

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58580 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 18 2012

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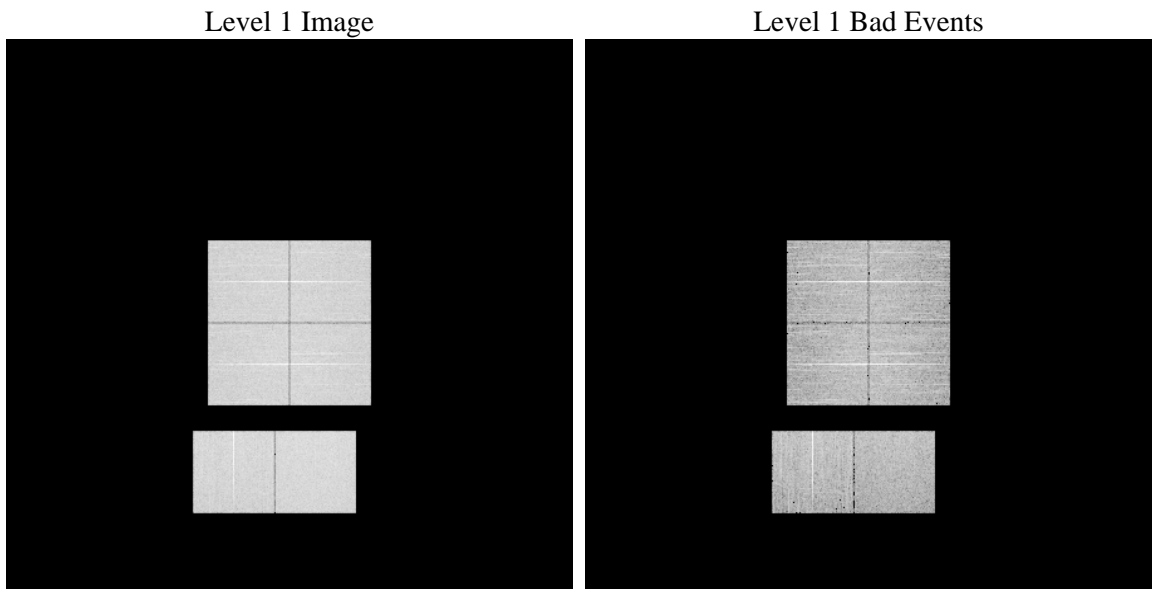
# 1 Front

seq_num	&#160	Sequence number
obs_id	58580	Observation id
title	ACIS-012367 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	137.99920930558	Nominal RA [deg]
dec_nom	8.42868580153	Nominal Dec [deg]
roll_nom	58.627890581869	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6862.5055676103	Sum of GTIs [s]
livetime	6775.6083900084	Livetime [s]
ontime0	6862.464527607	Sum of GTIs [s]
ontime1	6862.4234876037	Sum of GTIs [s]
ontime2	6862.3824476004	Sum of GTIs [s]
ontime3	6862.5466076136	Sum of GTIs [s]
ontime6	6862.3414075971	Sum of GTIs [s]
ontime7	6862.5055676103	Sum of GTIs [s]
l2events	659657	Number of level 2 events

