

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56240 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 26 2012

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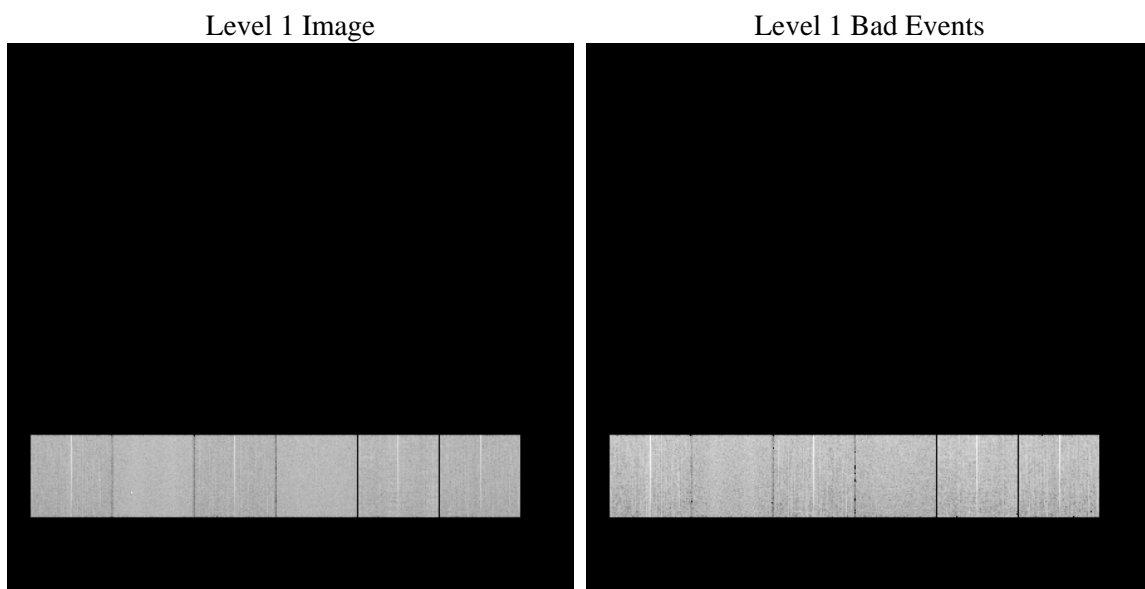
# 1 Front

seq_num	&#160	Sequence number
obs_id	56240	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	225.04348673556	Nominal RA [deg]
dec_nom	-41.191604248231	Nominal Dec [deg]
roll_nom	325.39362694657	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999692321	Sum of GTIs [s]
livetime	8170.4144044945	Livetime [s]
ontime4	8275.1999692321	Sum of GTIs [s]
ontime5	8275.1999692321	Sum of GTIs [s]
ontime6	8275.1999692321	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
ontime8	8275.1999692321	Sum of GTIs [s]
ontime9	8275.1999692321	Sum of GTIs [s]
l2events	419854	Number of level 2 events

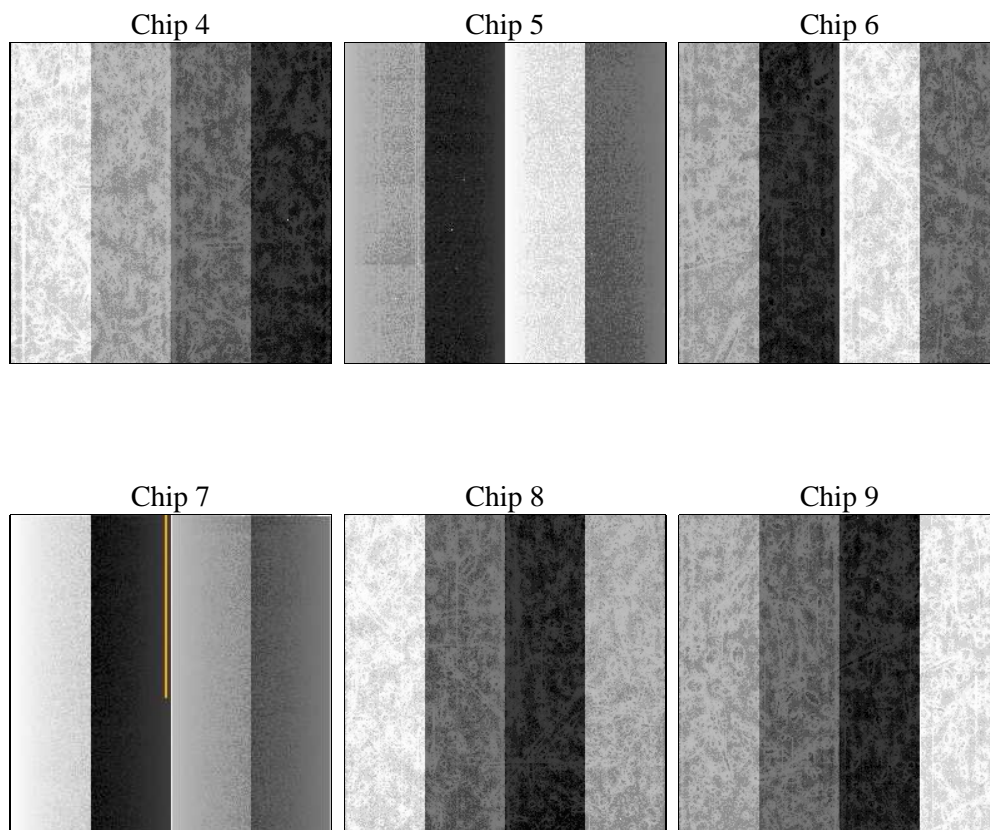
## 2 OBI

### 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	8275.1999692321	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime4	8275.1999692321	Sum of GTIs [s]
date	2012-06-26T04:27:05	Date and time of file creation	ontime5	8275.1999692321	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8275.1999692321	Sum of GTIs [s]
			ontime7	8275.1999692321	Sum of GTIs [s]
			ontime8	8275.1999692321	Sum of GTIs [s]
			ontime9	8275.1999692321	Sum of GTIs [s]
			l1events	911594	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	140497	170525	139617	164735	157029	139191	grade 0 events	34662	9655	30457	15842	36546	32755
rejected events	80556	72815	76522	68367	81531	77044		24%	5%	21%	9%	23%	23%
rejected %	57%	42%	54%	41%	51%	55%	grade 1 events	337	228	174	124	210	225
								0%	0%	0%	0%	0%	0%
							grade 2 events	8909	36593	14008	21622	14576	11141
								6%	21%	10%	13%	9%	8%
							grade 3 events	4409	3517	3736	8196	5356	4091
								3%	2%	2%	4%	3%	2%
							grade 4 events	4225	3486	3699	7942	5379	4045
								3%	2%	2%	4%	3%	2%
							grade 5 events	3913	8208	3798	9803	5228	4425
								2%	4%	2%	5%	3%	3%
							grade 6 events	7763	44459	11223	42766	13665	10115
								5%	26%	8%	25%	8%	7%
							grade 7 events	76279	64379	72522	58440	76069	72394
								54%	37%	51%	35%	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	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	225.0434867355603	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-41.19160424823124	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	325.3936269465698	[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)	390939627.970724	390939626.94572			
Observation start date	2010-05-22T18:20:28	2010-05-22T18:20:26			
[s] Observation end time (MET)	390948764.821189	390948763.79618			
Observation end date	2010-05-22T20:52:45	2010-05-22T20:52:43			
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)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999692321

### **A.2 Comments**