

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56648 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 17 2012

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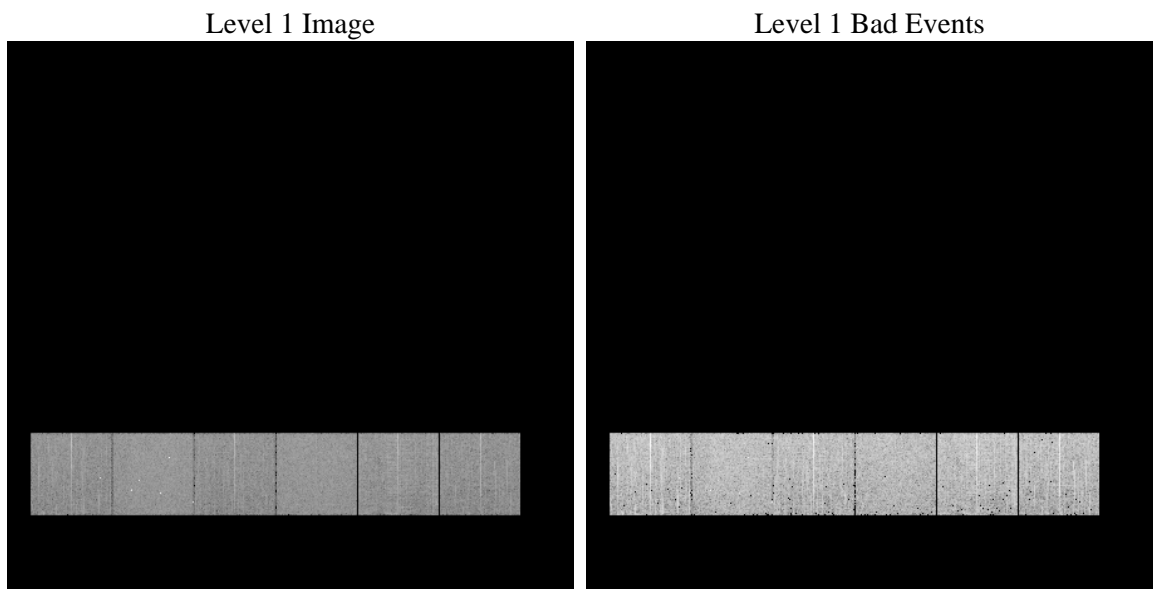
# 1 Front

seq_num	&#160	Sequence number
obs_id	56648	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	50.480008482556	Nominal RA [deg]
dec_nom	42.974961978519	Nominal Dec [deg]
roll_nom	207.10015059979	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3070.9740833044	Sum of GTIs [s]
livetime	3032.087560343	Livetime [s]
ontime4	3070.8509632945	Sum of GTIs [s]
ontime5	3070.9330433011	Sum of GTIs [s]
ontime6	3070.8920032978	Sum of GTIs [s]
ontime7	3070.9740833044	Sum of GTIs [s]
ontime8	3070.8099232912	Sum of GTIs [s]
ontime9	3071.0151233077	Sum of GTIs [s]
l2events	204432	Number of level 2 events

