

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60688 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 30 2012

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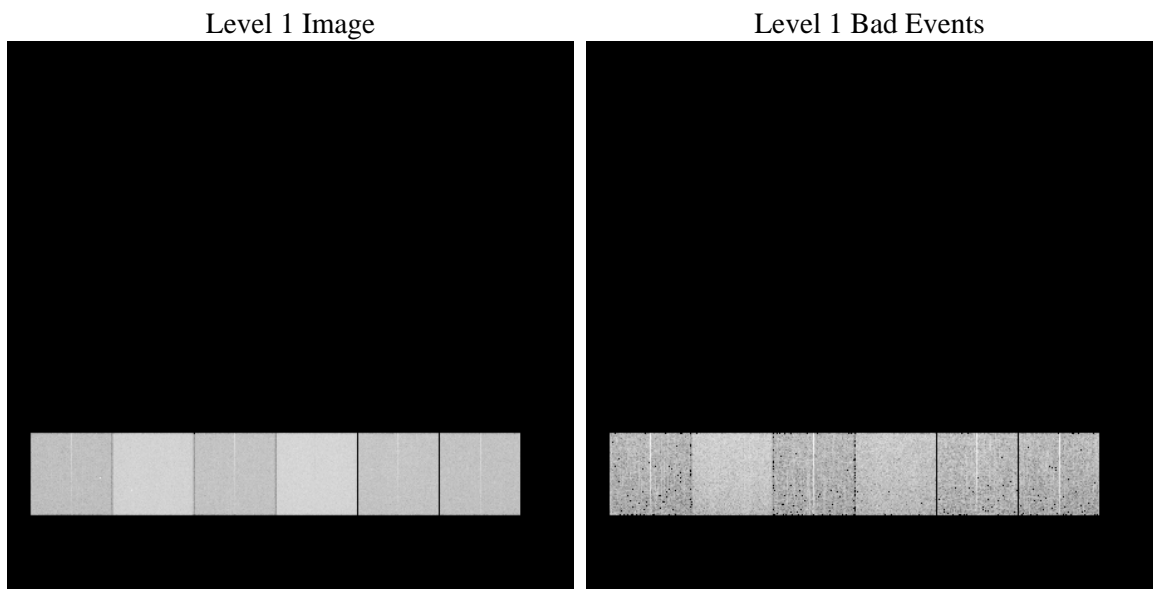
# 1 Front

seq_num	&#160	Sequence number
obs_id	60688	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	131.99594397672	Nominal RA [deg]
dec_nom	-17.028338401204	Nominal Dec [deg]
roll_nom	229.37358381486	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8462.642314136	Sum of GTIs [s]
livetime	8355.483241563	Livetime [s]
ontime4	4064.5228438079	Sum of GTIs [s]
ontime5	8462.6012741327	Sum of GTIs [s]
ontime6	4440.5200493038	Sum of GTIs [s]
ontime7	8462.642314136	Sum of GTIs [s]
ontime8	4537.4354798496	Sum of GTIs [s]
ontime9	4323.5308067501	Sum of GTIs [s]
l2events	1263105	Number of level 2 events

