

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58666 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 14 2012

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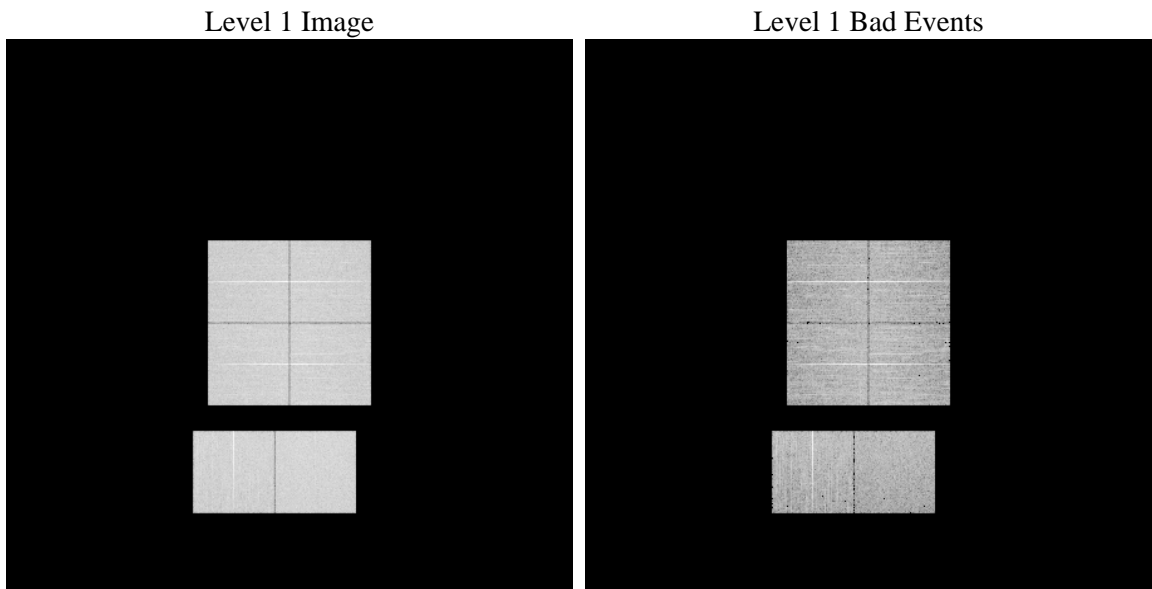
# 1 Front

seq_num	&#160	Sequence number
obs_id	58666	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	35.116824065418	Nominal RA [deg]
dec_nom	19.977591023609	Nominal Dec [deg]
roll_nom	278.68614694054	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6724.5435202122	Sum of GTIs [s]
livetime	6639.3933011253	Livetime [s]
ontime0	6724.5845402479	Sum of GTIs [s]
ontime1	6724.6255603433	Sum of GTIs [s]
ontime2	6726.3999750018	Sum of GTIs [s]
ontime3	6724.5024602413	Sum of GTIs [s]
ontime6	6726.3999750018	Sum of GTIs [s]
ontime7	6724.5435202122	Sum of GTIs [s]
l2events	663090	Number of level 2 events

