

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58500 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 21 2012

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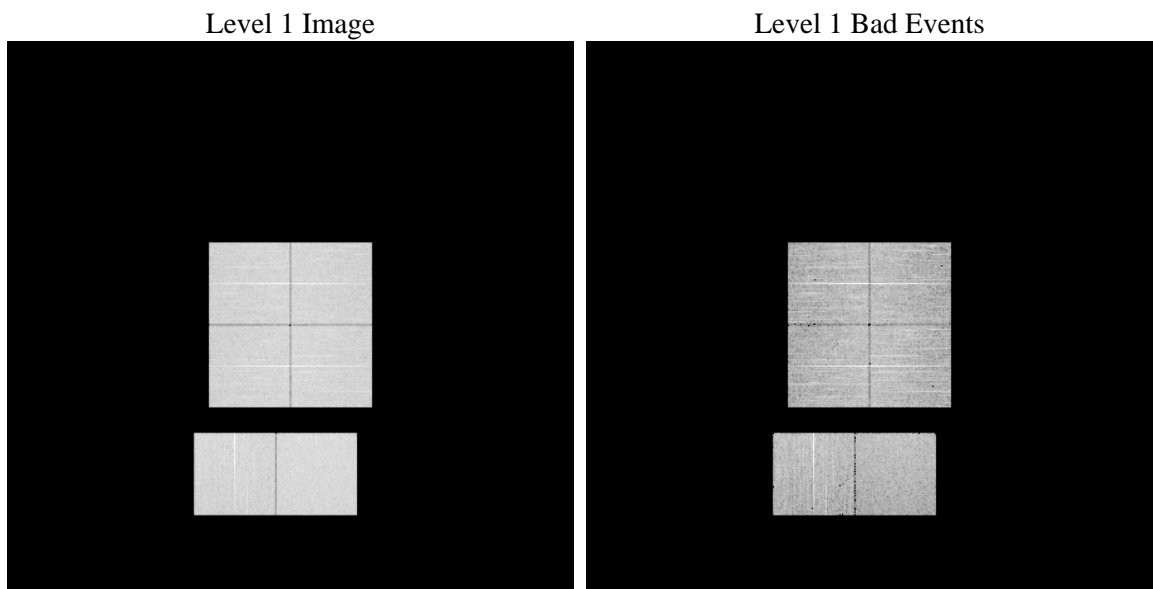
# 1 Front

seq_num	&#160	Sequence number
obs_id	58500	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	186.51081796093	Nominal RA [deg]
dec_nom	-18.973182064865	Nominal Dec [deg]
roll_nom	36.237404057636	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6643.1999753118	Sum of GTIs [s]
livetime	6559.0797771696	Livetime [s]
ontime0	6643.1999753118	Sum of GTIs [s]
ontime1	6643.1999753118	Sum of GTIs [s]
ontime2	6643.1999753118	Sum of GTIs [s]
ontime3	6643.1999753118	Sum of GTIs [s]
ontime6	6643.1999753118	Sum of GTIs [s]
ontime7	6643.1999753118	Sum of GTIs [s]
l2events	628764	Number of level 2 events

