

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 52440 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Sep 28 2014

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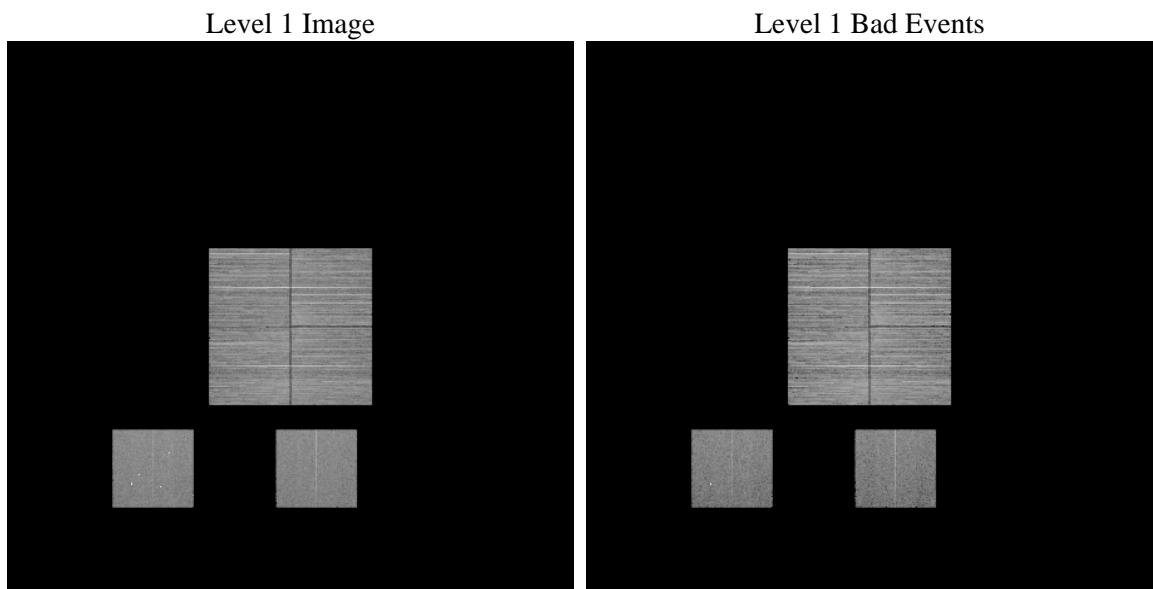
# 1 Front

seq_num	&#160	Sequence number
obs_id	52440	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	9.1174483433804	Nominal RA [deg]
dec_nom	-21.877279372416	Nominal Dec [deg]
roll_nom	12.617183582946	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8281.5999692082	Sum of GTIs [s]
livetime	8176.7333638173	Livetime [s]
ontime0	8281.5999692082	Sum of GTIs [s]
ontime1	8281.5999692082	Sum of GTIs [s]
ontime2	8281.5999692082	Sum of GTIs [s]
ontime3	8281.5999692082	Sum of GTIs [s]
ontime5	8281.5999692082	Sum of GTIs [s]
ontime7	8281.5999692082	Sum of GTIs [s]
l2events	199594	Number of level 2 events

