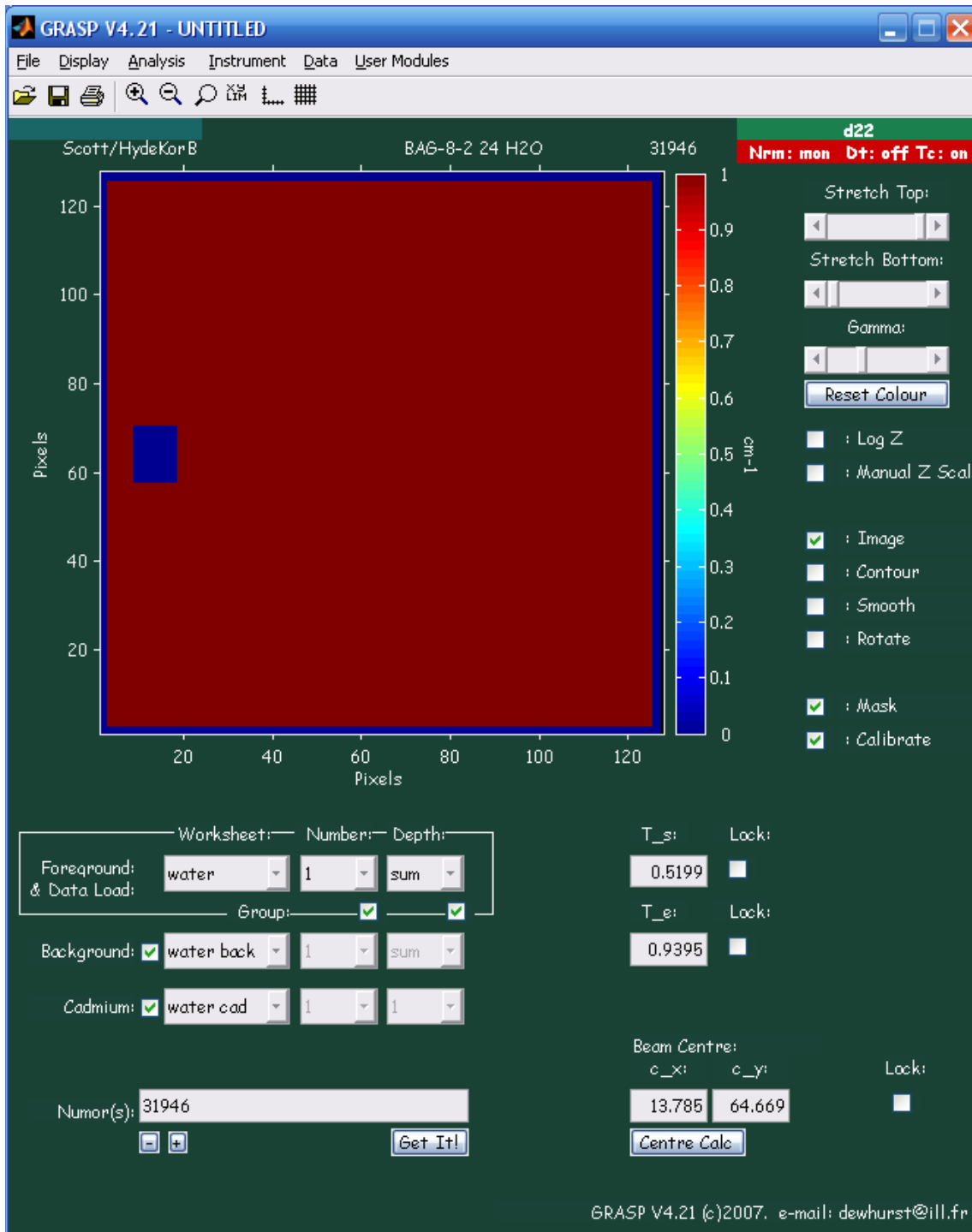
\*\*\*\*\* Instrument Parameters \*\*\*\*\*

	Data:	Cal:
Solid Angle:	3.984	3.984
Flux-Collimation:	4	4

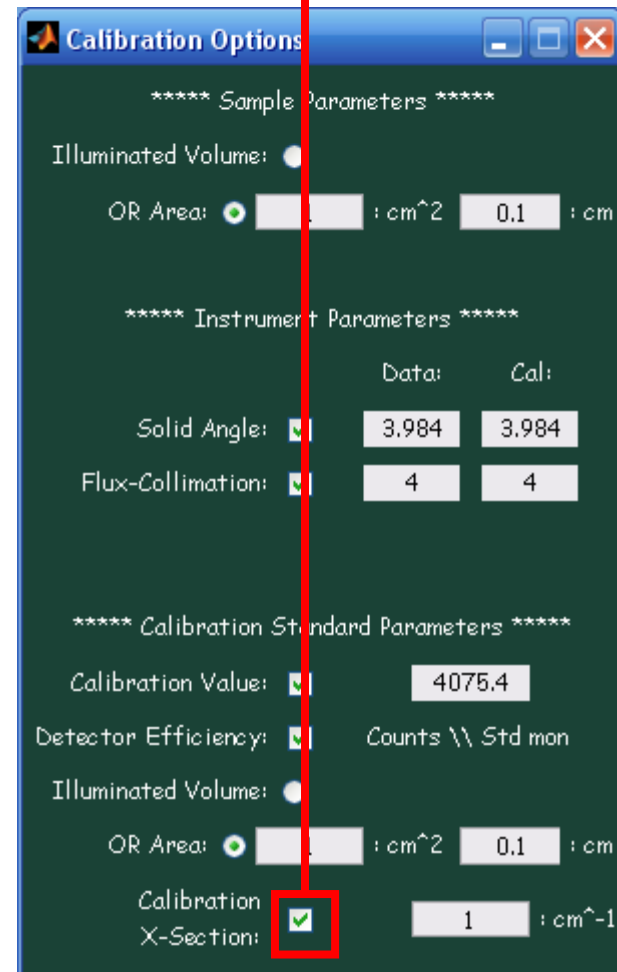
\*\*\*\*\* Calibration Standard Parameters \*\*\*\*\*

