

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58071 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 7 2012

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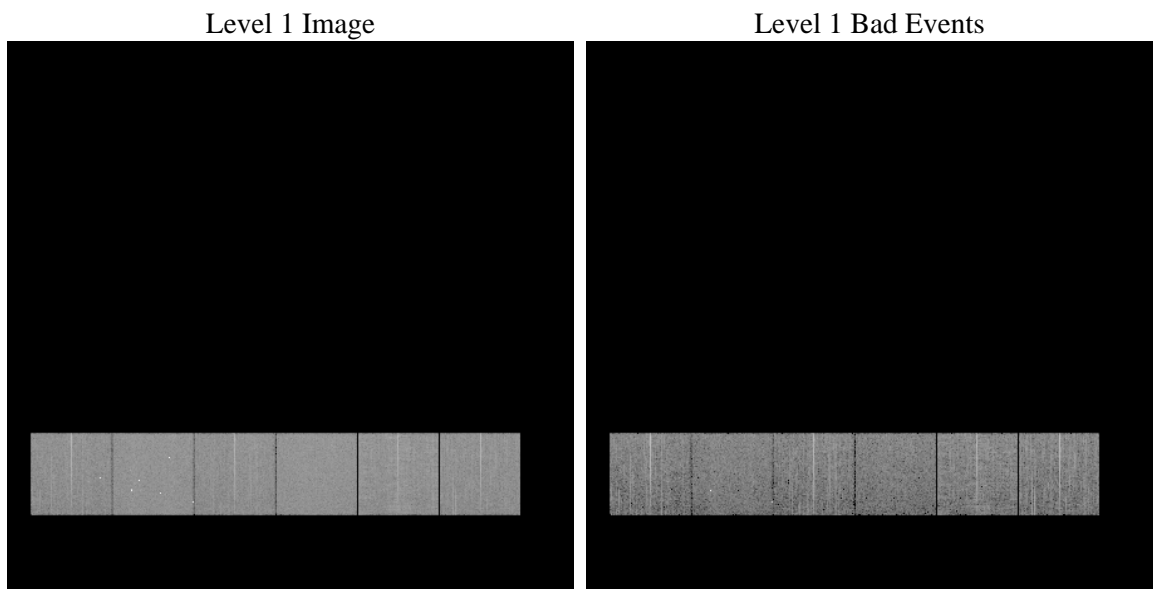
# 1 Front

seq_num	&#160	Sequence number
obs_id	58071	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	79.949055131072	Nominal RA [deg]
dec_nom	51.20278709709	Nominal Dec [deg]
roll_nom	185.44039076162	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4735.0564365387	Sum of GTIs [s]
livetime	4675.0983008306	Livetime [s]
ontime4	4734.9333165288	Sum of GTIs [s]
ontime5	4735.0153965354	Sum of GTIs [s]
ontime6	4734.9743565321	Sum of GTIs [s]
ontime7	4735.0564365387	Sum of GTIs [s]
ontime8	4734.8922765255	Sum of GTIs [s]
ontime9	4735.097476542	Sum of GTIs [s]
l2events	422147	Number of level 2 events

