

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55220 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 20 2012

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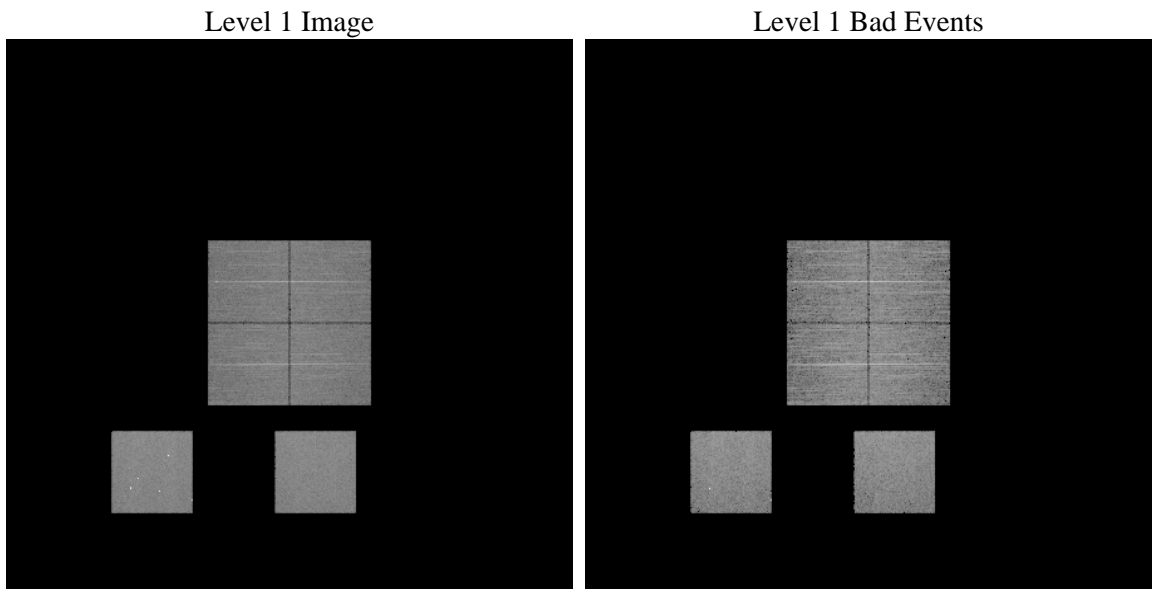
# 1 Front

seq_num	&#160	Sequence number
obs_id	55220	Observation id
title	ACIS-012357 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	344.47073125926	Nominal RA [deg]
dec_nom	15.49450276249	Nominal Dec [deg]
roll_nom	158.09741930058	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8284.7999691963	Sum of GTIs [s]
livetime	8179.8928434787	Livetime [s]
ontime0	8284.7999691963	Sum of GTIs [s]
ontime1	8284.7999691963	Sum of GTIs [s]
ontime2	8281.5589488745	Sum of GTIs [s]
ontime3	8284.7999691963	Sum of GTIs [s]
ontime5	8284.7999691963	Sum of GTIs [s]
ontime7	8284.7999691963	Sum of GTIs [s]
l2events	323484	Number of level 2 events

