

# V&V Reference Report

## L2 ASCDS Version : 10.3.3

Observation 51861 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : May 29 2015

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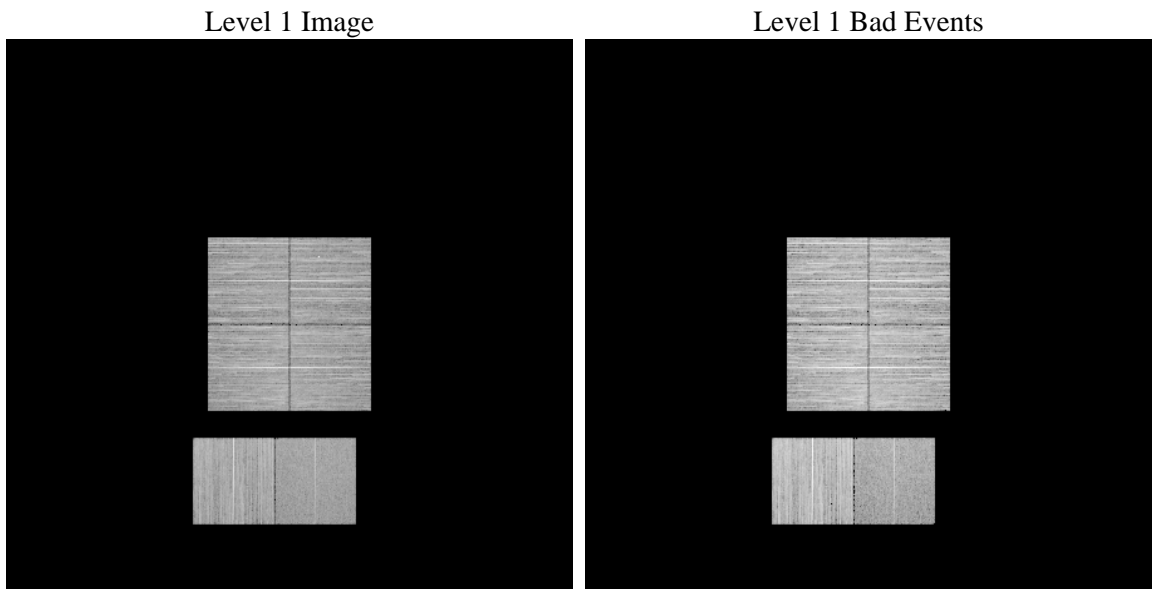
# 1 Front

seq_num	&#160	Sequence number
obs_id	51861	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	72.276650214136	Nominal RA [deg]
dec_nom	-34.517070215615	Nominal Dec [deg]
roll_nom	187.27157979286	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8179.2001218796	Sum of GTIs [s]
livetime	8075.6301650133	Livetime [s]
ontime0	8179.2001218796	Sum of GTIs [s]
ontime1	8179.2001218796	Sum of GTIs [s]
ontime2	8179.2001218796	Sum of GTIs [s]
ontime3	8179.2001218796	Sum of GTIs [s]
ontime6	8179.1823266745	Sum of GTIs [s]
ontime7	8179.2001218796	Sum of GTIs [s]
l2events	150208	Number of level 2 events

