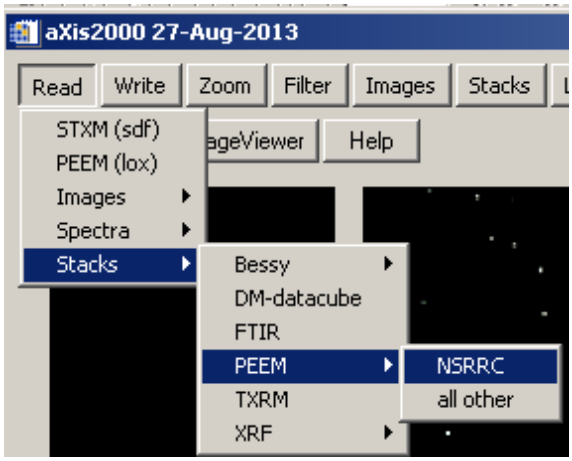
Reading in NSRRC PEEM stacks

Contacts: SPEM staff scientist: Der Hsin Wei (dhw@nsrrc.org.tw)

Example file:

2005-Jun_23-Cu(110)+6MLMn+6MlCo-628-673_film area PhaseP9p9_01.Pem



User is prompted for

- NX - number of columns
- NY - number of rows
- Nimg - number of images
- Dark level
- First energy
- Last energy
- Exposure time/image (msec)
- Pixel size (nm)
- Binning

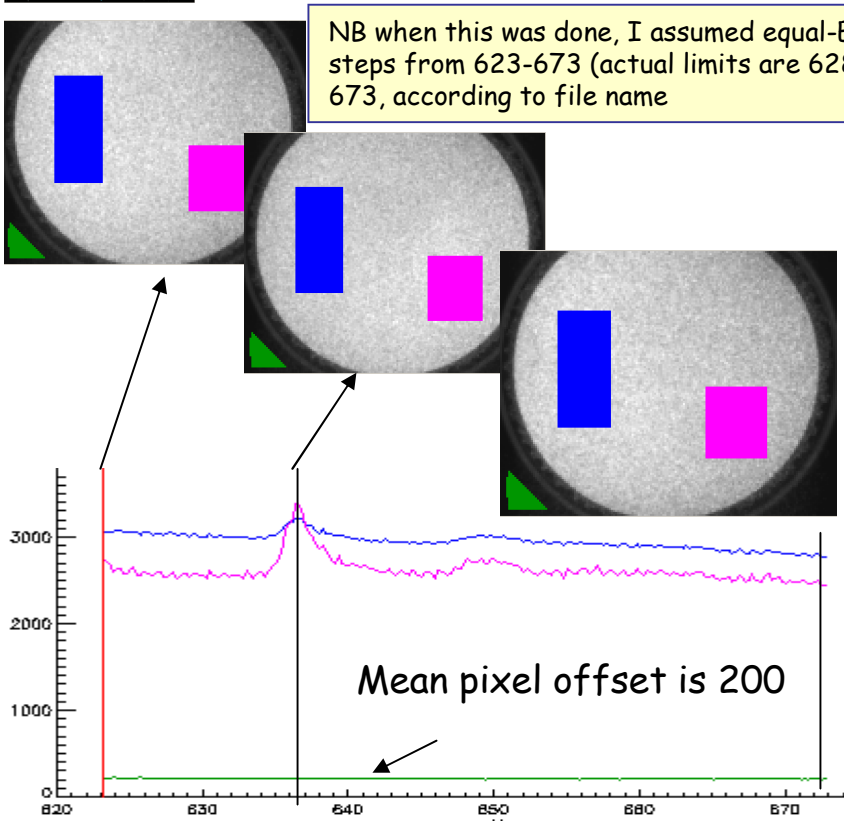
Routine reads stack and

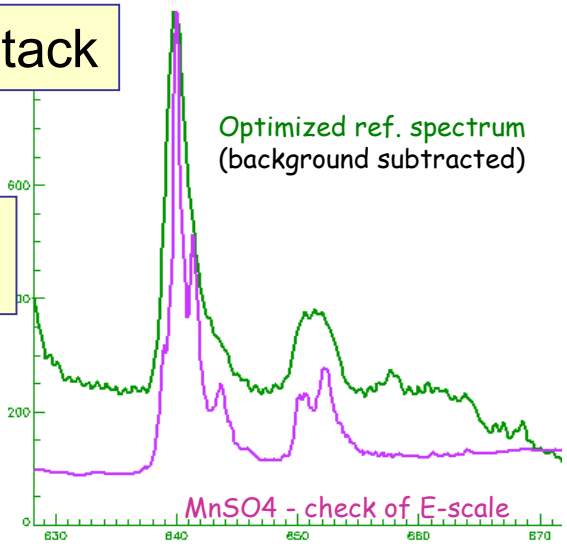
* writes out an aXis2000 format stack as (*.ncb, *.dat) files
* returns the average of all images (displayed in the active buffer of aXis2000

Reading in NSRRC PEEM stack

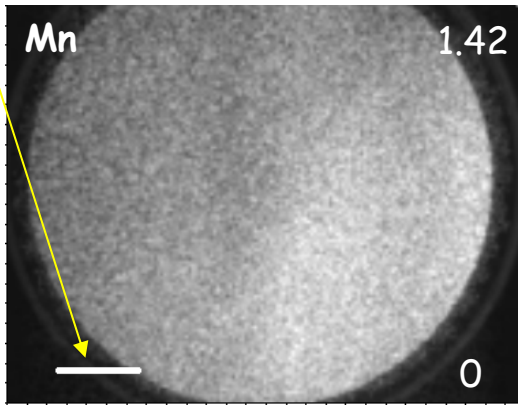
STACK analysed

NB when this was done, I assumed equal-E steps from 623-673 (actual limits are 628-673, according to file name





No info supplied about pixel size



constant (**Cu substrate**)