

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57671 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 18 2012

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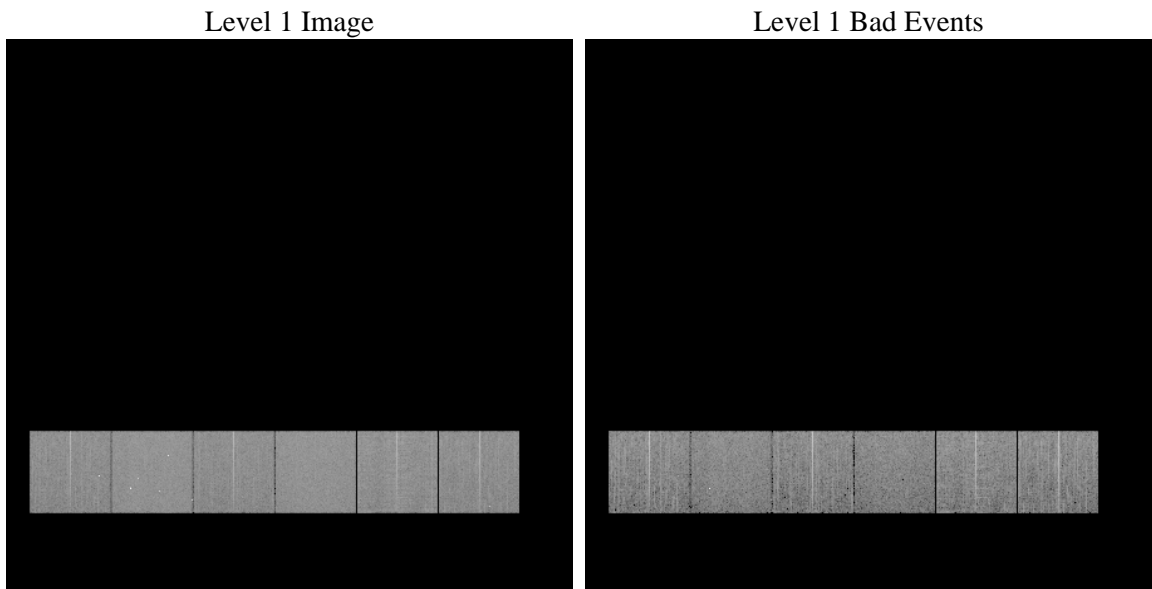
# 1 Front

seq_num	&#160	Sequence number
obs_id	57671	Observation id
title	ACIS-456789 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	318.00856869776	Nominal RA [deg]
dec_nom	-41.478836839286	Nominal Dec [deg]
roll_nom	19.764536909651	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5919.9999780059	Sum of GTIs [s]
livetime	5845.0373736883	Livetime [s]
ontime4	5919.9118111134	Sum of GTIs [s]
ontime5	5919.99389112	Sum of GTIs [s]
ontime6	5919.9528511167	Sum of GTIs [s]
ontime7	5919.9999780059	Sum of GTIs [s]
ontime8	5919.8707711101	Sum of GTIs [s]
ontime9	5919.9999780059	Sum of GTIs [s]
l2events	432226	Number of level 2 events

