

# V&V Reference Report

## L2 ASCDS Version : 10.4.3

Observation 51335 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jan 17 2016

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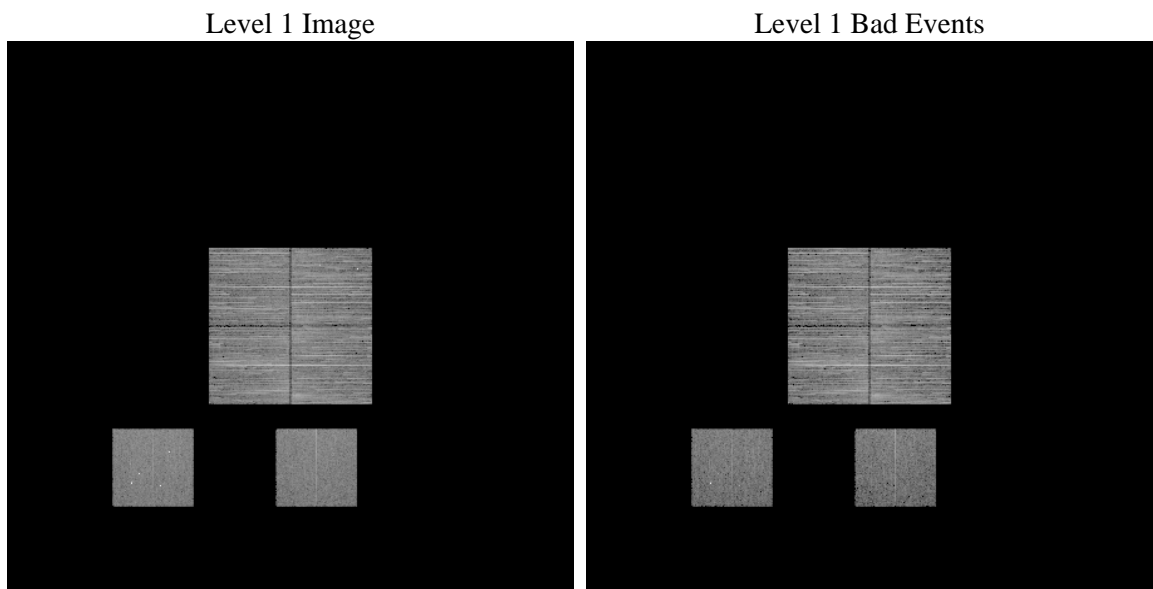
# 1 Front

seq_num	&#160	Sequence number
obs_id	51335	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	141.5918474204	Nominal RA [deg]
dec_nom	6.2577754549997	Nominal Dec [deg]
roll_nom	55.075729859117	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4544.0000677109	Sum of GTIs [s]
livetime	4486.4612027852	Livetime [s]
ontime0	4544.0000677109	Sum of GTIs [s]
ontime1	4544.0000677109	Sum of GTIs [s]
ontime2	4544.0000677109	Sum of GTIs [s]
ontime3	4544.0000677109	Sum of GTIs [s]
ontime5	4544.0000677109	Sum of GTIs [s]
ontime7	4544.0000677109	Sum of GTIs [s]
l2events	97656	Number of level 2 events

