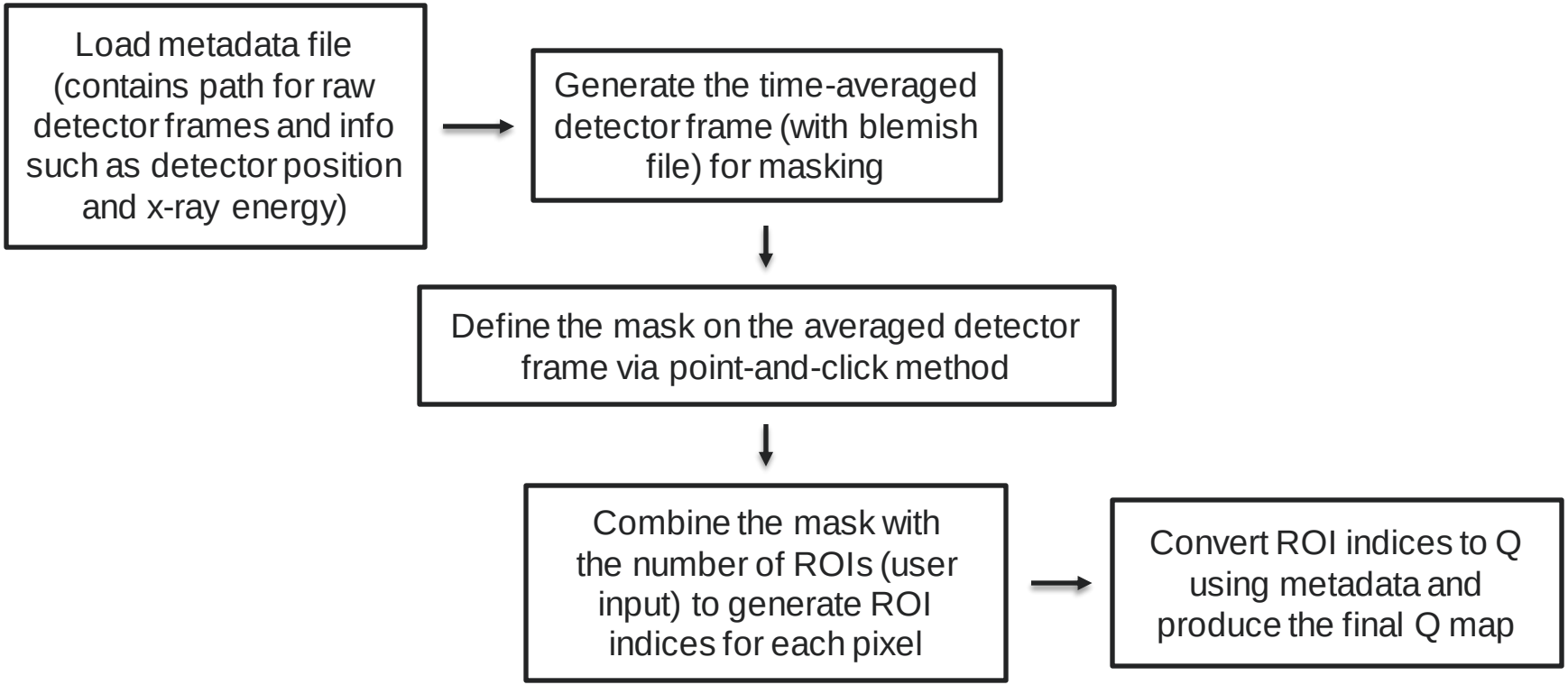
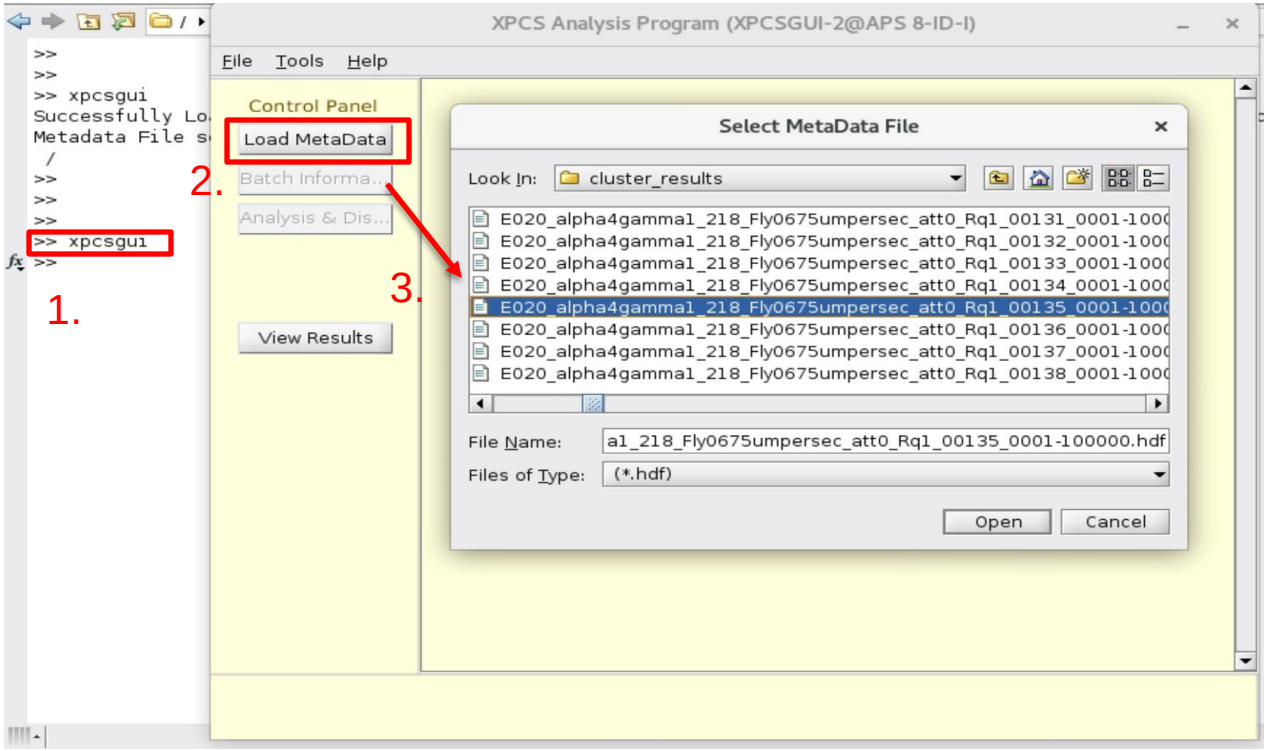
Data Flowchart for XPCS Q Map GUI

