

SLS Diamond GUI 17/11/2016

Guide SLS Diamond GUI:

This is the user guide for SLS Diamond GUI. The GUI is defined to help the analysis of Image analysis.

- 1) File and Folder.
- 2) Section Definition Panel.
- 3) Horizontal Correction Panel.
- 4) Fitting Sections Panel.
- 5) Scan Reader.
- 6) Print Plots.
- 7) Compare.
- 8) Help.

1 File & Folder

Guide	Fol...	C100_DK-500\Bragg\10K	Scan
	File	Bragg_400_rocking_pinh	1

2 Section Definition Panel

	Strip 1	Strip 2	Strip 3	Strip 4	
C Max	100	500	900	100	
C Min	500	900	1300	1400	
Initialize	0	0	0	0	<input type="checkbox"/> Same
Row Max	100	100	100	100	
Row Min	140	140	140	140	
Initialize	0	0	0	0	<input type="checkbox"/> Same

<input checked="" type="checkbox"/> Vertical	Lenght		Start	
<input type="checkbox"/> Horizontal	Strip	100	Strip	500
<input type="checkbox"/> Other	Column	1000	Column	100
Fix_Ranges	Strip Scans	Area		
	<input checked="" type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input checked="" type="checkbox"/> 4

3 Horizontal Correction panel

☐ Horizontal Correction

N_Scan

10

Select Sections

Fixe Sections

p1	500	500	p2	525	525
p3	550	550	p4	575	575
p5	600	600	p6	625	625
p7	650	650	p8	675	675
p9	700	700	p10	725	725
p11	750	750	p12	775	775

Column Width

10

Row Width

900

Calculate

Help Horizontal

Angle

I Plot

0

300

Load

Beam Size

Image

Column Max

100

Column Min

1600

Strip Max

100

Strip Min

1600

4 Fitting Sections Panel.

Fitting Panel

☒ Gaussian

Num Peaks

Fit Sections

☐ Manual

Save S

Load S

Compare

Energy

10000

eV

Maximum Image

Print

☐ S_2D

☐ S_S

Help Fitting

MultiGa...

Fit One

Smooth F2

um

0.65

um /Px

10

Help

S_2n1

X

Strip

☒ 1

☐ 2

☐ 3

☐ 4

All

Background

Max

300

Min

100

Image

1

5

0

0

0

0

0

0

0

0

Time(s)

FWHM

--

R^2

--

Data Cursor

Pan

Pause

x max

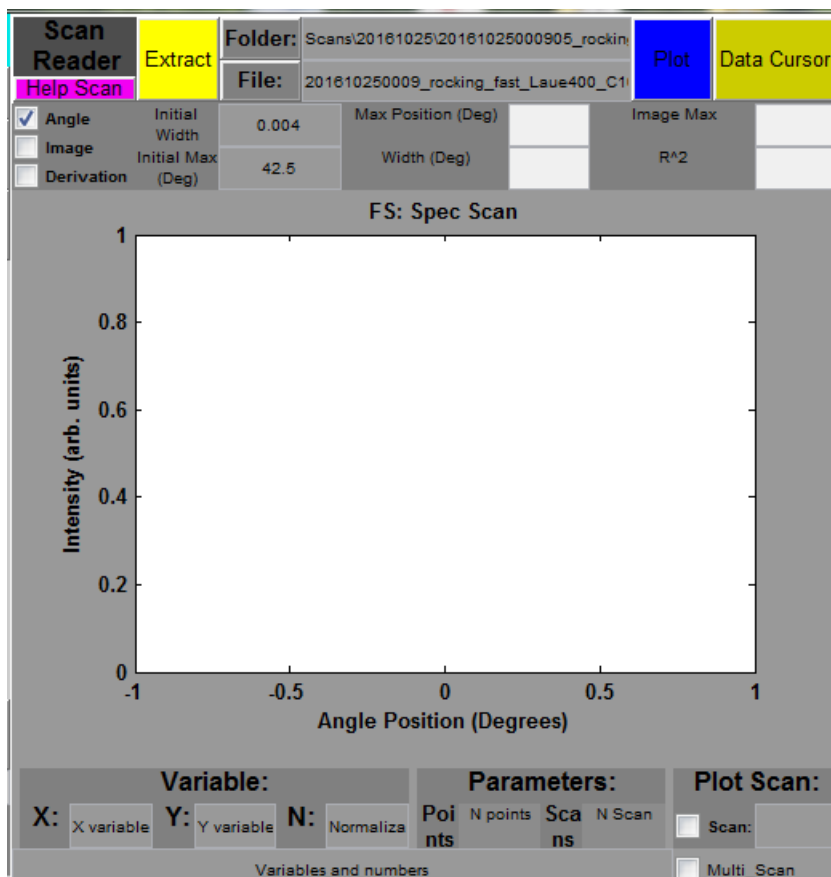
y max

x left

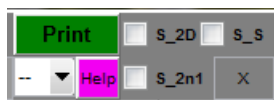
x right

Save

5 Scam Reader Panel



6 Print Plots



7 Compare



8 Help:

Different Help, bottoms as the one show below in figure 8.1, are situated around the Gui to solve local problems.

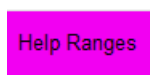


Figure 8.1