

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58490 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Apr 21 2012

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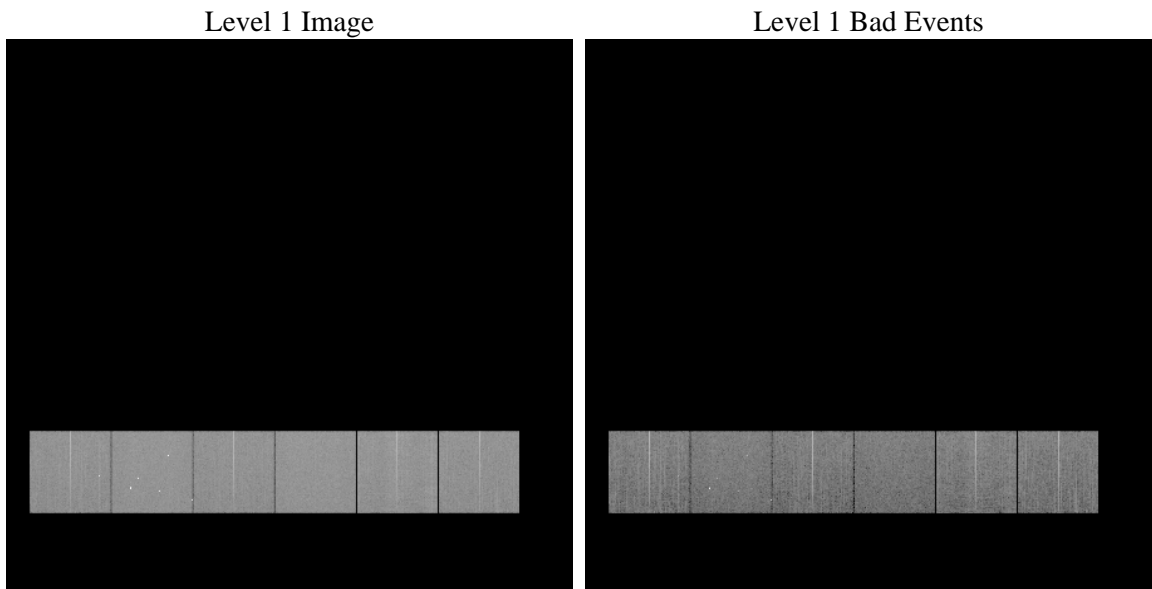
# 1 Front

seq_num	&#160	Sequence number
obs_id	58490	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	166.39418637413	Nominal RA [deg]
dec_nom	33.525171362695	Nominal Dec [deg]
roll_nom	188.90425302606	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7801.5999709964	Sum of GTIs [s]
livetime	7702.8114146041	Livetime [s]
ontime4	7801.5999709964	Sum of GTIs [s]
ontime5	7801.5999709964	Sum of GTIs [s]
ontime6	7801.5999709964	Sum of GTIs [s]
ontime7	7801.5999709964	Sum of GTIs [s]
ontime8	7801.5999709964	Sum of GTIs [s]
ontime9	7801.5999709964	Sum of GTIs [s]
l2events	747025	Number of level 2 events

