

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58848 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 6 2012

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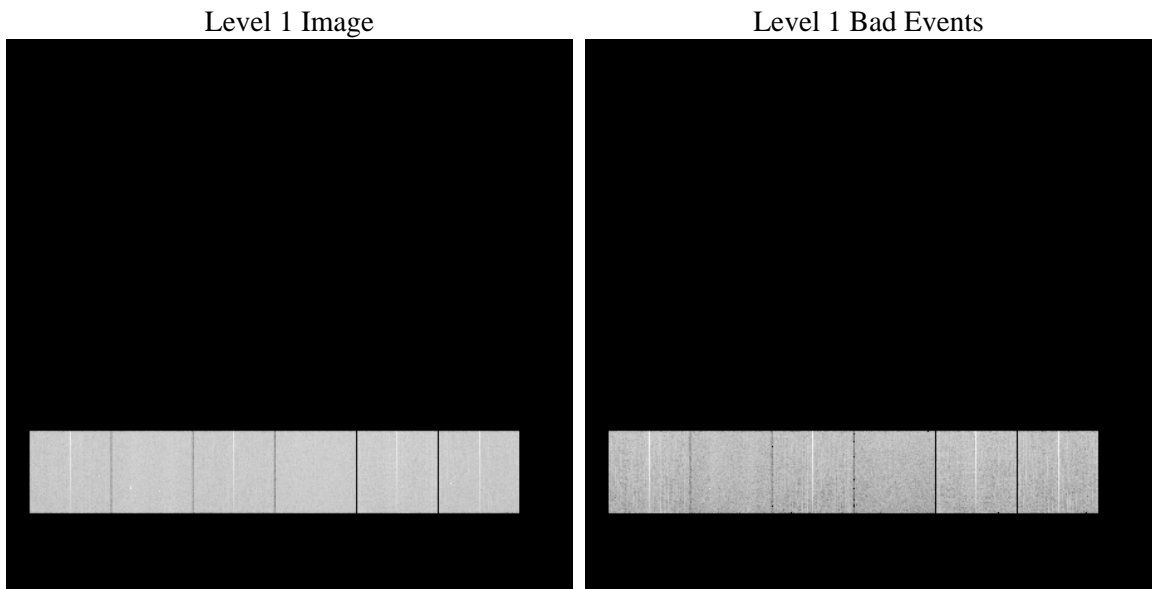
# 1 Front

seq_num	&#160	Sequence number
obs_id	58848	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	345.98408421709	Nominal RA [deg]
dec_nom	-19.97560181118	Nominal Dec [deg]
roll_nom	88.632013122366	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8227.1999694109	Sum of GTIs [s]
livetime	8123.0222095731	Livetime [s]
ontime4	8227.1999694109	Sum of GTIs [s]
ontime5	8227.1999694109	Sum of GTIs [s]
ontime6	8227.1999694109	Sum of GTIs [s]
ontime7	8227.1999694109	Sum of GTIs [s]
ontime8	8227.1999694109	Sum of GTIs [s]
ontime9	8227.1999694109	Sum of GTIs [s]
l2events	876715	Number of level 2 events

