

BL Process Variables

In every XAS saved file the recorded process variables (Energy, TE yield, FL yield etc.) are listed as follow:

Step Scan, MCP detector:

BL1611-ID-2:Energy:fbk	☞	Beamline Energy feedback (eV)
A1611-4-11:nA:fbk	☞	EndStation Ni mesh Io current (nA)
A1611-4-09:nA:fbk	☞	TEY (nA)
A1611-4-08:nA:fbk	☞	FLY (nA)
A1611-4-10:nA:fbk	☞	Si Photodiode current (nA)
A1611-4-02:nA:fbk	☞	Branch A Exit Slit Lower Blade current (nA)
A1611-4-03:nA:fbk	☞	Branch A Exit Slit Upper Blade current (nA)
A1611-4-04:nA:fbk	☞	Branch B Exit Slit Lower Blade current (nA)
A1611-4-05:nA:fbk	☞	Branch B Exit Slit Upper Blade current (nA)
A1611-3-03:nA:fbk	☞	Entrance Slit Lower Blade current (nA)
A1611-3-04:nA:fbk	☞	Entrance Slit Upper Blade current (nA)
UND1411-02:gap:mm:fbk	☞	Undulator Gap (mm)
PCT1402-01:mA:fbk	☞	Ring current (mA)
SMTR16114I2004:enc:fbk	☞	Monochromator Encoder Feedback
BL1611-ID-2:Energy	☞	Beamline Energy
BL1611-ID-2:dwel:setTime	☞	Sampling dwell time
A1611-4-12:nA:fbk	☞	Beamline Ni mesh Io current (nA)

The green and blue ones are the very important ones. The others are an important source of information for the beamline staff in case anything goes wrong.

Fast (on the Fly) Scan, MCP detector:

Relative-Start-Time		Relative Time
BL1611-ID-2:Energy:fbk:mean	☞	☞ Mean value Beamline Energy feedback (eV)
A1611-4-11:nA:fbk	☞	☞ EndStation Ni mesh Io current (nA)
A1611-4-09:nA:fbk	☞	☞ TEY (nA)
A1611-4-08:nA:fbk	☞	☞ FLY (nA)
A1611-4-10:nA:fbk	☞	☞ Si Photodiode current (nA)
A1611-4-02:nA:fbk	☞	☞ Branch A Exit Slit Lower Blade current (nA)
A1611-4-03:nA:fbk	☞	☞ Branch A Exit Slit Upper Blade current (nA)
A1611-4-04:nA:fbk	☞	☞ Branch B Exit Slit Lower Blade current (nA)
A1611-4-05:nA:fbk	☞	☞ Branch B Exit Slit Upper Blade current (nA)
A1611-3-03:nA:fbk	☞	☞ Entrance Slit Lower Blade current (nA)
A1611-3-04:nA:fbk	☞	☞ Entrance Slit Upper Blade current (nA)
A1611-4-12:nA:fbk		☞ Beamline Ni mesh Io current (nA)
PCT1402-01:mA:fbk	☞	☞ Ring current (mA)
UND1411-02:gap:mm:fbk	☞	☞ Undulator Gap (mm)
SMTR16114I2004:enc:fbk	☞	☞ Monochromator Encoder Feedback
BL1611-ID-2:Energy	☞	☞ Beamline Energy
SMTR16114I2004:velo:fbk	☞	☞ Monochromator Encoder Feedback
BL1611-ID-2:Energy:fbk	☞	☞ Beamline Energy feedback
BL1611-ID-2:dwell:setTime	☞	☞ Sampling dwell time

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Step Scan, SDD detector:

BL1611-ID-2:Energy:fbk	☞	Beamline Energy feedback (eV)
A1611-4-11:nA:fbk	☞	EndStation Ni mesh Io current (nA)
A1611-4-09:nA:fbk	☞	TEY (nA)
PDTR1611-4-E03-01:mca1Corr.R0	☞	ROI 0 (total) corrected by DeadTime
PDTR1611-4-E03-01:mca1Corr.R1	☞	ROI 1 (ch 60-90) corrected by DeadTime
PDTR1611-4-E03-01:mca1Corr.R2	☞	ROI 2 (ch 0-75) corrected by DeadTime
PDTR1611-4-E03-01:mca1Corr.R3	☞	ROI 3 (ch 40-60) corrected by DeadTime
A1611-4-12:nA:fbk	☞	Beamline Ni mesh Io current (nA)
BL1611-ID-2:dwell:setTime	☞	Sampling dwell Time
PDTR1611-4-E03-01:mca1.R0	☞	ROI 0 (total)
PDTR1611-4-E03-01:mca1.R1	☞	ROI 1 (ch 60-90)
PDTR1611-4-E03-01:mca1.R2	☞	ROI 2 (ch 0-75)
PDTR1611-4-E03-01:mca1.R3	☞	ROI 3 (ch 40-60)
PDTR1611-4-E03-01:dpp1:DeadTime:est	☞	DeadTime

... and many more...

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