

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 62261 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 26 2009

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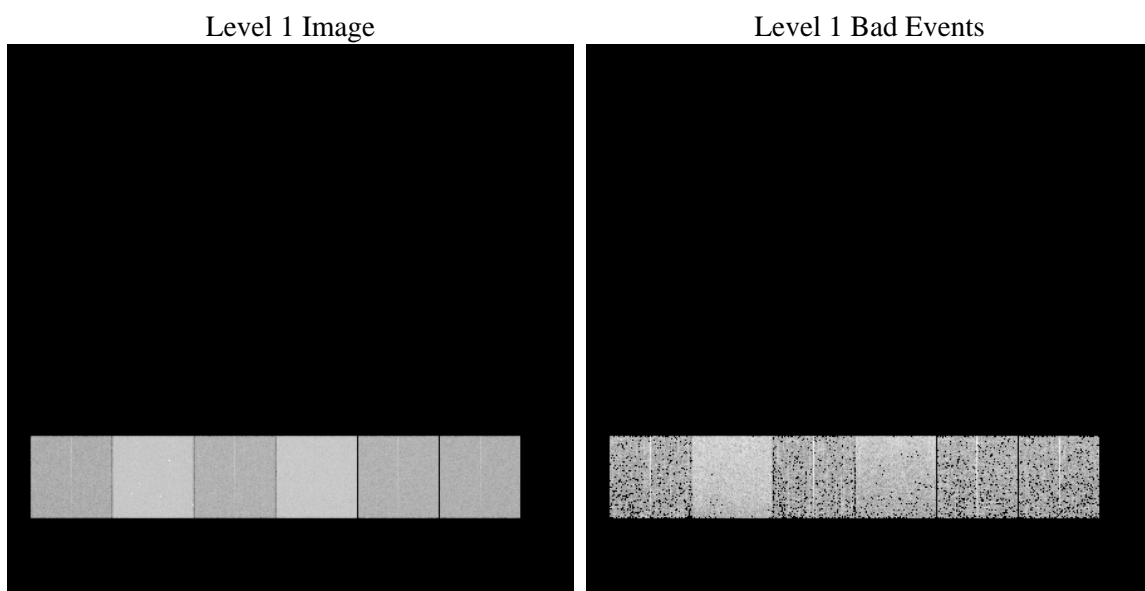
# 1 Front

seq_num	&#160	Sequence number
obs_id	62261	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
dec_targ	0.0	Observer's specified target Dec
ra_nom	108.04643275075	Nominal RA
dec_nom	-65.177558975509	Nominal Dec
roll_nom	17.89805250269	Nominal Roll
revision	4	Processing version of data
ontime	2793.64755743	Sum of GTIs [s]
livetime	2758.2727099252	Livetime [s]
ontime4	1076.0239055157	Sum of GTIs [s]
ontime5	2978.4243466929	Sum of GTIs [s]
ontime6	1199.4799803197	Sum of GTIs [s]
ontime7	2793.64755743	Sum of GTIs [s]
ontime8	1205.6655057669	Sum of GTIs [s]
ontime9	1150.4043713138	Sum of GTIs [s]
l2events	938643	Number of level 2 events

