

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56961 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 10 2012

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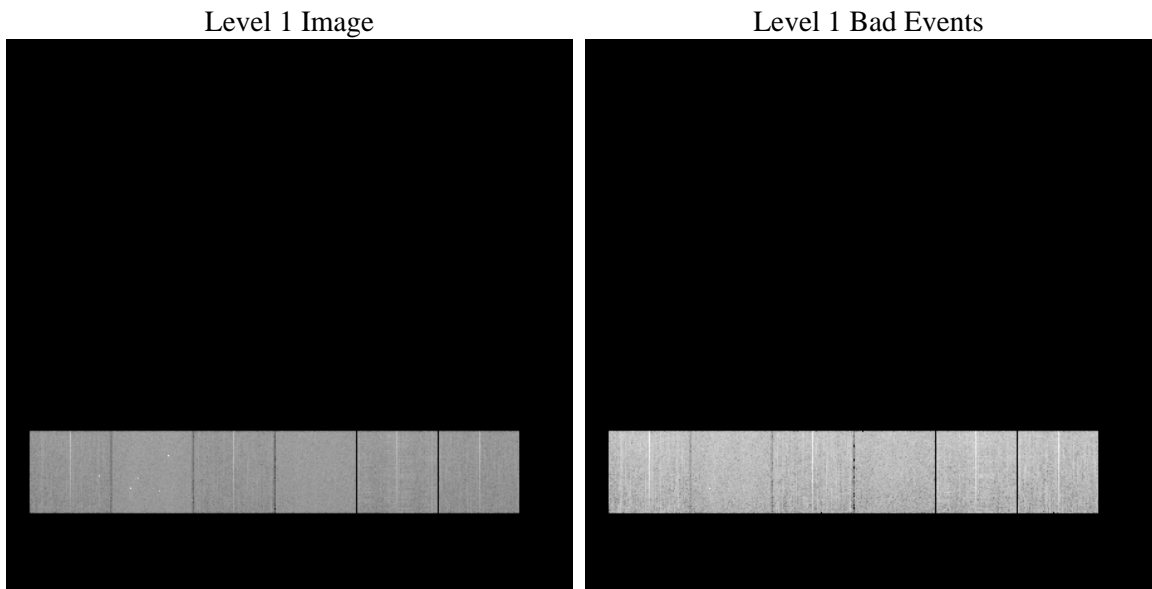
# 1 Front

seq_num	&#160	Sequence number
obs_id	56961	Observation id
title	ACIS-456789 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	61.977302243604	Nominal RA [deg]
dec_nom	14.018414976026	Nominal Dec [deg]
roll_nom	107.26453976955	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7059.199973762	Sum of GTIs [s]
livetime	6969.8121331543	Livetime [s]
ontime4	7059.199973762	Sum of GTIs [s]
ontime5	7059.199973762	Sum of GTIs [s]
ontime6	7059.199973762	Sum of GTIs [s]
ontime7	7059.199973762	Sum of GTIs [s]
ontime8	7059.199973762	Sum of GTIs [s]
ontime9	7059.199973762	Sum of GTIs [s]
l2events	445886	Number of level 2 events

