

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56935 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 10 2012

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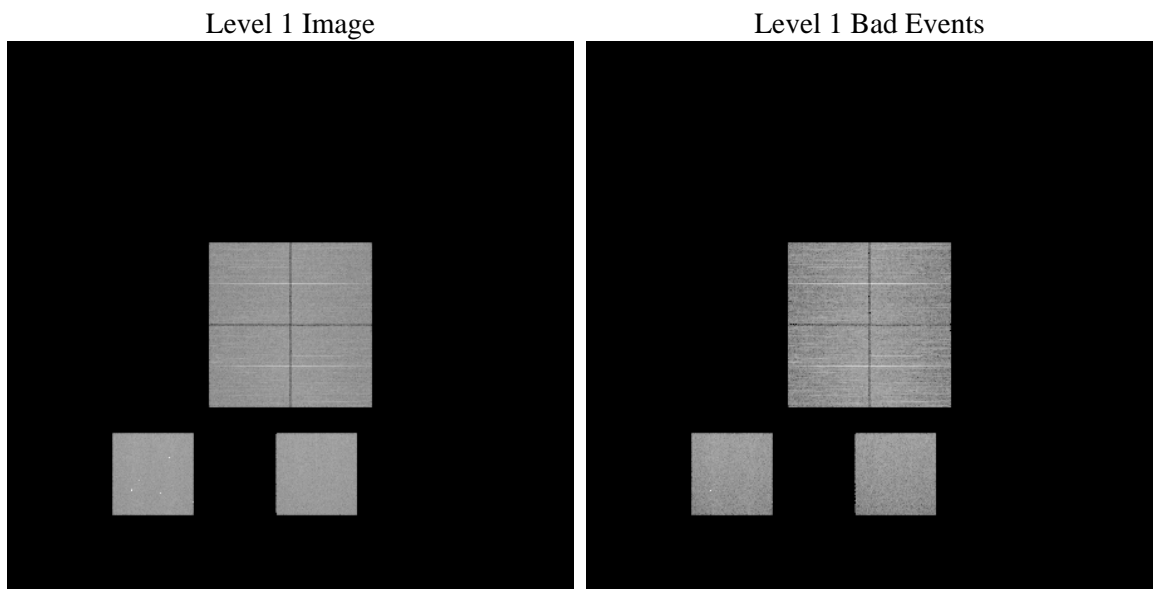
# 1 Front

seq_num	&#160	Sequence number
obs_id	56935	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	300.03335412011	Nominal RA [deg]
dec_nom	-33.492525915638	Nominal Dec [deg]
roll_nom	342.17216063918	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8447.9999685884	Sum of GTIs [s]
livetime	8341.0263062112	Livetime [s]
ontime0	8447.9999685884	Sum of GTIs [s]
ontime1	8447.9999685884	Sum of GTIs [s]
ontime2	8447.9999685884	Sum of GTIs [s]
ontime3	8447.9999685884	Sum of GTIs [s]
ontime5	8447.9999685884	Sum of GTIs [s]
ontime7	8447.9999685884	Sum of GTIs [s]
l2events	520856	Number of level 2 events