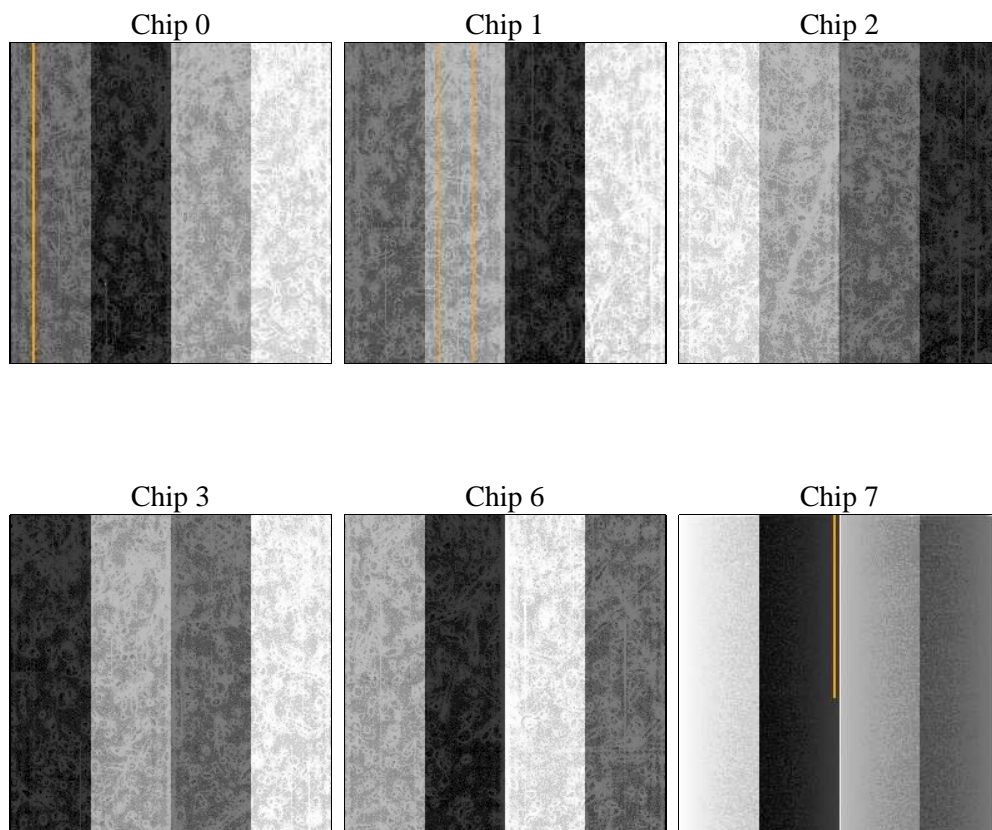
## 2 OBI

### 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	6643.1999753118	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	6643.1999753118	Sum of GTIs [s]
date	2012-04-21T10:51:30	Date and time of file creation	ontime1	6643.1999753118	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	6643.1999753118	Sum of GTIs [s]
			ontime3	6643.1999753118	Sum of GTIs [s]
			ontime6	6643.1999753118	Sum of GTIs [s]
			ontime7	6643.1999753118	Sum of GTIs [s]
			l1events	995049	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	160068	157790	161682	166147	166991	182371	grade 0 events	57018	56007	57869	58233	58156	28706
rejected events	55258	52777	56718	60377	57664	49537		35%	35%	35%	35%	34%	15%
rejected %	34%	33%	35%	36%	34%	27%	grade 1 events	381	361	437	446	361	123
								0%	0%	0%	0%	0%	0%
							grade 2 events	18514	19369	18066	18520	19086	29162
								11%	12%	11%	11%	11%	15%
							grade 3 events	6909	6862	7068	6981	7055	12762
								4%	4%	4%	4%	4%	6%
							grade 4 events	7015	6848	6962	7081	6910	12678
								4%	4%	4%	4%	4%	6%
							grade 5 events	3066	3220	3021	3319	3361	8200
								1%	2%	1%	1%	2%	4%
							grade 6 events	15404	15972	15038	15019	18167	49579
								9%	10%	9%	9%	10%	27%
							grade 7 events	51761	49151	53221	56548	53895	41161
								32%	31%	32%	34%	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	186.5108179609338
[deg] Pointing Dec	0	-18.97318206486549
[deg] Pointing Roll	0.0	36.23740405763616
[mm] SIM focus pos	-0.782348	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	289911527.835786	289911526.81079
Observation start date	2007-03-10T10:58:48	2007-03-10T10:58:46
[s] Observation end time (MET)	289926535.8865	289926534.8615
Observation end date	2007-03-10T15:08:56	2007-03-10T15:08:54
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.6431999753118

### A.2 Comments