

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62011 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Aug 30 2012

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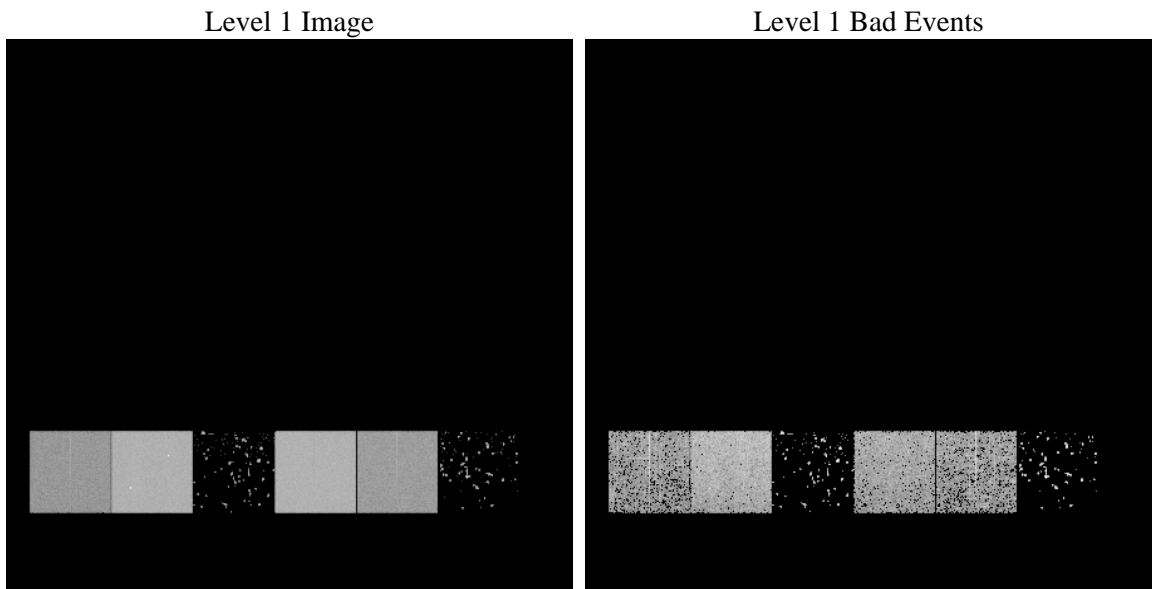
# 1 Front

seq_num	&#160	Sequence number
obs_id	62011	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	142.37155816918	Nominal RA [deg]
dec_nom	-62.287465191338	Nominal Dec [deg]
roll_nom	220.3525215963	Nominal Roll [deg]
revision	5	Processing version of data
ontime	3061.7601035386	Sum of GTIs [s]
livetime	3022.990253537	Livetime [s]
ontime4	1226.3371962309	Sum of GTIs [s]
ontime5	3281.9444662035	Sum of GTIs [s]
ontime6	1082.5064697117	Sum of GTIs [s]
ontime7	3061.7601035386	Sum of GTIs [s]
ontime8	1388.430175975	Sum of GTIs [s]
ontime9	890.14219339192	Sum of GTIs [s]
l2events	680071	Number of level 2 events

