

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62059 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Aug 27 2012

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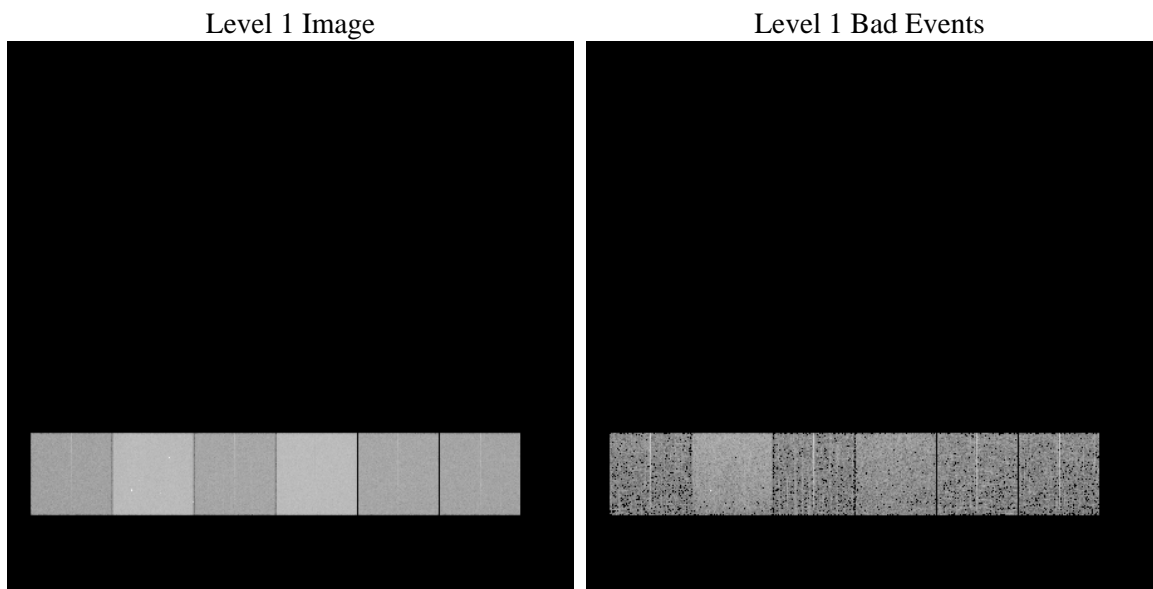
# 1 Front

seq_num	&#160	Sequence number
obs_id	62059	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	12.381812951517	Nominal RA [deg]
dec_nom	-60.319896289457	Nominal Dec [deg]
roll_nom	147.41748489565	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4066.1128970087	Sum of GTIs [s]
livetime	4014.6253271875	Livetime [s]
ontime4	1667.8786760718	Sum of GTIs [s]
ontime5	4366.8747581244	Sum of GTIs [s]
ontime6	1846.0947059989	Sum of GTIs [s]
ontime7	4066.1128970087	Sum of GTIs [s]
ontime8	1829.971635893	Sum of GTIs [s]
ontime9	1783.7836414129	Sum of GTIs [s]
l2events	1241115	Number of level 2 events

