

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58145 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 3 2012

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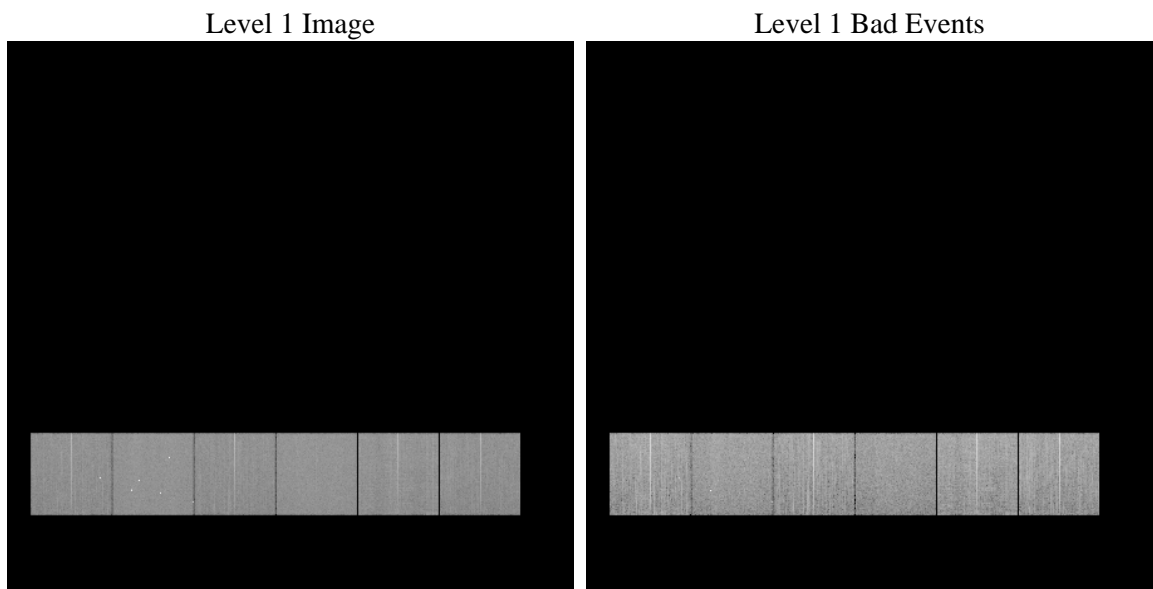
# 1 Front

seq_num	&#160	Sequence number
obs_id	58145	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	44.21913584166	Nominal RA [deg]
dec_nom	-13.478102806372	Nominal Dec [deg]
roll_nom	16.761084973174	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8172.3238286376	Sum of GTIs [s]
livetime	8068.8409435368	Livetime [s]
ontime4	8172.2007086277	Sum of GTIs [s]
ontime5	8172.2827886343	Sum of GTIs [s]
ontime6	8172.241748631	Sum of GTIs [s]
ontime7	8172.3238286376	Sum of GTIs [s]
ontime8	8172.1596686244	Sum of GTIs [s]
ontime9	8172.3648686409	Sum of GTIs [s]
l2events	691523	Number of level 2 events