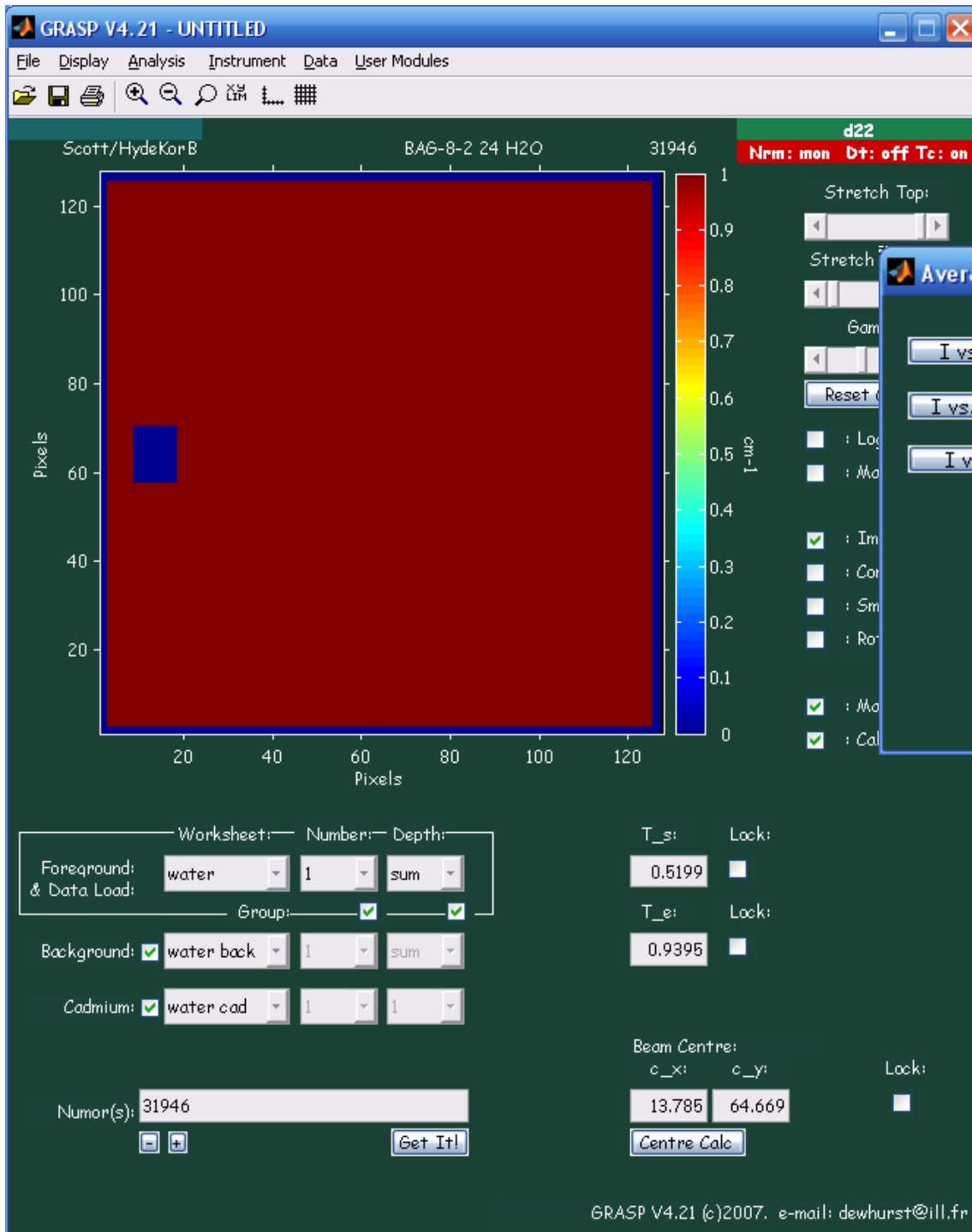
Calibration Value:  4075.4  
Detector Efficiency: [Radio] Counts \\ Std mon  
Illuminated Volume: [Radio]  
OR Area: [Radio] [Slider] 1 : cm<sup>2</sup> [Slider] 0.1 : cm  
Calibration X-Section: [Radio] [Slider] 1 : cm<sup>-1</sup>





Converts data absolute units





Open window for radial regrouping

Averaging

I vs. |q| Radial Bin (pxl): 1

I vs. |2θ| Radial Bin (pxl): 1

I vs. xi Angle Bin (deg): 2

Use Sector Mask:

Use Strip Mask:

Use Ellipse Mask:

Single or Depth

Solid Angle:  3.984 3.984

Flux-Collimation:  4 4

\*\*\*\*\* Calibration Standard Parameters \*\*\*\*\*

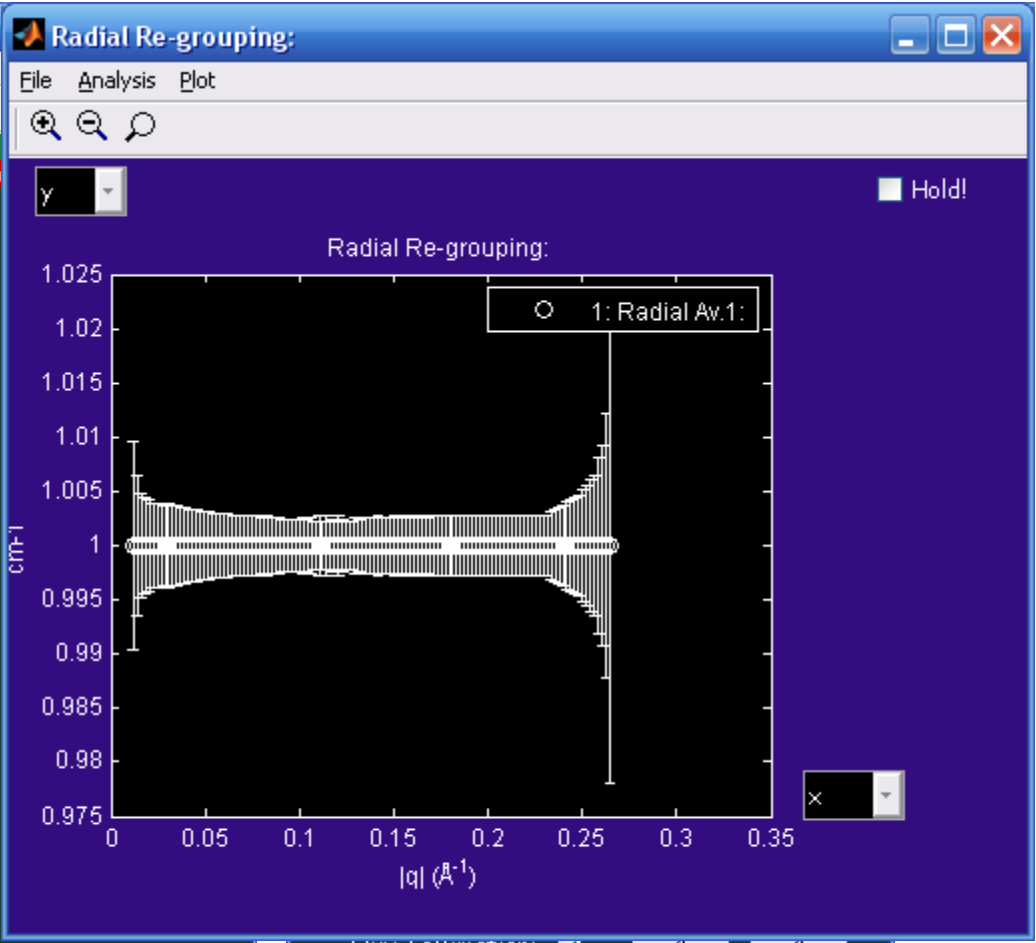
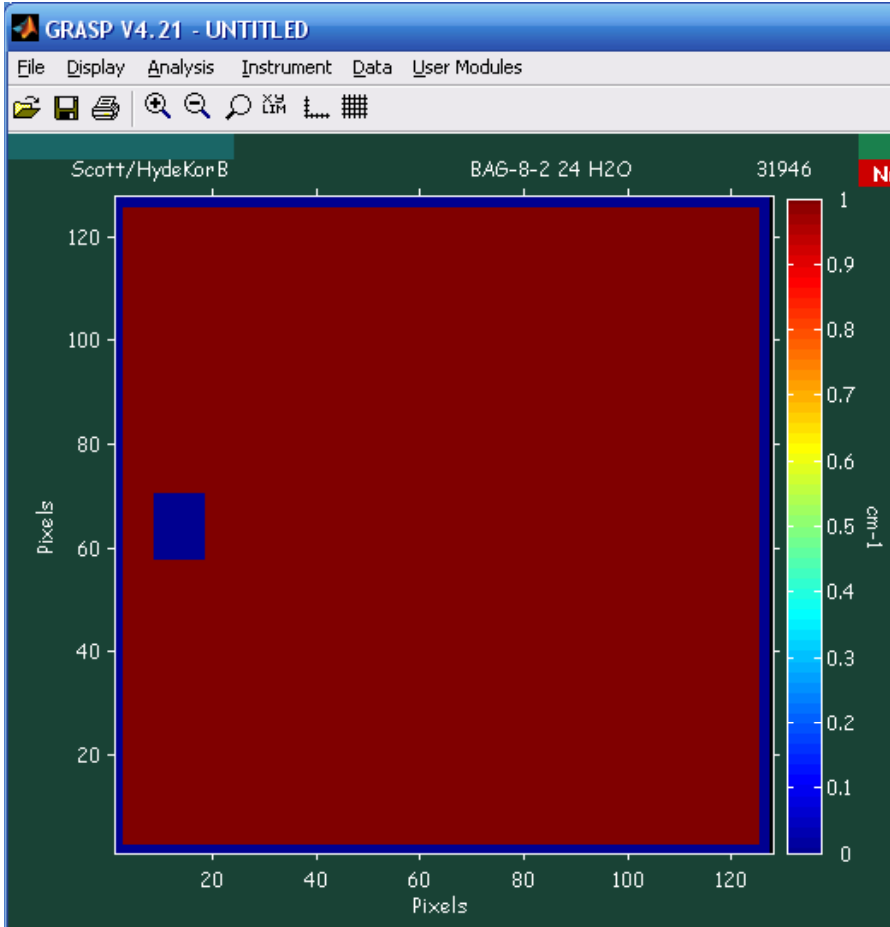
Calibration Value:  4075.4

