

Illunis XMV-4022 Test Report

Manufacturing Test Report

Camera Model	Illunis XMV-4022	
Serial Number	31049	
Testing Date	4/21/2008 3:08:13 PM	
Bit Depth	12	
Analog Gains	Left Tap: 52	Right Tap: 52
Sample	Left Tap: 0	Right Tap: 3
Clamp	Left Tap: 40	Right Tap: 40
Substrate Voltage	11.54	(V)
Camera Internal Temperature	37	(C)
Exposure Time	9.91	(ms)
Lines of Erasure	1921	
Camera Hardware Revision	3048	
Microcontroller Revision	E8	
FPGA Revision	E8	
Test Software Version	2.1.3033.25170	
Test Results:		
Full Well Capacity (e-)	Left Tap: 71453.00	Right Tap: 46960.20
Full Mean Value (DN)	Left Tap: 3904.16	Right Tap: 4023.19
Camera Gain (e-/DN)	Left Tap: 17.45	Right Tap: 11.47
Read Noise (DN)	Left Tap: 1.33	Right Tap: 1.35

XIV Photon Transfer Curve

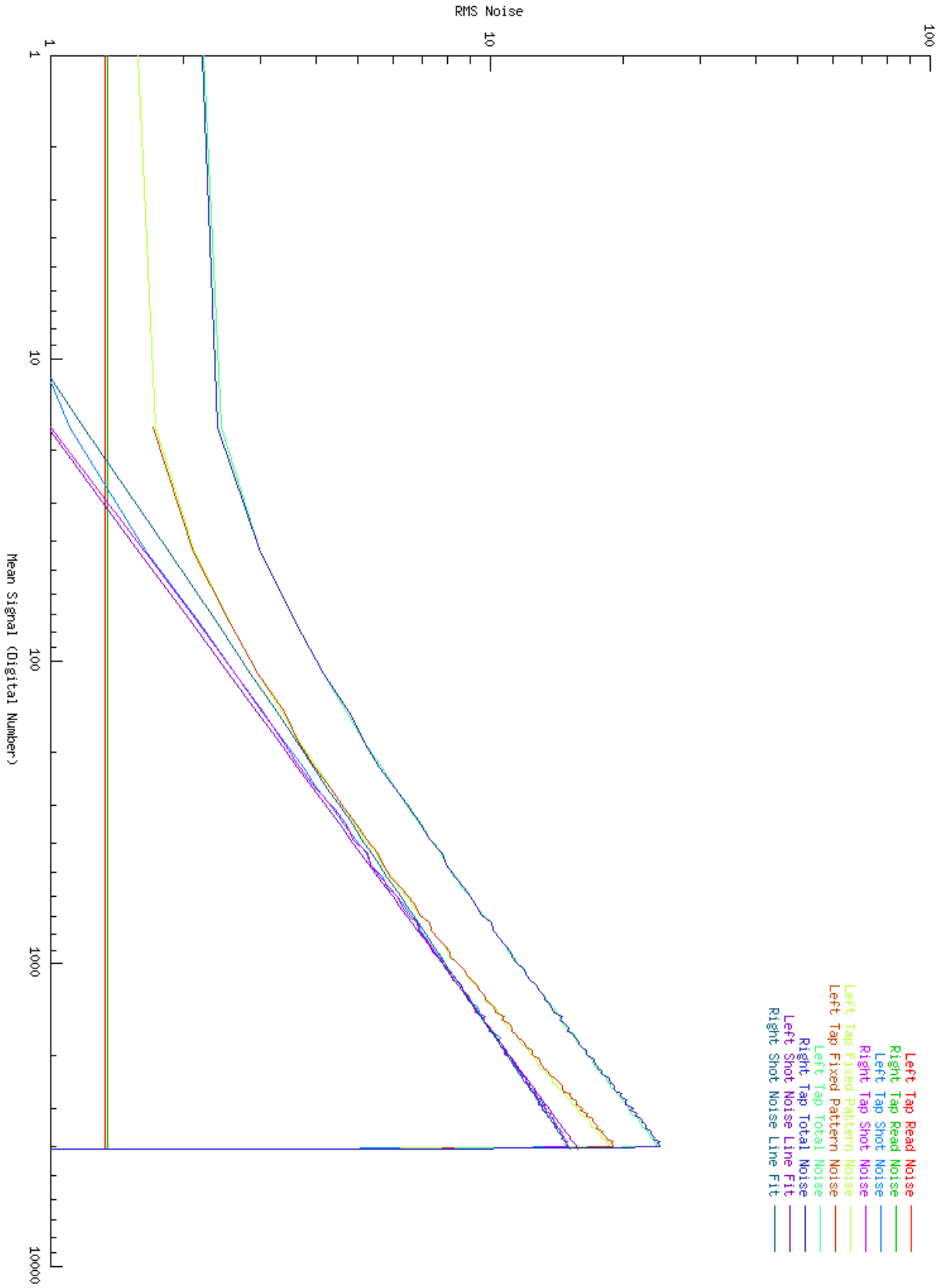


Photo Response Linearity

Light Level	Left Tap Mean	Left Non-Linearity	Right Tap Mean	Right Non-Linearity
0.00	0.01	-0.13	0.01	-0.13
0.04	109.77	-0.03	110.24	-0.03
0.08	263.74	0.01	264.18	0.00
0.11	387.19	0.02	387.58	0.02
0.15	558.41	0.02	558.90	0.02
0.19	733.20	0.03	733.05	0.02
0.23	909.67	0.02	908.38	0.02
0.27	1087.14	0.02	1085.06	0.02
0.30	1221.02	0.02	1218.06	0.02
0.34	1399.26	0.01	1395.78	0.02
0.38	1578.61	0.01	1574.21	0.01
0.42	1757.35	0.00	1752.20	0.01
0.46	1936.16	0.00	1930.47	0.00
0.49	2071.12	-0.01	2064.65	0.00
0.53	2248.15	-0.01	2241.43	-0.01
0.57	2427.09	-0.01	2419.93	-0.01
0.61	2603.28	-0.01	2596.36	-0.01
0.65	2779.23	-0.01	2771.96	-0.01
0.68	2910.35	-0.01	2902.97	-0.01
0.72	3085.36	-0.01	3077.90	-0.01
0.76	3259.55	-0.01	3252.01	-0.01
0.80	3432.47	-0.01	3425.14	-0.01
0.84	3604.96	0.00	3597.41	0.00
0.87	3733.99	0.00	3726.78	0.00
0.91	3904.16	0.01	3897.14	0.01
0.95	4065.87	0.03	4061.29	0.02

Pixel Defect Search Results

Defective Pixels

##DEFECT_LIST

