

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55188 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 22 2012

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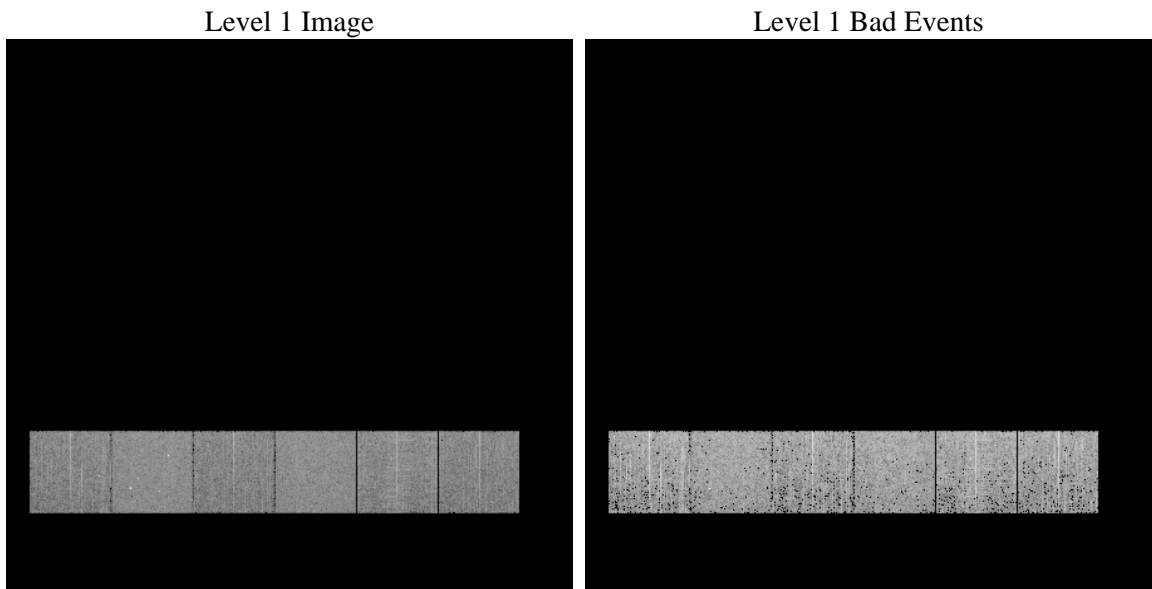
# 1 Front

seq_num	&#160	Sequence number
obs_id	55188	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	328.0283440221	Nominal RA [deg]
dec_nom	-21.010999521216	Nominal Dec [deg]
roll_nom	304.50894844665	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3432.1920414567	Sum of GTIs [s]
livetime	3388.7315592098	Livetime [s]
ontime4	3432.0689214468	Sum of GTIs [s]
ontime5	3432.1510014534	Sum of GTIs [s]
ontime6	3428.8689510822	Sum of GTIs [s]
ontime7	3432.1920414567	Sum of GTIs [s]
ontime8	3432.0278814435	Sum of GTIs [s]
ontime9	3432.23308146	Sum of GTIs [s]
l2events	132468	Number of level 2 events

