

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 61521 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Jan 3 2013

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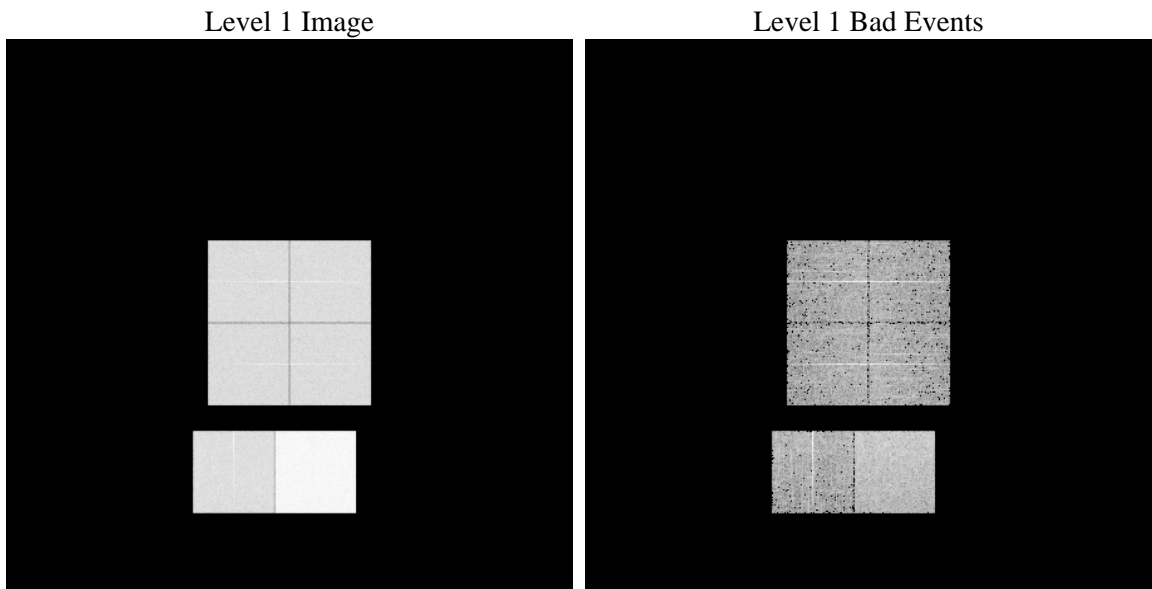
# 1 Front

seq_num	&#160	Sequence number
obs_id	61521	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	359.97205720875	Nominal RA [deg]
dec_nom	20.011420677881	Nominal Dec [deg]
roll_nom	123.80822168821	Nominal Roll [deg]
revision	4	Processing version of data
ontime	7571.2396701276	Sum of GTIs [s]
lvetime	7475.3680745713	Livetime [s]
ontime0	2968.7893030494	Sum of GTIs [s]
ontime1	3004.6166230887	Sum of GTIs [s]
ontime2	2822.9426130354	Sum of GTIs [s]
ontime3	2865.0763721764	Sum of GTIs [s]
ontime6	3111.3948334306	Sum of GTIs [s]
ontime7	7571.2396701276	Sum of GTIs [s]
l2events	1325233	Number of level 2 events

