

**University of Arizona
Imaging Technology Laboratory**

Detector Characterization Report

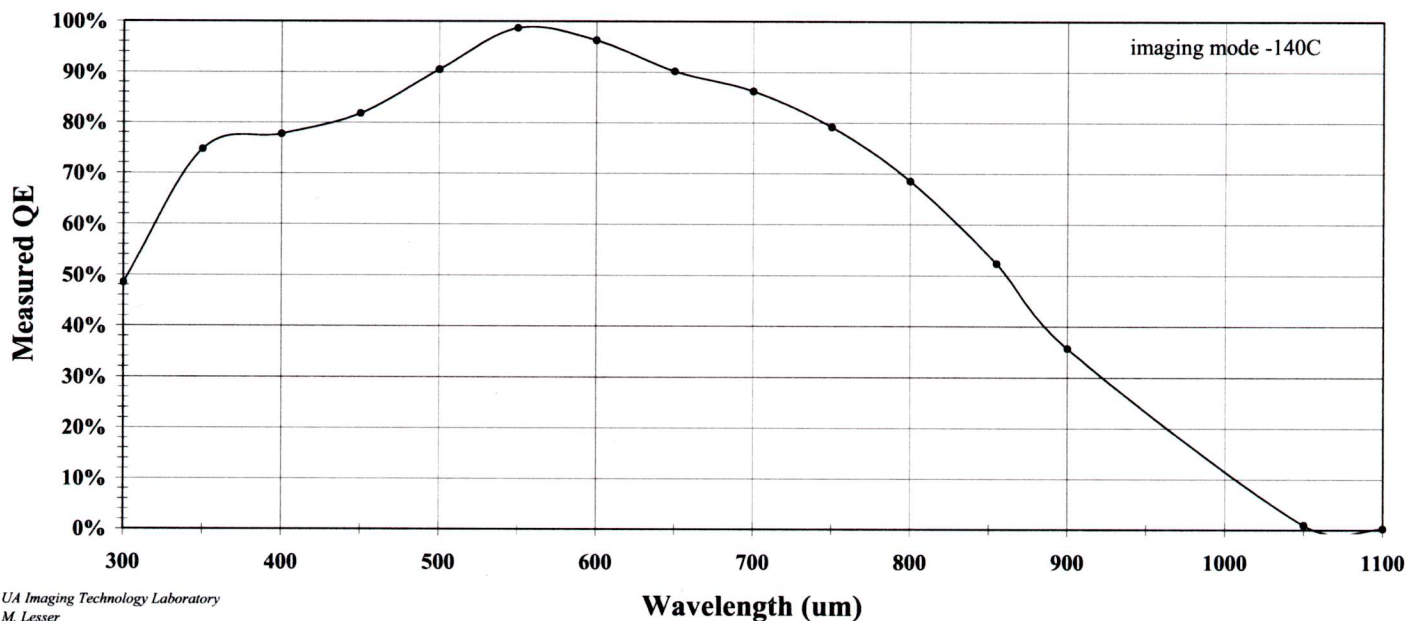
Identification		
Customer	WIYN	
Project	STA1042	
Device	ITL SN	5644
	Type	STA1042A
	Lot	111195
	Wafer	2
	Die	1
Date	12 August, 2007	
Author	M. Lesser	

Operating Conditions	
System	Cart3
Temperature	-140 C

Test Results		
Amp	0	1
Read Noise Fe-55 (e)	7.2	7.5
Fe55 HCTE	0.999999	0.999999
Fe55 VCTE	1.000000	1.000000
Fe55 Gain (e/DN)	1.2	.95
Full Well (e)	64,000	-
Dark Current (e/pix/hr)	< 20	

