

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56723 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 15 2012

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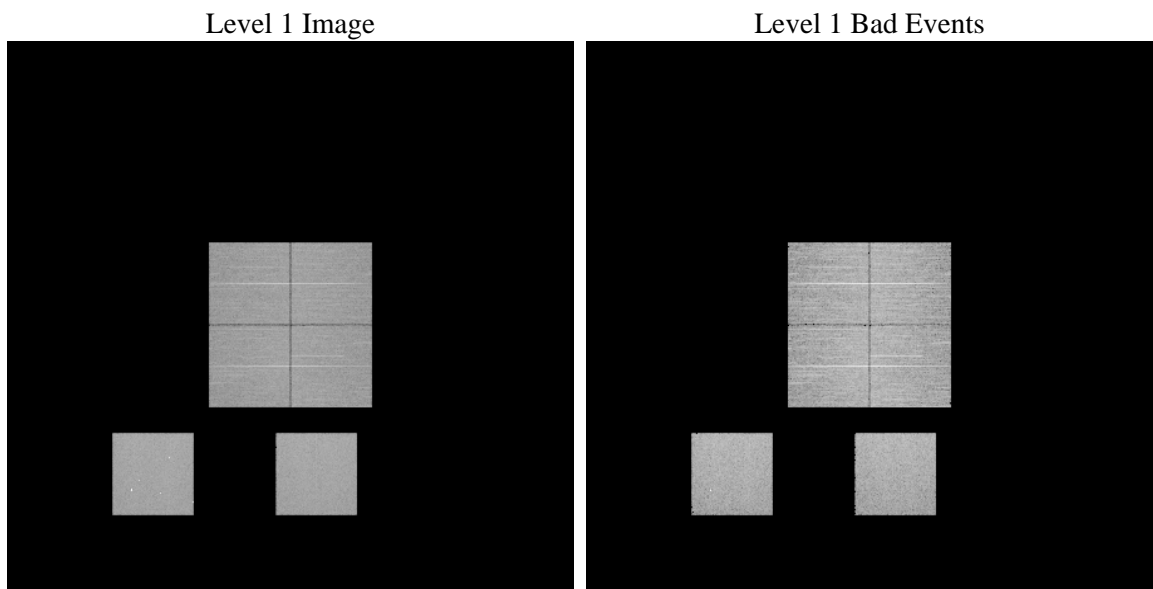
# 1 Front

seq_num	&#160	Sequence number
obs_id	56723	Observation id
title	ACIS-012357 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	350.29764572602	Nominal RA [deg]
dec_nom	14.432830602235	Nominal Dec [deg]
roll_nom	269.59145639795	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8089.5999699235	Sum of GTIs [s]
livetime	7987.164584132	Livetime [s]
ontime0	8089.5999699235	Sum of GTIs [s]
ontime1	8089.5999699235	Sum of GTIs [s]
ontime2	8089.5999699235	Sum of GTIs [s]
ontime3	8089.5999699235	Sum of GTIs [s]
ontime5	8089.5999699235	Sum of GTIs [s]
ontime7	8089.5999699235	Sum of GTIs [s]
l2events	505001	Number of level 2 events

