

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 55898 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jul 6 2012

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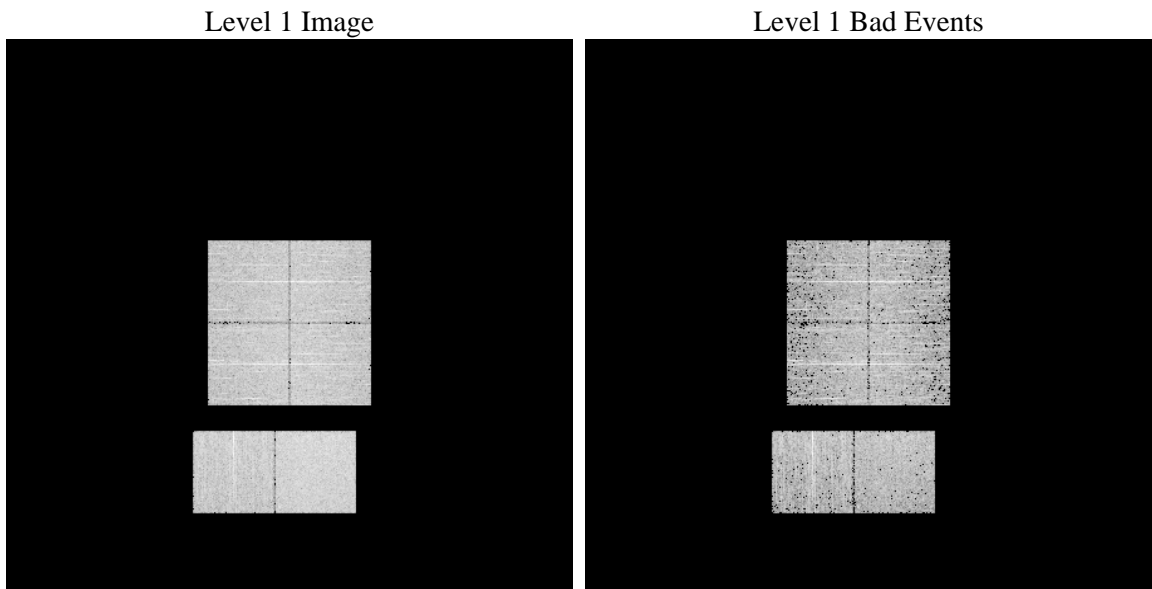
# 1 Front

seq_num	&#160	Sequence number
obs_id	55898	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	26.589015034254	Nominal RA [deg]
dec_nom	36.472537316874	Nominal Dec [deg]
roll_nom	219.24891596484	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3283.1999878287	Sum of GTIs [s]
livetime	3241.6261326772	Livetime [s]
ontime0	3283.1999878287	Sum of GTIs [s]
ontime1	3283.1999878287	Sum of GTIs [s]
ontime2	3283.1999878287	Sum of GTIs [s]
ontime3	3279.9589875937	Sum of GTIs [s]
ontime6	3283.1999878287	Sum of GTIs [s]
ontime7	3283.1999878287	Sum of GTIs [s]
l2events	146102	Number of level 2 events

