

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54565 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 7 2012

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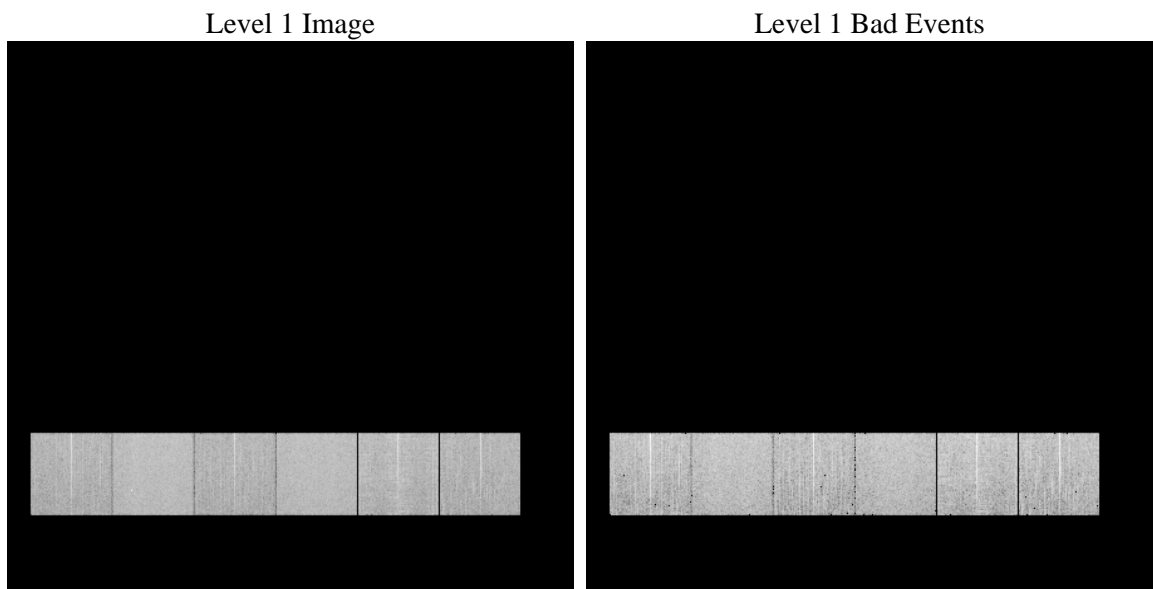
1 Front

seq_num	 	Sequence number
obs_id	54565	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	246.19604835903	Nominal RA [deg]
dec_nom	-28.370681739912	Nominal Dec [deg]
roll_nom	252.58035062875	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8114.5364049077	Sum of GTIs [s]
livetime	8011.7852589615	Livetime [s]
ontime4	8114.4132848978	Sum of GTIs [s]
ontime5	8114.4953649044	Sum of GTIs [s]
ontime6	8114.4543249011	Sum of GTIs [s]
ontime7	8114.5364049077	Sum of GTIs [s]
ontime8	8114.3722448945	Sum of GTIs [s]
ontime9	8114.577444911	Sum of GTIs [s]
l2events	273085	Number of level 2 events

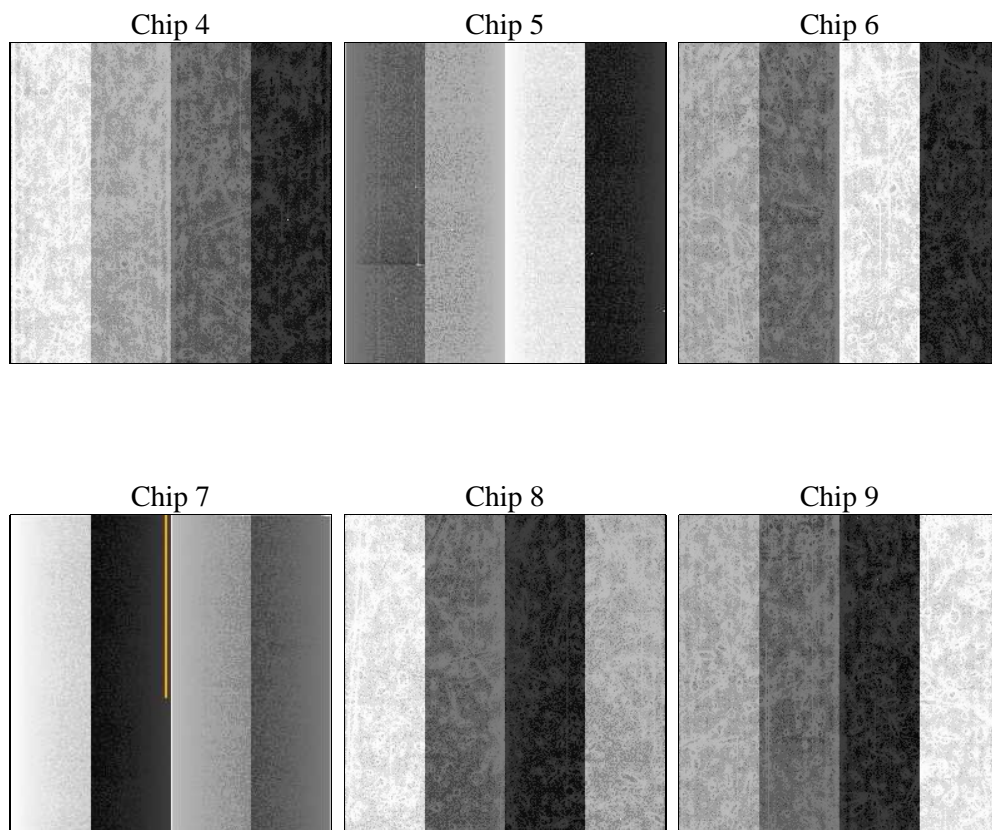
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8114.5364049077	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	8114.4132848978	Sum of GTIs [s]
date	2012-06-07T22:16:19	Date and time of file creation	ontime5	8114.4953649044	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8114.4543249011	Sum of GTIs [s]
			ontime7	8114.5364049077	Sum of GTIs [s]
			ontime8	8114.3722448945	Sum of GTIs [s]
			ontime9	8114.577444911	Sum of GTIs [s]
			l1events	623132	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	90914	123536	90818	118551	108367	90946	grade 0 events	21595	7103	21093	10653	23800	20641
rejected events	52805	56943	50714	54326	58538	52015		23%	5%	23%	8%	21%	22%
rejected %	58%	46%	55%	45%	54%	57%	grade 1 events	163	156	124	98	122	110
								0%	0%	0%	0%	0%	0%
							grade 2 events	6355	24637	7528	14163	9765	7143
								6%	19%	8%	11%	9%	7%
							grade 3 events	2876	2856	2706	5739	3873	2801
								3%	2%	2%	4%	3%	3%
							grade 4 events	2723	2560	2701	5721	3767	2732
								2%	2%	2%	4%	3%	3%
							grade 5 events	3182	6864	3316	8197	4387	3702
								3%	5%	3%	6%	4%	4%
							grade 6 events	5338	30802	6937	29303	9570	6425
								5%	24%	7%	24%	8%	7%
							grade 7 events	48682	48558	46413	44677	53083	47392
								53%	39%	51%	37%	48%	52%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	246.1960483590273	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-28.37068173991224	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	252.5803506287518	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	455365766.913229	455365766.913229			
Observation start date	2012-06-06T10:29:27	2012-06-06T10:29:26			
[s] Observation end time (MET)	455376773.201283	455376773.201283			
Observation end date	2012-06-06T13:32:53	2012-06-06T13:32:53			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1145364049077

A.2 Comments