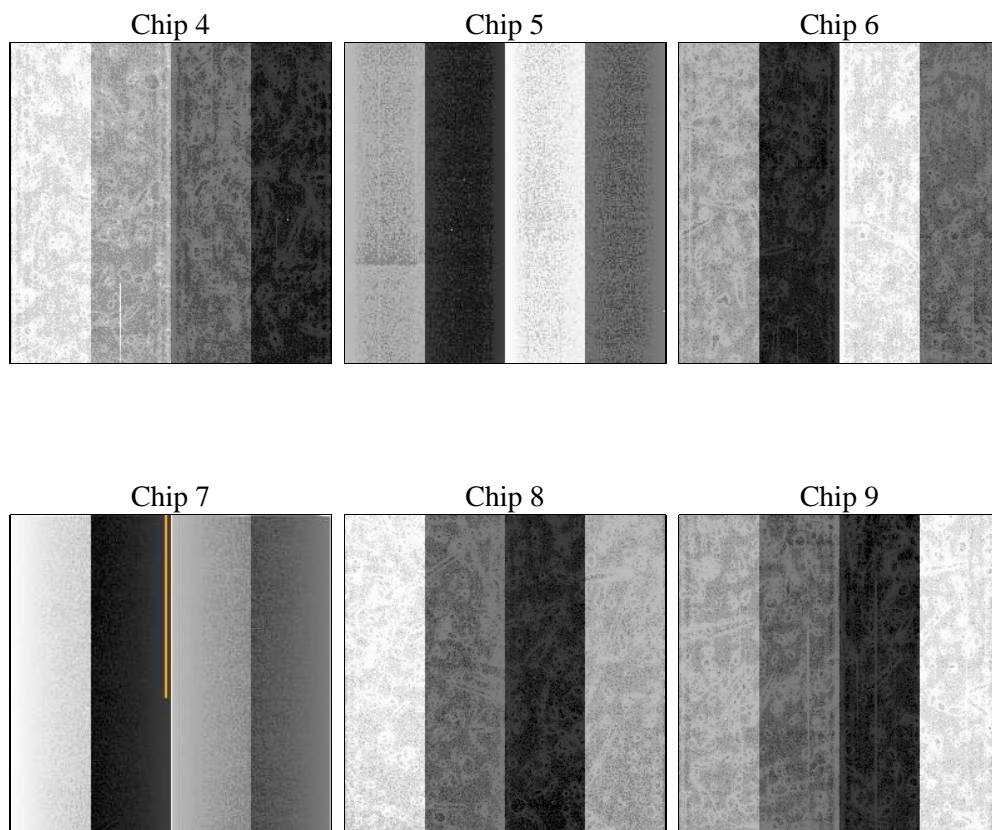
## 2 OBI

### 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	8462.642314136	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	4064.5228438079	Sum of GTIs [s]
date	2012-10-29T19:49:38	Date and time of file creation	ontime5	8462.6012741327	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4440.5200493038	Sum of GTIs [s]
			ontime7	8462.642314136	Sum of GTIs [s]
			ontime8	4537.4354798496	Sum of GTIs [s]
			ontime9	4323.5308067501	Sum of GTIs [s]
			l1events	1539573	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	179459	352164	207710	385398	218504	196338	grade 0 events	88253	67775	97837	85110	101596	92860
rejected events	28325	53217	28696	42899	33537	28856		49%	19%	47%	22%	46%	47%
rejected %	15%	15%	13%	11%	15%	14%	grade 1 events	580	198	446	226	490	503
								0%	0%	0%	0%	0%	0%
							grade 2 events	23992	109365	31010	75152	32111	28697
								13%	31%	14%	19%	14%	14%
							grade 3 events	10076	18344	11043	34453	12033	10836
								5%	5%	5%	8%	5%	5%
							grade 4 events	9801	18086	11125	34526	12056	10550
								5%	5%	5%	8%	5%	5%
							grade 5 events	1837	9181	2039	8255	2446	2200
								1%	2%	0%	2%	1%	1%
							grade 6 events	19120	85467	28149	113381	27171	24539
								10%	24%	13%	29%	12%	12%
							grade 7 events	25800	43748	26061	34295	30601	26153
								14%	12%	12%	8%	14%	13%

## 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	131.995943976718	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-17.02833840120432	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	229.3735838148646			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	172289004.604174	172289003.57944			
Observation start date	2003-06-18T02:03:25	2003-06-18T02:03:23			
[s] Observation end time (MET)	172312844.055189	172312843.03046			
Observation end date	2003-06-18T08:40:44	2003-06-18T08:40:43			
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)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.462642314136

### A.2 Comments