

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58560 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 19 2012

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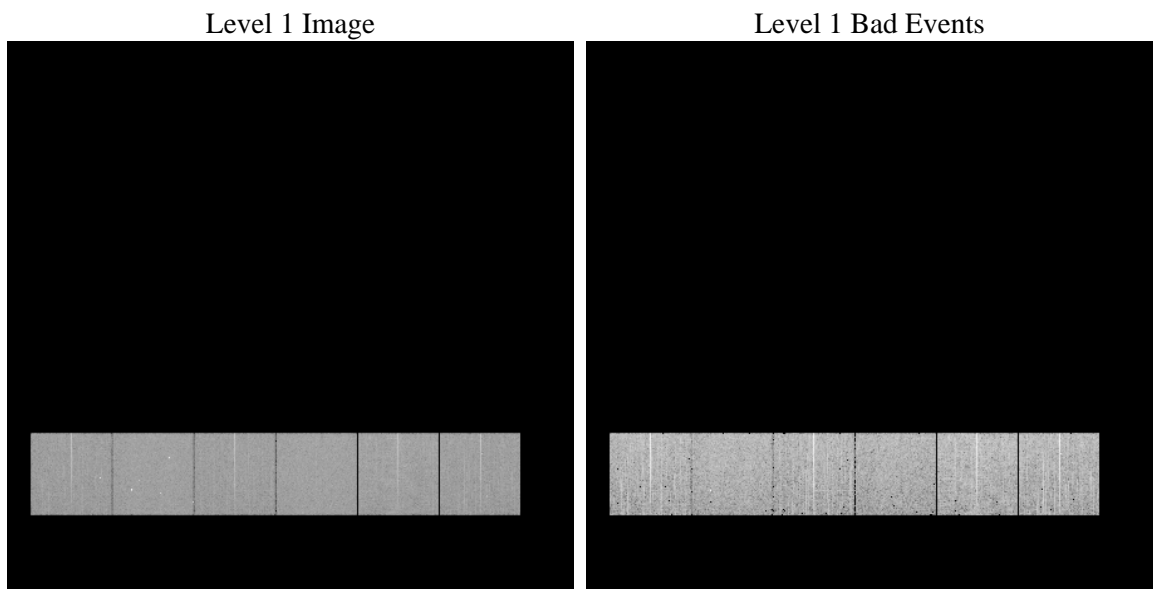
# 1 Front

seq_num	&#160	Sequence number
obs_id	58560	Observation id
title	ACIS-456789 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	94.992719226847	Nominal RA [deg]
dec_nom	29.969604473338	Nominal Dec [deg]
roll_nom	256.64590948645	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4786.6870295405	Sum of GTIs [s]
livetime	4726.0751161756	Livetime [s]
ontime4	4786.5639095306	Sum of GTIs [s]
ontime5	4786.6459895372	Sum of GTIs [s]
ontime6	4786.6049495339	Sum of GTIs [s]
ontime7	4786.6870295405	Sum of GTIs [s]
ontime8	4786.5228695273	Sum of GTIs [s]
ontime9	4786.7280695438	Sum of GTIs [s]
l2events	507178	Number of level 2 events