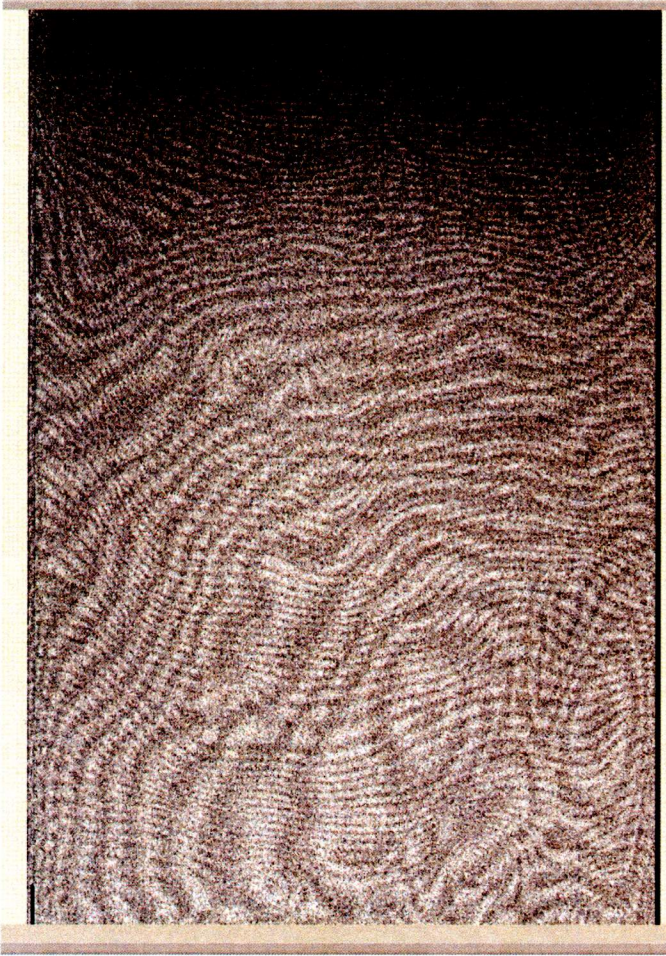
Notes
Very nice device with no significant defects. No glowing amps.

SN5644
STA1024A

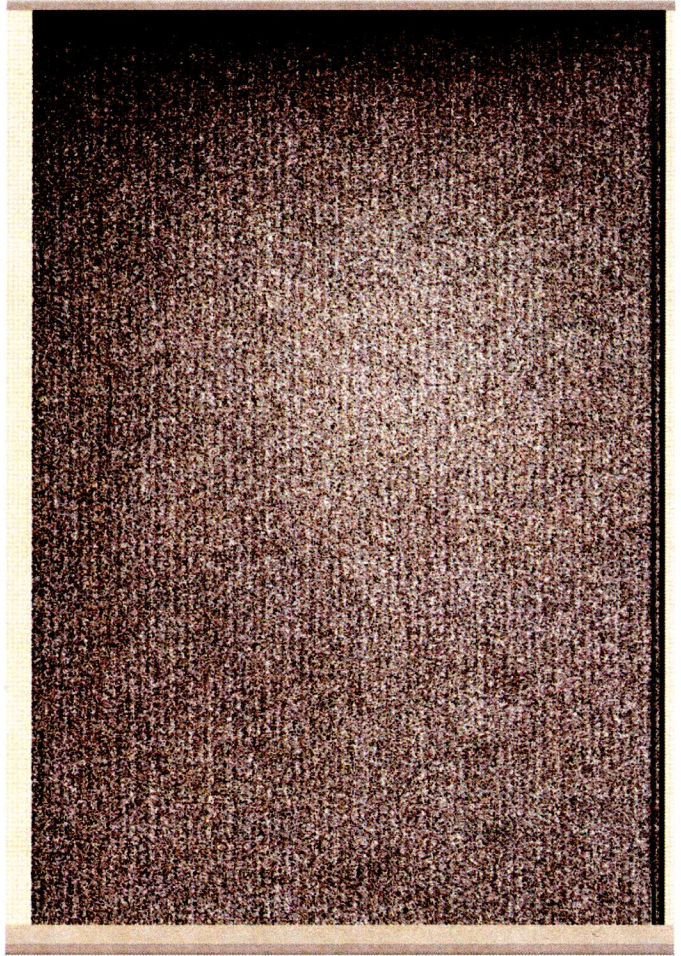


UA Imaging Technology Laboratory
M. Lesser

Wavelength (nm)	QE
300.0	48.5%
350.0	74.7%
400.0	77.7%
450.0	81.8%
500.0	90.5%
550.0	98.7%
600.0	96.2%
650.0	90.2%
700.0	86.2%
750.0	79.1%
800.0	68.5%
855.0	52.3%
900.0	35.7%
1050.0	0.9%
1100.0	0.2%



900 nm flat.



600 nm flat.

