

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61969 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Aug 31 2012

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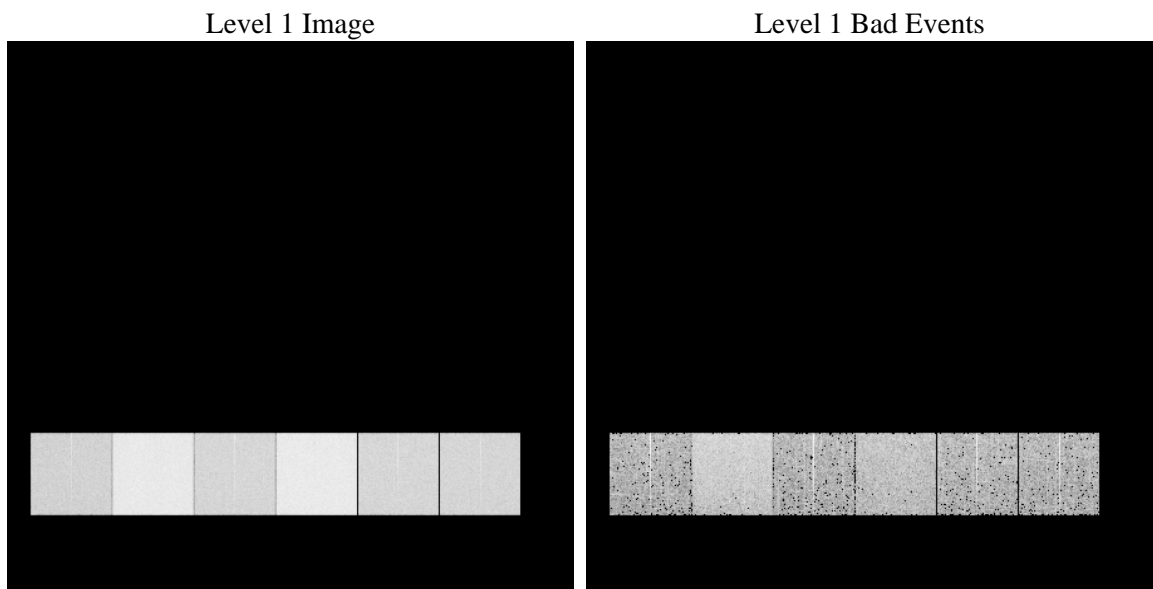
# 1 Front

seq_num	&#160	Sequence number
obs_id	61969	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	176.83651433171	Nominal RA [deg]
dec_nom	-44.387264916886	Nominal Dec [deg]
roll_nom	218.0639553631	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4666.1275078356	Sum of GTIs [s]
livetime	4607.0421917267	Livetime [s]
ontime4	2018.2161024362	Sum of GTIs [s]
ontime5	5022.6339707524	Sum of GTIs [s]
ontime6	2196.6814442575	Sum of GTIs [s]
ontime7	4666.1275078356	Sum of GTIs [s]
ontime8	2196.7635841221	Sum of GTIs [s]
ontime9	2202.9553819448	Sum of GTIs [s]
l2events	1354006	Number of level 2 events

