

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57528 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 23 2012

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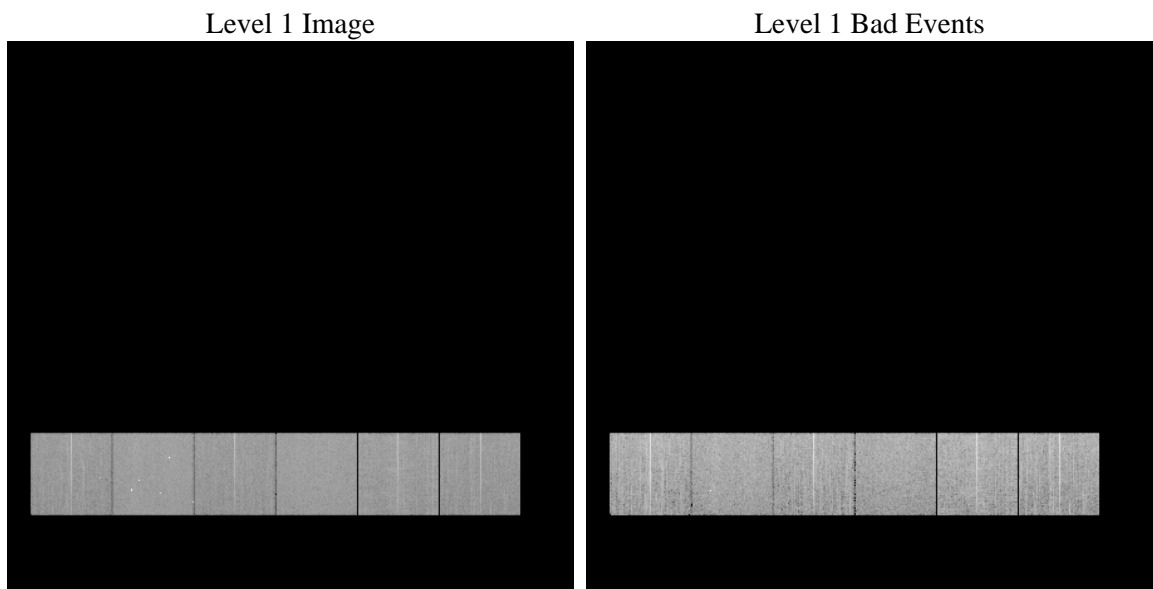
# 1 Front

seq_num	&#160	Sequence number
obs_id	57528	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	0	&#160
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	55.007366914834	Nominal RA [deg]
dec_nom	-3.9723902806692	Nominal Dec [deg]
roll_nom	36.000048909445	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7041.8322998881	Sum of GTIs [s]
livetime	6952.6643792246	Livetime [s]
ontime4	7043.1999738216	Sum of GTIs [s]
ontime5	7041.8733398914	Sum of GTIs [s]
ontime6	7041.9143798947	Sum of GTIs [s]
ontime7	7041.8322998881	Sum of GTIs [s]
ontime8	7043.1999738216	Sum of GTIs [s]
ontime9	7041.7912598848	Sum of GTIs [s]
l2events	497771	Number of level 2 events

