

# V&V Reference Report

## L2 ASCDS Version : 10.4.1

Observation 51757 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jul 11 2015

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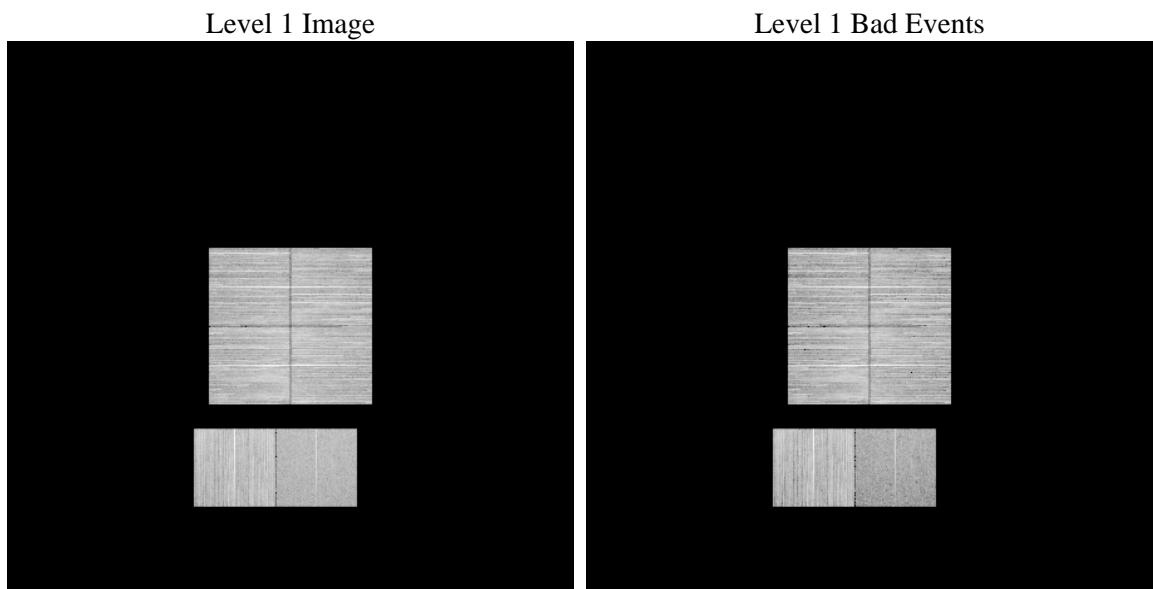
# 1 Front

seq_num	&#160	Sequence number
obs_id	51757	Observation id
title	ACIS-012367 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	315.98327739099	Nominal RA [deg]
dec_nom	-24.975420537217	Nominal Dec [deg]
roll_nom	88.950790492032	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8464.0001261234	Sum of GTIs [s]
livetime	8356.8238601174	Livetime [s]
ontime0	8464.0001261234	Sum of GTIs [s]
ontime1	8464.0001261234	Sum of GTIs [s]
ontime2	8464.0001261234	Sum of GTIs [s]
ontime3	8464.0001261234	Sum of GTIs [s]
ontime6	8464.0001261234	Sum of GTIs [s]
ontime7	8464.0001261234	Sum of GTIs [s]
l2events	152570	Number of level 2 events

