

# V&V Reference Report

## L2 ASCDS Version : 10

Observation 60881 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Jun 6 2013

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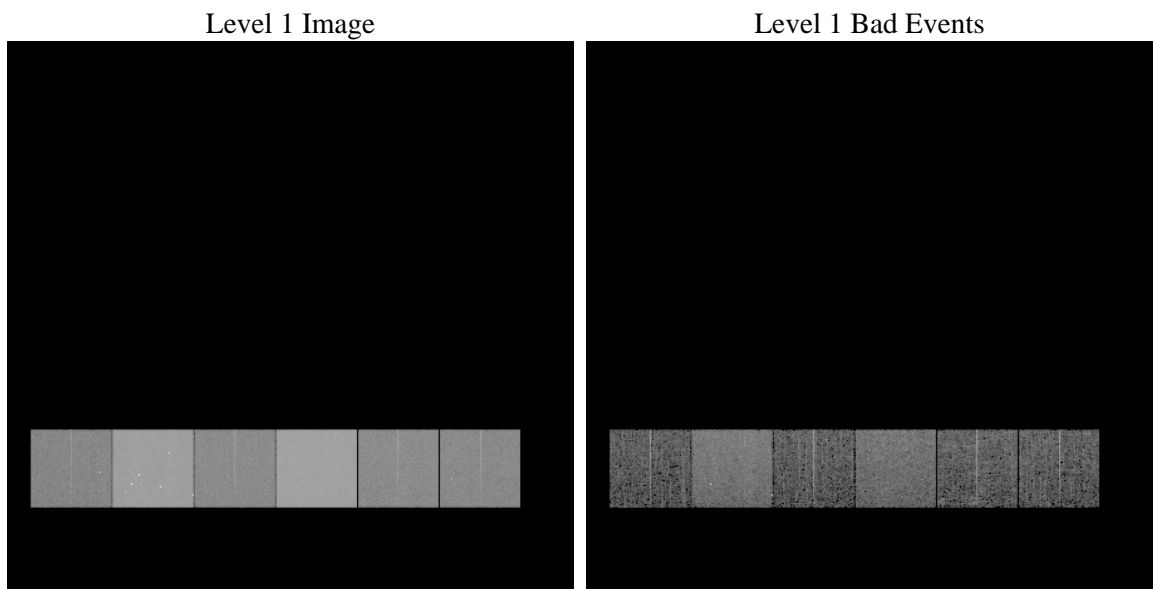
# 1 Front

seq_num	&#160	Sequence number
obs_id	60881	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	174.99718000544	Nominal RA [deg]
dec_nom	-3.9717018650126	Nominal Dec [deg]
roll_nom	63.634039330081	Nominal Roll [deg]
revision	5	Processing version of data
ontime	7788.7999709845	Sum of GTIs [s]
livetime	7690.1734958996	Livetime [s]
ontime4	3013.8795619607	Sum of GTIs [s]
ontime5	7788.7999709845	Sum of GTIs [s]
ontime6	3337.940350771	Sum of GTIs [s]
ontime7	7788.7999709845	Sum of GTIs [s]
ontime8	3367.1919100583	Sum of GTIs [s]
ontime9	3247.0691762865	Sum of GTIs [s]
l2events	1165323	Number of level 2 events