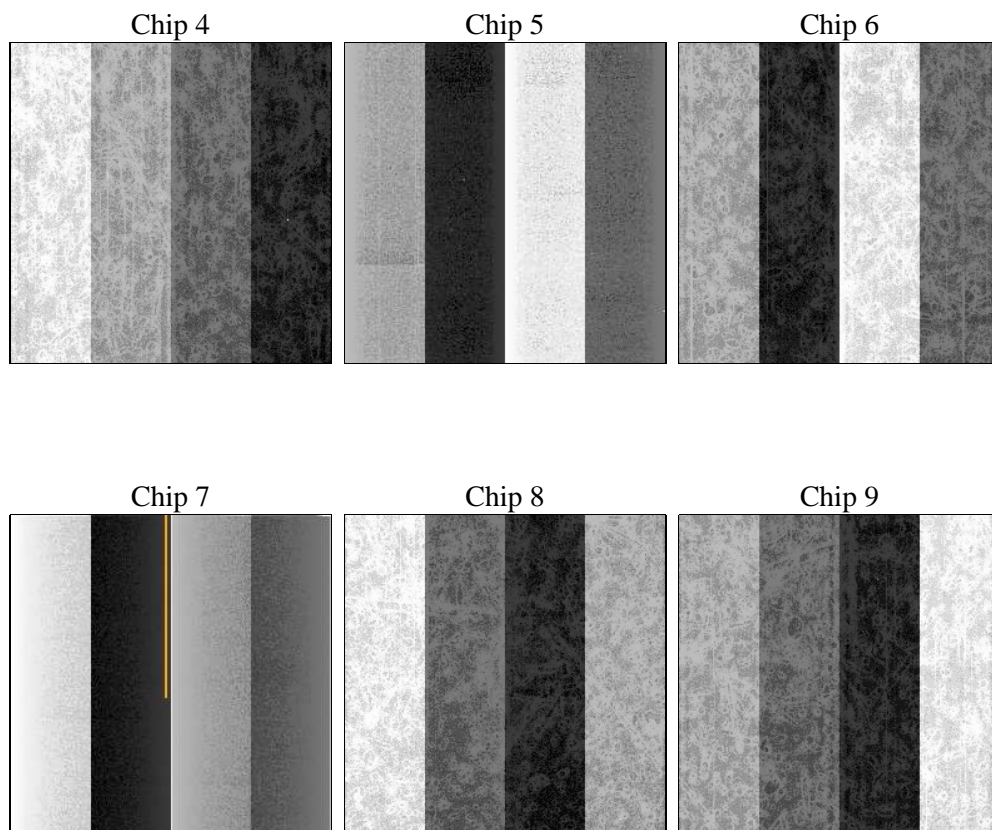
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	7041.8322998881	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7043.1999738216	Sum of GTIs [s]
date	2012-05-23T13:31:43	Date and time of file creation	ontime5	7041.8733398914	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7041.9143798947	Sum of GTIs [s]
			ontime7	7041.8322998881	Sum of GTIs [s]
			ontime8	7043.1999738216	Sum of GTIs [s]
			ontime9	7041.7912598848	Sum of GTIs [s]
			l1events	939010	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	145821	171160	144775	167286	164618	145350	grade 0 events	42099	18272	42217	21200	45763	41661
rejected events	71397	62579	64841	58640	72829	67512		28%	10%	29%	12%	27%	28%
rejected %	48%	36%	44%	35%	44%	46%	grade 1 events	492	209	268	136	292	321
								0%	0%	0%	0%	0%	0%
							grade 2 events	12061	38548	14303	23529	16943	13554
								8%	22%	9%	14%	10%	9%
							grade 3 events	5074	5242	5136	10069	6746	5238
								3%	3%	3%	6%	4%	3%
							grade 4 events	5187	5017	5152	10116	6663	5149
								3%	2%	3%	6%	4%	3%
							grade 5 events	3677	8693	3781	9532	4842	4235
								2%	5%	2%	5%	2%	2%
							grade 6 events	10034	41502	13126	43732	15741	12236
								6%	24%	9%	26%	9%	8%
							grade 7 events	67197	53677	60792	48972	67628	62956
								46%	31%	41%	29%	41%	43%

## 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	NONE	UPDATED
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	55.0073669148338	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-3.972390280669163	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	36.00004890944454	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	342232802.229549	342232801.20454			
Observation start date	2008-11-05T00:40:02	2008-11-05T00:40:01			
[s] Observation end time (MET)	342247826.680291	342247825.65528			
Observation end date	2008-11-05T04:50:27	2008-11-05T04:50:25			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.0418322998881

### **A.2 Comments**