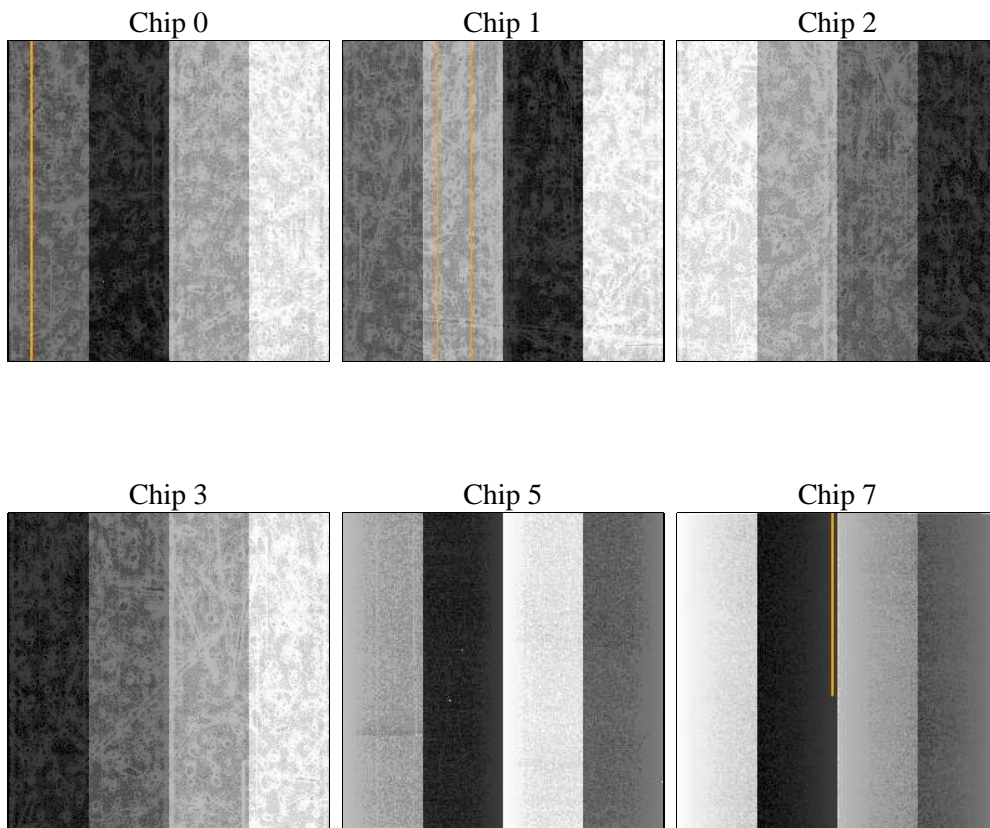
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	8284.7999691963	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	8284.7999691963	Sum of GTIs [s]
date	2012-02-21T00:48:15	Date and time of file creation	ontime1	8284.7999691963	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8281.5589488745	Sum of GTIs [s]
			ontime3	8284.7999691963	Sum of GTIs [s]
			ontime5	8284.7999691963	Sum of GTIs [s]
			ontime7	8284.7999691963	Sum of GTIs [s]
			l1events	682225	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	96747	101077	102166	102605	144817	134813	grade 0 events	24688	23500	25141	25249	13674	11951
rejected events	49789	54031	55980	55728	60690	59435		25%	23%	24%	24%	9%	8%
rejected %	51%	53%	54%	54%	41%	44%	grade 1 events	130	125	155	144	308	102
								0%	0%	0%	0%	0%	0%
							grade 2 events	8731	9755	7812	8170	29495	16735
								9%	9%	7%	7%	20%	12%
							grade 3 events	3231	2992	3231	3302	2845	6493
								3%	2%	3%	3%	1%	4%
							grade 4 events	3135	3006	3173	3252	2637	6391
								3%	2%	3%	3%	1%	4%
							grade 5 events	3223	3237	3181	3662	7226	8795
								3%	3%	3%	3%	4%	6%
							grade 6 events	7191	7823	6848	6919	35509	33839
								7%	7%	6%	6%	24%	25%
							grade 7 events	46418	50639	52625	51907	53123	50507
								47%	50%	51%	50%	36%	37%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	344.4707312592632	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	15.49450276248974	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	158.0974193005817	[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)	430693094.351245	430693093.32625			
Observation start date	2011-08-25T20:58:14	2011-08-25T20:58:13			
[s] Observation end time (MET)	430703783.051805	430703782.02682			
Observation end date	2011-08-25T23:56:23	2011-08-25T23:56:22			
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)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2847999691963

### A.2 Comments