

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56074 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jul 1 2012

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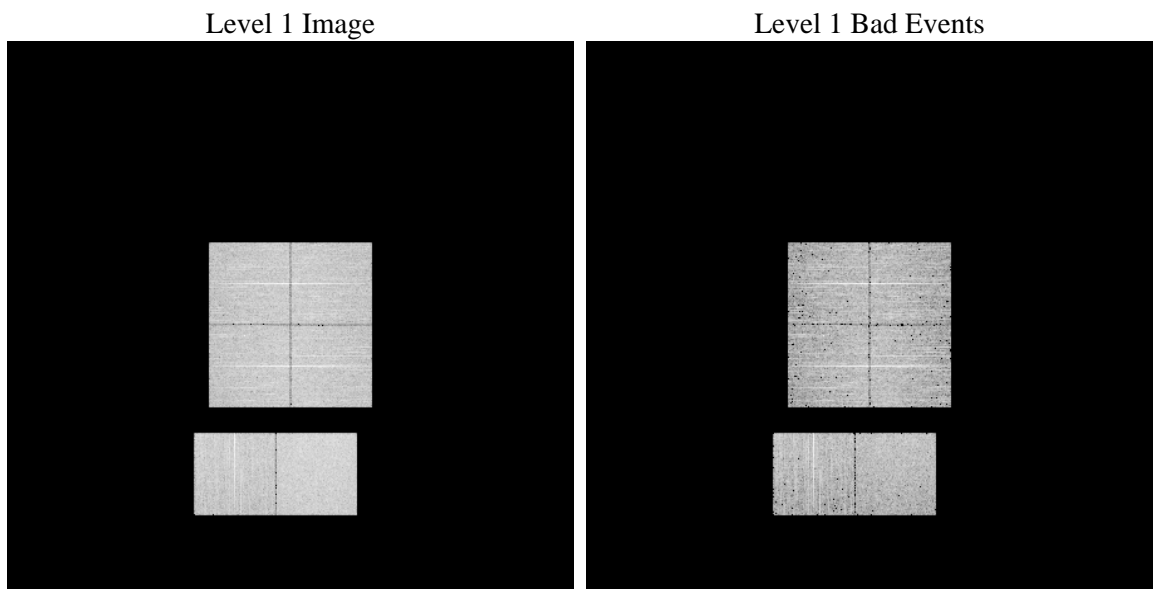
# 1 Front

seq_num	&#160	Sequence number
obs_id	56074	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	339.01217116292	Nominal RA [deg]
dec_nom	-34.473092328914	Nominal Dec [deg]
roll_nom	36.697675784311	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4680.0357998013	Sum of GTIs [s]
livetime	4620.774368525	Livetime [s]
ontime0	4680.0357998013	Sum of GTIs [s]
ontime1	4680.0357998013	Sum of GTIs [s]
ontime2	4679.9969578385	Sum of GTIs [s]
ontime3	4680.0357998013	Sum of GTIs [s]
ontime6	4679.9559178352	Sum of GTIs [s]
ontime7	4680.0357998013	Sum of GTIs [s]
l2events	209087	Number of level 2 events