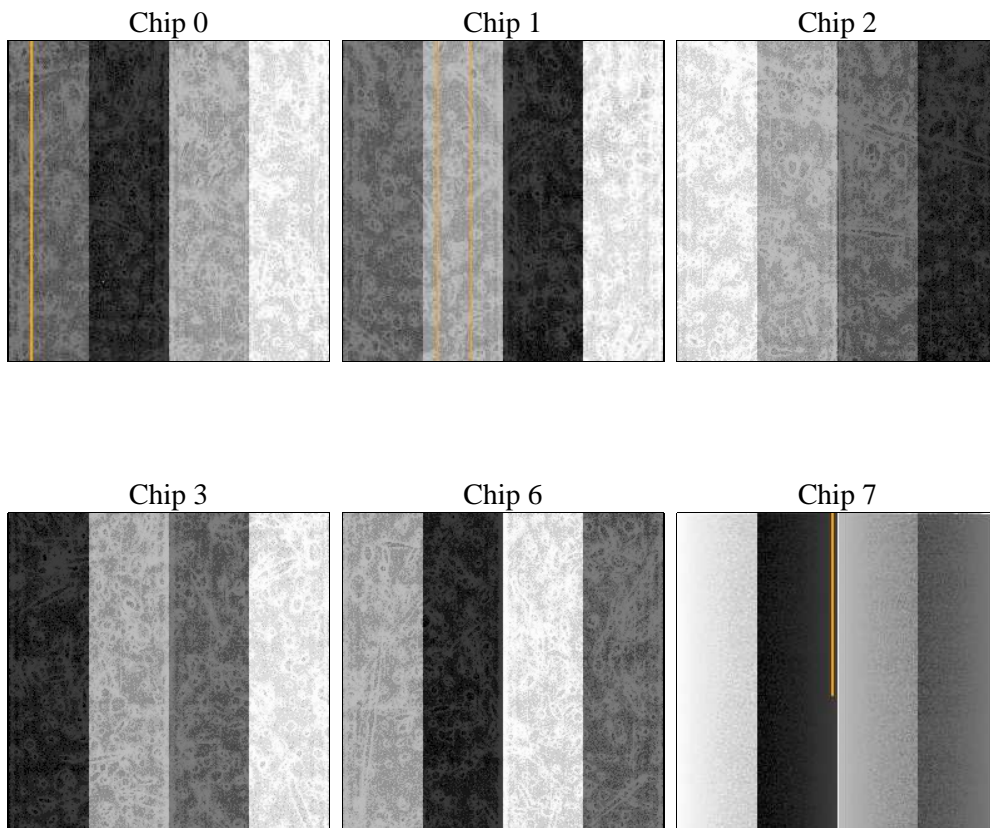
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	7571.2396701276	Sum of GTIs [s]
caldbver	4.5.5	&#160	ontime0	2968.7893030494	Sum of GTIs [s]
date	2013-01-03T00:45:18	Date and time of file creation	ontime1	3004.6166230887	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	2822.9426130354	Sum of GTIs [s]
			ontime3	2865.0763721764	Sum of GTIs [s]
			ontime6	3111.3948334306	Sum of GTIs [s]
			ontime7	7571.2396701276	Sum of GTIs [s]
			l1events	1544946	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	202444	204546	195237	200192	221022	521505	grade 0 events	97905	99678	92896	96716	103687	118530
rejected events	23409	22561	23621	25445	25938	43833		48%	48%	47%	48%	46%	22%
rejected %	11%	11%	12%	12%	11%	8%	grade 1 events	506	475	440	471	467	330
								0%	0%	0%	0%	0%	0%
							grade 2 events	32624	33300	32729	31971	36916	105841
								16%	16%	16%	15%	16%	20%
							grade 3 events	11038	11221	10315	10423	11410	47777
								5%	5%	5%	5%	5%	9%
							grade 4 events	10918	11126	10308	10626	11258	46829
								5%	5%	5%	5%	5%	8%
							grade 5 events	1658	1650	1519	1636	1888	8814
								0%	0%	0%	0%	0%	1%
							grade 6 events	26550	26848	25368	25011	31813	158918
								13%	13%	12%	12%	14%	30%
							grade 7 events	21245	20248	21662	23338	23583	34466
								10%	9%	11%	11%	10%	6%

## 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	359.9720572087462	Alternating exposures requested	N	N
[deg] Pointing Dec	0	20.01142067788061	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	123.8082216882062			
[mm] SIM focus pos	-0.782348	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-233.592463	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	112659926.203695	112659925.43526			
Observation start date	2001-07-27T22:25:26	2001-07-27T22:25:25			
[s] Observation end time (MET)	112675580.004309	112675579.23587			
Observation end date	2001-07-28T02:46:20	2001-07-28T02:46:19			
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)	2013.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5712396701276

## A.2 Comments