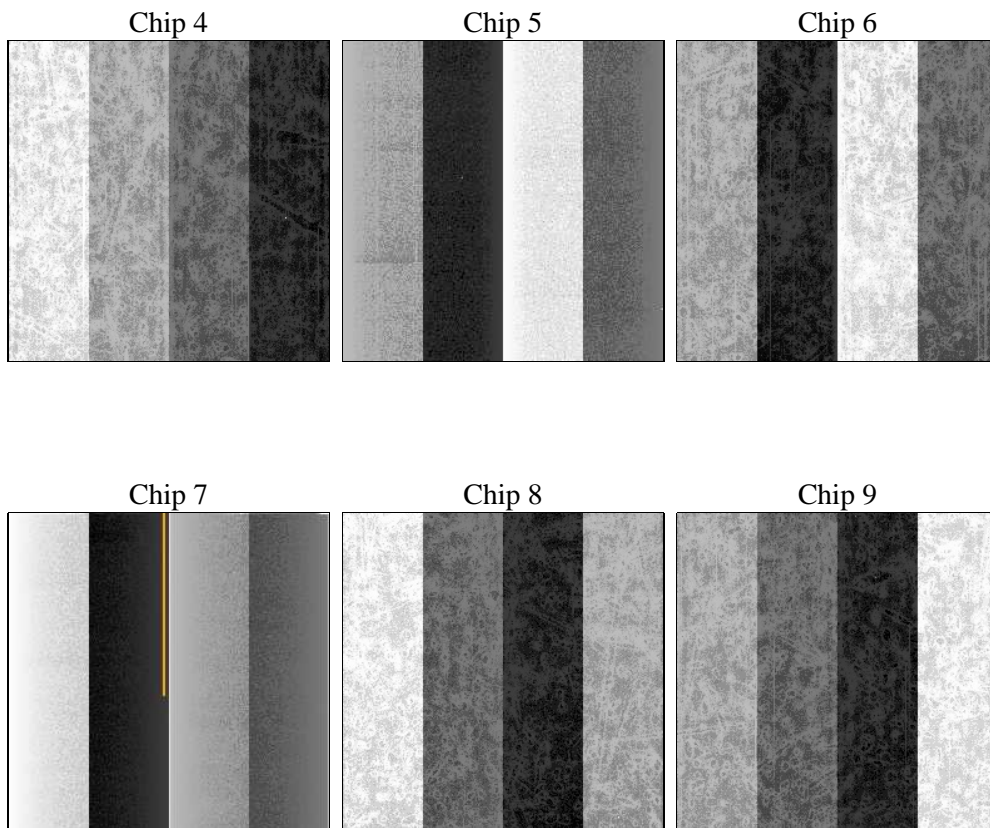
## 2 OBI

### 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	5919.9999780059	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	5919.9118111134	Sum of GTIs [s]
date	2012-05-18T16:41:34	Date and time of file creation	ontime5	5919.99389112	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5919.9528511167	Sum of GTIs [s]
			ontime7	5919.9999780059	Sum of GTIs [s]
			ontime8	5919.8707711101	Sum of GTIs [s]
			ontime9	5919.9999780059	Sum of GTIs [s]
			l1events	793577	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	123278	144815	123179	141017	137663	123625	grade 0 events	38765	15736	36880	18759	40132	36591
rejected events	56231	52339	53297	47581	58321	55908		31%	10%	29%	13%	29%	29%
rejected %	45%	36%	43%	33%	42%	45%	grade 1 events	363	188	217	113	267	281
								0%	0%	0%	0%	0%	0%
							grade 2 events	10558	32945	12503	20479	14530	11900
								8%	22%	10%	14%	10%	9%
							grade 3 events	4730	4546	4555	8666	5740	4473
								3%	3%	3%	6%	4%	3%
							grade 4 events	4515	4384	4525	8793	5561	4418
								3%	3%	3%	6%	4%	3%
							grade 5 events	2948	7501	3193	7863	4074	3455
								2%	5%	2%	5%	2%	2%
							grade 6 events	8479	34865	11419	36739	13379	10335
								6%	24%	9%	26%	9%	8%
							grade 7 events	52920	44650	49887	39605	53980	52172
								42%	30%	40%	28%	39%	42%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	318.008568697765
[deg] Pointing Dec	0	-41.47883683928615
[deg] Pointing Roll	0.0	19.76453690965114
[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)	333780308.154105	333780307.12911
Observation start date	2008-07-30T04:45:08	2008-07-30T04:45:07
[s] Observation end time (MET)	333793073.504731	333793072.47973
Observation end date	2008-07-30T08:17:54	2008-07-30T08:17:52
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2012.05.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.9199999780059

### A.2 Comments