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## SCA ALIASES ##
RIXS.sca('Energy', 'Data/beam')
RIXS.sca('TEY', 'Data/tey')
RIXS.sca('IO', 'Data/i0')
RIXS.sca('TEY_N', 'Data/tey', norm_by = 'Data/i0')

## MCA DETECTORS ##
## SDD A, Inline with XES
RIXS.mca('SDDA', 'Data/sdd_a_mca', 'Data/sdd_a_scale', None)
## SDD A, Inline with XES, No Scale
RIXS.mca('SDDA_NOSCALE', 'Data/sdd_a_mca', None, None)
## SDD A, Inline with XES, Normalized
RIXS.mca('SDDA_N', 'Data/sdd_a_mca', 'Data/sdd_a_scale', norm_by = 'Data/i0')
## SDD B, Inline with VLS
RIXS.mca('SDDB', 'Data/sdd_b_mca', 'Data/sdd_b_scale', None)
## SDD B, Inline with VLS, No Scale
RIXS.mca('SDDB_NOSCALE', 'Data/sdd_b_mca', None, None)
## SDD B, Inline with VLS, Normalized
RIXS.mca('SDDB_N', 'Data/sdd_b_mca', 'Data/sdd_b_scale', norm_by = 'Data/i0')
## Optical Spectrometer
RIXS.mca('XEOL', 'Data/xeol_a_mca_norm', 'Data/xeol_a_scale', None)
## Optical Spectrometer, Normalized
RIXS.mca('XEOL_N', 'Data/xeol_a_mca_norm', 'Data/xeol_a_scale', norm_by = 'Data/i0')
## XES Spectrometer
RIXS.mca('XES', 'Data/mcp_xes_mca', 'Data/mcp_xes_scale', None)
## XES Spectrometer, Normalized
RIXS.mca('XES_N', 'Data/mcp_xes_mca', 'Data/mcp_xes_scale', norm_by = 'Data/i0')

## IMAGE DETECTORS ##
## MCP A Image
RIXS.stack('mcpIMG_A', 'Data/mcp_a_img', None, None, None)
## MCP B Image
RIXS.stack('mcpIMG_B', 'Data/mcp_b_img', None, None, None)

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#LOGBOOK ENTRIES FOR RIXS ES ##
rixs_log['Command'] = 'command'
rixs_log['Sample'] = 'Endstation/Sample/Name'
rixs_log['Comments'] = ('comment_01', 'comment_02', 'comment_03', 'comment_04', 'comment_05',
                        'comment_06', 'comment_07', 'comment_08', 'comment_09', 'comment_10')
rixs_log['Horz (ssh)'] = ['Endstation/Motors/ssh', 2]
rixs_log['Vert (ssv)'] = ['Endstation/Motors/ssv', 2]
rixs_log['Depth (ssd)'] = ['Endstation/Motors/ssd', 2]
rixs_log['Angle (ssa)'] = ['Endstation/Motors/ssa', 1]
rixs_log['Temperature'] = ['Endstation/Counters/temp', 1]
rixs_log['Energy'] = ['Beamline/Monochromator/beam', 2]
rixs_log['Exit Slit'] = ['Beamline/Apertures/Exit_Slit/vert_gap', 1]
rixs_log['Flux'] = 'Beamline/flux'
rixs_log['Dwell'] = ['Endstation/Counters/sec', 1]
rixs_log['Mirror/Grating'] = ('/Beamline/Monochromator/grating', '/Beamline/Monochromator/mirror')
rixs_log['Polar/Harmonic'] = ('Beamline/Source/EPU/polarization', 'Beamline/Source/EPU/harmonic')
rixs_log['XES Energy'] = ['Endstation/Detectors/XES/mcp_mca_xes_energy', 2]
rixs_log['XES Grating'] = 'Endstation/Detectors/XES/mcp_mca_xes_grating'
rixs_log['XES Offset'] = ['Endstation/Detectors/XES/mcp_mca_xes_offset', 1]
rixs_log['Shift File'] = 'Endstation/Detectors/XES/mcp_mca_xes_shift_file'
rixs_log['XEOL Rate'] = ['Endstation/Detectors/XEOL/xeol_time_rate_a', 3]
rixs_log['Status'] = 'status'
rixs_log['Date'] = 'date'

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