Detector Efficiency:  Counts \\ Std mon

Illuminated Volume:

OR Area:  1 : cm<sup>2</sup> 0.1 : cm

Calibration X-Section:  1 : cm<sup>-1</sup>



Worksheet: Number: Depth:

Foreground: water 1 sum

Background:  water back 1 sum

Cadmium:  water cad 1 1

Numor(s): 31946

Get It!

T<sub>s</sub>: Lock: 0.5199

T<sub>e</sub>: Lock: 0.9395

Beam Centre: Lock:

c<sub>x</sub>: c<sub>y</sub>: 13.785 64.669

Centre Calc

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Flux-Collimation:  4 4

\*\*\*\*\* Calibration Standard Parameters \*\*\*\*\*

Calibration Value:  4075.4

Detector Efficiency:  Counts \ \ Std mon

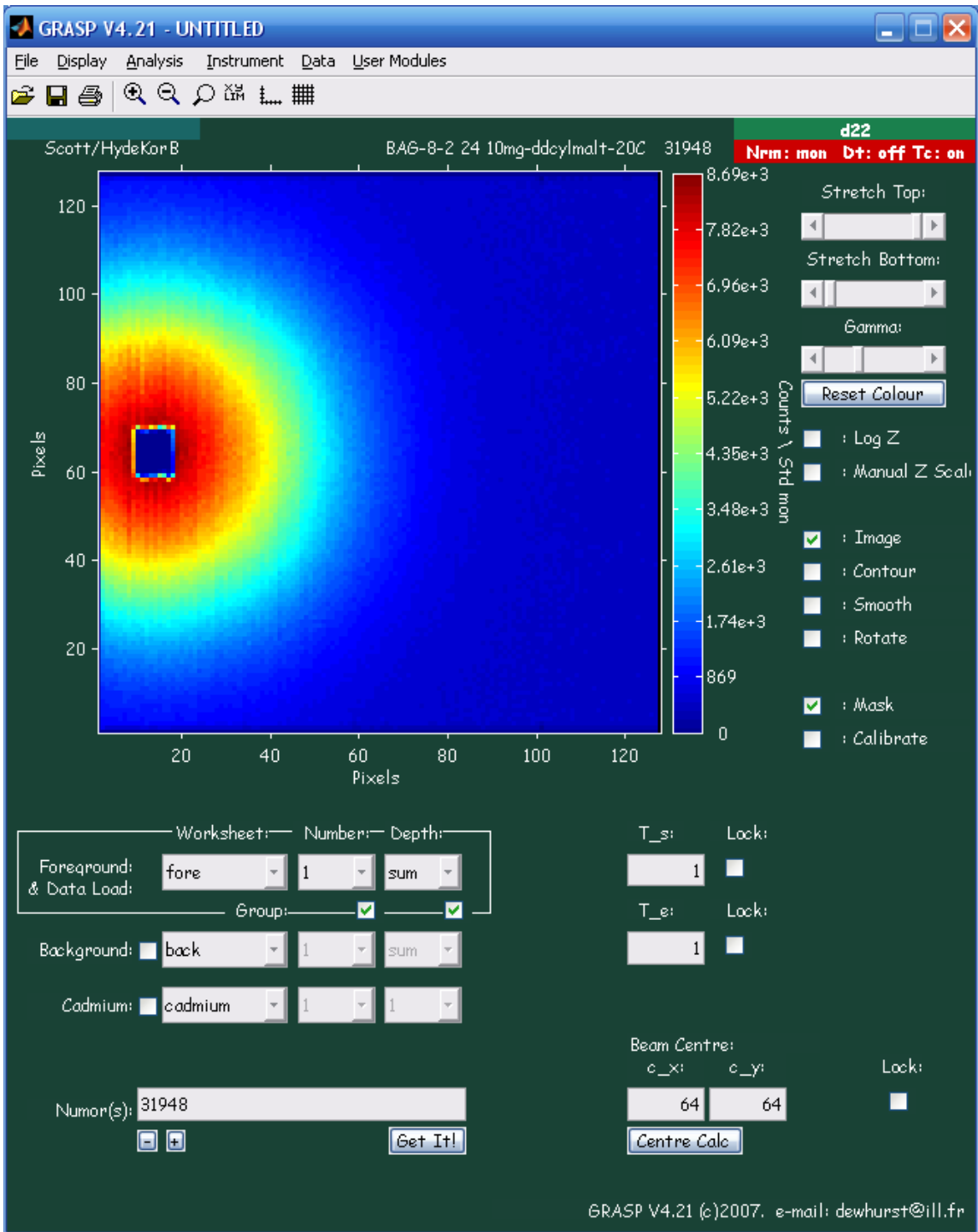
Illuminated Volume:

