

**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.

