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## SCA ALIASES ##
## Beamline Energy
RSXS.sca('Energy', 'Data/beam')
## Total Electron Yield
RSXS.sca('TEY', 'Data/tey')
## Mesh Current
RSXS.sca('IO', 'Data/i0')
## Total Electron Yield Normalized
RSXS.sca('TEY_N', 'Data/tey', norm_by = 'Data/i0')

## MCA DETECTORS ##
## XRF SDD (Fixed Angle)
RSXS.mca('SDDX', 'Data/sdd_xrf_mca', 'Data/sdd_xrf_scale', None)
## 2Theta Arm SDD
RSXS.mca('SDDA', 'Data/sdd_arm_mca', 'Data/sdd_arm_scale', None)
## XRF SDD (Fixed Angle) Normalized
RSXS.mca('SDDX_N', 'Data/sdd_xrf_mca', 'Data/sdd_xrf_scale', 'Data/i0')
## 2Theta Arm SDD Normalized
RSXS.mca('SDDA_N', 'Data/sdd_arm_mca', 'Data/sdd_arm_scale', 'Data/i0')

## IMAGE DETECTORS ##
## MCP Image
RSXS.stack('mcpIMG', 'Data/mcp_a_img', 'Data/mcp_tth_scale', 'Data/mcp_detz_scale', None)
## MCP Image w/o Scales
RSXS.stack('mcpIMG_N', 'Data/mcp_a_img', None, None, None)

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## LOG BOOK ENTRIES FOR RSXS ES ##
rsxs_log['Command'] = 'command'
rsxs_log['Sample'] = 'Endstation/Sample/Name'
rsxs_log['Comments'] = ('comment_01', 'comment_02', 'comment_03', 'comment_04', 'comment_05',
                        'comment_06', 'comment_07', 'comment_08', 'comment_09', 'comment_10')
rsxs_log['X'] = ['Endstation/Motors/x', 3]
rsxs_log['Y'] = ['Endstation/Motors/y', 3]
rsxs_log['Z'] = ['Endstation/Motors/z', 3]
rsxs_log['Theta'] = ['Endstation/Motors/th', 3]
rsxs_log['2Theta'] = ['Endstation/Motors/tth', 3]
rsxs_log['Chi'] = ['Endstation/Motors/chi', 3]
rsxs_log['Phi'] = ['Endstation/Motors/phi', 3]
rsxs_log['Detz'] = ['Endstation/Motors/detz', 3]
rsxs_log['H'] = ['Endstation/Motors/H', 4]
rsxs_log['K'] = ['Endstation/Motors/K', 4]
rsxs_log['L'] = ['Endstation/Motors/L', 4]
rsxs_log['Temperature'] = ['Endstation/Counters/t_k', 2]
rsxs_log['Energy'] = ['Beamline/Monochromator/beam', 2]
rsxs_log['Exit Slit'] = ['Beamline/Apertures/Exit_Slit/vert_gap', 1]
rsxs_log['Flux'] = 'Beamline/flux'
rsxs_log['Dwell'] = ['Endstation/Counters/sec', 1]
rsxs_log['Mirror/Grating'] = ('/Beamline/Monochromator/grating', '/Beamline/Monochromator/mirror')
rsxs_log['Polar/Harmonic'] = ('Beamline/Source/EPU/polarization', 'Beamline/Source/EPU/harmonic')
rsxs_log['Status'] = 'status'
rsxs_log['Date'] = 'date'

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