

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58875 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 5 2012

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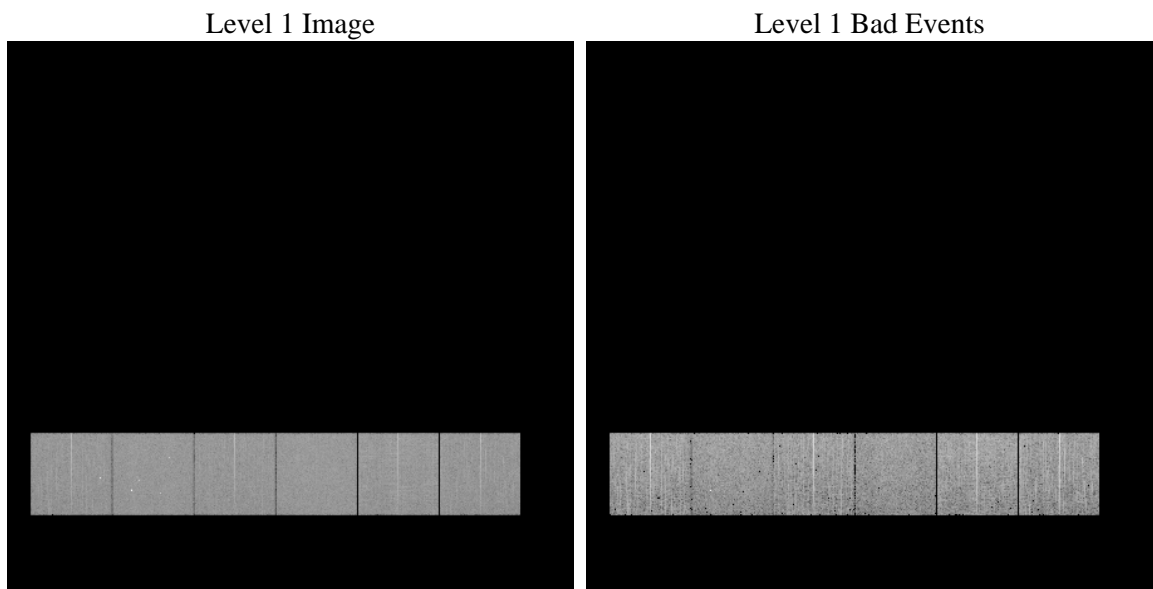
# 1 Front

seq_num	&#160	Sequence number
obs_id	58875	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	290.47628870428	Nominal RA [deg]
dec_nom	13.375981825166	Nominal Dec [deg]
roll_nom	191.03986633468	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4732.5423832536	Sum of GTIs [s]
livetime	4672.6160820019	Livetime [s]
ontime4	4732.4192632437	Sum of GTIs [s]
ontime5	4732.5013432503	Sum of GTIs [s]
ontime6	4732.460303247	Sum of GTIs [s]
ontime7	4732.5423832536	Sum of GTIs [s]
ontime8	4732.3782232404	Sum of GTIs [s]
ontime9	4732.5834232569	Sum of GTIs [s]
l2events	520053	Number of level 2 events