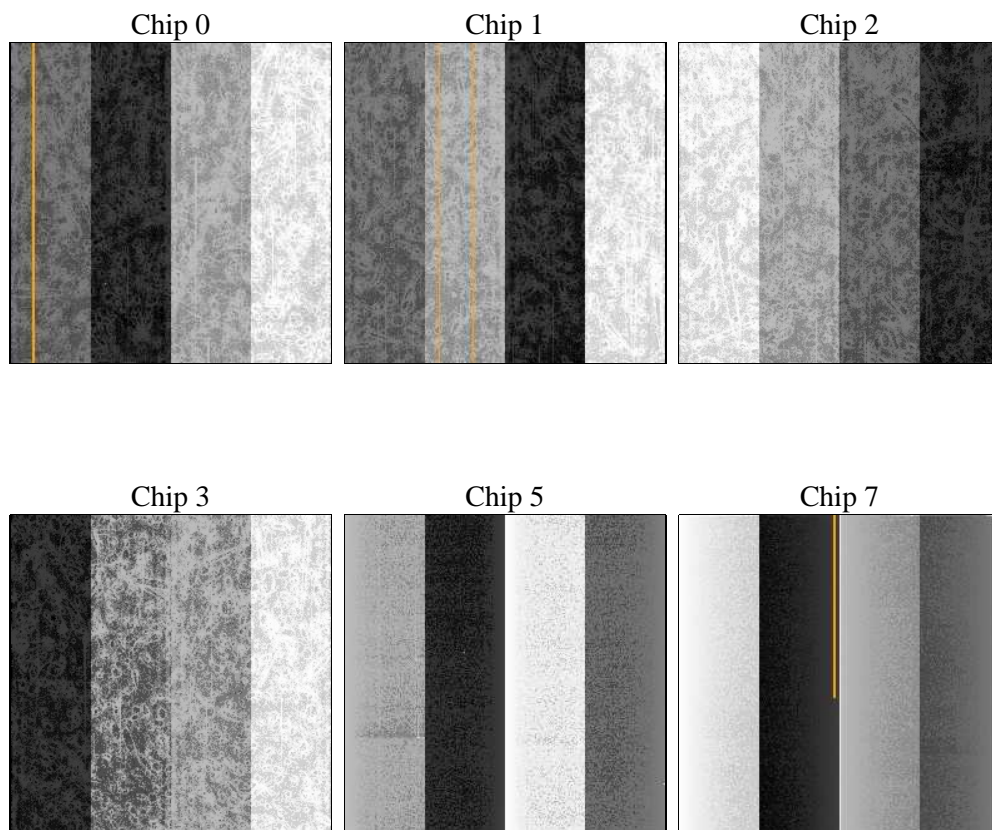
## 2 OBI

### 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	8089.5999699235	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	8089.5999699235	Sum of GTIs [s]
date	2012-06-15T09:41:54	Date and time of file creation	ontime1	8089.5999699235	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8089.5999699235	Sum of GTIs [s]
			ontime3	8089.5999699235	Sum of GTIs [s]
			ontime5	8089.5999699235	Sum of GTIs [s]
			ontime7	8089.5999699235	Sum of GTIs [s]
			l1events	999908	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	150462	154974	155193	157251	193327	188701	grade 0 events	41046	40492	42033	41763	18513	21569
rejected events	74905	78677	79763	81737	77233	74982		27%	26%	27%	26%	9%	11%
rejected %	49%	50%	51%	51%	39%	39%	grade 1 events	333	259	352	339	238	136
								0%	0%	0%	0%	0%	0%
							grade 2 events	14048	14842	13216	13555	42071	25402
								9%	9%	8%	8%	21%	13%
							grade 3 events	5153	5248	5226	5322	5447	10648
								3%	3%	3%	3%	2%	5%
							grade 4 events	5149	5108	5351	5284	5279	10594
								3%	3%	3%	3%	2%	5%
							grade 5 events	4169	4326	3939	4644	10149	11906
								2%	2%	2%	2%	5%	6%
							grade 6 events	12182	12624	11627	11602	47606	48339
								8%	8%	7%	7%	24%	25%
							grade 7 events	68382	72075	73449	74742	64024	60107
								45%	46%	47%	47%	33%	31%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	350.2976457260171
[deg] Pointing Dec	0	14.43283060223526
[deg] Pointing Roll	0.0	269.5914563979495
[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)	373079340.316048	373079340.316048
Observation start date	2009-10-28T01:09:00	2009-10-28T01:09:00
[s] Observation end time (MET)	373088889.284339	373088889.284339
Observation end date	2009-10-28T03:48:09	2009-10-28T03:48:09
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)	2012.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0895999699235

### **A.2 Comments**