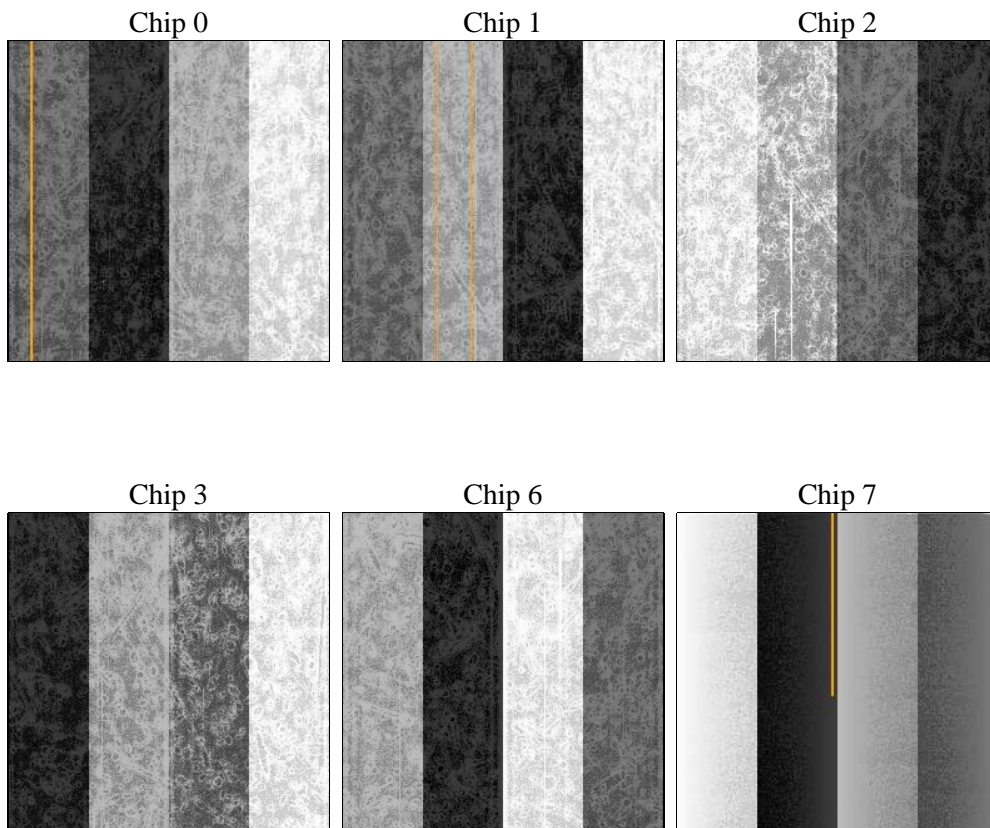
## 2 OBI

### 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	3283.1999878287	Sum of GTIs [s]
caldbver	4.5.0	&#160	ontime0	3283.1999878287	Sum of GTIs [s]
date	2012-07-06T13:39:54	Date and time of file creation	ontime1	3283.1999878287	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3283.1999878287	Sum of GTIs [s]
			ontime3	3279.9589875937	Sum of GTIs [s]
			ontime6	3283.1999878287	Sum of GTIs [s]
			ontime7	3283.1999878287	Sum of GTIs [s]
			l1events	303621	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	45150	47176	48191	49887	50582	62635	grade 0 events	12257	12088	12729	12726	12488	6529
rejected events	21945	23642	24866	26456	26506	25704		27%	25%	26%	25%	24%	10%
rejected %	48%	50%	51%	53%	52%	41%	grade 1 events	73	68	88	88	77	55
								0%	0%	0%	0%	0%	0%
							grade 2 events	4178	4639	4031	4045	4353	8060
								9%	9%	8%	8%	8%	12%
							grade 3 events	1533	1530	1544	1597	1640	3349
								3%	3%	3%	3%	3%	5%
							grade 4 events	1576	1564	1618	1578	1560	3303
								3%	3%	3%	3%	3%	5%
							grade 5 events	1450	1505	1463	1695	1620	4096
								3%	3%	3%	3%	3%	6%
							grade 6 events	3681	3733	3426	3506	4065	15723
								8%	7%	7%	7%	8%	25%
							grade 7 events	20402	22049	23292	24652	24779	21520
								45%	46%	48%	49%	48%	34%

## 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	26.58901503425443
[deg] Pointing Dec	0	36.47253731687414
[deg] Pointing Roll	0.0	219.2489159648358
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	405530776.36792	405530775.3429
Observation start date	2010-11-07T15:26:16	2010-11-07T15:26:15
[s] Observation end time (MET)	405535688.168173	405535687.14316
Observation end date	2010-11-07T16:48:08	2010-11-07T16:48:07
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
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)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2831999878287

### A.2 Comments