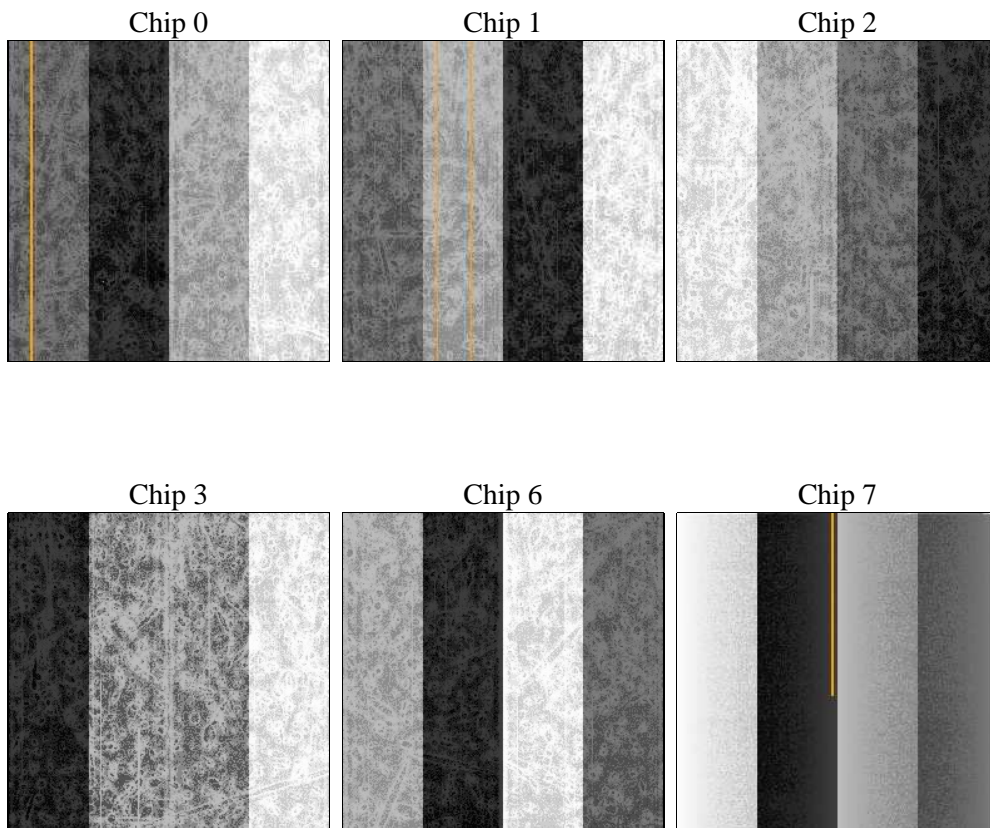
## 2 OBI

### 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	6862.5055676103	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	6862.464527607	Sum of GTIs [s]
date	2012-04-18T12:56:14	Date and time of file creation	ontime1	6862.4234876037	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	6862.3824476004	Sum of GTIs [s]
			ontime3	6862.5466076136	Sum of GTIs [s]
			ontime6	6862.3414075971	Sum of GTIs [s]
			ontime7	6862.5055676103	Sum of GTIs [s]
			l1events	1042560	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	168551	166157	169487	171060	177328	189977	grade 0 events	59913	59186	61706	62288	61663	29869
rejected events	58539	56119	59164	59671	62302	52011		35%	35%	36%	36%	34%	15%
rejected %	34%	33%	34%	34%	35%	27%	grade 1 events	396	346	439	424	321	123
								0%	0%	0%	0%	0%	0%
							grade 2 events	19502	20186	18230	18946	20313	30238
								11%	12%	10%	11%	11%	15%
							grade 3 events	7169	7149	7395	7554	7112	13292
								4%	4%	4%	4%	4%	6%
							grade 4 events	7118	7141	7270	7322	7218	13279
								4%	4%	4%	4%	4%	6%
							grade 5 events	3139	3459	2923	3580	3479	8659
								1%	2%	1%	2%	1%	4%
							grade 6 events	16394	16437	15774	15325	18767	51357
								9%	9%	9%	8%	10%	27%
							grade 7 events	54920	52253	55750	55621	58455	43160
								32%	31%	32%	32%	32%	22%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	137.999209305583
[deg] Pointing Dec	0	8.42868580153004
[deg] Pointing Roll	0.0	58.62789058186928
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	284882775.097059	284882774.07206
Observation start date	2007-01-11T06:06:15	2007-01-11T06:06:14
[s] Observation end time (MET)	284900187.797884	284900186.77288
Observation end date	2007-01-11T10:56:28	2007-01-11T10:56:26
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	6.8625055676103

### A.2 Comments