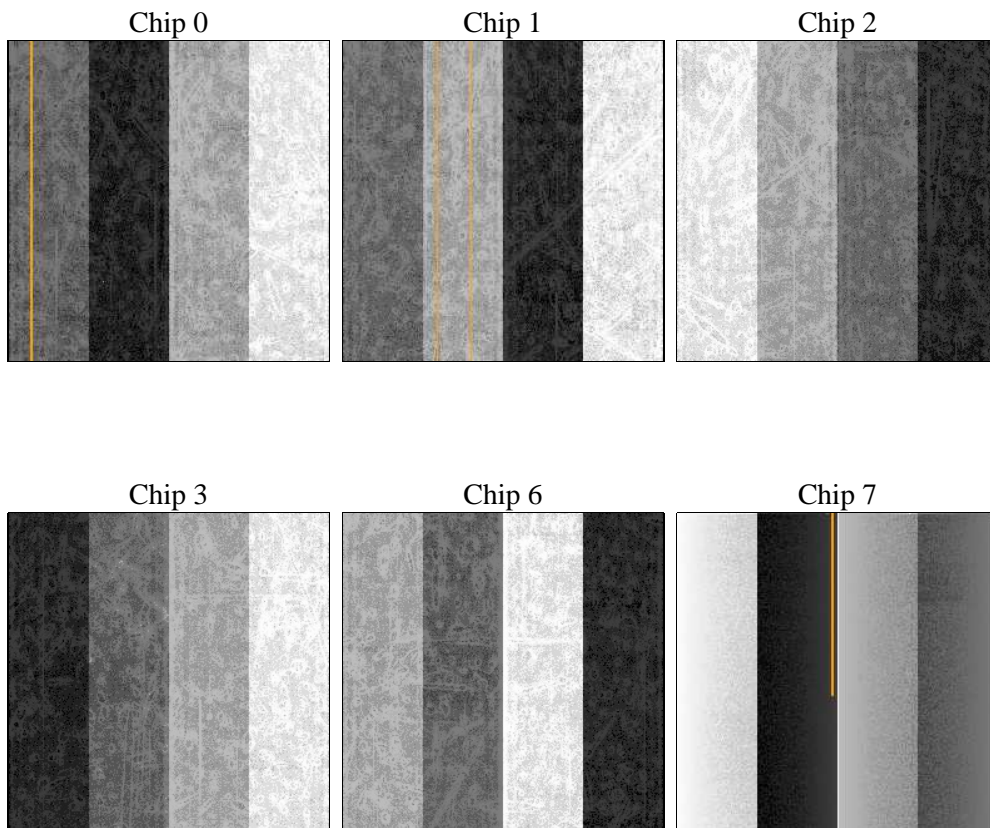
## 2 OBI

### 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	10.3.3	Processing system revision	ontime	8179.2001218796	Sum of GTIs [s]
caldsver	4.6.7	&#160	ontime0	8179.2001218796	Sum of GTIs [s]
date	2015-05-30T01:29:17	Date and time of file creation	ontime1	8179.2001218796	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8179.2001218796	Sum of GTIs [s]
			ontime3	8179.2001218796	Sum of GTIs [s]
			ontime6	8179.1823266745	Sum of GTIs [s]
			ontime7	8179.2001218796	Sum of GTIs [s]
			l1events	851419	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	144782	140860	149837	139772	158725	117443	grade 0 events	10697	11049	11086	11027	10905	6034
rejected events	122872	118015	127729	118009	135870	68323		7%	7%	7%	7%	6%	5%
rejected %	84%	83%	85%	84%	85%	58%	grade 1 events	56	68	77	84	80	93
								0%	0%	0%	0%	0%	0%
							grade 2 events	4685	4892	4516	4278	4875	12113
								3%	3%	3%	3%	3%	10%
							grade 3 events	1571	1582	1611	1595	1624	3941
								1%	1%	1%	1%	1%	3%
							grade 4 events	1524	1592	1674	1555	1524	3796
								1%	1%	1%	1%	0%	3%
							grade 5 events	2851	2939	2813	3235	3055	7573
								1%	2%	1%	2%	1%	6%
							grade 6 events	3555	3870	3345	3444	4063	23536
								2%	2%	2%	2%	2%	20%
							grade 7 events	119843	114868	124715	114554	132599	60357
								82%	81%	83%	81%	83%	51%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	72.27665021413634	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-34.51707021561531	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	187.2715797928605	[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)	549287282.60735	549287281.58235			
Observation start date	2015-05-29T11:48:03	2015-05-29T11:48:01			
[s] Observation end time (MET)	549298733.907993	549298732.88299			
Observation end date	2015-05-29T14:58:54	2015-05-29T14:58:52			
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)	2015.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1792001218796

### A.2 Comments