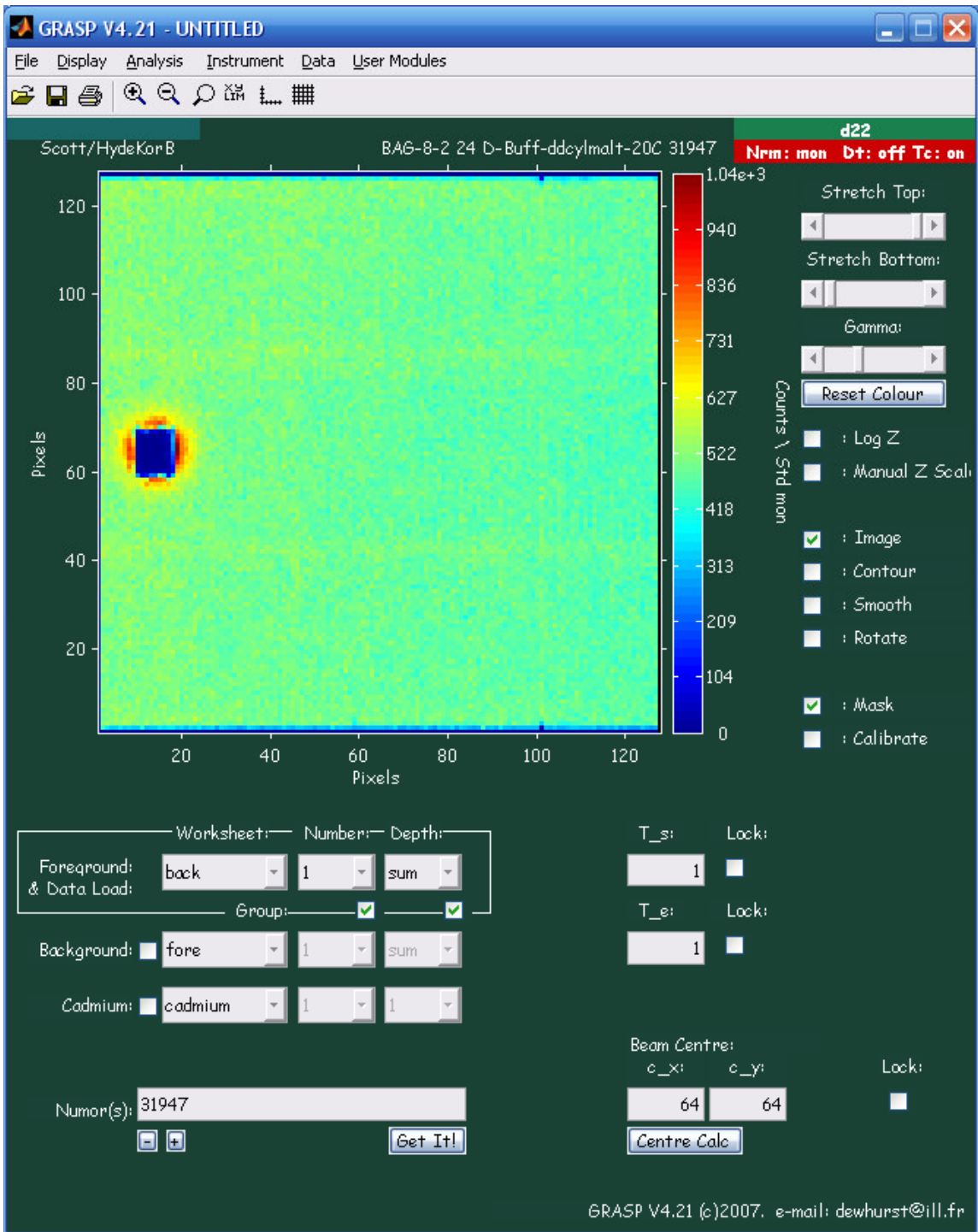
OR Area:  1 : cm<sup>2</sup> 0.1 : cm

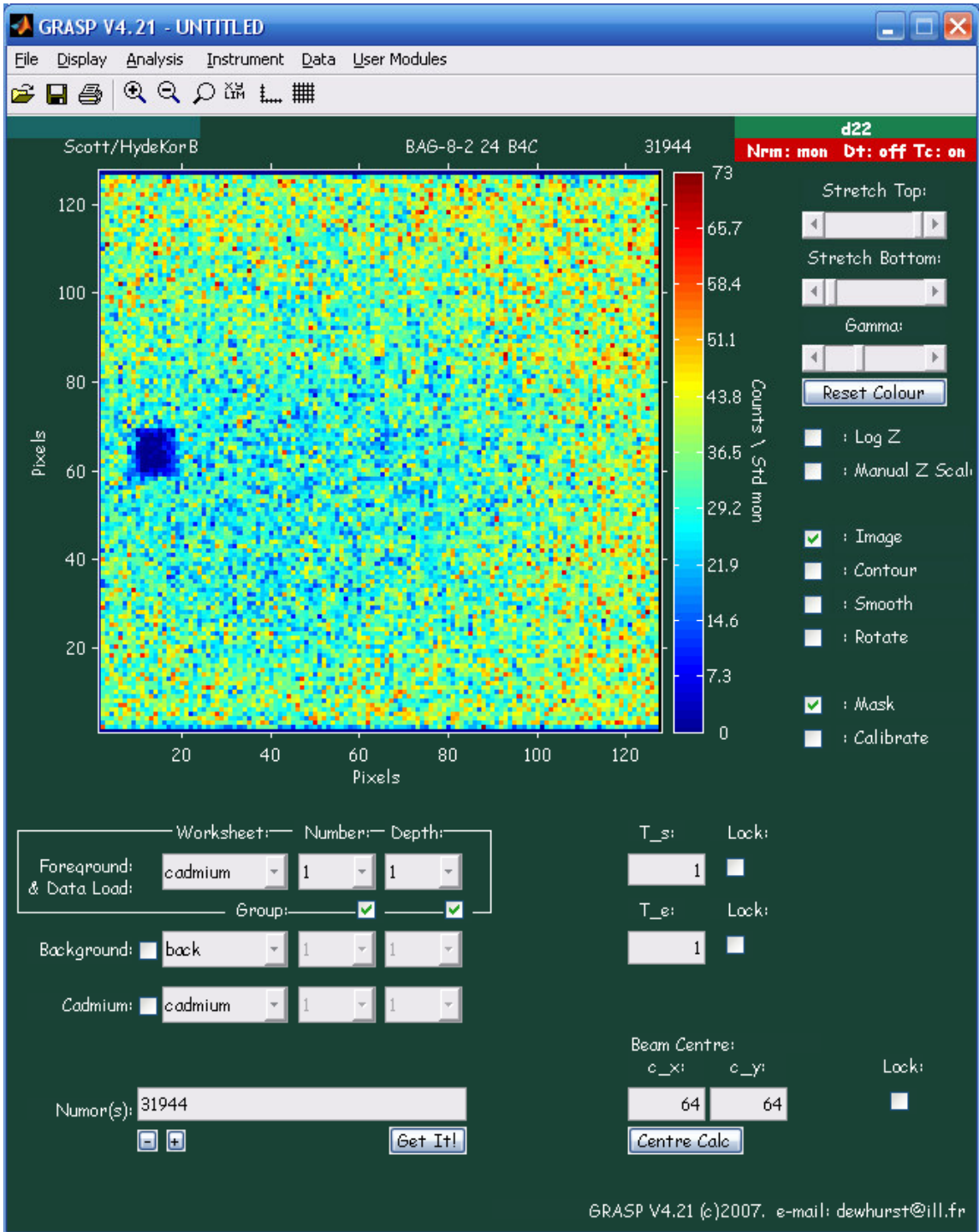
Calibration X-Section:  1 : cm<sup>-1</sup>