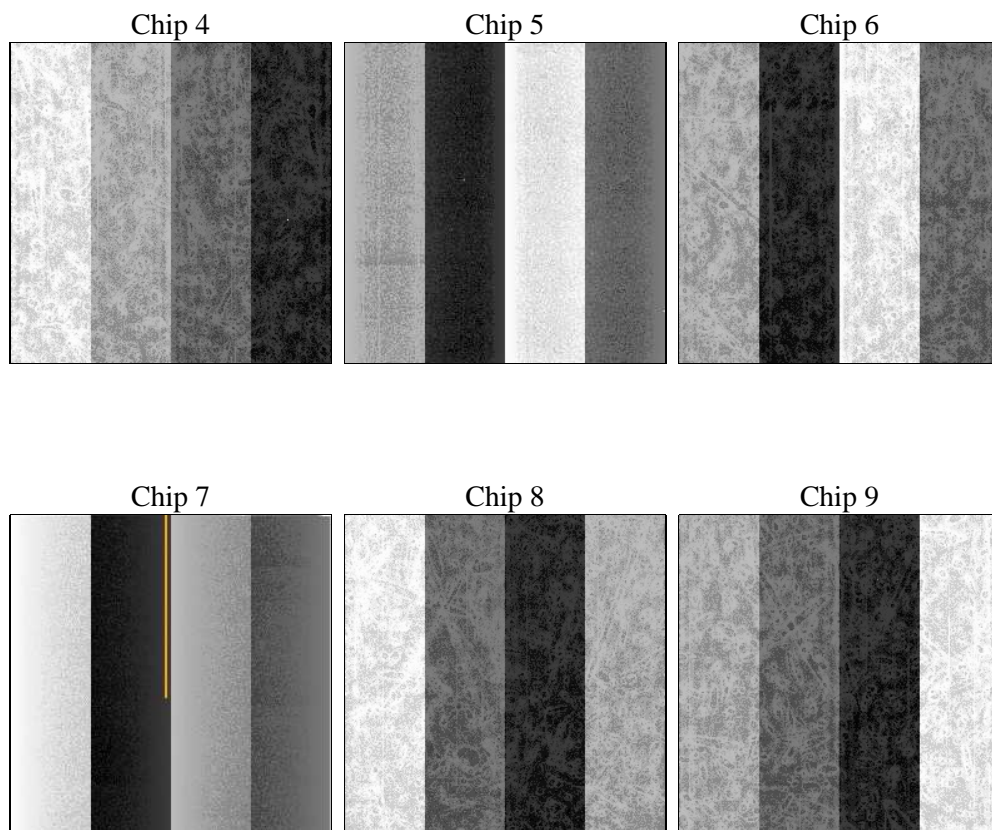
## 2 OBI

### 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	4732.5423832536	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	4732.4192632437	Sum of GTIs [s]
date	2012-04-05T13:00:32	Date and time of file creation	ontime5	4732.5013432503	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4732.460303247	Sum of GTIs [s]
			ontime7	4732.5423832536	Sum of GTIs [s]
			ontime8	4732.3782232404	Sum of GTIs [s]
			ontime9	4732.5834232569	Sum of GTIs [s]
			l1events	806213	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	129757	135299	131905	138886	140906	129460	grade 0 events	48929	19020	48319	23334	50702	47302
rejected events	45672	37782	41862	34867	45475	42830		37%	14%	36%	16%	35%	36%
rejected %	35%	27%	31%	25%	32%	33%	grade 1 events	458	462	266	109	296	291
								0%	0%	0%	0%	0%	0%
							grade 2 events	13075	35046	15846	22635	16894	14880
								10%	25%	12%	16%	11%	11%
							grade 3 events	5674	5251	5745	10288	6361	5761
								4%	3%	4%	7%	4%	4%
							grade 4 events	5651	5216	5696	10172	6490	5627
								4%	3%	4%	7%	4%	4%
							grade 5 events	2342	5404	2453	6029	3063	2653
								1%	3%	1%	4%	2%	2%
							grade 6 events	10806	33059	14499	37657	15049	13123
								8%	24%	10%	27%	10%	10%
							grade 7 events	42822	31841	39081	28662	42051	39823
								33%	23%	29%	20%	29%	30%

## 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	0	290.4762887042793
[deg] Pointing Dec	0	13.37598182516581
[deg] Pointing Roll	0.0	191.0398663346806
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	269578405.07589	269578404.05084
Observation start date	2006-07-18T02:53:25	2006-07-18T02:53:24
[s] Observation end time (MET)	269592115.476533	269592114.45148
Observation end date	2006-07-18T06:41:55	2006-07-18T06:41:54
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)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.7325423832536

### A.2 Comments