

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54920 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jan 21 2012

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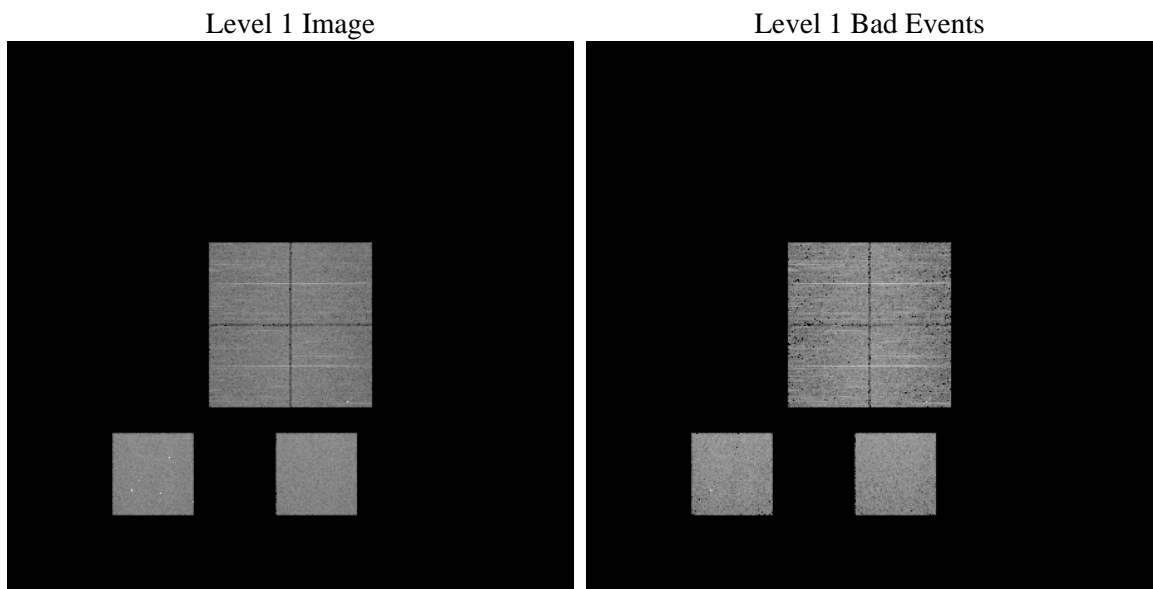
# 1 Front

seq_num	&#160	Sequence number
obs_id	54920	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	142.30854597013	Nominal RA [deg]
dec_nom	-12.506980974425	Nominal Dec [deg]
roll_nom	25.778170926194	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4910.6022605896	Sum of GTIs [s]
livetime	4848.4212579563	Livetime [s]
ontime0	4910.5612205863	Sum of GTIs [s]
ontime1	4910.520180583	Sum of GTIs [s]
ontime2	4910.4791405797	Sum of GTIs [s]
ontime3	4910.6433005929	Sum of GTIs [s]
ontime5	4910.4381005764	Sum of GTIs [s]
ontime7	4910.6022605896	Sum of GTIs [s]
l2events	182170	Number of level 2 events