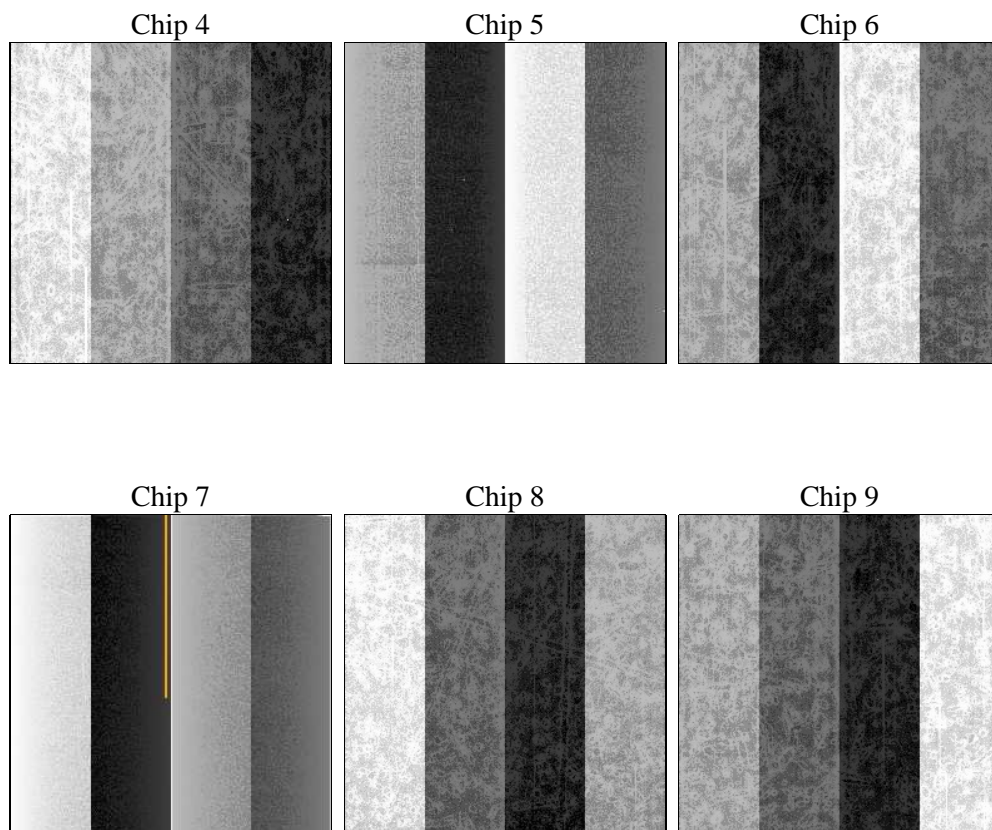
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8172.3238286376	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8172.2007086277	Sum of GTIs [s]
date	2012-05-04T01:57:06	Date and time of file creation	ontime5	8172.2827886343	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8172.241748631	Sum of GTIs [s]
			ontime7	8172.3238286376	Sum of GTIs [s]
			ontime8	8172.1596686244	Sum of GTIs [s]
			ontime9	8172.3648686409	Sum of GTIs [s]
			l1events	1227052	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	194162	219681	194161	213116	211954	193978	grade 0 events	64143	29217	61797	30026	65521	60656
rejected events	85064	73525	79712	68087	85027	83076		33%	13%	31%	14%	30%	31%
rejected %	43%	33%	41%	31%	40%	42%	grade 1 events	593	272	386	190	429	441
								0%	0%	0%	0%	0%	0%
							grade 2 events	17263	51497	20492	31993	23706	19436
								8%	23%	10%	15%	11%	10%
							grade 3 events	7499	7262	7315	14149	9099	7323
								3%	3%	3%	6%	4%	3%
							grade 4 events	7566	6965	7446	14136	8724	7471
								3%	3%	3%	6%	4%	3%
							grade 5 events	4302	10138	4370	10978	5449	4841
								2%	4%	2%	5%	2%	2%
							grade 6 events	13991	53058	18836	56518	21473	17419
								7%	24%	9%	26%	10%	8%
							grade 7 events	78805	61272	73519	55126	77553	76391
								40%	27%	37%	25%	36%	39%

## 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	44.2191358416597
[deg] Pointing Dec	0	-13.47810280637246
[deg] Pointing Roll	0.0	16.76108497317434
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	310281772.011644	310281770.98663
Observation start date	2007-11-01T05:22:52	2007-11-01T05:22:50
[s] Observation end time (MET)	310304684.86275	310304683.83774
Observation end date	2007-11-01T11:44:45	2007-11-01T11:44:43
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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1723238286376

### A.2 Comments