03/14/2020

Flowchart

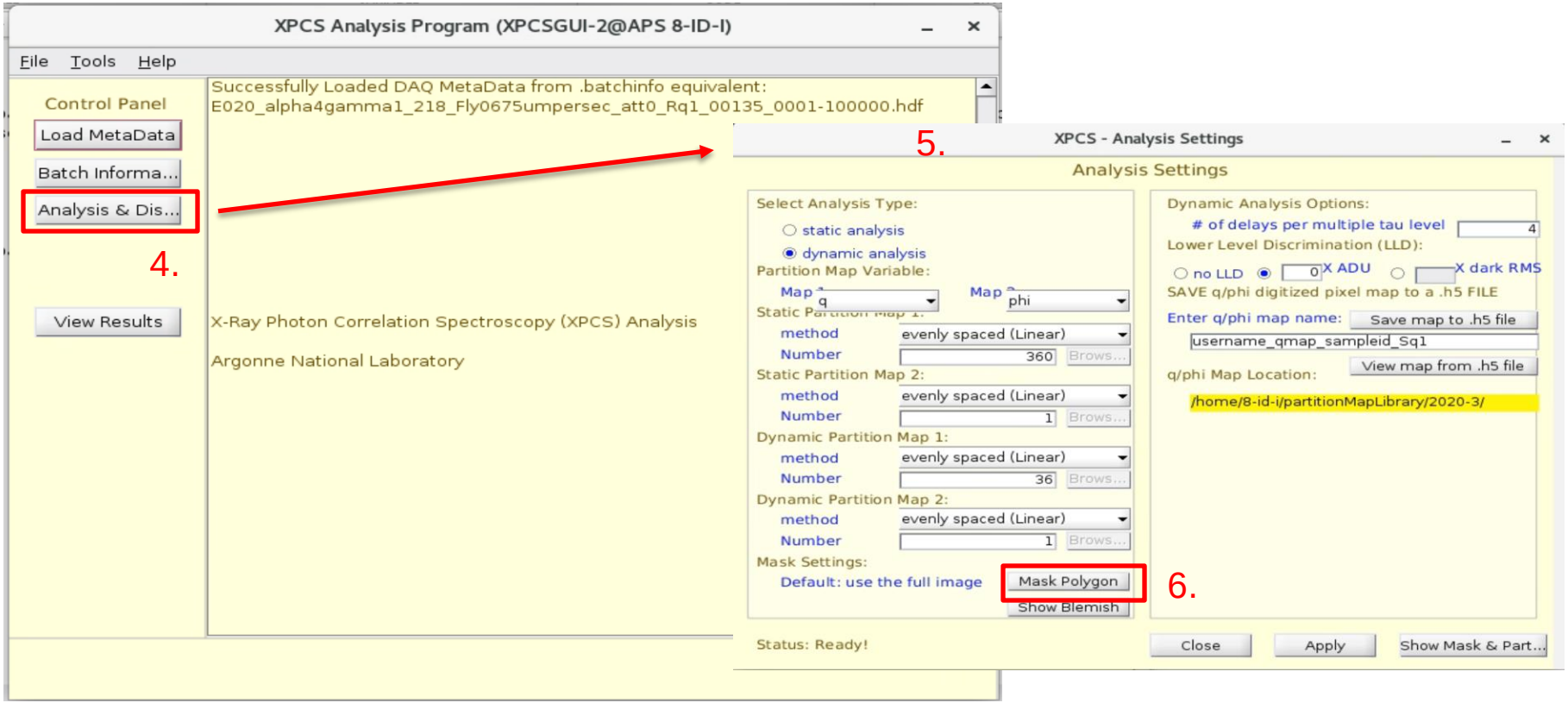


Procedure

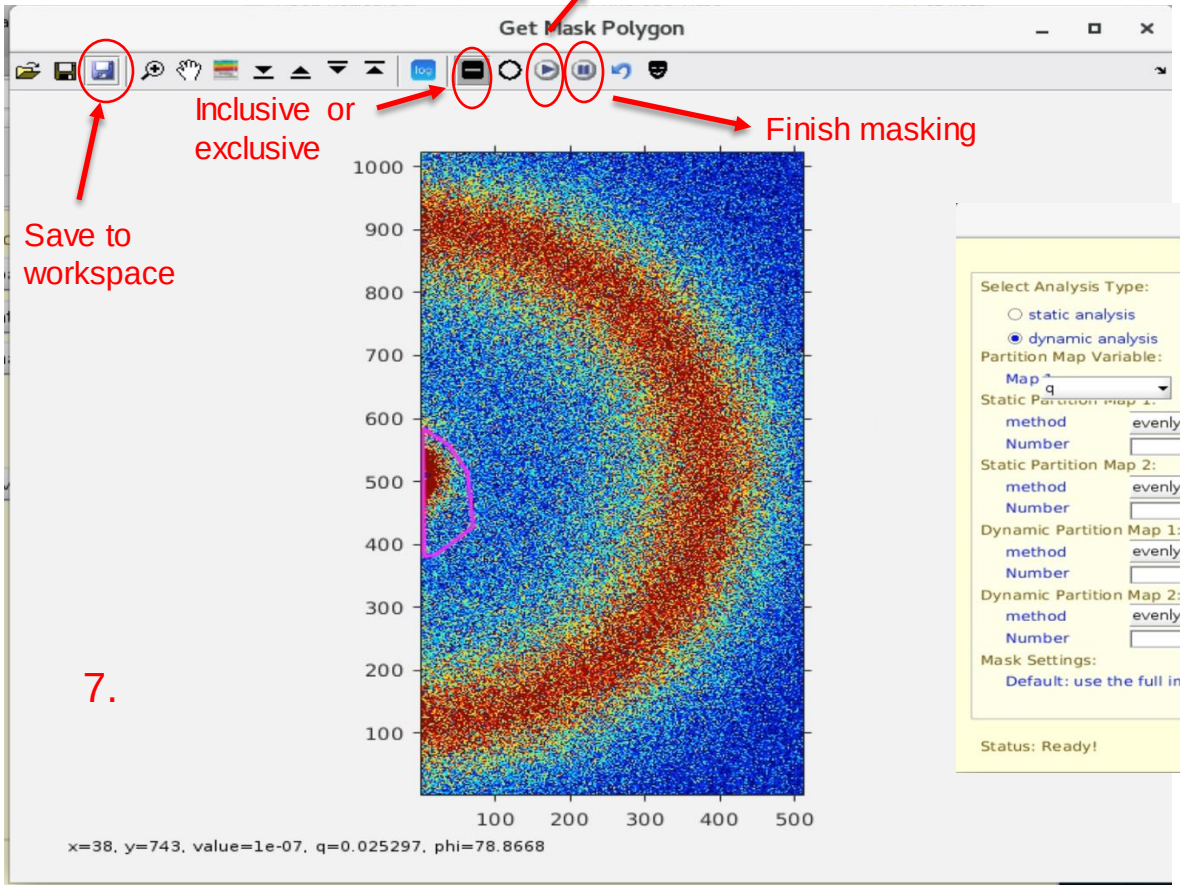


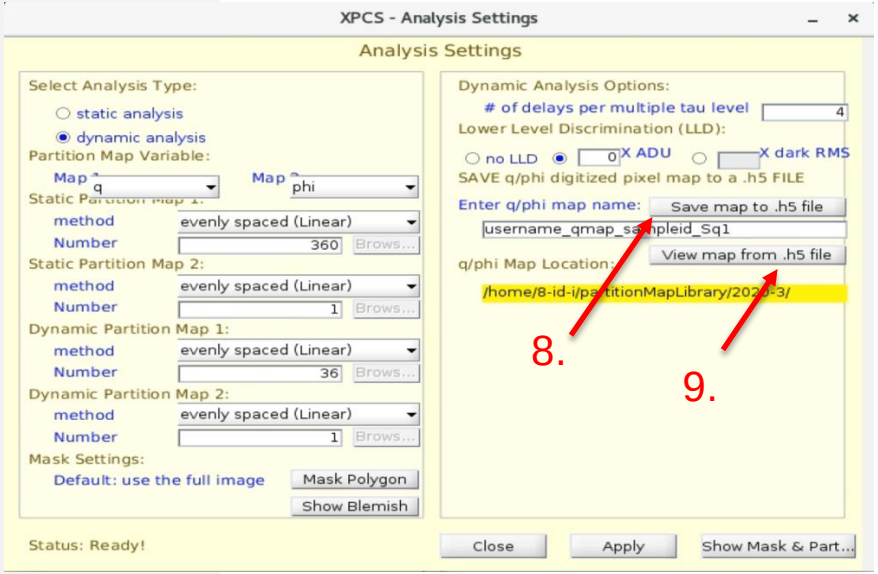
Full path of the file: /net/wolf/data/xpcs8/2021-1/lurio202103/cluster_results
Matlab path: /local/MATHWORKS_R2019a/bin/matlab

Procedure, Cont'd



Procedure, Cont'd





Procedure, Cont'd

MATLAB R2019a

HOME | PLOTS | APPS | xpcsgui2_anal... | Search Documentation | Sign In

New Script | New Live Script | New | Open | Find Files | Compare | Import Data | Save Workspace | New Variable | Open Variable | Clear Workspace | CODE | ENVIRONMENT | RESOURCES

FILE | VARIABLE

/ ▸ home ▸ 8ididata ▸ 2021-1 ▸ lurio202103 ▸ cluster_results ▸

```
------------------------------