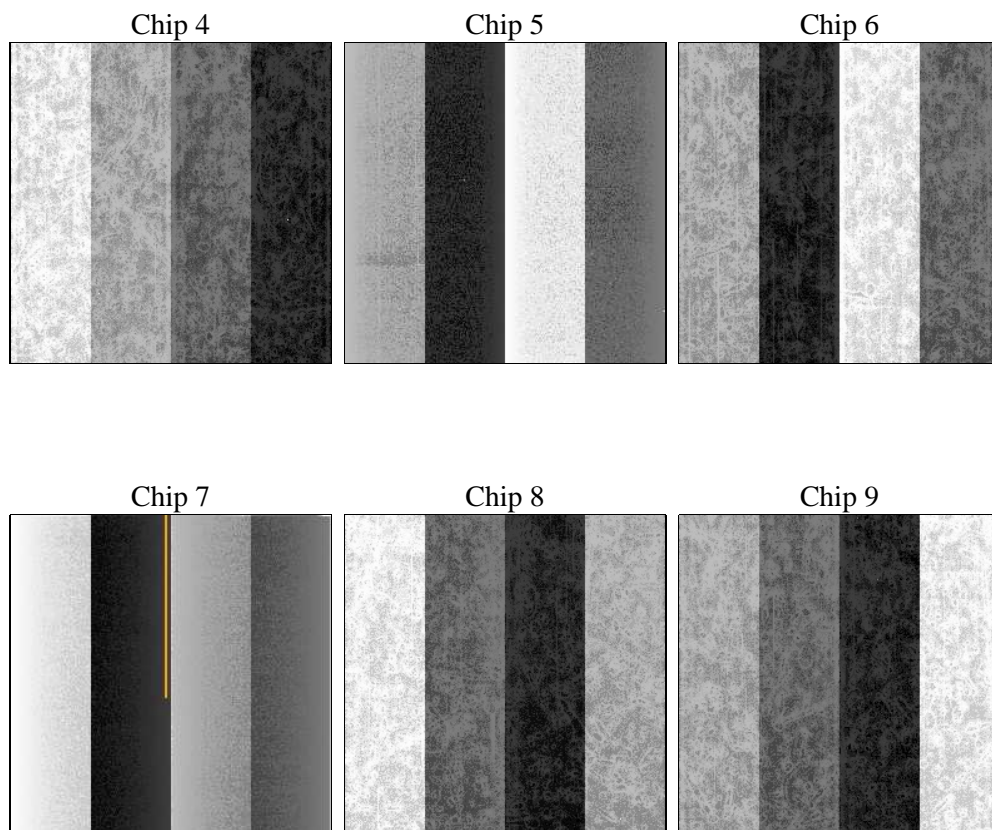
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3070.9740833044	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime4	3070.8509632945	Sum of GTIs [s]
date	2012-06-17T06:29:05	Date and time of file creation	ontime5	3070.9330433011	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3070.8920032978	Sum of GTIs [s]
			ontime7	3070.9740833044	Sum of GTIs [s]
			ontime8	3070.8099232912	Sum of GTIs [s]
			ontime9	3071.0151233077	Sum of GTIs [s]
			l1events	434237	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	68308	81066	65869	77199	75781	66014	grade 0 events	18478	8653	17136	9326	19350	17659
rejected events	37606	34083	34285	31722	38035	34621		27%	10%	26%	12%	25%	26%
rejected %	55%	42%	52%	41%	50%	52%	grade 1 events	193	156	115	63	142	156
								0%	0%	0%	0%	0%	0%
							grade 2 events	5366	17469	6077	10592	7639	5843
								7%	21%	9%	13%	10%	8%
							grade 3 events	2233	2199	2172	4367	2936	2231
								3%	2%	3%	5%	3%	3%
							grade 4 events	2241	2114	2139	4342	2862	2169
								3%	2%	3%	5%	3%	3%
							grade 5 events	1822	4074	1910	4801	2435	1996
								2%	5%	2%	6%	3%	3%
							grade 6 events	4599	19641	6257	19936	7507	5734
								6%	24%	9%	25%	9%	8%
							grade 7 events	33376	26760	30063	23772	32910	30226
								48%	33%	45%	30%	43%	45%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	50.4800084825556
[deg] Pointing Dec	0	42.97496197851881
[deg] Pointing Roll	0.0	207.1001505997947
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	375597455.892991	375597455.892991
Observation start date	2009-11-26T04:37:36	2009-11-26T04:37:35
[s] Observation end time (MET)	375602002.27225	375602002.27225
Observation end date	2009-11-26T05:53:22	2009-11-26T05:53:22
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## 2.3 Star Slots

## 2.4 FID Slots

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0709740833044

### **A.2 Comments**