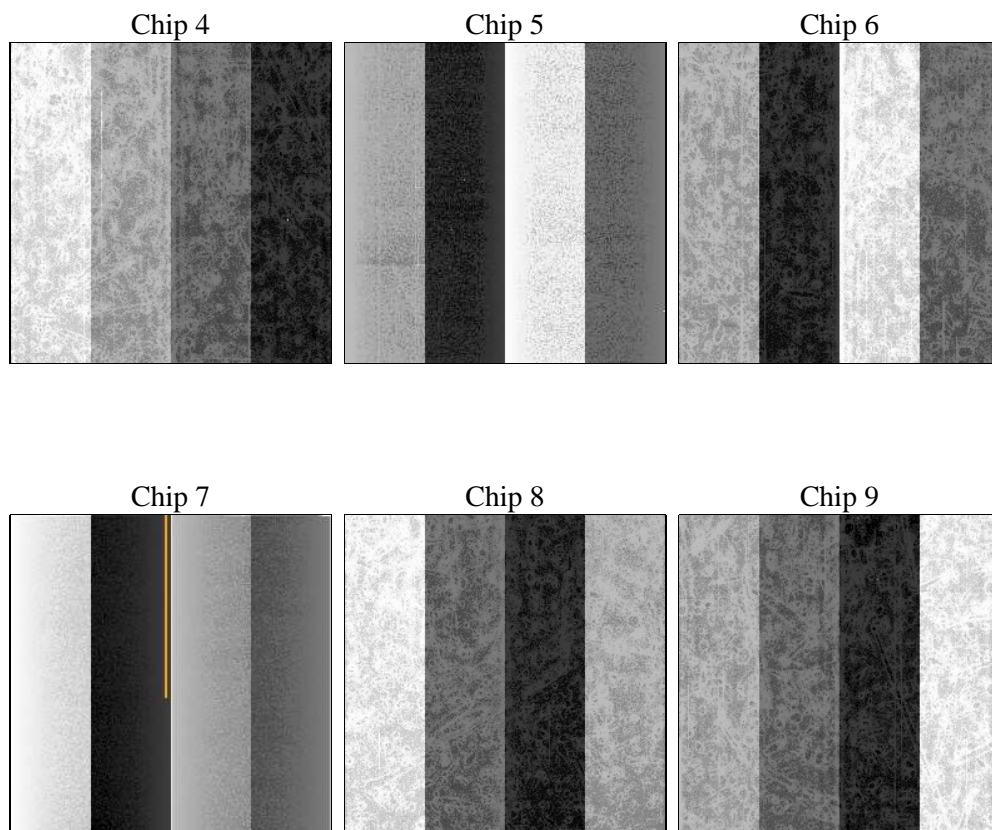
## 2 OBI

### 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	4735.0564365387	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	4734.9333165288	Sum of GTIs [s]
date	2012-05-07T03:55:32	Date and time of file creation	ontime5	4735.0153965354	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4734.9743565321	Sum of GTIs [s]
			ontime7	4735.0564365387	Sum of GTIs [s]
			ontime8	4734.8922765255	Sum of GTIs [s]
			ontime9	4735.097476542	Sum of GTIs [s]
			l1events	725584	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	112278	130531	114459	125564	127503	115249	grade 0 events	38925	18093	36799	18436	40060	36695
rejected events	45108	41668	44287	37814	49298	47056		34%	13%	32%	14%	31%	31%
rejected %	40%	31%	38%	30%	38%	40%	grade 1 events	390	234	240	91	244	283
								0%	0%	0%	0%	0%	0%
							grade 2 events	10279	31373	12390	18935	13968	11524
								9%	24%	10%	15%	10%	9%
							grade 3 events	4505	4269	4505	8317	5408	4352
								4%	3%	3%	6%	4%	3%
							grade 4 events	4560	4111	4376	8059	5245	4449
								4%	3%	3%	6%	4%	3%
							grade 5 events	2370	5978	2504	6237	3296	2751
								2%	4%	2%	4%	2%	2%
							grade 6 events	8901	31017	12102	34003	13524	11173
								7%	23%	10%	27%	10%	9%
							grade 7 events	42348	35456	41543	31486	45758	44022
								37%	27%	36%	25%	35%	38%

## 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	79.94905513107221
[deg] Pointing Dec	0	51.20278709708952
[deg] Pointing Roll	0.0	185.4403907616198
[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)	314132463.49764	314132462.47264
Observation start date	2007-12-15T19:01:03	2007-12-15T19:01:02
[s] Observation end time (MET)	314146553.148321	314146552.12332
Observation end date	2007-12-15T22:55:53	2007-12-15T22:55:52
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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.7350564365387

### A.2 Comments