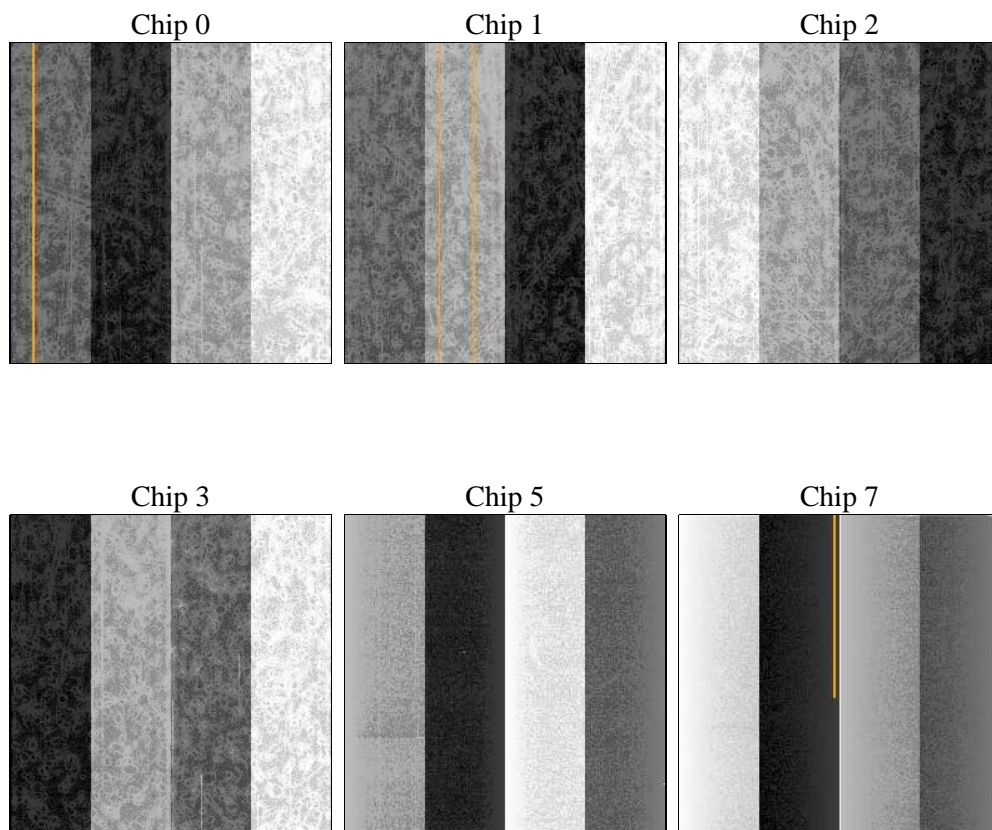
## 2 OBI

### 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	8447.9999685884	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	8447.9999685884	Sum of GTIs [s]
date	2012-06-11T00:47:49	Date and time of file creation	ontime1	8447.9999685884	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8447.9999685884	Sum of GTIs [s]
			ontime3	8447.9999685884	Sum of GTIs [s]
			ontime5	8447.9999685884	Sum of GTIs [s]
			ontime7	8447.9999685884	Sum of GTIs [s]
			l1events	1006284	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	150227	152039	156623	160023	196170	191202	grade 0 events	41134	40970	42122	42564	18132	21355
rejected events	73008	73488	79012	81518	76448	73584		27%	26%	26%	26%	9%	11%
rejected %	48%	48%	50%	50%	38%	38%	grade 1 events	304	240	336	334	252	171
								0%	0%	0%	0%	0%	0%
							grade 2 events	13903	14860	13399	13855	42416	25458
								9%	9%	8%	8%	21%	13%
							grade 3 events	5205	5290	5324	5325	5584	10769
								3%	3%	3%	3%	2%	5%
							grade 4 events	5221	5145	5260	5328	5428	10795
								3%	3%	3%	3%	2%	5%
							grade 5 events	4120	4398	3941	4713	10869	11772
								2%	2%	2%	2%	5%	6%
							grade 6 events	11782	12322	11529	11458	48206	49296
								7%	8%	7%	7%	24%	25%
							grade 7 events	68558	68814	74712	76446	65283	61586
								45%	45%	47%	47%	33%	32%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	300.0333541201131	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-33.49252591563808	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	342.1721606391791	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	364896805.905389	364896804.88041			
Observation start date	2009-07-25T08:13:26	2009-07-25T08:13:24			
[s] Observation end time (MET)	364907494.605924	364907493.58094			
Observation end date	2009-07-25T11:11:35	2009-07-25T11:11:33			
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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4479999685884

### A.2 Comments