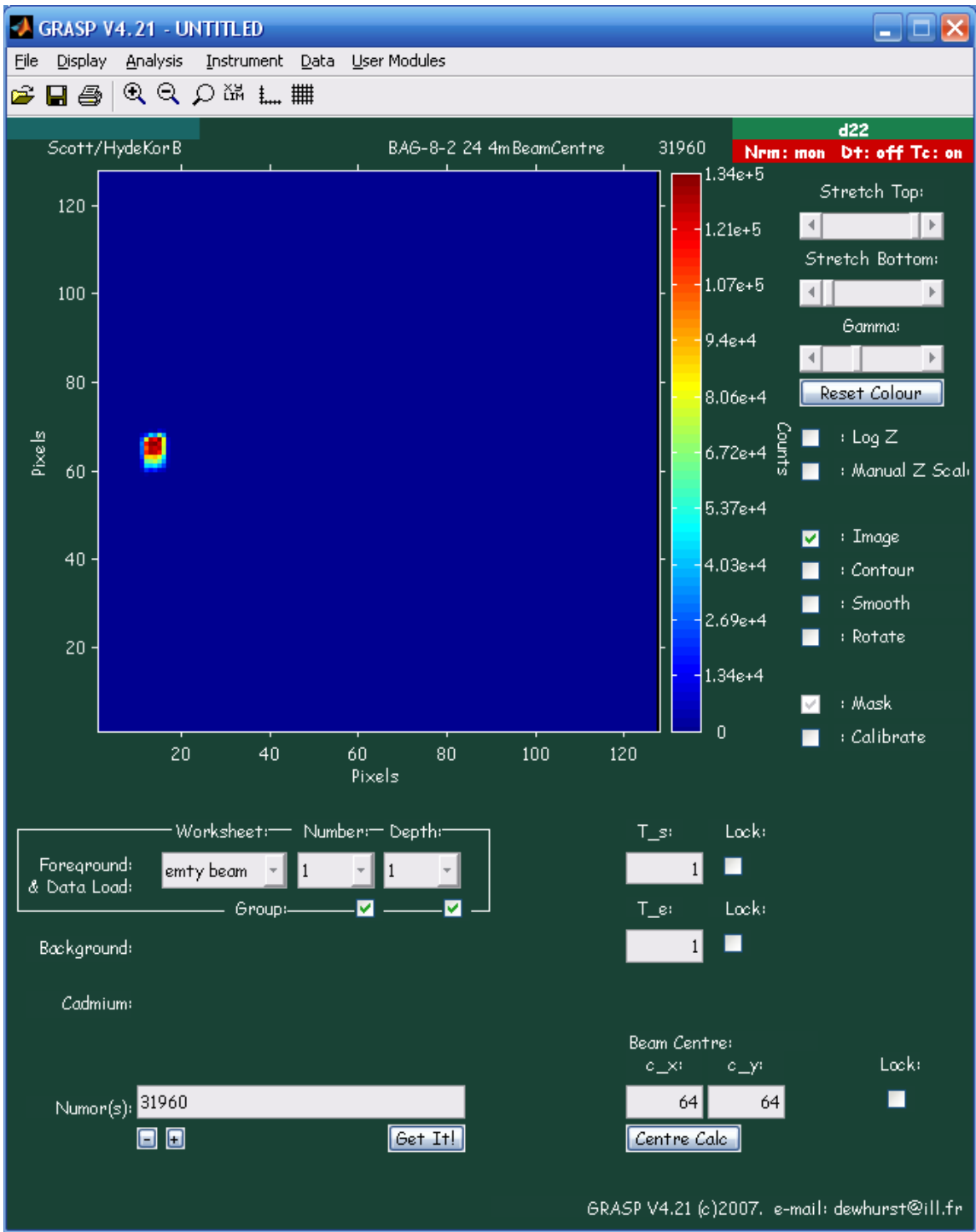
**Second part of SANS data treatment –**

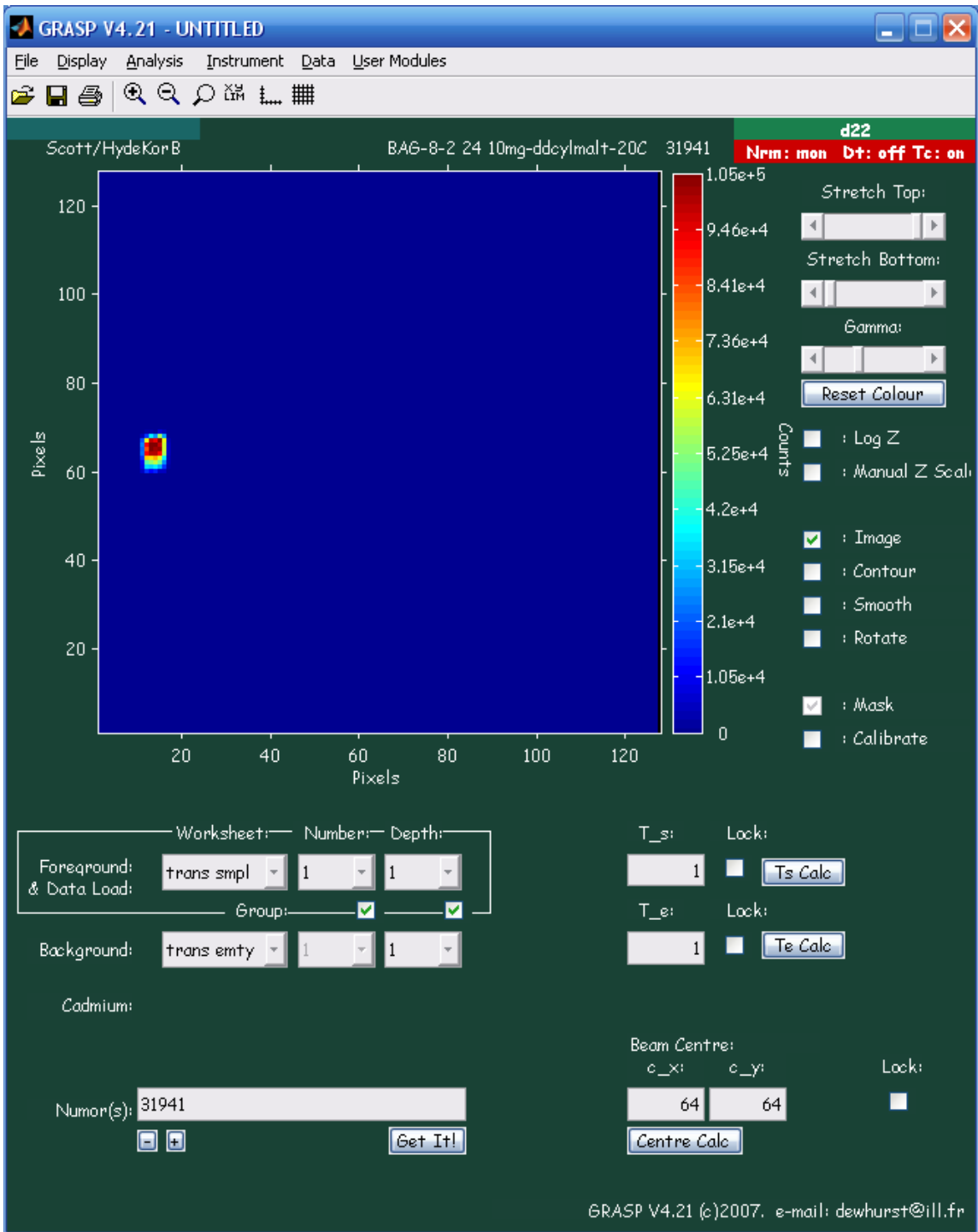
**Subtract buffers and correct for absorbance and detector efficiency**

