

Jungfrau 4M

Identification

Firmware	xxxx	updated date	
Module identifiers			

Nominal Operating Voltages and Currents

Performance Measures

Bad Switch Status

[Jungfrau bad gain mode switch status](#)

exp:run (date)	Number of bad pixels (total)	Number of bad switch pixels
cxix53120 : 35 (03/20/2022)	4213, map	2066, map
cxilx5920 : 159 (03/07/2022)	4564, map	2067, map
cxilw6120 : 207 (02/20/2022)	4499, map	1955, map
cxic00120 : 42 (02/11/2022)	3782, map	1814, map
cxic00120 : 2 (01/11/2022)	857, map	664, map

Pedestal

Method: Dark environment, nominal operation, collect 1000 frames @120Hz. Generate per-pixel mean and standard deviation over 1000 frames. Pixels more than 3 sigma out of detector-wide mean are flagged bad. Files archived as xxxxx.

Summary Values

Date	Mean	StdDev	#Bad

Pedestal Map

Noise map

Gain and uniformity (photon source)L

Linearity (signal injection)

Thermal measurements (all thermometers)

Experiment History

Experiment	Hutch	Shifts	Date Deployed
Commissioning	MFX	1	15 June 2020

Calibration Records

Date	Hutch	Date	Record link	Comment
Commissioning	MFX	7/29/20	15 June 2020	