

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 62679 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : May 19 2012

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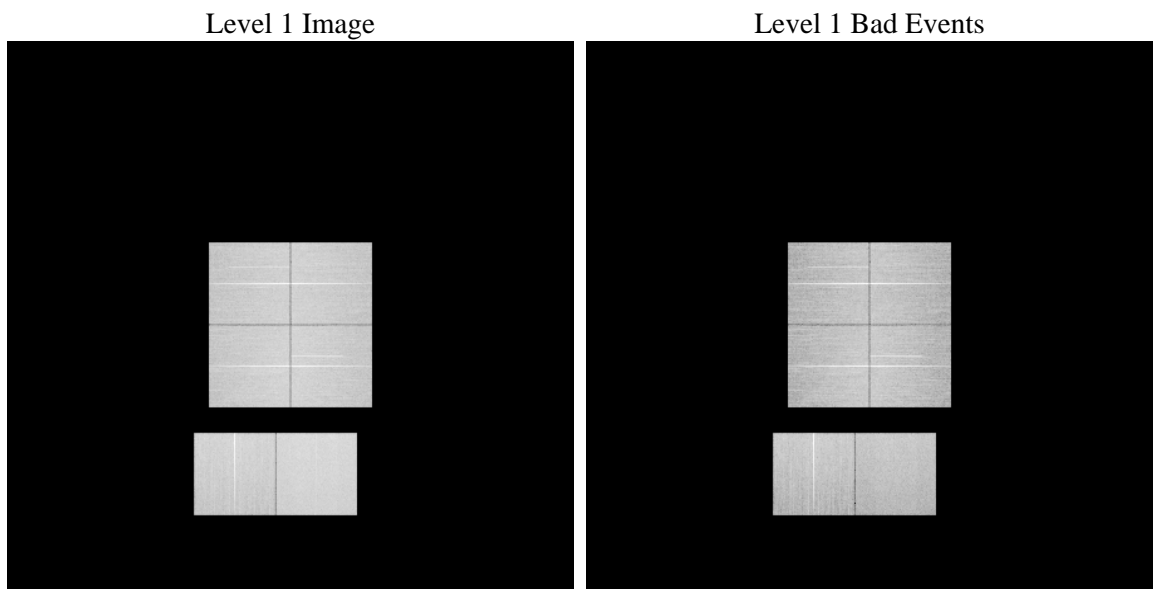
# 1 Front

seq_num	&#160	Sequence number
obs_id	62679	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	266.41271727826	Nominal RA [deg]
dec_nom	-29.004626761767	Nominal Dec [deg]
roll_nom	76.315422580342	Nominal Roll [deg]
revision	1	Processing version of data
ontime	29055.999891818	Sum of GTIs [s]
livetime	28688.075325765	Livetime [s]
ontime0	29055.999891818	Sum of GTIs [s]
ontime1	29055.999891818	Sum of GTIs [s]
ontime2	29055.999891818	Sum of GTIs [s]
ontime3	29055.999891818	Sum of GTIs [s]
ontime6	29055.999891818	Sum of GTIs [s]
ontime7	29055.999891818	Sum of GTIs [s]
l2events	941228	Number of level 2 events

