

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56084 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jul 1 2012

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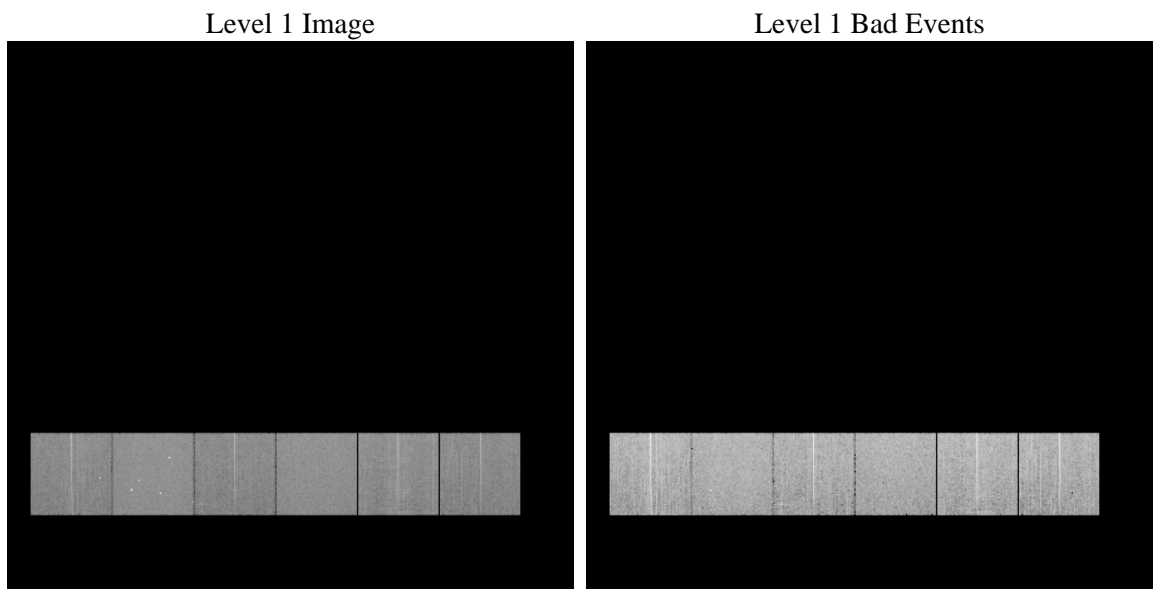
# 1 Front

seq_num	&#160	Sequence number
obs_id	56084	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	295.02639812585	Nominal RA [deg]
dec_nom	-27.016661873253	Nominal Dec [deg]
roll_nom	291.61720099198	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8278.3999692202	Sum of GTIs [s]
livetime	8173.5738841559	Livetime [s]
ontime4	8278.3999692202	Sum of GTIs [s]
ontime5	8278.3999692202	Sum of GTIs [s]
ontime6	8278.3999692202	Sum of GTIs [s]
ontime7	8278.3999692202	Sum of GTIs [s]
ontime8	8278.3999692202	Sum of GTIs [s]
ontime9	8278.3999692202	Sum of GTIs [s]
l2events	410758	Number of level 2 events