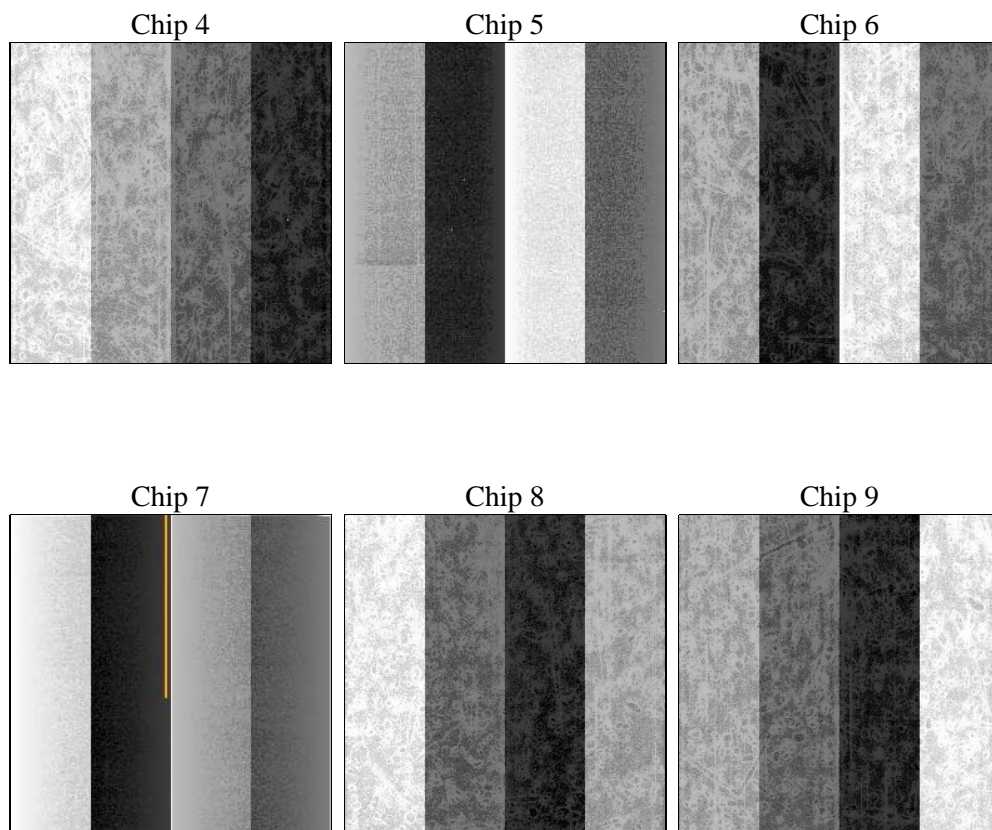
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	4786.6870295405	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	4786.5639095306	Sum of GTIs [s]
date	2012-04-19T03:26:04	Date and time of file creation	ontime5	4786.6459895372	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4786.6049495339	Sum of GTIs [s]
			ontime7	4786.6870295405	Sum of GTIs [s]
			ontime8	4786.5228695273	Sum of GTIs [s]
			ontime9	4786.7280695438	Sum of GTIs [s]
			l1events	809214	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	127430	138133	129947	140082	142801	130821	grade 0 events	46868	18074	46035	22511	48619	45142
rejected events	45786	40143	43689	37015	49636	46370		36%	13%	35%	16%	34%	34%
rejected %	35%	29%	33%	26%	34%	35%	grade 1 events	464	145	312	102	333	338
								0%	0%	0%	0%	0%	0%
							grade 2 events	12806	35575	15098	22219	16742	14656
								10%	25%	11%	15%	11%	11%
							grade 3 events	5573	4887	5412	9846	6414	5383
								4%	3%	4%	7%	4%	4%
							grade 4 events	5414	4931	5467	9842	6097	5577
								4%	3%	4%	7%	4%	4%
							grade 5 events	2444	5625	2603	6190	3228	2916
								1%	4%	2%	4%	2%	2%
							grade 6 events	10983	34523	14246	38649	15293	13693
								8%	24%	10%	27%	10%	10%
							grade 7 events	42878	34373	40774	30723	46075	43116
								33%	24%	31%	21%	32%	32%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	94.992719226847
[deg] Pointing Dec	0	29.96960447333784
[deg] Pointing Roll	0.0	256.645909486445
[mm] SIM focus pos	-0.684267	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	286029088.001404	286029086.97639
Observation start date	2007-01-24T12:31:28	2007-01-24T12:31:26
[s] Observation end time (MET)	286036351.151749	286036350.12674
Observation end date	2007-01-24T14:32:31	2007-01-24T14:32:30
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.7866870295405

### A.2 Comments