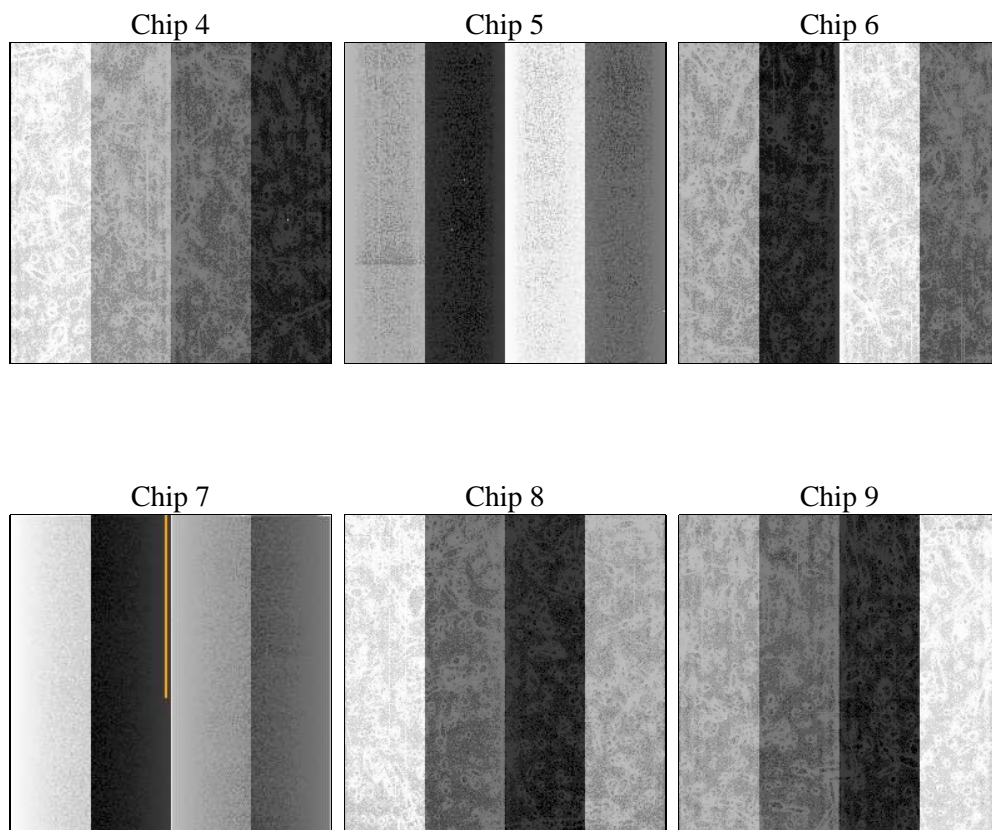
## 2 OBI

### 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	10	Processing system revision	ontime	7788.7999709845	Sum of GTIs [s]
caldbver	4.5.6	&#160	ontime4	3013.8795619607	Sum of GTIs [s]
date	2013-06-06T22:12:55	Date and time of file creation	ontime5	7788.7999709845	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3337.940350771	Sum of GTIs [s]
			ontime7	7788.7999709845	Sum of GTIs [s]
			ontime8	3367.1919100583	Sum of GTIs [s]
			ontime9	3247.0691762865	Sum of GTIs [s]
			l1events	1424732	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	147999	368879	174139	390637	178516	164562	grade 0 events	73588	72154	81694	86839	83303	77712
rejected events	23011	55816	24801	42187	27151	25024		49%	19%	46%	22%	46%	47%
rejected %	15%	15%	14%	10%	15%	15%	grade 1 events	550	348	339	230	437	430
								0%	0%	0%	0%	0%	0%
							grade 2 events	18966	116882	25679	76984	26176	23431
								12%	31%	14%	19%	14%	14%
							grade 3 events	8329	17615	9155	34625	9717	8973
								5%	4%	5%	8%	5%	5%
							grade 4 events	8262	17074	9227	34749	9787	8861
								5%	4%	5%	8%	5%	5%
							grade 5 events	1436	9714	1684	8042	1911	1739
								0%	2%	0%	2%	1%	1%
							grade 6 events	15843	89479	23583	115402	22382	20561
								10%	24%	13%	29%	12%	12%
							grade 7 events	21025	45613	22778	33766	24803	22855
								14%	12%	13%	8%	13%	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	174.9971800054408	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-3.971701865012605	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	63.63403933008112			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	159006336.544132	159006335.51913			
Observation start date	2003-01-15T08:25:37	2003-01-15T08:25:35			
[s] Observation end time (MET)	159038316.54547	159038315.52047			
Observation end date	2003-01-15T17:18:37	2003-01-15T17:18:35			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7887999709845

### A.2 Comments