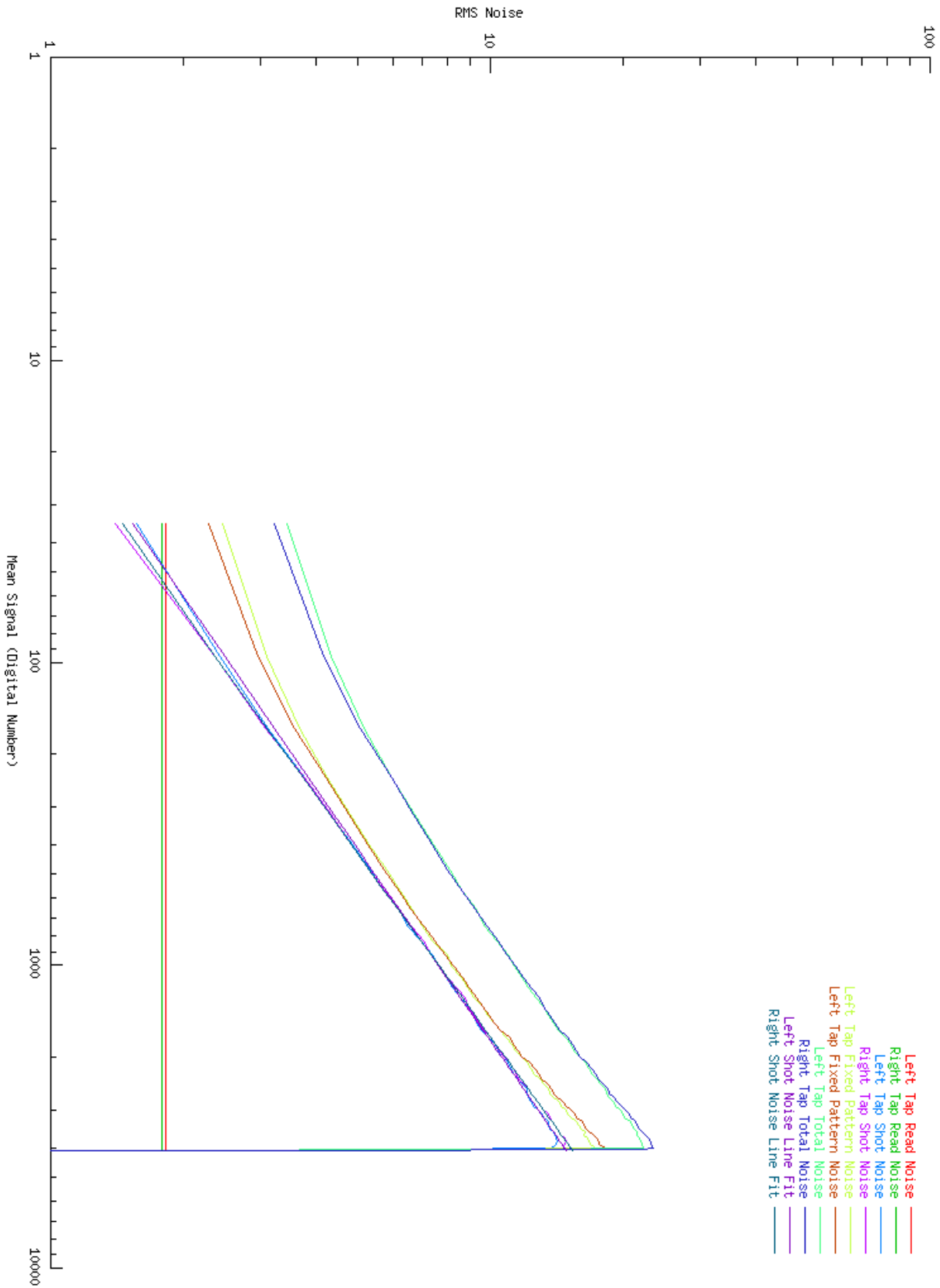


# Illunis XMV-4021 Test Report

## Manufacturing Test Report

Camera Model	Illunis XMV-4021	
Capture Device	GigaLinx GigE Connect	
Serial Number	11914	
Testing Date	4/23/2008 9:59:24 AM	
Bit Depth	17563654	
Analog Gains	Left Tap: 52	Right Tap: 52
Sample	Left Tap: 0	Right Tap: 0
Clamp	Left Tap: 41	Right Tap: 43
Offset	Left Tap: 16	Right Tap: 16F
Substrate Voltage	9.35	(V)
Camera Internal Temperature	37	(C)
Exposure Time	9.951	(ms)
Lines of Erasure	1765	
Clock Frequency	40.00	MHz
Camera Hardware Revision	3048	
Microcontroller Revision	E8	
FPGA Revision	E8	
Test Software Version	2.1.3034.28580	
Test Results:		
Full Well Capacity (e-)	Left Tap: 57611.64	Right Tap: 70261.97
Full Mean Value (DN)	Left Tap: 3822.00	Right Tap: 3792.76
Camera Gain (e-/DN)	Left Tap: 14.07	Right Tap: 17.16
Read Noise (DN)	Left Tap: 1.82	Right Tap: 1.79

XIV Photon Transfer Curve



# Photo Response Linearity

Light Level	Left Tap Mean	Left Non-Linearity	Right Tap Mean	Right Non-Linearity
0.00	-0.08	-0.20	0.00	-0.18
0.02	95.45	-0.07	96.40	-0.06
0.04	240.32	-0.02	240.43	-0.01
0.07	400.28	0.01	399.41	0.02
0.09	567.79	0.03	566.67	0.03
0.10	653.90	0.03	652.37	0.04
0.12	827.76	0.04	827.35	0.04
0.14	1007.98	0.04	1007.13	0.04
0.17	1182.82	0.05	1183.65	0.04
0.19	1365.31	0.04	1364.88	0.03
0.21	1547.53	0.03	1546.01	0.03
0.23	1728.56	0.03	1726.01	0.02
0.25	1911.47	0.02	1906.77	0.02
0.26	2001.97	0.02	1996.79	0.01
0.29	2184.99	0.02	2177.04	0.01
0.31	2367.29	0.01	2356.93	0.01
0.33	2550.11	0.00	2536.65	0.00
0.35	2732.03	0.00	2716.09	0.00
0.37	2917.08	-0.01	2898.73	-0.01
0.40	3099.20	-0.02	3078.71	-0.01
0.42	3280.91	-0.02	3258.34	-0.02
0.43	3371.49	-0.02	3347.94	-0.02
0.45	3552.67	-0.03	3526.65	-0.02
0.47	3731.71	-0.03	3703.72	-0.02
0.50	3909.97	-0.02	3879.69	-0.02
0.52	4069.36	0.00	4046.26	0.00

# Pixel Defect Search Results

Defective Pixels
##DEFECT_LIST