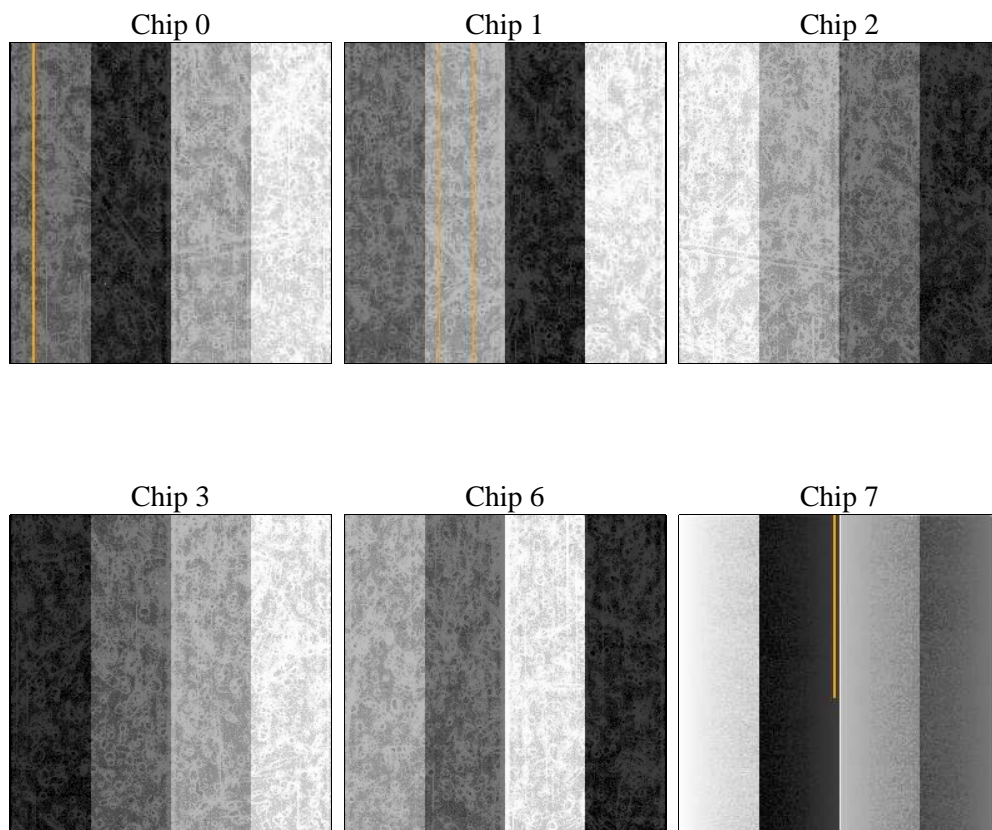
## 2 OBI

### 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	29055.999891818	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	29055.999891818	Sum of GTIs [s]
date	2012-05-19T23:23:33	Date and time of file creation	ontime1	29055.999891818	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	29055.999891818	Sum of GTIs [s]
			ontime3	29055.999891818	Sum of GTIs [s]
			ontime6	29055.999891818	Sum of GTIs [s]
			ontime7	29055.999891818	Sum of GTIs [s]
			l1events	2283856	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	349588	352462	366944	369975	384982	459905	grade 0 events	77241	75177	79560	79571	78869	40111
rejected events	202053	204577	218926	222216	230924	204489		22%	21%	21%	21%	20%	8%
rejected %	57%	58%	59%	60%	59%	44%	grade 1 events	525	449	618	588	452	427
								0%	0%	0%	0%	0%	0%
							grade 2 events	27442	28957	26420	26159	28793	57136
								7%	8%	7%	7%	7%	12%
							grade 3 events	10129	9982	10280	10291	10261	21834
								2%	2%	2%	2%	2%	4%
							grade 4 events	9938	10163	10310	10089	10310	22099
								2%	2%	2%	2%	2%	4%
							grade 5 events	11755	11751	11274	12729	12384	31638
								3%	3%	3%	3%	3%	6%
							grade 6 events	22803	23627	21462	21649	25842	114236
								6%	6%	5%	5%	6%	24%
							grade 7 events	189755	192356	207020	208899	218071	172424
								54%	54%	56%	56%	56%	37%

## 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	266.4127172782614	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-29.00462676176742	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	76.31542258034193	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	453671385.451804	453671384.4268			
Observation start date	2012-05-17T19:49:45	2012-05-17T19:49:44			
[s] Observation end time (MET)	453702367.103452	453702366.07845			
Observation end date	2012-05-18T04:26:07	2012-05-18T04:26:06			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.055999891818

### A.2 Comments