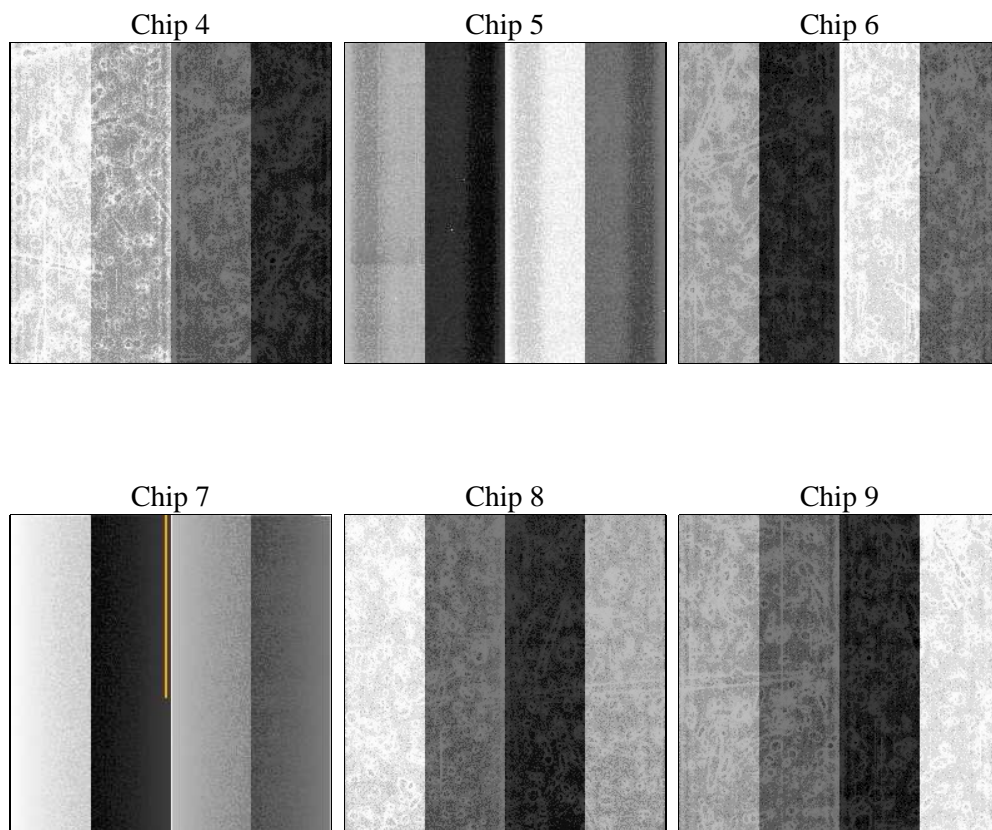
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	4666.1275078356	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime4	2018.2161024362	Sum of GTIs [s]
date	2012-08-31T19:43:34	Date and time of file creation	ontime5	5022.6339707524	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	2196.6814442575	Sum of GTIs [s]
			ontime7	4666.1275078356	Sum of GTIs [s]
			ontime8	2196.7635841221	Sum of GTIs [s]
			ontime9	2202.9553819448	Sum of GTIs [s]
			l1events	1557394	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	172521	387260	200357	401976	201705	193575	grade 0 events	87855	86072	100073	97671	101229	97761
rejected events	19433	40204	19293	27201	20869	19150		50%	22%	49%	24%	50%	50%
rejected %	11%	10%	9%	6%	10%	9%	grade 1 events	468	256	473	251	501	452
								0%	0%	0%	0%	0%	0%
							grade 2 events	27385	126656	31737	83371	32565	31003
								15%	32%	15%	20%	16%	16%
							grade 3 events	9515	22570	11336	38946	11543	10945
								5%	5%	5%	9%	5%	5%
							grade 4 events	9546	22633	11289	38445	11252	10836
								5%	5%	5%	9%	5%	5%
							grade 5 events	1254	7537	1405	5087	1508	1363
								0%	1%	0%	1%	0%	0%
							grade 6 events	20798	93667	28757	121443	26870	26470
								12%	24%	14%	30%	13%	13%
							grade 7 events	15700	27869	15287	16762	16237	14745
								9%	7%	7%	4%	8%	7%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
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
[deg] Pointing RA	0	176.8365143317124	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-44.38726491688599	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	218.0639553631048			
[mm] SIM focus pos	-0.684267	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	82282180.43700001	82282179.66895001			
Observation start date	2000-08-10T08:09:40	2000-08-10T08:09:39			
[s] Observation end time (MET)	82292690.788	82292690.01934201			
Observation end date	2000-08-10T11:04:51	2000-08-10T11:04:50			
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)	2012.09.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.6661275078356

### **A.2 Comments**