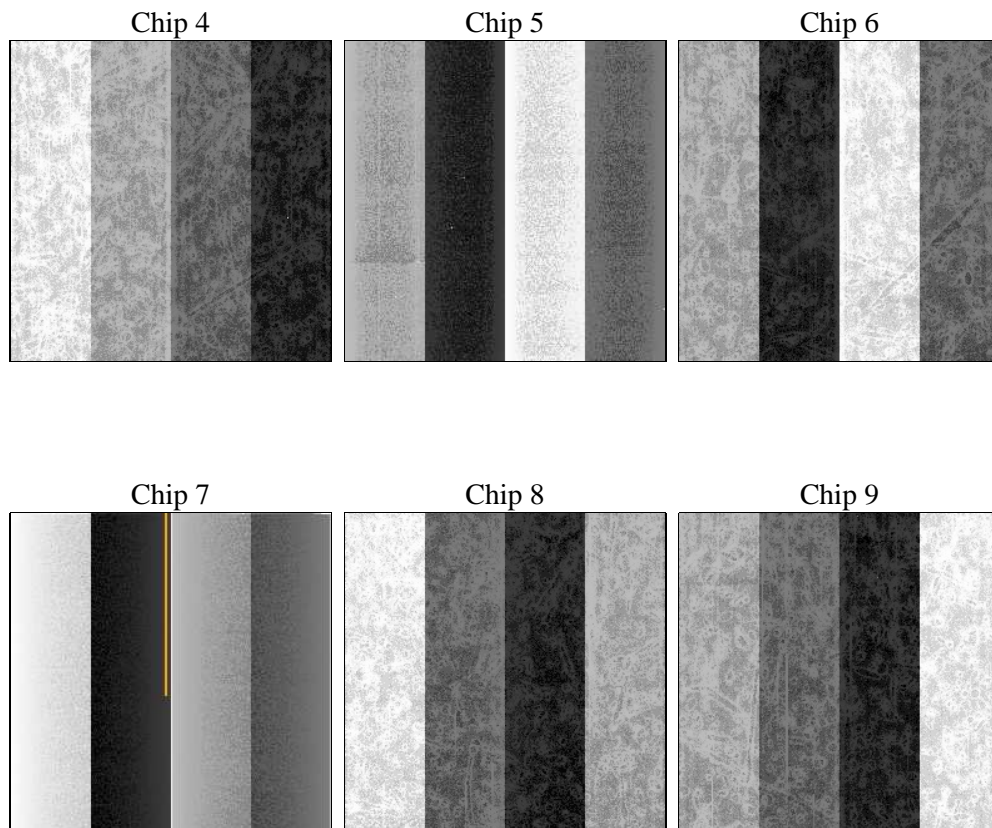
## 2 OBI

### 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	8227.1999694109	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8227.1999694109	Sum of GTIs [s]
date	2012-04-06T20:03:13	Date and time of file creation	ontime5	8227.1999694109	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8227.1999694109	Sum of GTIs [s]
			ontime7	8227.1999694109	Sum of GTIs [s]
			ontime8	8227.1999694109	Sum of GTIs [s]
			ontime9	8227.1999694109	Sum of GTIs [s]
			l1events	1388794	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	221803	233920	226021	240140	243933	222977	grade 0 events	82686	24055	79989	38333	86501	80711
rejected events	82279	70667	75886	63617	81993	77320		37%	10%	35%	15%	35%	36%
rejected %	37%	30%	33%	26%	33%	34%	grade 1 events	816	254	400	160	544	568
								0%	0%	0%	0%	0%	0%
							grade 2 events	20327	65140	27701	39189	28719	24387
								9%	27%	12%	16%	11%	10%
							grade 3 events	9820	7349	9203	16914	10928	9479
								4%	3%	4%	7%	4%	4%
							grade 4 events	9629	6807	9104	16455	10921	9567
								4%	2%	4%	6%	4%	4%
							grade 5 events	4051	8837	4183	9976	5177	4703
								1%	3%	1%	4%	2%	2%
							grade 6 events	17798	60797	24999	66570	25846	22378
								8%	25%	11%	27%	10%	10%
							grade 7 events	76676	60681	70442	52543	75297	71184
								34%	25%	31%	21%	30%	31%

## 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	345.9840842170883
[deg] Pointing Dec	0	-19.97560181118039
[deg] Pointing Roll	0.0	88.63201312236592
[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)	271220317.802833	271220316.7778
Observation start date	2006-08-06T02:58:38	2006-08-06T02:58:36
[s] Observation end time (MET)	271241627.553835	271241626.52879
Observation end date	2006-08-06T08:53:48	2006-08-06T08:53:46
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2271999694109

### **A.2 Comments**