

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57739 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 17 2012

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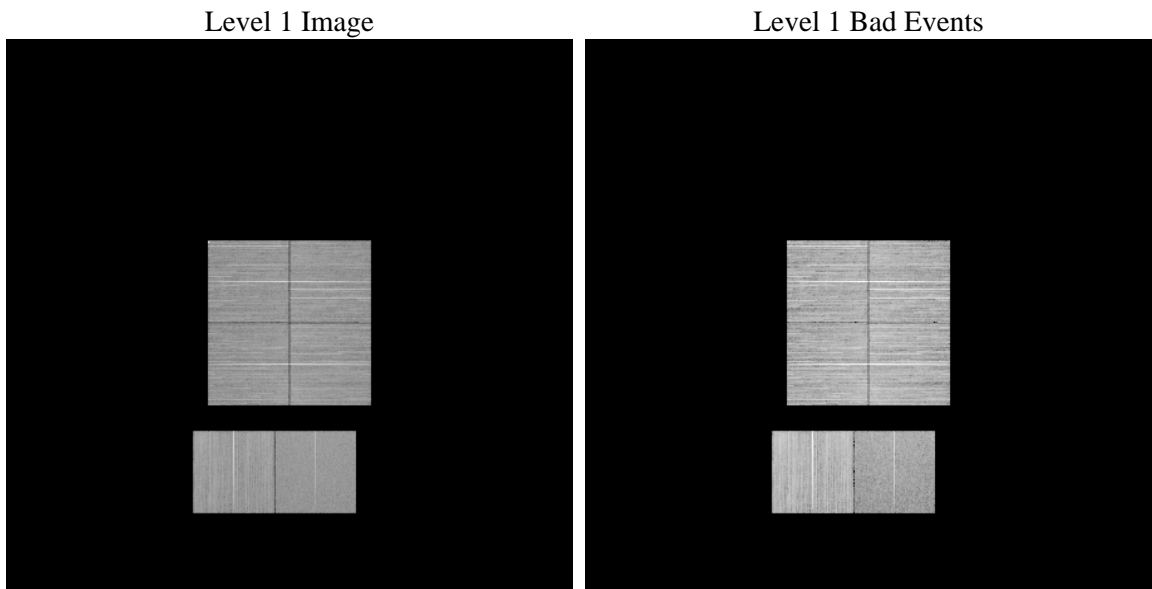
# 1 Front

seq_num	&#160	Sequence number
obs_id	57739	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycycle	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	278.032932687	Nominal RA [deg]
dec_nom	-47.9815954718	Nominal Dec [deg]
roll_nom	7.0123412075882	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7795.1999710202	Sum of GTIs [s]
livetime	7696.4924552813	Livetime [s]
ontime0	6793.7265954018	Sum of GTIs [s]
ontime1	6981.7056214213	Sum of GTIs [s]
ontime2	6638.1580901742	Sum of GTIs [s]
ontime3	6892.2177606225	Sum of GTIs [s]
ontime6	7156.7202196121	Sum of GTIs [s]
ontime7	7795.1999710202	Sum of GTIs [s]
l2events	507341	Number of level 2 events