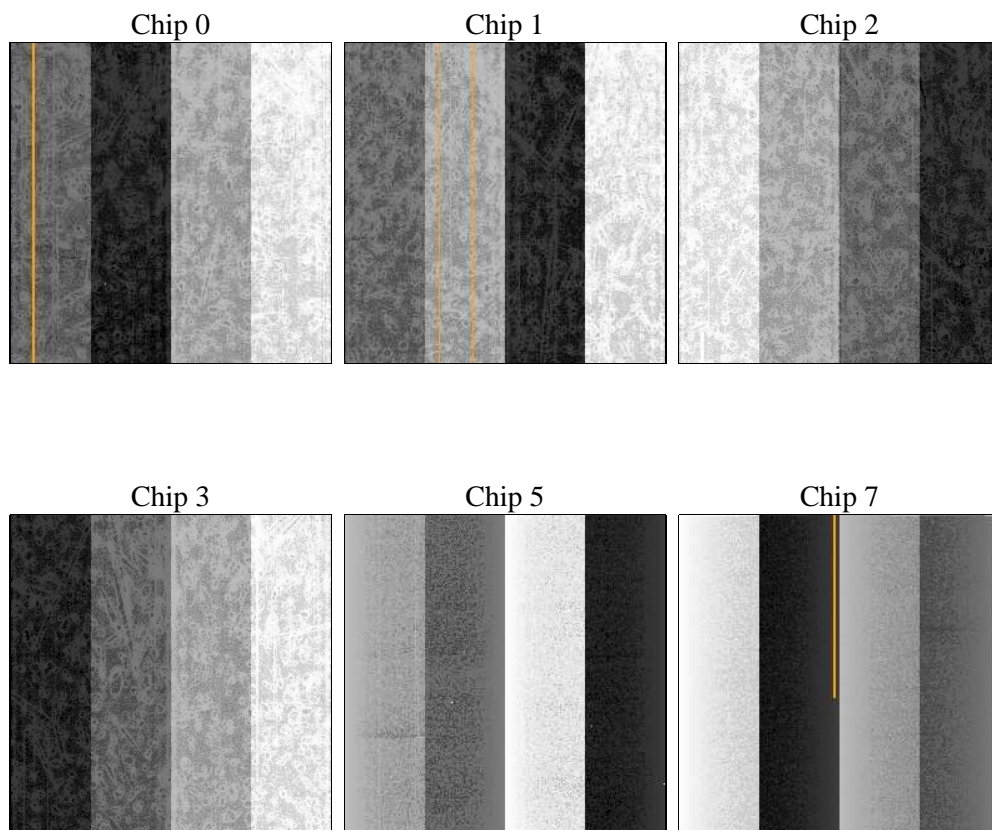
## 2 OBI

### 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	4910.6022605896	Sum of GTIs [s]
caldbver	4.4.7	&#160	ontime0	4910.5612205863	Sum of GTIs [s]
date	2012-01-22T03:34:39	Date and time of file creation	ontime1	4910.520180583	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4910.4791405797	Sum of GTIs [s]
			ontime3	4910.6433005929	Sum of GTIs [s]
			ontime5	4910.4381005764	Sum of GTIs [s]
			ontime7	4910.6022605896	Sum of GTIs [s]
			l1events	413591	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	60523	59519	59508	62951	88054	83036	grade 0 events	14338	13773	14350	16229	8000	7407
rejected events	34532	33330	34025	35674	40297	39705		23%	23%	24%	25%	9%	8%
rejected %	57%	55%	57%	56%	45%	47%	grade 1 events	93	57	107	98	629	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	5125	5453	4847	4692	17256	10087
								8%	9%	8%	7%	19%	12%
							grade 3 events	1980	1829	1815	1920	1803	4013
								3%	3%	3%	3%	2%	4%
							grade 4 events	1805	1939	1814	1895	1757	3938
								2%	3%	3%	3%	1%	4%
							grade 5 events	2229	2161	2052	2296	4589	5688
								3%	3%	3%	3%	5%	6%
							grade 6 events	4056	4510	3975	3927	21370	20136
								6%	7%	6%	6%	24%	24%
							grade 7 events	30897	29797	30548	31894	32650	31685
								51%	50%	51%	50%	37%	38%

## 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	OVERRIDE	OVERRIDE
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	142.3085459701251	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-12.50698097442464	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	25.77817092619368	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	443458930.660453	443458930.660453			
Observation start date	2012-01-20T15:02:11	2012-01-20T15:02:10			
[s] Observation end time (MET)	443465354.223363	443465354.223363			
Observation end date	2012-01-20T16:49:14	2012-01-20T16:49:14			
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)	2012.01.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9106022605896

### A.2 Comments