ePix100 (no.30)

Identification Details and Hardware Changelog

Firmware	CarrierID0	CarrierID1	DigitalCardID0	DigitalCardID1	AnalogCardID0	AnalogCardID1	Date
3925999620	171598081	1879048214	1794135040	1745668107	2998264677	2181038105	August 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 (^{o} 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:

Experiment	Hutch	Shifts	Date Deployed
L-10034	MEC	5	03/18/2024
L-10101	XPP	1	22 May 2024
L-10237	XPP	5	22 May 2024