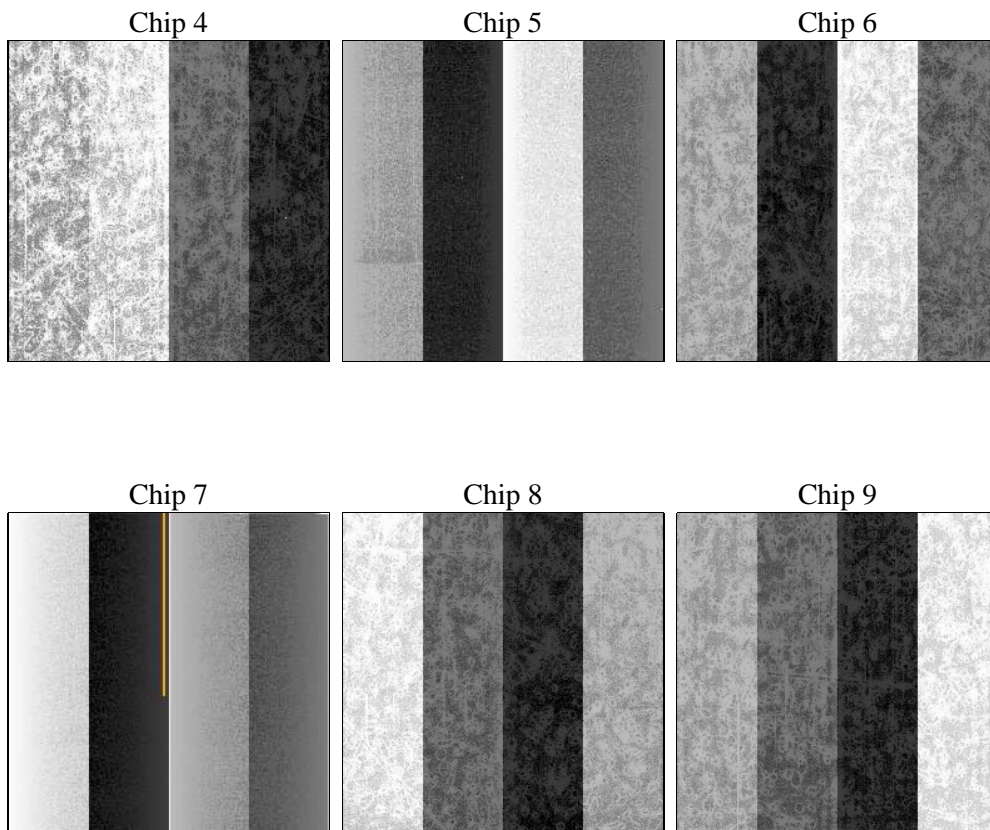
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	7059.199973762	Sum of GTIs [s]
caldbver	4.4.10	&#160	ontime4	7059.199973762	Sum of GTIs [s]
date	2012-06-10T11:46:02	Date and time of file creation	ontime5	7059.199973762	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7059.199973762	Sum of GTIs [s]
			ontime7	7059.199973762	Sum of GTIs [s]
			ontime8	7059.199973762	Sum of GTIs [s]
			ontime9	7059.199973762	Sum of GTIs [s]
			l1events	902003	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	139333	167109	139617	161543	156527	137874	grade 0 events	38171	15356	36180	18248	39964	35787
rejected events	72911	65303	70207	61409	74546	70392		27%	9%	25%	11%	25%	25%
rejected %	52%	39%	50%	38%	47%	51%	grade 1 events	400	208	228	149	305	300
								0%	0%	0%	0%	0%	0%
							grade 2 events	10625	35898	12390	21745	15343	11882
								7%	21%	8%	13%	9%	8%
							grade 3 events	4623	4651	4520	9210	6128	4452
								3%	2%	3%	5%	3%	3%
							grade 4 events	4541	4508	4501	9186	6001	4613
								3%	2%	3%	5%	3%	3%
							grade 5 events	3796	8844	3918	10177	5067	4368
								2%	5%	2%	6%	3%	3%
							grade 6 events	8492	41437	11852	41790	14571	10785
								6%	24%	8%	25%	9%	7%
							grade 7 events	68685	56207	66028	51038	69148	65687
								49%	33%	47%	31%	44%	47%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	61.97730224360369	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	14.01841497602591	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	107.2645397695477	[s] Primary exposure time	3.2	3.2
[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)	363756540.498337	363756539.47334			
Observation start date	2009-07-12T03:29:00	2009-07-12T03:28:59			
[s] Observation end time (MET)	363765509.248786	363765508.22379			
Observation end date	2009-07-12T05:58:29	2009-07-12T05:58:28			
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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.059199973762

## A.2 Comments