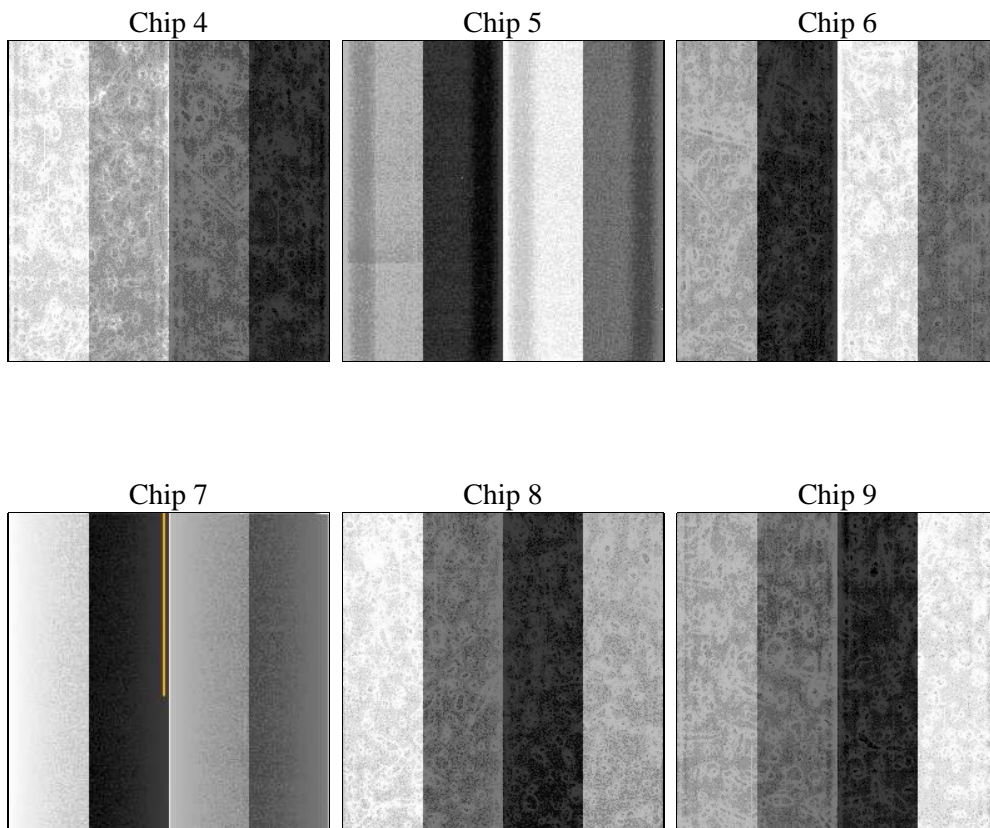
## 2 OBI

### 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	3061.7601035386	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	1226.3371962309	Sum of GTIs [s]
date	2012-08-30T02:50:32	Date and time of file creation	ontime5	3281.9444662035	Sum of GTIs [s]
revision	5	Processing version of data	ontime6	1082.5064697117	Sum of GTIs [s]
			ontime7	3061.7601035386	Sum of GTIs [s]
			ontime8	1388.430175975	Sum of GTIs [s]
			ontime9	890.14219339192	Sum of GTIs [s]
			l1events	1457351	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	107324	262849	341372	271775	129704	344327	grade 0 events	53924	62152	338484	66254	64805	340841
rejected events	12144	24823	3602	15790	12705	3837		50%	23%	99%	24%	49%	98%
rejected %	11%	9%	1%	5%	9%	1%	grade 1 events	351	197	487	186	354	545
								0%	0%	0%	0%	0%	0%
							grade 2 events	16810	82186	303	57104	20488	358
								15%	31%	0%	21%	15%	0%
							grade 3 events	5864	16072	168	26215	7250	204
								5%	6%	0%	9%	5%	0%
							grade 4 events	5965	16052	136	26160	7446	143
								5%	6%	0%	9%	5%	0%
							grade 5 events	831	5324	260	3593	1002	361
								0%	2%	0%	1%	0%	0%
							grade 6 events	12840	61780	244	80266	17138	258
								11%	23%	0%	29%	13%	0%
							grade 7 events	10739	19086	1290	11997	11221	1617
								10%	7%	0%	4%	8%	0%

## 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	142.3715581691842	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-62.28746519133772	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	220.3525215963024			
[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)	78578523.2	78578522.431701			
Observation start date	2000-06-28T11:22:03	2000-06-28T11:22:02			
[s] Observation end time (MET)	78621595.752	78621594.98329			
Observation end date	2000-06-28T23:19:56	2000-06-28T23:19:54			
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)	2012.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0617601035386

### A.2 Comments

ACIS T-plane latchup impacted CCDs 6 and 9.