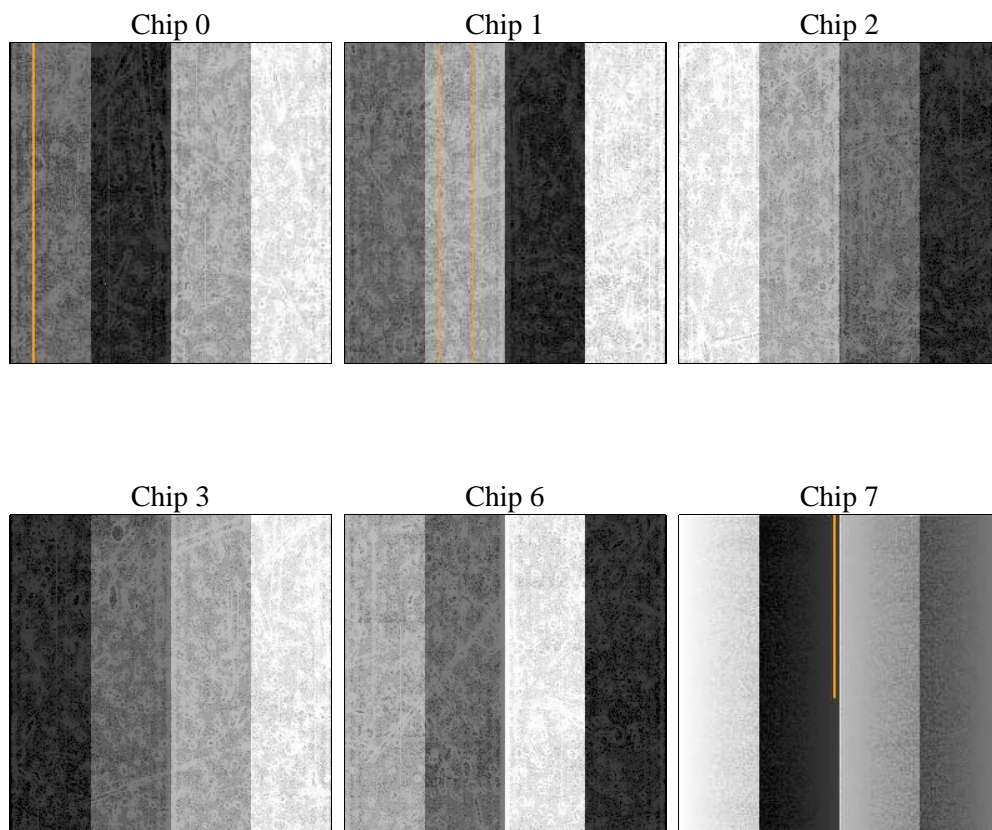
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	8464.0001261234	Sum of GTIs [s]
caldsver	4.6.8	&#160	ontime0	8464.0001261234	Sum of GTIs [s]
date	2015-07-11T14:02:35	Date and time of file creation	ontime1	8464.0001261234	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8464.0001261234	Sum of GTIs [s]
			ontime3	8464.0001261234	Sum of GTIs [s]
			ontime6	8464.0001261234	Sum of GTIs [s]
			ontime7	8464.0001261234	Sum of GTIs [s]
			l1events	901827	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	141355	153079	165954	153991	166034	121414	grade 0 events	10716	10367	11135	11161	10736	5971
rejected events	119320	130705	143482	131688	142861	71288		7%	6%	6%	7%	6%	4%
rejected %	84%	85%	86%	85%	86%	58%	grade 1 events	59	61	66	70	67	85
								0%	0%	0%	0%	0%	0%
							grade 2 events	4694	4959	4467	4395	4963	12393
								3%	3%	2%	2%	2%	10%
							grade 3 events	1519	1507	1651	1622	1584	3888
								1%	0%	0%	1%	0%	3%
							grade 4 events	1474	1614	1632	1591	1522	3997
								1%	1%	0%	1%	0%	3%
							grade 5 events	3009	3093	2879	3323	3206	8123
								2%	2%	1%	2%	1%	6%
							grade 6 events	3632	3927	3587	3534	4368	23877
								2%	2%	2%	2%	2%	19%
							grade 7 events	116252	127551	140537	128295	139588	63080
								82%	83%	84%	83%	84%	51%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	315.9832773909898
[deg] Pointing Dec	0	-24.97542053721673
[deg] Pointing Roll	0.0	88.95079049203213
[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)	552948644.313122	552948643.28812
Observation start date	2015-07-10T20:50:44	2015-07-10T20:50:43
[s] Observation end time (MET)	552958824.613695	552958823.5887001
Observation end date	2015-07-10T23:40:25	2015-07-10T23:40:23
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4640001261234

### A.2 Comments