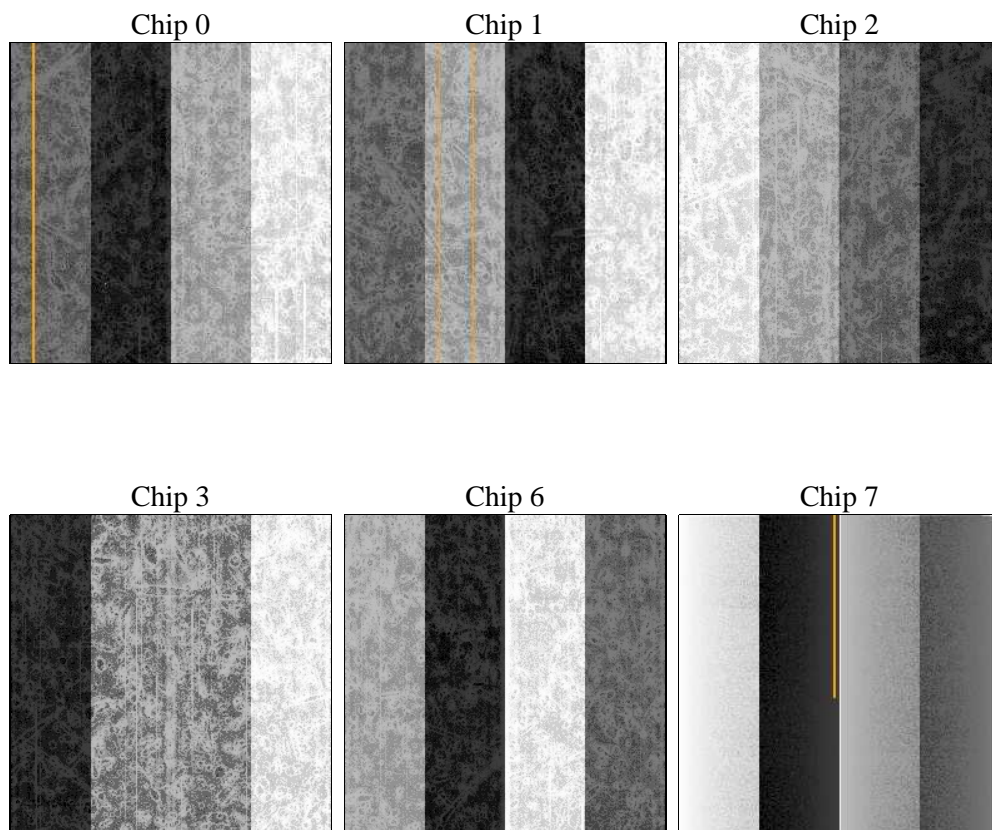
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	4680.0357998013	Sum of GTIs [s]
caldbver	4.5.0	&#160	ontime0	4680.0357998013	Sum of GTIs [s]
date	2012-07-01T18:20:40	Date and time of file creation	ontime1	4680.0357998013	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4679.9969578385	Sum of GTIs [s]
			ontime3	4680.0357998013	Sum of GTIs [s]
			ontime6	4679.9559178352	Sum of GTIs [s]
			ontime7	4680.0357998013	Sum of GTIs [s]
			l1events	442531	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	68314	69515	69847	71921	73305	89629	grade 0 events	17628	17387	17988	18228	17617	8976
rejected events	34746	35925	36548	38355	38752	37232		25%	25%	25%	25%	24%	10%
rejected %	50%	51%	52%	53%	52%	41%	grade 1 events	108	111	128	127	102	85
								0%	0%	0%	0%	0%	0%
							grade 2 events	6286	6487	5748	5833	6496	11588
								9%	9%	8%	8%	8%	12%
							grade 3 events	2302	2243	2321	2261	2231	4534
								3%	3%	3%	3%	3%	5%
							grade 4 events	2236	2162	2304	2248	2190	4567
								3%	3%	3%	3%	2%	5%
							grade 5 events	2121	2128	2065	2356	2313	5746
								3%	3%	2%	3%	3%	6%
							grade 6 events	5116	5311	4938	4996	6019	22732
								7%	7%	7%	6%	8%	25%
							grade 7 events	32517	33686	34355	35872	36337	31401
								47%	48%	49%	49%	49%	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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	339.0121711629192	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-34.47309232891443	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	36.69767578431066	[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)	398250077.994002	398250076.96901			
Observation start date	2010-08-15T09:01:18	2010-08-15T09:01:16			
[s] Observation end time (MET)	398256654.394339	398256653.36935			
Observation end date	2010-08-15T10:50:54	2010-08-15T10:50:53			
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)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.6800357998013

### A.2 Comments