Reading Results took 0.4 Seconds
------------------------------------------------
Done adding the selected MULTITAU results to VIEW RESULT GUI..
Use the GUI to pick and plot
------------------------------------------------
>> close all
Unknown mode: seems neither compressed nor Raw /net/wolf/data/xpcs8/2021-1/lurio202103/E017_alpha4gamma1_
    '/net/wolf/data/xpcs8/2021-1/lurio202103/E017_alpha4gamma1_286_Fly1250umpersec_att0_Rq1_00046/E017_al
  Name            Size                Bytes  Class     Attributes

  data      3478488x1             27827904  uint64

Begin Picking Bits
File reading is done
Elapsed time is 0.350670 seconds.
dynamic q-values are:
```

10.

dynamic_q_values	dynamic_Phi_values	Num_Pixels_in_bin	Index
0.00974458083510399	0.0345290675759315	23820	1
0.0211461931467056	-0.0175480060279369	67758	2
0.033549215644598	0.000913190422579646	111626	3
0.0461022667586803	-4.48841929028276e-05	155500	4
0.0572592802345753	0.377685338258743	120075	5
0.0689385458827019	0.621898055076599	30154	6

```
CCD positions are: ccdx=132.000000,ccdz=-40.200001,ccdx0=152.000000,ccdz0=-40.200001
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
QMAP Location is: /home/8-id-i/partitionMapLibrary/2021-1/
QMAP Filename is: username_qmap_sampleid_Sq1.h5
Full QMAP Filename is: /home/8-id-i/partitionMapLibrary/2021-1/username_qmap_sampleid_Sq1.h5
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
>> x
```

Figure 65535

File Edit View Insert Tools Desktop Window Help

10.