

2.3.522 of weds 19/12/12

LOQ data here, gui has separate “main” and “HAB” boxes. I think there is an initialisation problem if the user changes the beam centre coordinates in the gui box, see notes below, is likely OK if read the centre from the user file.

Loading data

Iteration 1

xstart,ystart=324.41 330.03

Normalizing to monitor 2

Normalizing to monitor 2

Itr 0: (324.41 , 330.03) SX=8.4677 SY=16.349

Normalizing to monitor 2

Normalizing to monitor 2

Itr 1: (325.41 , 331.03) SX=12.210 SY=27.212

Out of iterations, new coordinates may not be the best!

Coordinates updated

Loading data

Iteration 1

xstart,ystart=325.41 331.03

Normalizing to monitor 2

Normalizing to monitor 2

Itr 0: (325.41 , 331.03) SX=0.6748 SY=2.4204

Normalizing to monitor 2

Normalizing to monitor 2

Itr 1: (326.41 , 332.03) SX=5.0635 SY=10.739

Normalizing to monitor 2

Normalizing to monitor 2

Itr 2: (325.91 , 331.53) SX=1.8066 SY=5.5050

Normalizing to monitor 2

Normalizing to monitor 2

Itr 3: (325.41 , 331.03) SX=0.6748 SY=2.4204

Normalizing to monitor 2

Normalizing to monitor 2

Itr 4: (324.91 , 330.53) SX=1.1418 SY=0.5833

Normalizing to monitor 2

Normalizing to monitor 2

Itr 5: (325.16 , 330.03) SX=0.6796 SY=0.9790

Normalizing to monitor 2

Normalizing to monitor 2

Itr 6: (325.41 , 330.28) SX=0.6918 SY=0.5200

Normalizing to monitor 2

Normalizing to monitor 2

Itr 7: (325.285 , 330.53) SX=0.5658 SY=0.7951

Converged - check if stuck in local minimum!

Coordinates updated

Loading data

[changed Q range here, re-ran from last coordinates]

Iteration 1

xstart,ystart=325.285 330.53

Normalizing to monitor 2
Normalizing to monitor 2
Itr 0: (325.285 , 330.53) SX=0.7977 SY=4.0150
Normalizing to monitor 2
Normalizing to monitor 2
Itr 1: (326.285 , 331.53) SX=7.6106 SY=16.600
Normalizing to monitor 2
Normalizing to monitor 2
Itr 2: (325.785 , 331.03) SX=2.6841 SY=8.6837
Normalizing to monitor 2
Normalizing to monitor 2
Itr 3: (325.285 , 330.53) SX=0.7977 SY=4.0150
Normalizing to monitor 2
Normalizing to monitor 2
Itr 4: (324.785 , 330.03) SX=1.7295 SY=1.1555
Normalizing to monitor 2
Normalizing to monitor 2
Itr 5: (325.035 , 329.53) SX=0.9982 SY=1.4898
Normalizing to monitor 2
Normalizing to monitor 2
Itr 6: (325.285 , 329.78) SX=0.7573 SY=0.8629
Normalizing to monitor 2
Normalizing to monitor 2
Itr 7: (325.535 , 330.03) SX=1.4791 SY=1.5028
Converged - check if stuck in local minimum!
Coordinates updated
Loading data **[changed Q range again here, re-ran from last coordinates]**
Iteration 1
xstart,ystart=325.535 330.03
Normalizing to monitor 2
Normalizing to monitor 2
Itr 0: (325.535 , 330.03) SX=0.7775 SY=4.0172
Normalizing to monitor 2
Normalizing to monitor 2
Itr 1: (326.535 , 331.03) SX=7.5700 SY=16.597
Normalizing to monitor 2
Normalizing to monitor 2
Itr 2: (326.035 , 330.53) SX=2.6640 SY=8.6805
Normalizing to monitor 2
Normalizing to monitor 2
Itr 3: (325.535 , 330.03) SX=0.7775 SY=4.0172
Normalizing to monitor 2
Normalizing to monitor 2
Itr 4: (325.035 , 329.53) SX=1.7121 SY=1.1523
Normalizing to monitor 2
Normalizing to monitor 2
Itr 5: (325.285 , 329.03) SX=0.9744 SY=1.4798
Normalizing to monitor 2
Normalizing to monitor 2
Itr 6: (325.535 , 329.28) SX=0.7291 SY=0.8564

Normalizing to monitor 2
Normalizing to monitor 2
Itr 7: (325.785 , 329.53) SX=1.4406 SY=1.4996
Converged - check if stuck in local minimum!
Coordinates updated
Loading data
Iteration 1

[HERE I re-ran with different starting coordinates, which I entered myself in the gui. NOTE that SX and SY are identical to previous iterations above!]

xstart,ystart=325.5 329.3
Normalizing to monitor 2
Normalizing to monitor 2
Itr 0: (325.5 , 329.3) SX=0.7775 SY=4.0172
Normalizing to monitor 2
Normalizing to monitor 2
Itr 1: (326.5 , 330.3) SX=7.5700 SY=16.597
Normalizing to monitor 2
Normalizing to monitor 2
Itr 2: (326.0 , 329.8) SX=2.6640 SY=8.6805
Normalizing to monitor 2
Normalizing to monitor 2
Itr 3: (325.5 , 329.3) SX=0.7775 SY=4.0172
Normalizing to monitor 2
Normalizing to monitor 2
Itr 4: (325.0 , 328.8) SX=1.7121 SY=1.1523
Normalizing to monitor 2
Normalizing to monitor 2
Itr 5: (325.25 , 328.3) SX=0.9744 SY=1.4798
Normalizing to monitor 2
Normalizing to monitor 2
Itr 6: (325.5 , 328.55) SX=0.7291 SY=0.8564
Normalizing to monitor 2
Normalizing to monitor 2
Itr 7: (325.75 , 328.8) SX=1.4406 SY=1.4996
Converged - check if stuck in local minimum!
Coordinates updated

[now try very different starting coordinates, which I entered myself. NOTE again that SX and SY are identical to previous iterations above!]

xstart,ystart=330.0 340.0
Normalizing to monitor 2
Normalizing to monitor 2
Itr 0: (330.0 , 340.0) SX=0.7775 SY=4.0172 **[this coord should be miles off, so SX and SY ought to be large!]**
Normalizing to monitor 2
Normalizing to monitor 2
Itr 1: (331.0 , 341.0) SX=7.5700 SY=16.597
Normalizing to monitor 2
Normalizing to monitor 2
Itr 2: (330.5 , 340.5) SX=2.6640 SY=8.6805
Normalizing to monitor 2

Normalizing to monitor 2

Itr 3: (330.0 , 340.0) SX=0.7775 SY=4.0172

Normalizing to monitor 2

Normalizing to monitor 2

Itr 4: (329.5 , 339.5) SX=1.7121 SY=1.1523

Normalizing to monitor 2

Normalizing to monitor 2

Itr 5: (329.75 , 339.0) SX=0.9744 SY=1.4798

Normalizing to monitor 2

Normalizing to monitor 2

Itr 6: (330.0 , 339.25) SX=0.7291 SY=0.8564

Normalizing to monitor 2

Normalizing to monitor 2

Itr 7: (330.25 , 339.5) SX=1.4406 SY=1.4996

Converged - check if stuck in local minimum!

Coordinates updated

[tried changing the HAB centre coordinates instead of Main, same result]

[edited the mask file and reloaded it, to set the coords to 330 340, now we get large SX and SY, except Mantid then hngg]