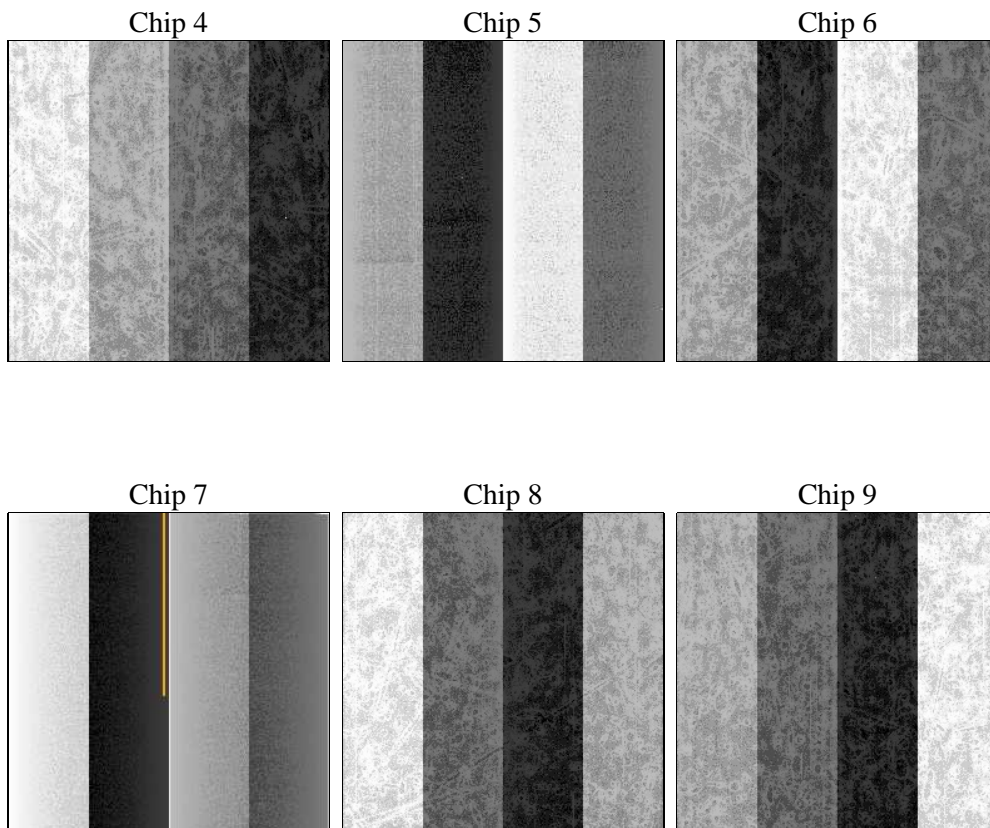
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	960	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7801.5999709964	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7801.5999709964	Sum of GTIs [s]
date	2012-04-21T14:12:34	Date and time of file creation	ontime5	7801.5999709964	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7801.5999709964	Sum of GTIs [s]
			ontime7	7801.5999709964	Sum of GTIs [s]
			ontime8	7801.5999709964	Sum of GTIs [s]
			ontime9	7801.5999709964	Sum of GTIs [s]
			l1events	1301601	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	207027	231247	205595	225081	226796	205855	grade 0 events	72489	32718	71308	35101	75754	70490
rejected events	88257	80701	79497	71388	89402	83707		35%	14%	34%	15%	33%	34%
rejected %	42%	34%	38%	31%	39%	40%	grade 1 events	707	588	438	164	509	500
								0%	0%	0%	0%	0%	0%
							grade 2 events	20000	56289	23623	35654	26323	22580
								9%	24%	11%	15%	11%	10%
							grade 3 events	8796	8017	8577	15771	10201	8518
								4%	3%	4%	7%	4%	4%
							grade 4 events	8625	7768	8528	15750	9961	8445
								4%	3%	4%	6%	4%	4%
							grade 5 events	4193	10585	4313	10444	5412	4871
								2%	4%	2%	4%	2%	2%
							grade 6 events	16156	55236	21731	60808	23331	19517
								7%	23%	10%	27%	10%	9%
							grade 7 events	76061	60046	67077	51389	75305	70934
								36%	25%	32%	22%	33%	34%

## 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	166.3943071755202	166.3941863741292
[deg] Pointing Dec	33.52524337292873	33.52517136269545
[deg] Pointing Roll	188.9041859245804	188.9042530260603
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	289962917.23823	289962917.23823
Observation start date	2007-03-11T01:22:00	2007-03-11T01:15:17
[s] Observation end time (MET)	289971296.108368	289971296.108368
Observation end date	2007-03-11T01:38:00	2007-03-11T03:34:56
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8015999709964

### A.2 Comments