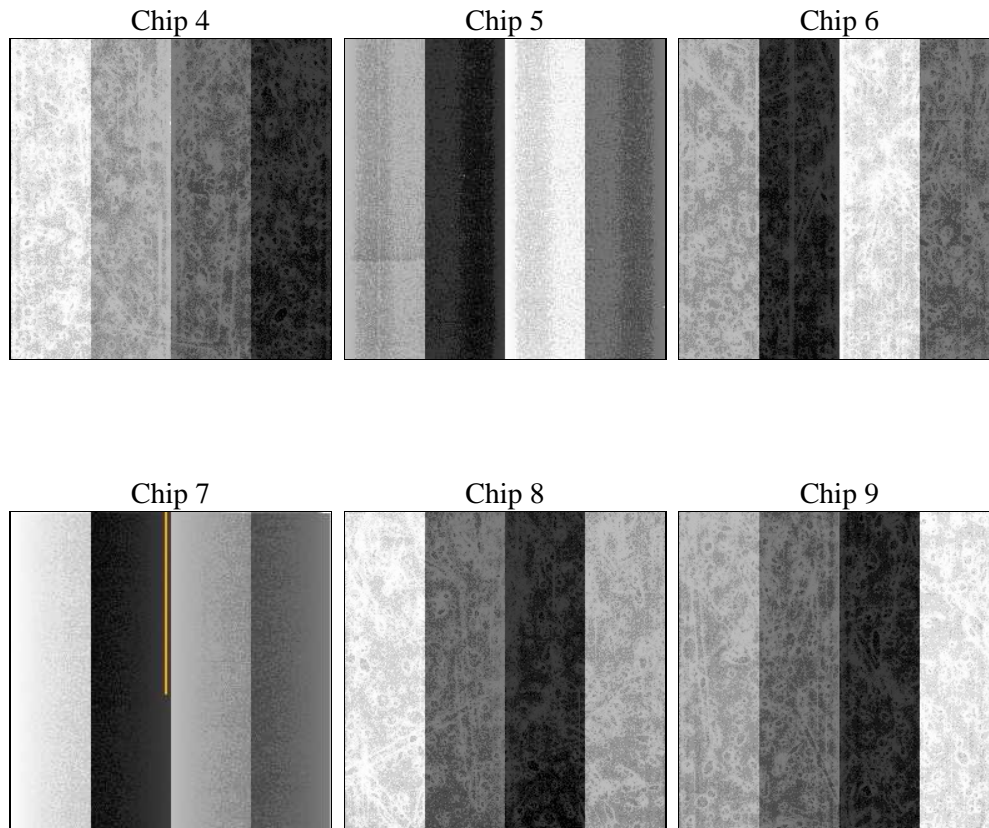
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number		
ascdsver	8.1.1	ASCDS version number	sched_exp_time	0.0
caldsver	4.1.4	&#160		
date	2009-11-26T09:57:05	Date and time of file creation	ontime	2793.64755743
revision	3	Processing version of data	ontime4	1076.0239055157
			ontime5	2978.4243466929
			ontime6	1199.4799803197
			ontime7	2793.64755743
			ontime8	1205.6655057669
			ontime9	1150.4043713138
			l1events	1066333

### 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	110573	281312	132143	290091	131468	120746	grade 0 events	51673	39980	62314	55886	62811	57431
rejected events	13818	31895	14490	22465	14711	13549		46%	14%	47%	19%	47%	47%
rejected %	12%	11%	10%	7%	11%	11%	grade 1 events	296	121	291	148	311	301
								0%	0%	0%	0%	0%	0%
							grade 2 events	19769	111948	22198	75060	21922	20139
								17%	39%	16%	25%	16%	16%
							grade 3 events	5681	11019	6966	22443	7026	6495
								5%	3%	5%	7%	5%	5%
							grade 4 events	5513	10971	6943	21813	7166	6363
								4%	3%	5%	7%	5%	5%
							grade 5 events	862	4330	962	3766	1064	949
								0%	1%	0%	1%	0%	0%
							grade 6 events	14119	75499	19568	92424	17832	16769
								12%	26%	14%	31%	13%	13%
							grade 7 events	12660	27444	12901	18551	13336	12299
								11%	9%	9%	6%	10%	10%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	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
Pointing RA	0	108.046432750747	Alternating exposures requested	N	N
Pointing Dec	0	-65.17755897550879	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	17.89805250269032			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	62130819.045	62130818.276284			
Observation start date	1999-12-21T02:33:39	1999-12-21T02:33:38			
Observation end time	62171999.446	62171998.677776			
Observation end date	1999-12-21T13:59:59	1999-12-21T13:59:58			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.79364755743

## A.2 Comments

Test to lower ACIS focal plane temperature as far as possible without turning off heaters. The focal plane temperature cooled to -122.9 C although the goal was -125 C.