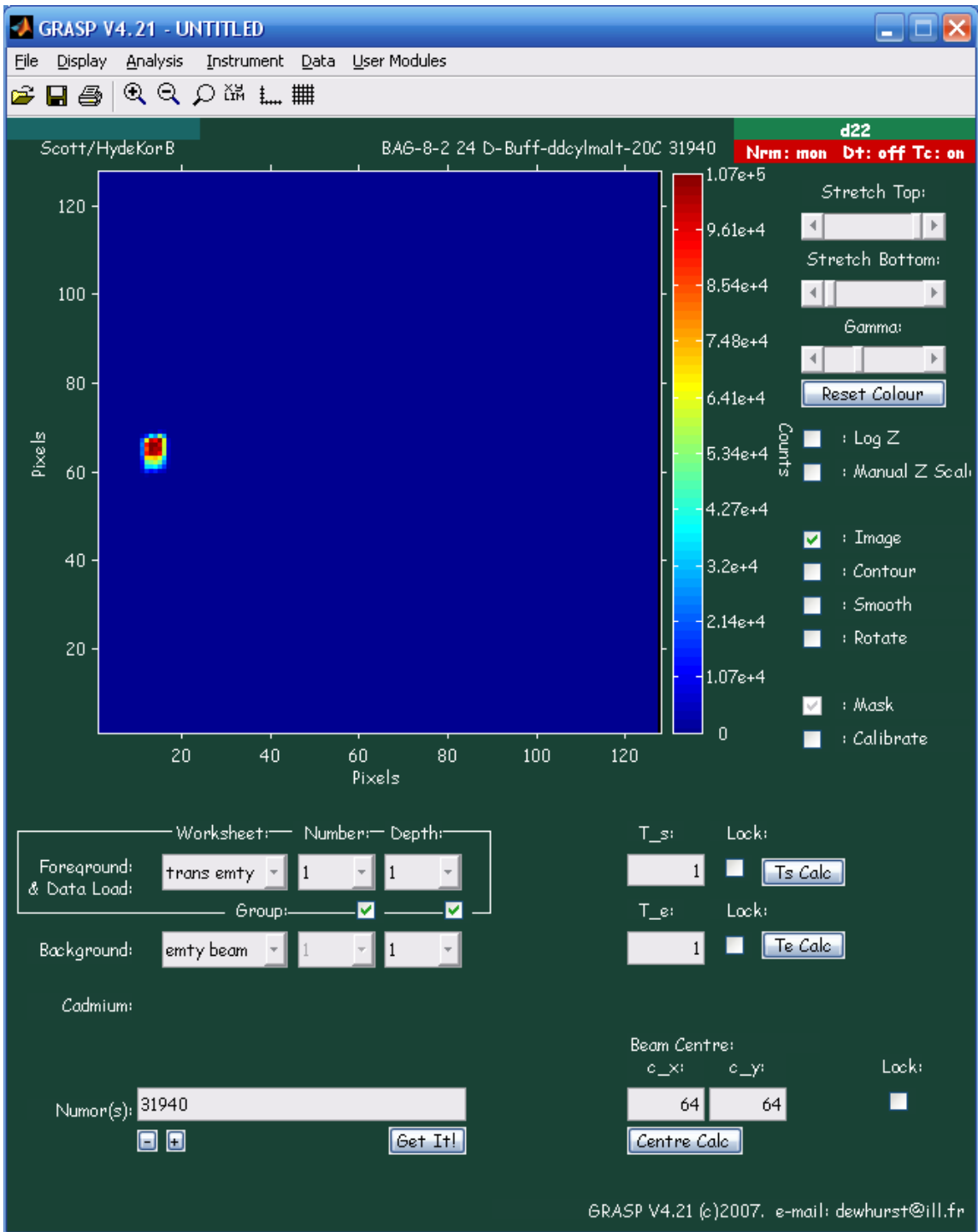




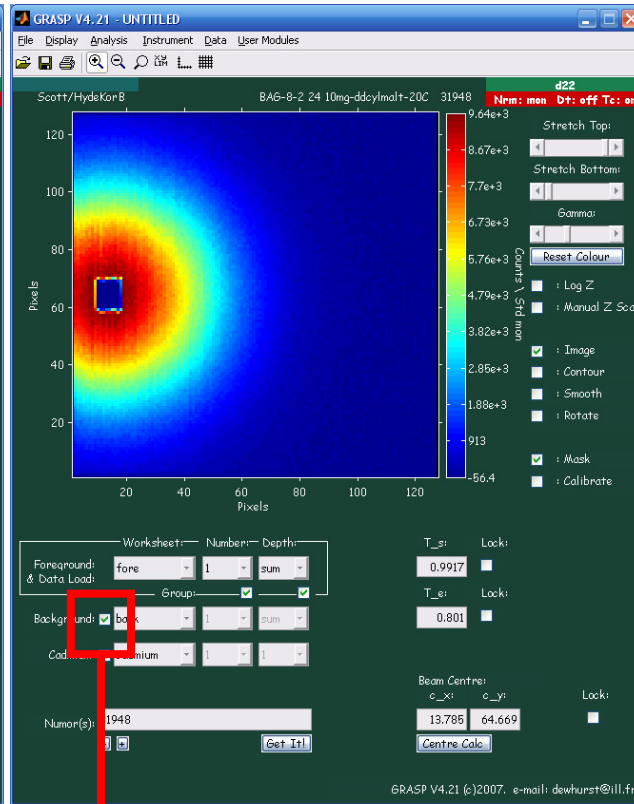
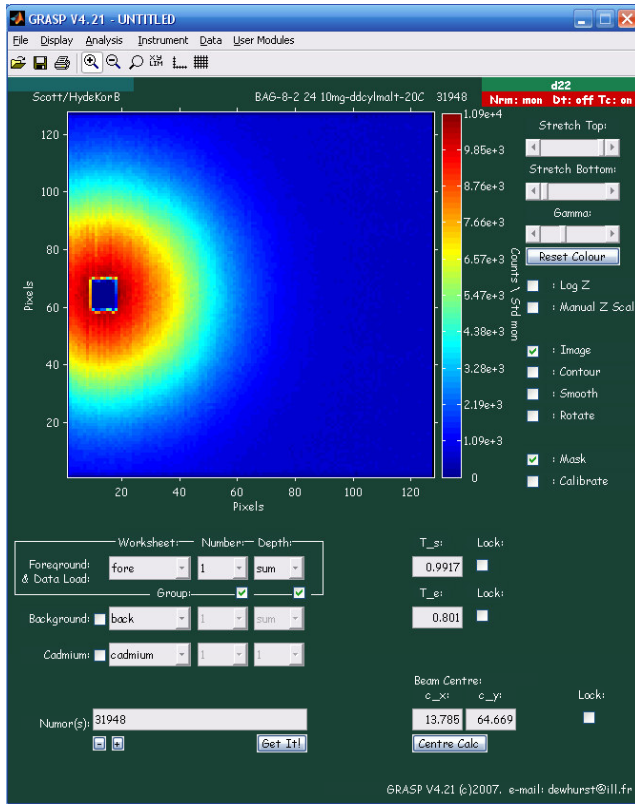