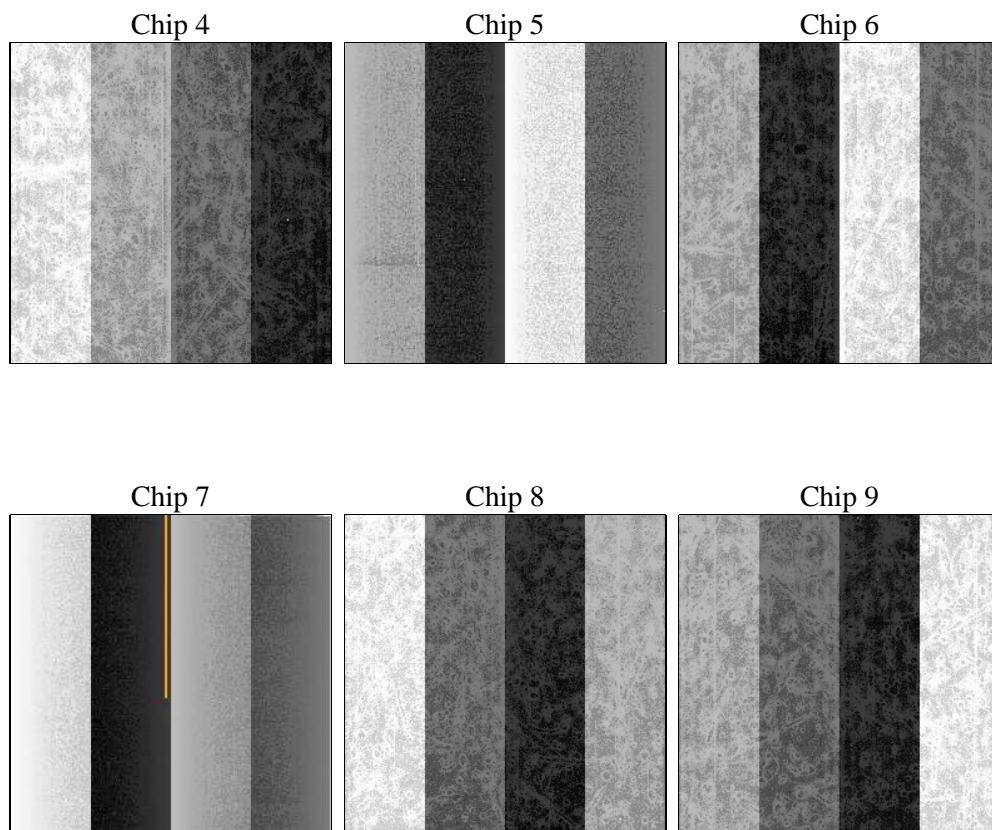
## 2 OBI

### 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	8278.3999692202	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime4	8278.3999692202	Sum of GTIs [s]
date	2012-07-01T16:37:39	Date and time of file creation	ontime5	8278.3999692202	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8278.3999692202	Sum of GTIs [s]
			ontime7	8278.3999692202	Sum of GTIs [s]
			ontime8	8278.3999692202	Sum of GTIs [s]
			ontime9	8278.3999692202	Sum of GTIs [s]
			l1events	878336	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	135413	171287	128505	159706	152733	130692	grade 0 events	34370	17257	32510	16712	36764	31793
rejected events	75172	69311	66162	65363	76622	70272		25%	10%	25%	10%	24%	24%
rejected %	55%	40%	51%	40%	50%	53%	grade 1 events	337	517	195	123	229	210
								0%	0%	0%	0%	0%	0%
							grade 2 events	9632	35353	11380	20360	14539	10782
								7%	20%	8%	12%	9%	8%
							grade 3 events	4099	4239	4088	8670	5714	4145
								3%	2%	3%	5%	3%	3%
							grade 4 events	4247	4122	4060	8638	5680	4030
								3%	2%	3%	5%	3%	3%
							grade 5 events	3975	8982	4194	10466	5418	4613
								2%	5%	3%	6%	3%	3%
							grade 6 events	7916	41043	10327	39995	13445	9696
								5%	23%	8%	25%	8%	7%
							grade 7 events	70837	59774	61751	54742	70944	65423
								52%	34%	48%	34%	46%	50%

## 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	295.0263981258508	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-27.01666187325343	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	291.6172009919819	[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)	397758182.518843	397758181.49383			
Observation start date	2010-08-09T16:23:03	2010-08-09T16:23:01			
[s] Observation end time (MET)	397777610.369838	397777609.34483			
Observation end date	2010-08-09T21:46:50	2010-08-09T21:46:49			
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)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999692202

### **A.2 Comments**