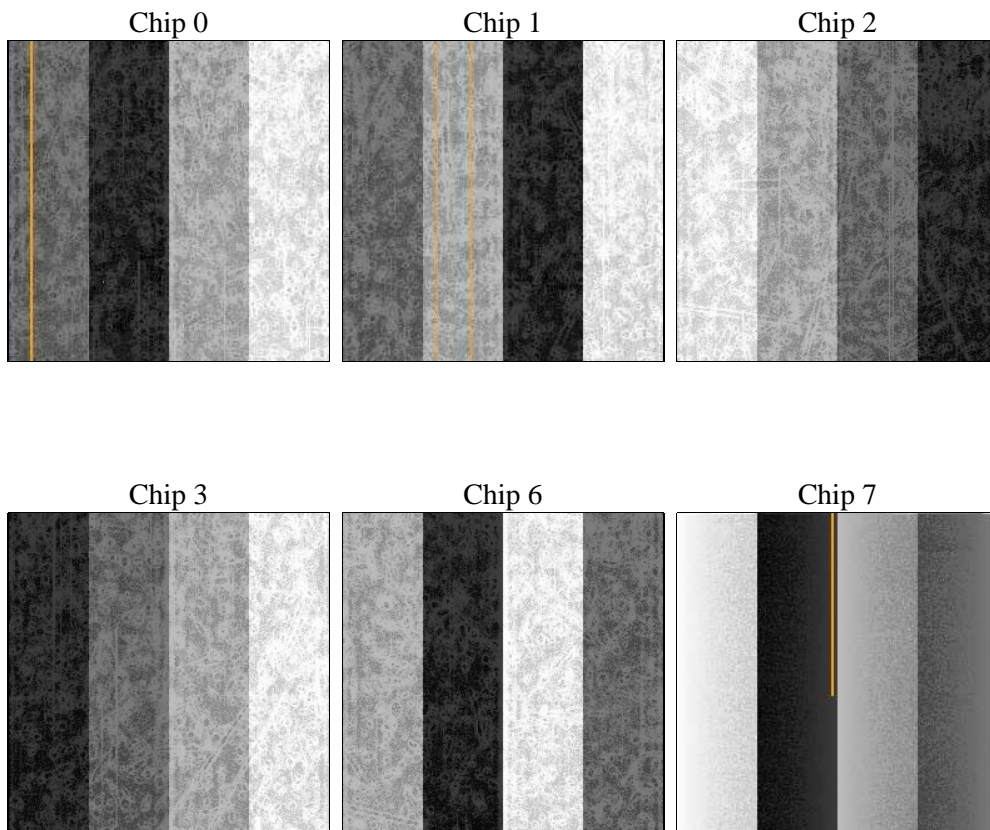
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	7795.1999710202	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	6793.7265954018	Sum of GTIs [s]
date	2012-05-17T05:30:25	Date and time of file creation	ontime1	6981.7056214213	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	6638.1580901742	Sum of GTIs [s]
			ontime3	6892.2177606225	Sum of GTIs [s]
			ontime6	7156.7202196121	Sum of GTIs [s]
			ontime7	7795.1999710202	Sum of GTIs [s]
			l1events	1404681	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	227242	234651	227403	243090	257495	214800	grade 0 events	41863	42808	41973	44229	45625	25137
rejected events	146430	153236	149649	161936	170597	86047		18%	18%	18%	18%	17%	11%
rejected %	64%	65%	65%	66%	66%	40%	grade 1 events	322	277	319	336	306	135
								0%	0%	0%	0%	0%	0%
							grade 2 events	16667	15430	14106	14502	16015	31002
								7%	6%	6%	5%	6%	14%
							grade 3 events	5288	5440	5216	5419	5483	11723
								2%	2%	2%	2%	2%	5%
							grade 4 events	5125	5386	5169	5381	5520	11776
								2%	2%	2%	2%	2%	5%
							grade 5 events	3169	3355	2886	3642	3677	10465
								1%	1%	1%	1%	1%	4%
							grade 6 events	11869	12351	11290	11623	14255	49115
								5%	5%	4%	4%	5%	22%
							grade 7 events	142939	149604	146444	157958	166614	75447
								62%	63%	64%	64%	64%	35%

## 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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	278.0329326870012	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-47.98159547179969	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	7.012341207588213			
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	330808279.508601	330808278.48361			
Observation start date	2008-06-25T19:11:20	2008-06-25T19:11:18			
[s] Observation end time (MET)	330827006.259516	330827005.23452			
Observation end date	2008-06-26T00:23:26	2008-06-26T00:23:25			
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)	2012.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7951999710202

## A.2 Comments