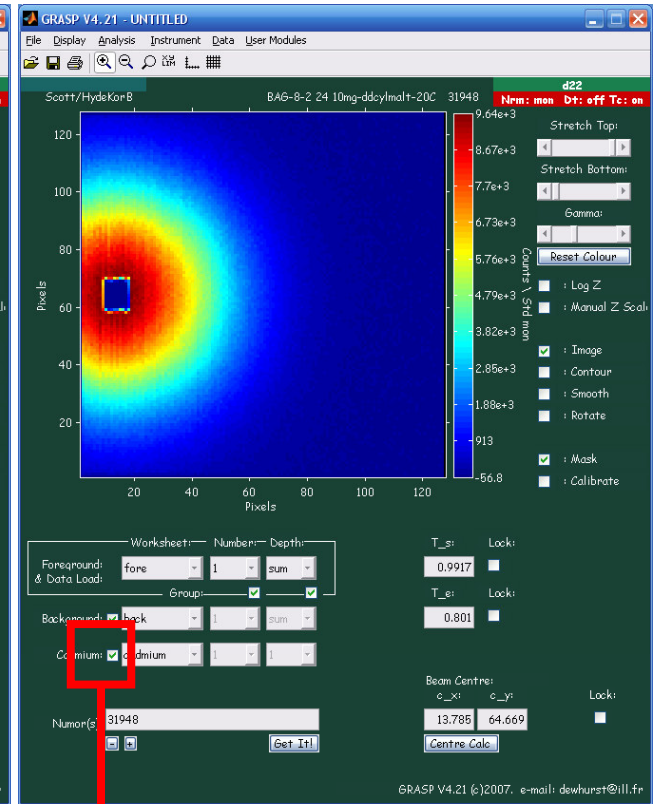




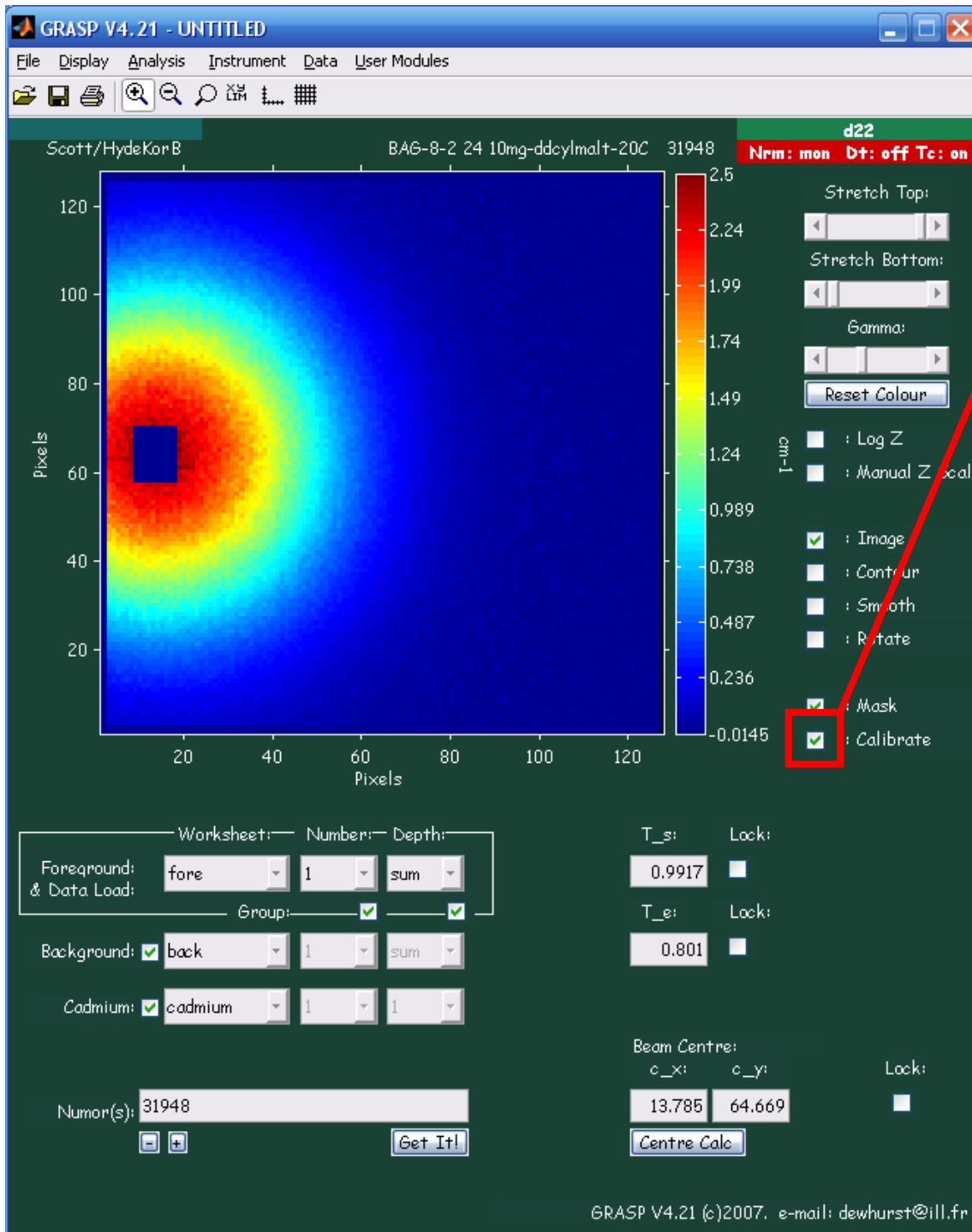




**Check box to subtract Buffer**



**Check box to subtract cadmium**



Check box to correct the data

Calibration Options

\*\*\*\*\* Sample Parameters \*\*\*\*\*

Illuminated Volume:

OR Area:  1 : cm<sup>2</sup>  0.1 : cm

\*\*\*\*\* Instrument Parameters \*\*\*\*\*

	Data:	Cal:
Solid Angle:	<input checked="" type="checkbox"/> 3.984	<input type="checkbox"/> 3.984
Flux-Collimation:	<input checked="" type="checkbox"/> 4	<input type="checkbox"/> 4

