

ePix100 (no.8) - old

Identification Details and Hardware Changelog

Firmware	CarrierID0	CarrierID1	DigitalCardID0	DigitalCardID1	AnalogCardID0	AnalogCardID1	Date
3925999620	0996579585	0553648138	1232098304	1221641739	2650251521	3976200215	April 2022

0xea020004 = 3925999620

Performance Measures

Summary

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. Files archived as xxxx.

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	Config	Run Notes
detdaq20, run 128 (3/28/22)	16.5	4	4118 ± 226	32	Histogram /Pixel Map Pedestal NCP Map	2	539	Histogram /Pixel Map Pedestal NCP Map	image	
detdaq19, run 263 (11/11/21)	6	3.7	3922 ± 223	29	Histogram /Pixel Map Pedestal NCP Map	2	720	Histogram /Pixel Map Pedestal NCP Map	image	
detdaq18, run 267 (9/3/20)			3908 ± 224	26	Histogram /Pixel Map Pedestal NCP Map	19	3332	Histogram /Pixel Map Pedestal NCP Map	image	

Thermal measurements (all thermometers)

Configuration Settings

History

Run 19

Experiment	Hutch	Shifts	Date Deployed (mm/dd/yy)
LW64	XPP		9/22/21

Testing

Where	Who	Why	When (mm /dd/yy)	Notes
TID	Doering	Test LCLS-II firmware	12/06/21	All clear