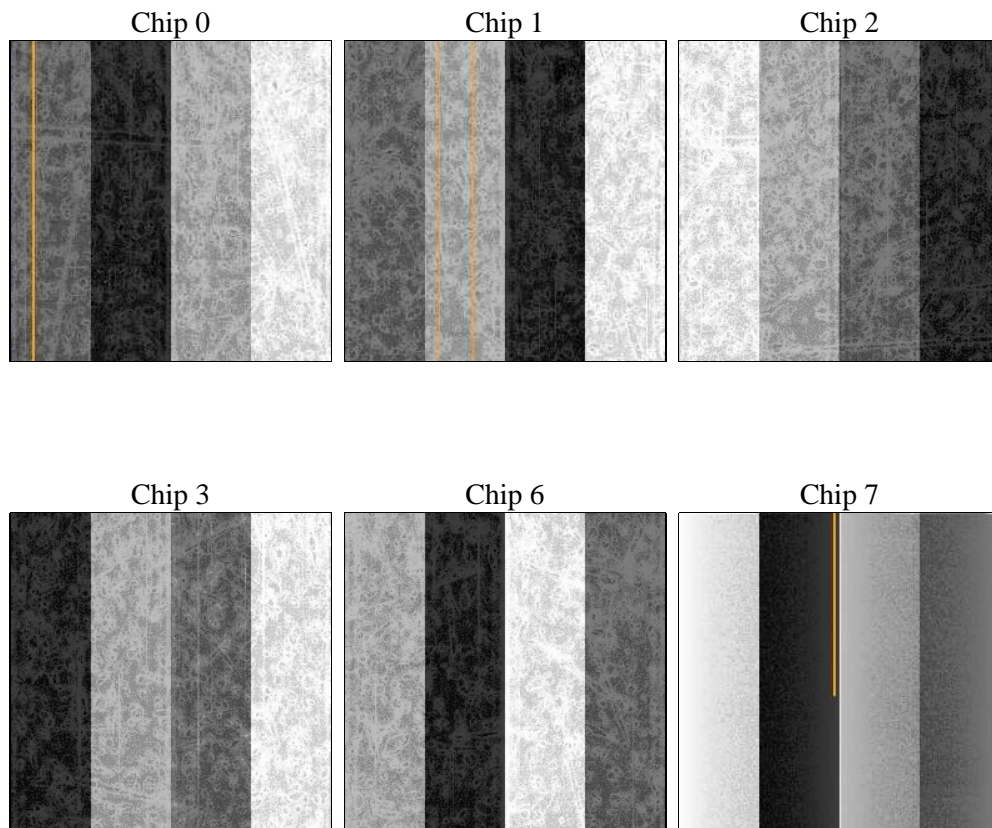
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	6724.5435202122	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	6724.5845402479	Sum of GTIs [s]
date	2012-04-14T08:01:26	Date and time of file creation	ontime1	6724.6255603433	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	6726.3999750018	Sum of GTIs [s]
			ontime3	6724.5024602413	Sum of GTIs [s]
			ontime6	6726.3999750018	Sum of GTIs [s]
			ontime7	6724.5435202122	Sum of GTIs [s]
			l1events	1032816	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	163559	164376	169888	172685	175730	186578	grade 0 events	60091	59914	62270	62669	62612	30120
rejected events	53432	53575	58139	60615	59418	49038		36%	36%	36%	36%	35%	16%
rejected %	32%	32%	34%	35%	33%	26%	grade 1 events	402	327	440	449	334	132
								0%	0%	0%	0%	0%	0%
							grade 2 events	19306	20125	18779	18937	20461	30159
								11%	12%	11%	10%	11%	16%
							grade 3 events	7126	7036	7344	7381	7167	13181
								4%	4%	4%	4%	4%	7%
							grade 4 events	7288	7066	7523	7459	7314	13308
								4%	4%	4%	4%	4%	7%
							grade 5 events	2997	3147	2880	3507	3401	8271
								1%	1%	1%	2%	1%	4%
							grade 6 events	16316	16660	15833	15624	18758	50772
								9%	10%	9%	9%	10%	27%
							grade 7 events	50033	50101	54819	56659	55683	40635
								30%	30%	32%	32%	31%	21%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	35.11682406541803	Alternating exposures requested	N	N
[deg] Pointing Dec	0	19.97759102360943	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	278.686146940543			
[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)	281228151.774092	281228150.74909			
Observation start date	2006-11-29T22:55:52	2006-11-29T22:55:50			
[s] Observation end time (MET)	281246222.524945	281246221.49995			
Observation end date	2006-11-30T03:57:03	2006-11-30T03:57:01			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.7245435202122

### A.2 Comments