\*\*\*\*\* Calibration Standard Parameters \*\*\*\*\*

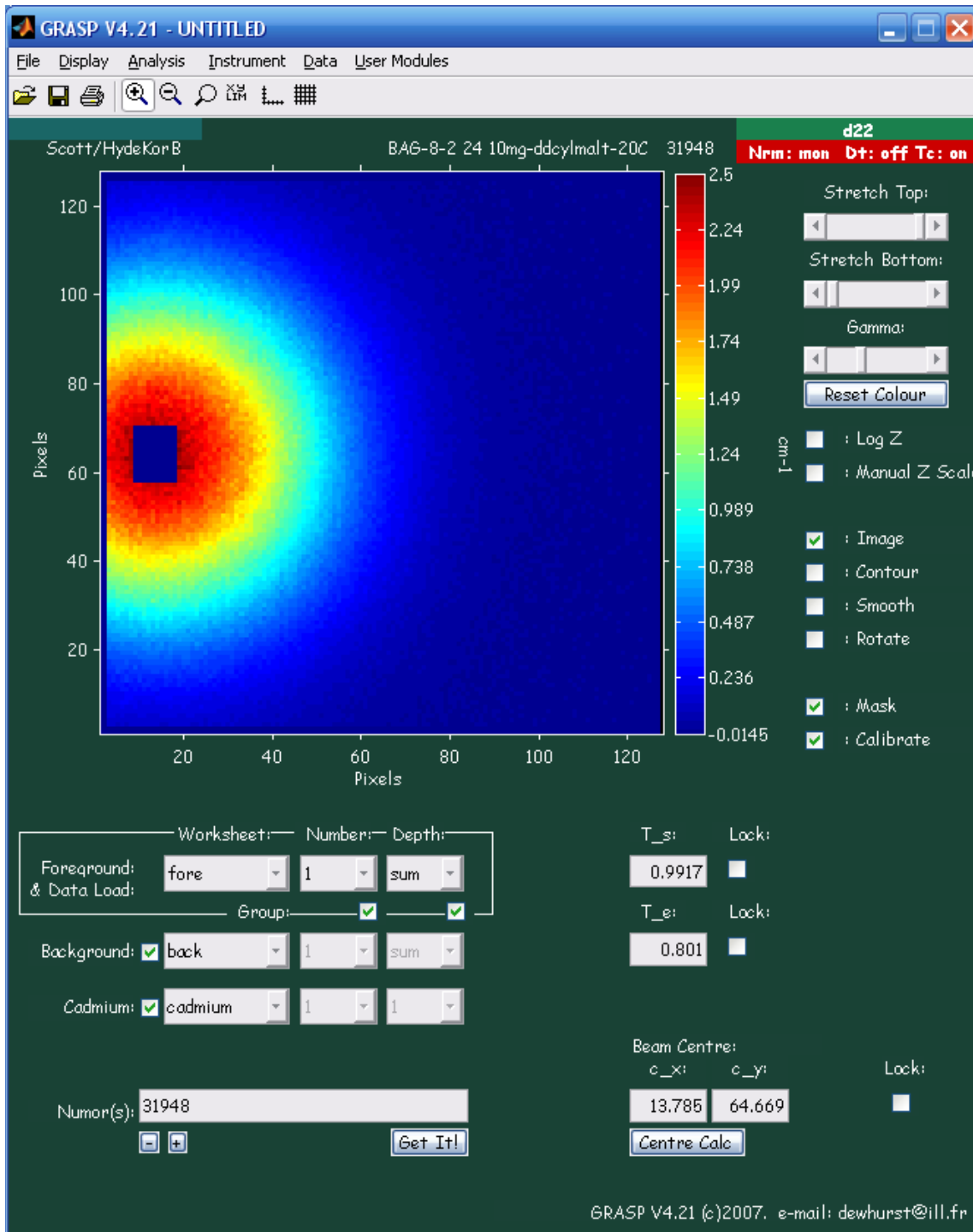
Calibration Value:  4075.4

Detector Efficiency:  Counts \\ Std mon

Illuminated Volume:

OR Area:  1 : cm<sup>2</sup>  0.1 : cm

Calibration X-Section:  1 : cm<sup>-1</sup>



Averaging

Radial Bin (pxl): 1  
 Radial Bin (pxl): 1  
 Angle Bin (deg): 2

Use Sector Mask:   
 Use Strip Mask:   
 Use Ellipse Mask:

Single or Depth

Calibration O

\*\*\*\*\* S

Illuminated Volume:   
 OR Area:  1 : cm<sup>2</sup>  0.2 : cm

\*\*\*\*\* Instrument Parameters \*\*\*\*\*

	Data:	Cal:
Solid Angle:	<input checked="" type="checkbox"/> 3.984	3.984
Flux-Collimation:	<input checked="" type="checkbox"/> 4	4

\*\*\*\*\* Calibration Standard Parameters \*\*\*\*\*

Calibration Value:  4075.4  
 Detector Efficiency:  Counts \\ Std mon

Illuminated Volume:   
 OR Area:  1 : cm<sup>2</sup>  0.1 : cm  
 Calibration X-Section:  1 : cm<sup>-1</sup>

GRASP V4.21 - UNTITLED

File Display Analysis Instrument Data User Modules

Scott/HydeKorB BAG-8-2 24 10mg-ddcylmalt-20C 31948 d22  
 Norm: mon Dt: off Tc: on

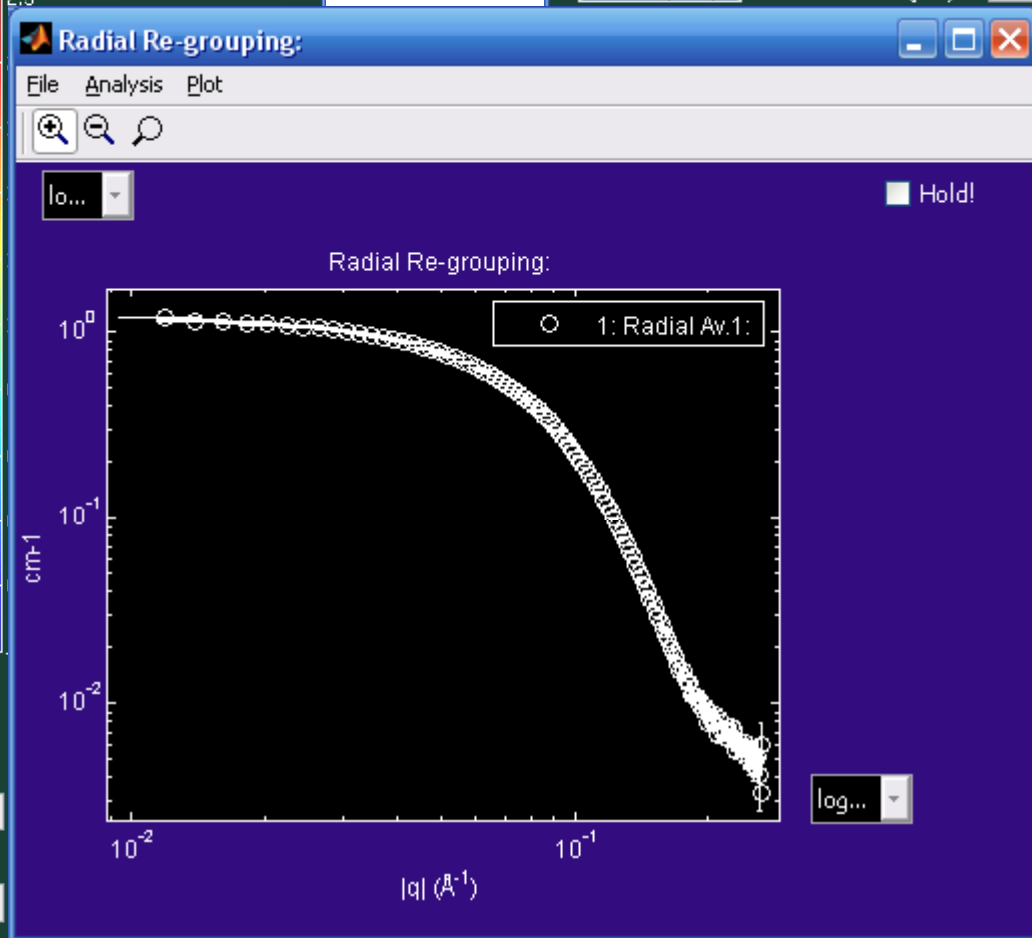
Worksheet: Number: Depth: T\_s: 0.9917  
 Foreground: fore 1 sum  
 & Data Load: Group:   T\_e: 0.801  
 Background:  back 1 sum  
 Cadmium:  cadmium 1 1

Numor(s): 31948 Beam Centre: c\_x: 13.785 c\_y: 64.669 Lock:

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Averaging

I vs. |q| Radial Bin (pxl): 1  
 I vs. |2θ| Radial Bin (pxl): 1



Calibration value: 4878.4  
 Detector Efficiency:  Counts \ \ Std mon  
 Illuminated Volume:   
 OR Area:  1 : cm<sup>2</sup> 0.1 : cm  
 Calibration X-Section:  1 : cm<sup>-1</sup>