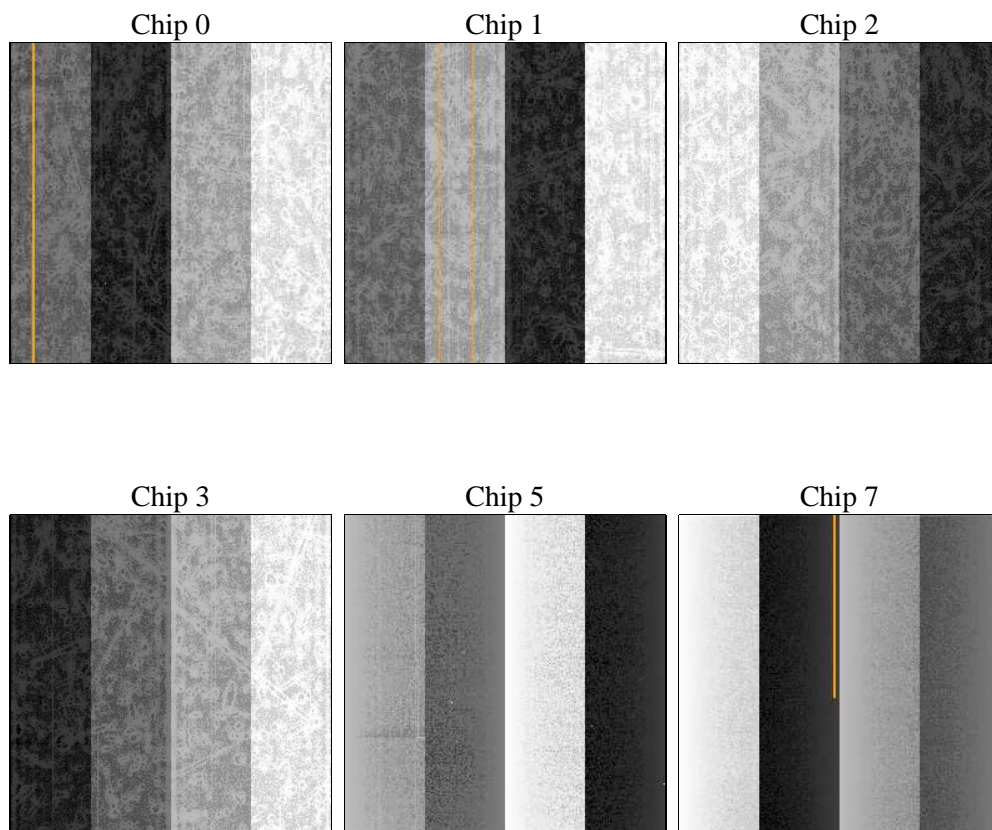
## 2 OBI

### 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	10.2.4	Processing system revision	ontime	8281.5999692082	Sum of GTIs [s]
caldsver	4.6.3	&#160	ontime0	8281.5999692082	Sum of GTIs [s]
date	2014-09-28T22:30:48	Date and time of file creation	ontime1	8281.5999692082	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8281.5999692082	Sum of GTIs [s]
			ontime3	8281.5999692082	Sum of GTIs [s]
			ontime5	8281.5999692082	Sum of GTIs [s]
			ontime7	8281.5999692082	Sum of GTIs [s]
			l1events	882396	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	154584	159266	159444	151302	134809	122991	grade 0 events	12279	12039	12759	13153	8771	6563
rejected events	128967	132854	134000	125147	75157	70992		7%	7%	8%	8%	6%	5%
rejected %	83%	83%	84%	82%	55%	57%	grade 1 events	80	63	69	65	142	80
								0%	0%	0%	0%	0%	0%
							grade 2 events	5493	6264	5035	5244	20719	12928
								3%	3%	3%	3%	15%	10%
							grade 3 events	1753	1752	1777	1839	1651	3931
								1%	1%	1%	1%	1%	3%
							grade 4 events	1732	1634	1807	1785	1676	3915
								1%	1%	1%	1%	1%	3%
							grade 5 events	2790	2833	2643	3249	5718	7371
								1%	1%	1%	2%	4%	5%
							grade 6 events	4367	4732	4076	4142	26855	24689
								2%	2%	2%	2%	19%	20%
							grade 7 events	126090	129949	131278	121825	69277	63514
								81%	81%	82%	80%	51%	51%

## 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	9.117448343380431	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-21.87727937241591	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	12.61718358294646	[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)	528227752.381432	528227751.35643			
Observation start date	2014-09-27T17:55:52	2014-09-27T17:55:51			
[s] Observation end time (MET)	528239361.532077	528239360.50708			
Observation end date	2014-09-27T21:09:22	2014-09-27T21:09:20			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2815999692082

### A.2 Comments