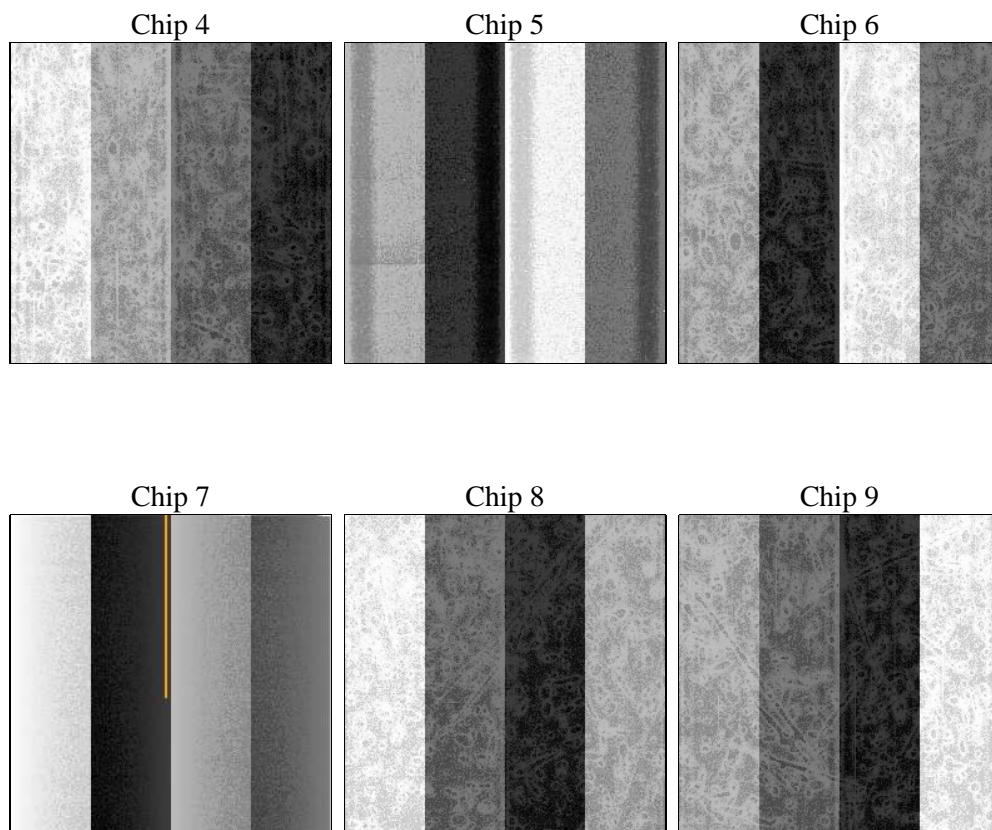
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	4066.1128970087	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	1667.8786760718	Sum of GTIs [s]
date	2012-08-27T18:59:48	Date and time of file creation	ontime5	4366.8747581244	Sum of GTIs [s]
revision	5	Processing version of data	ontime6	1846.0947059989	Sum of GTIs [s]
			ontime7	4066.1128970087	Sum of GTIs [s]
			ontime8	1829.971635893	Sum of GTIs [s]
			ontime9	1783.7836414129	Sum of GTIs [s]
			l1events	1416771	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	151474	363309	180471	375850	178876	166791	grade 0 events	76172	87370	89178	92137	89321	82845
rejected events	16356	33037	17067	21665	18082	16302		50%	24%	49%	24%	49%	49%
rejected %	10%	9%	9%	5%	10%	9%	grade 1 events	449	486	481	252	511	471
								0%	0%	0%	0%	0%	0%
							grade 2 events	23969	112010	28296	78994	28204	26606
								15%	30%	15%	21%	15%	15%
							grade 3 events	8504	23097	10136	36145	10044	9403
								5%	6%	5%	9%	5%	5%
							grade 4 events	8191	22896	10174	35982	10043	9269
								5%	6%	5%	9%	5%	5%
							grade 5 events	1057	6842	1342	4957	1424	1249
								0%	1%	0%	1%	0%	0%
							grade 6 events	18282	84899	25620	110927	23182	22366
								12%	23%	14%	29%	12%	13%
							grade 7 events	14850	25709	15244	16456	16147	14582
								9%	7%	8%	4%	9%	8%

## 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	12.38181295151696
[deg] Pointing Dec	0	-60.31989628945675
[deg] Pointing Roll	0.0	147.4174848956548
[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)	74238078.54000001	74238077.771975
Observation start date	2000-05-09T05:41:19	2000-05-09T05:41:17
[s] Observation end time (MET)	74315045.793	74315045.024803
Observation end date	2000-05-10T03:04:06	2000-05-10T03:04:05
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	0.000000	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)	2012.08.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.0661128970087

### A.2 Comments