

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 60745 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Aug 12 2006

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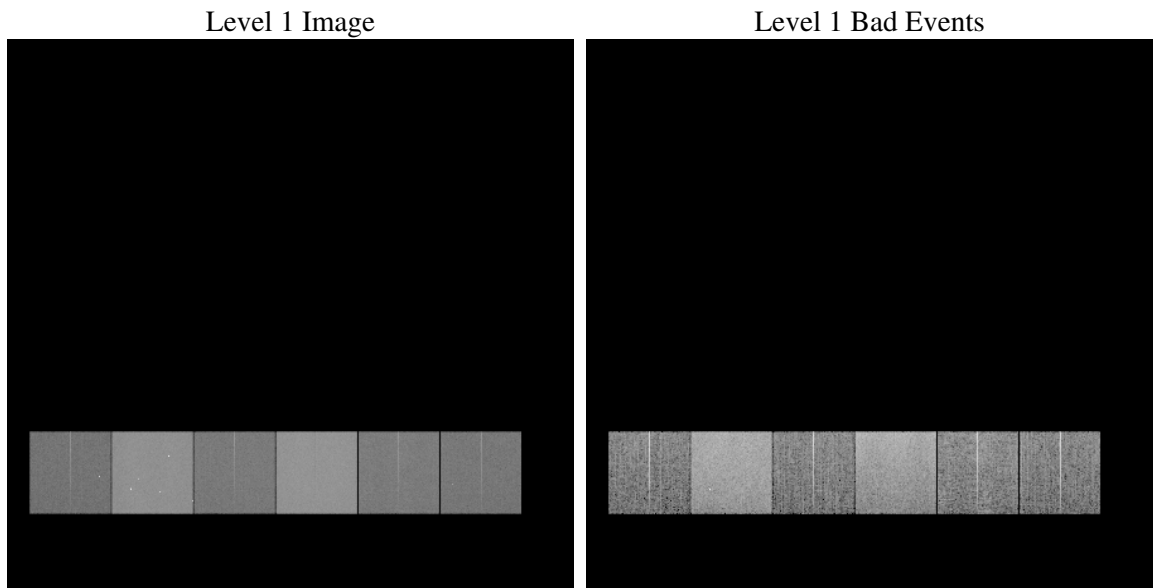
# 1 Front

seq_num	&#160
obs_id	60745
title	ACIS-456789 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	&#160
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	256.62949705524
dec_nom	-68.273584555269
roll_nom	34.662132681676
revision	2
ontime	14991.99994415
livetime	14802.162213759
ontime4	6475.0363095105
ontime5	14991.99994415
ontime6	7226.9079905152
ontime7	14991.99994415
ontime8	7427.5613695383
ontime9	6986.9517959654
l2events	2189126

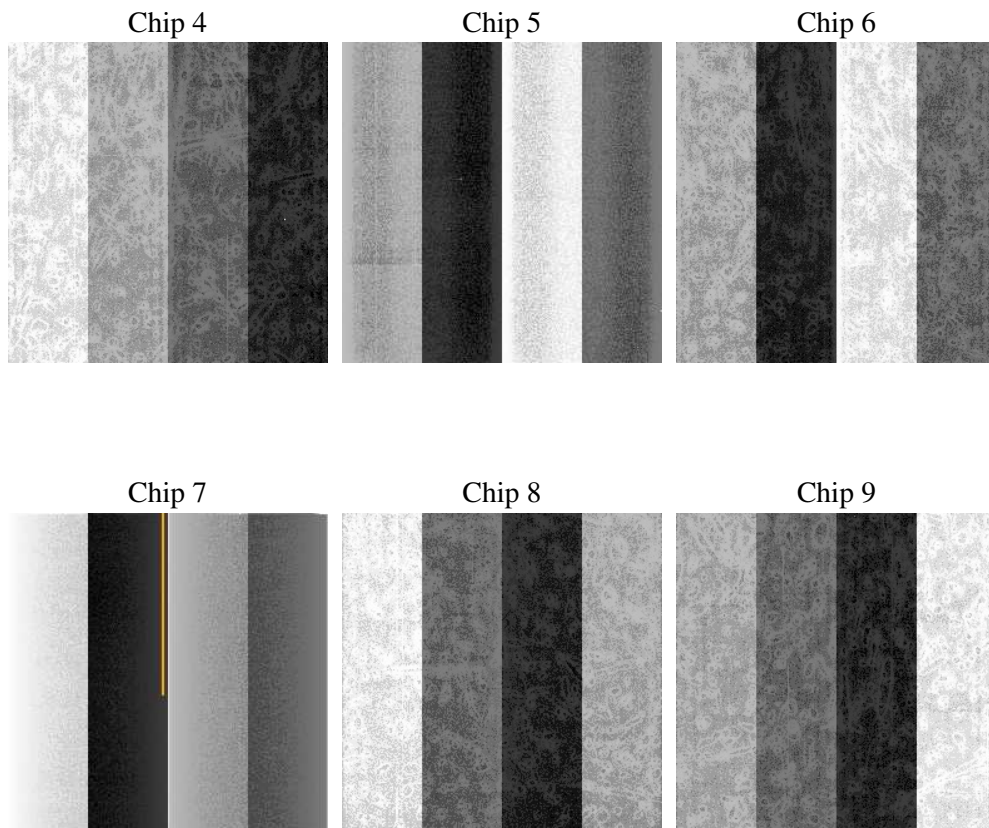
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-08-12T10:17:46
revision	2

sched_exp_time	0.0
ontime	14992.879513949
ontime4	6475.584066242
ontime5	14992.879513949
ontime6	7227.49678725
ontime7	14992.879513949
ontime8	7428.440939337
ontime9	6987.6637127101
l1events	2707720

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	297751	653271	351176	706959	370430	328133
rejected events	47116	109937	49081	97478	56351	48161
rejected %	15%	16%	13%	13%	15%	14%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	145559	70600	165277	113385	172825	154482
	48%	10%	47%	16%	46%	47%
grade 1 events	993	270	783	281	840	852
	0%	0%	0%	0%	0%	0%
grade 2 events	39830	255447	52553	182479	54897	48009
	13%	39%	14%	25%	14%	14%
grade 3 events	16728	18592	18667	46166	20086	17827
	5%	2%	5%	6%	5%	5%
grade 4 events	16555	18552	18562	45109	20252	17894
	5%	2%	5%	6%	5%	5%
grade 5 events	2950	11904	3366	12939	4180	3623
	0%	1%	0%	1%	1%	1%
grade 6 events	31963	180143	47036	222342	46019	41760
	10%	27%	13%	31%	12%	12%
grade 7 events	43173	97763	44932	84258	51331	43686
	14%	14%	12%	11%	13%	13%

## 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	256.6294970552434	Alternating exposures requested	N	N
Pointing Dec	0	-68.27358455526948	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	34.66213268167602			
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	169039815.966323	169039814.94163			
Observation start date	2003-05-11T11:30:16	2003-05-11T11:30:14			
Observation end time	169085045.11823	169085044.09355			
Observation end date	2003-05-12T00:04:05	2003-05-12T00:04:04			
Read mode	TIMED	TIMED			

## 2.3 Aspect



## **2.4 Star Slots**

## **2.5 FID Slots**



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.9919999

### A.2 Comments