

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54126 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Dec 3 2012

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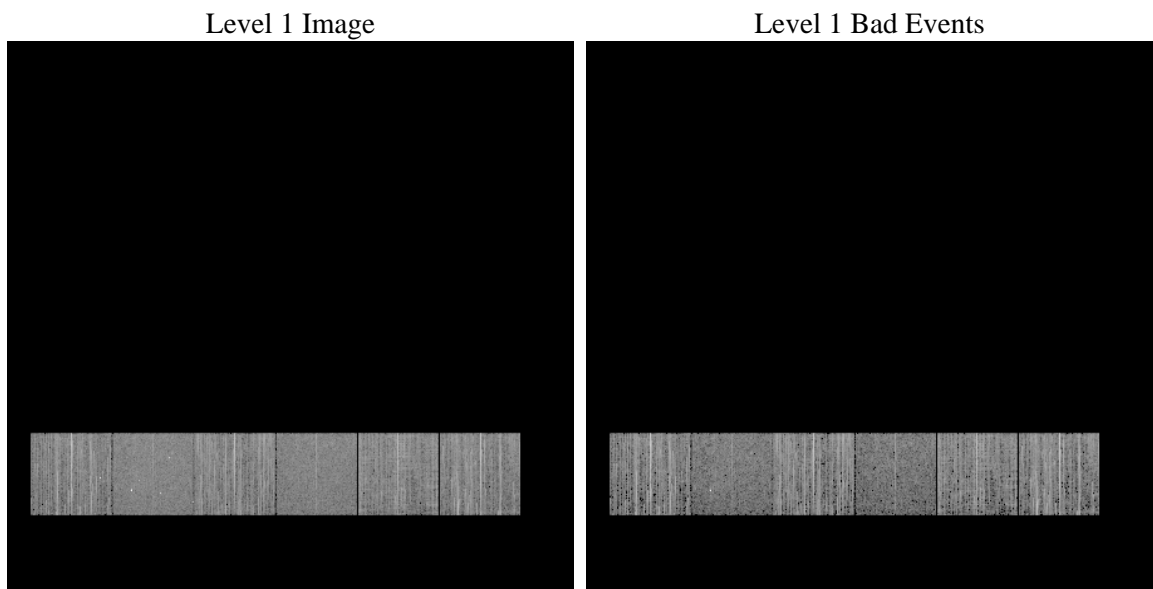
# 1 Front

seq_num	&#160	Sequence number
obs_id	54126	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	65.026444417566	Nominal RA [deg]
dec_nom	-7.9879555466408	Nominal Dec [deg]
roll_nom	351.8475899935	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3708.7999862432	Sum of GTIs [s]
livetime	3661.8369276462	Livetime [s]
ontime4	3708.7999862432	Sum of GTIs [s]
ontime5	3708.7999862432	Sum of GTIs [s]
ontime6	3708.7999862432	Sum of GTIs [s]
ontime7	3708.7999862432	Sum of GTIs [s]
ontime8	3708.7999862432	Sum of GTIs [s]
ontime9	3708.7999862432	Sum of GTIs [s]
l2events	115884	Number of level 2 events