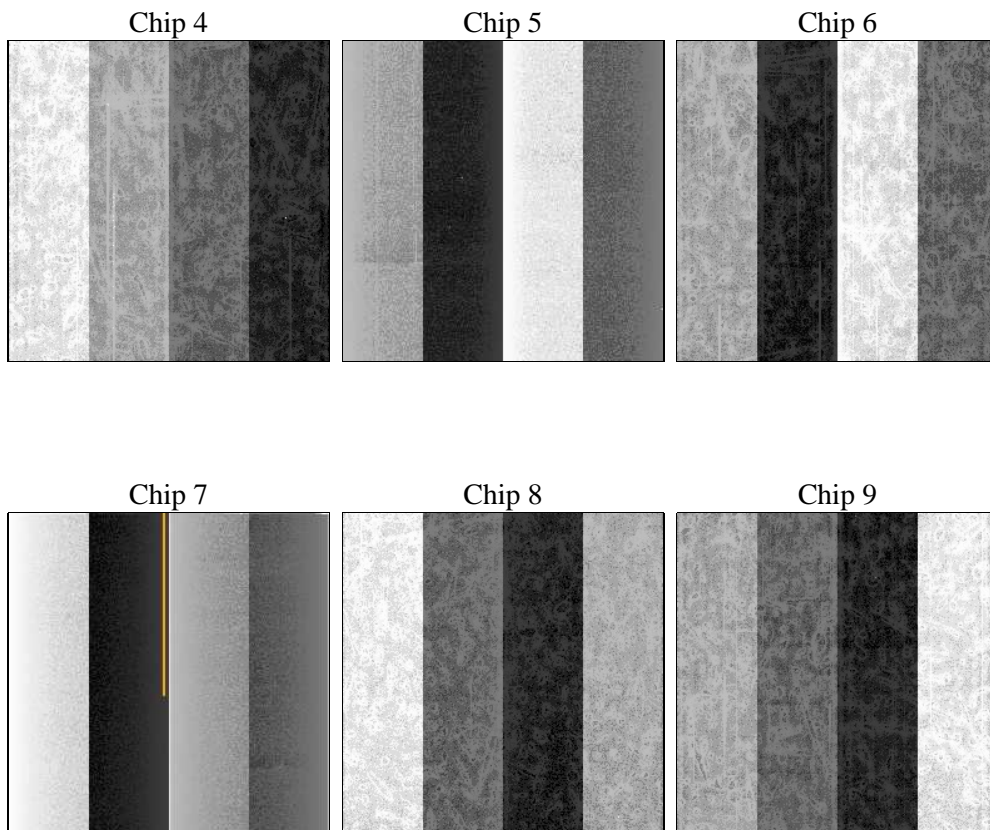
## 2 OBI

### 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	3432.1920414567	Sum of GTIs [s]
caldbver	4.4.8	&#160	ontime4	3432.0689214468	Sum of GTIs [s]
date	2012-02-23T03:39:59	Date and time of file creation	ontime5	3432.1510014534	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3428.8689510822	Sum of GTIs [s]
			ontime7	3432.1920414567	Sum of GTIs [s]
			ontime8	3432.0278814435	Sum of GTIs [s]
			ontime9	3432.23308146	Sum of GTIs [s]
			l1events	291055	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	44313	56589	42579	54229	50029	43316
rejected events	24680	23768	22669	23599	25346	23784
rejected %	55%	42%	53%	43%	50%	54%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	11394	4789	10376	5118	11635	10360
	25%	8%	24%	9%	23%	23%
grade 1 events	81	79	57	45	56	75
	0%	0%	0%	0%	0%	0%
grade 2 events	3086	11660	3593	6674	4770	3467
	6%	20%	8%	12%	9%	8%
grade 3 events	1357	1320	1292	2726	1921	1311
	3%	2%	3%	5%	3%	3%
grade 4 events	1372	1323	1336	2692	1837	1300
	3%	2%	3%	4%	3%	3%
grade 5 events	1422	3109	1478	3768	1907	1592
	3%	5%	3%	6%	3%	3%
grade 6 events	2424	13729	3313	13420	4520	3094
	5%	24%	7%	24%	9%	7%
grade 7 events	23177	20580	21134	19786	23383	22117
	52%	36%	49%	36%	46%	51%

## 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	328.0283440221027	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-21.01099952121609	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	304.5089484466471	[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)	432290386.78504	432290385.76004			
Observation start date	2011-09-13T08:39:47	2011-09-13T08:39:45			
[s] Observation end time (MET)	432295716.78532	432295715.76032			
Observation end date	2011-09-13T10:08:37	2011-09-13T10:08:35			
Read mode	TIMED	TIMED			

**2.3 Star Slots**

**2.4 FID Slots**

# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.4321920414567

## A.2 Comments