

ePix10k Q.2 -old

Identification Details and Hardware Changelog

Nominal Operating Voltages and Currents

Ch.	Line	V	I

Performance Measures

Experiment=detdaq18, Run=427 (Nov 24, 2020)

Pedestal Summary

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.

Map of pedestal non-conforming pixels for all gain modes [here](#).

Gain Mode	Mean Pedestal Value (ADU)	Number of NCP	Pixels Map, Histogram
FH	2916 $\pm$ 170	3	Graphs
FM	2895 $\pm$ 169	3	Graphs
FL	2889 $\pm$ 169	3	Graphs
AHL	2939 $\pm$ 171	3	Graphs
AML	2914 $\pm$ 170	3	Graphs

Noise Summary

Map of noise non-conforming pixels for all gain modes [here](#).

Gain Mode	Variation (ADU)	Number of NCP	Pixels Map, Histogram
FH	6	7206	Graphs
FM	3	54153	Graphs
FL	2	36520	Graphs
AHL	6	2146	Graphs
AML	3	10515	Graphs

Gain and uniformity (photon source)

Map of gain non-conforming pixels for all gain modes [here](#).

Gain Mode	Number of NCP
FH	0
FM	0
FL	481
AHL	8
AML	8

Linearity (signal injection)

Thermal measurements (all thermometers)

Experiment History

Experiment	Hutch	Shifts	Date Deployed