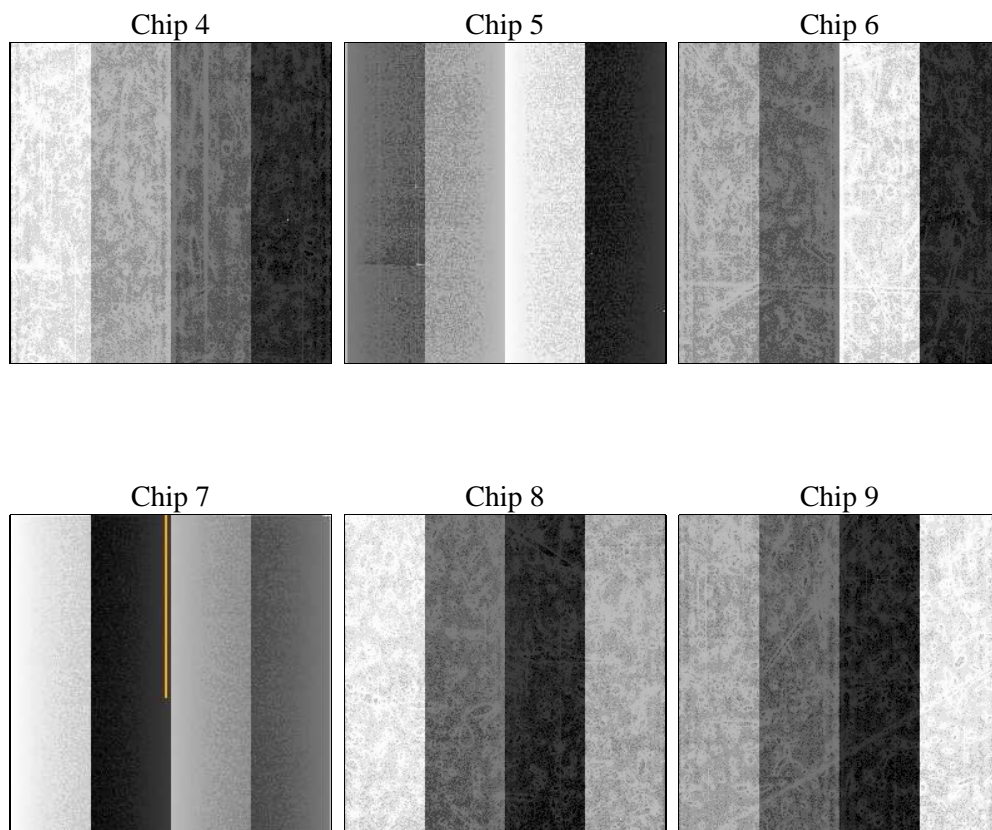
## 2 OBI

### 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	3708.7999862432	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime4	3708.7999862432	Sum of GTIs [s]
date	2012-12-03T16:00:51	Date and time of file creation	ontime5	3708.7999862432	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3708.7999862432	Sum of GTIs [s]
			ontime7	3708.7999862432	Sum of GTIs [s]
			ontime8	3708.7999862432	Sum of GTIs [s]
			ontime9	3708.7999862432	Sum of GTIs [s]
			l1events	415948	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	70794	64595	74862	58106	72663	74928	grade 0 events	9281	3920	8486	4408	9446	8368
rejected events	54096	34370	58278	30080	52283	58748		13%	6%	11%	7%	12%	11%
rejected %	76%	53%	77%	51%	71%	78%	grade 1 events	77	57	45	53	46	55
								0%	0%	0%	0%	0%	0%
							grade 2 events	3084	11067	3275	6837	4196	3062
								4%	17%	4%	11%	5%	4%
							grade 3 events	1146	1193	1133	2378	1469	1100
								1%	1%	1%	4%	2%	1%
							grade 4 events	1105	1166	1053	2359	1416	1130
								1%	1%	1%	4%	1%	1%
							grade 5 events	1382	3137	1473	3515	1861	1616
								1%	4%	1%	6%	2%	2%
							grade 6 events	2177	13057	2723	12216	3967	2609
								3%	20%	3%	21%	5%	3%
							grade 7 events	52542	30998	56674	26340	50262	56988
								74%	47%	75%	45%	69%	76%

## 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	65.02644441756618	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-7.987955546640769	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	351.8475899935025	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	470879081.243788	470879080.21879			
Observation start date	2012-12-02T23:44:41	2012-12-02T23:44:40			
[s] Observation end time (MET)	470884329.244071	470884328.21907			
Observation end date	2012-12-03T01:12:09	2012-12-03T01:12:08			
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)	2012.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.7087999862432

### **A.2 Comments**