

ePix100 (no.12)

Identification Details and Hardware Changelog

Firmware	CarrierID0	CarrierID1	DigitalCardID0	DigitalCardID1	AnalogCardID0	AnalogCardID1	Date
3925999620	1000248321	4076863498	1794137088	0410306571	2402454273	0067108888	April 2022

0xea020004 = 3925999620

Performance Measures

Pedestals and Noise

For Pedestals, 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 (non-conforming pixels aka NCP).

exp:run (mm/dd /yy)	Temp (° C)	Humidity (%)	Mean Pedestal Value (ADU)	Number of Ped NCP	Pedestal Graphs	Noise (ADU)	Number of Noise NCP	Noise Graphs
					Histogram/Pixel Map			Histogram/Pixel Map

Bad Pixel Map

Map all pixels with a non-zero bad status bit, which is defined [here](#).

Configuration Settings

Experiment History:

Run	Experiment	Hutch	Shifts	Date Deployed
22	X-10043	XCS	4	11 Jan 2024
	X-10004	XCS	5	28 Mar 2024
	L-10267	XPP	5	09 Apr 2024
	L-10057	XPP	1	22 May 2024