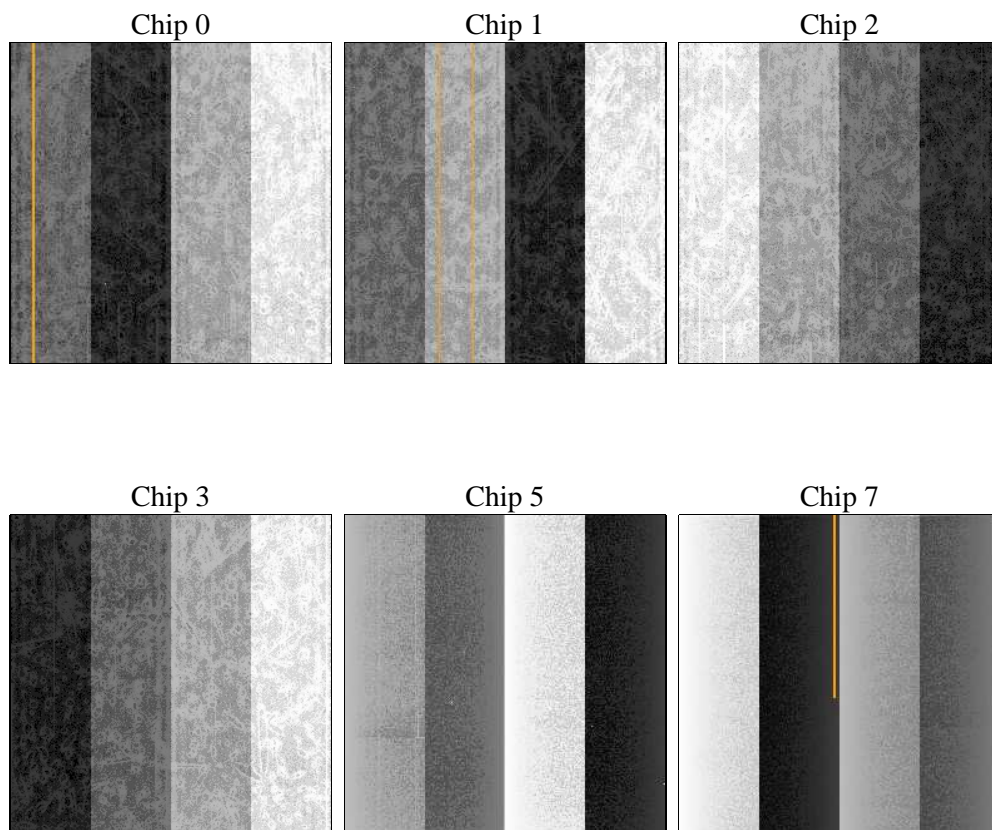
## 2 OBI

### 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	10.4.3	Processing system revision	ontime	4544.0000677109	Sum of GTIs [s]
caldbver	4.7.0	&#160	ontime0	4544.0000677109	Sum of GTIs [s]
date	2016-01-17T05:24:58	Date and time of file creation	ontime1	4544.0000677109	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4544.0000677109	Sum of GTIs [s]
			ontime3	4544.0000677109	Sum of GTIs [s]
			ontime5	4544.0000677109	Sum of GTIs [s]
			ontime7	4544.0000677109	Sum of GTIs [s]
			l1events	529453	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	89426	93858	95450	96419	82147	72153	grade 0 events	5445	6776	5771	5767	5881	3206
rejected events	78235	80920	84050	85049	48536	44553		6%	7%	6%	5%	7%	4%
rejected %	87%	86%	88%	88%	59%	61%	grade 1 events	48	38	37	34	89	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	2524	2875	2414	2388	11224	7193
								2%	3%	2%	2%	13%	9%
							grade 3 events	810	815	809	856	883	2123
								0%	0%	0%	0%	1%	2%
							grade 4 events	806	794	891	829	904	2132
								0%	0%	0%	0%	1%	2%
							grade 5 events	1824	1776	1734	1883	3504	4581
								2%	1%	1%	1%	4%	6%
							grade 6 events	2012	2158	1932	1939	15902	13907
								2%	2%	2%	2%	19%	19%
							grade 7 events	75957	78626	81862	82723	43760	38967
								84%	83%	85%	85%	53%	54%

## 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	OVERRIDE	OVERRIDE
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	141.5918474204024	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	6.257775454999711	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	55.07572985911664	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	569357592.2298059	569357592.2298059			
Observation start date	2016-01-16T18:53:12	2016-01-16T18:53:12			
[s] Observation end time (MET)	569363568.703455	569363568.703455			
Observation end date	2016-01-16T20:32:49	2016-01-16T20:32:48			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.01.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.5440000677109

### A.2 Comments