

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60697 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 29 2012

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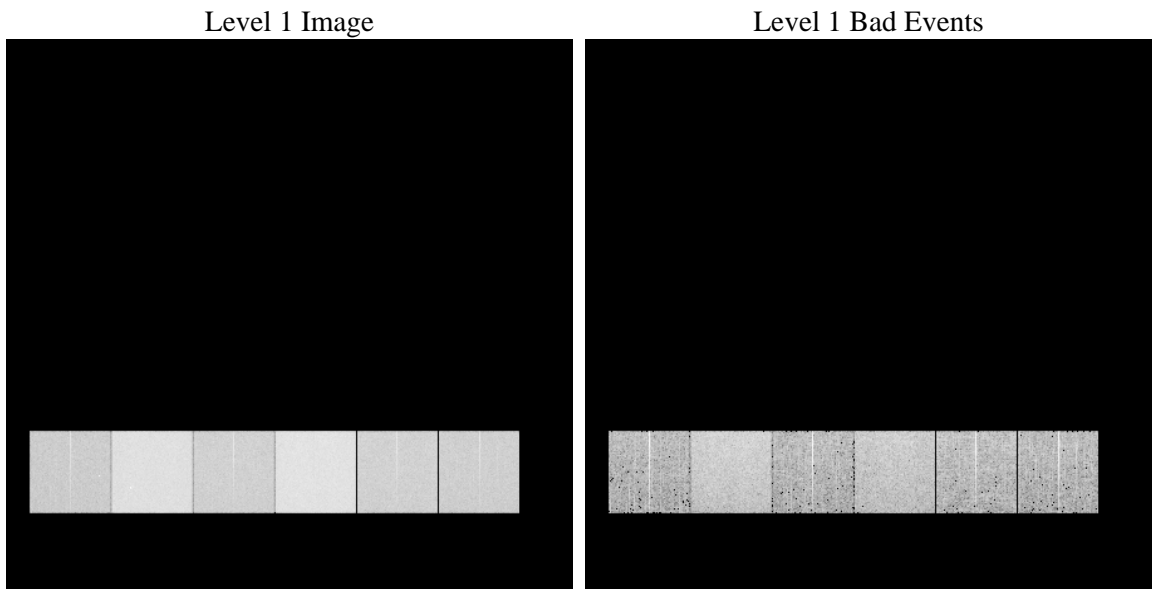
# 1 Front

seq_num	&#160	Sequence number
obs_id	60697	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	156.20552123824	Nominal RA [deg]
dec_nom	7.3718964270927	Nominal Dec [deg]
roll_nom	248.13124690003	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8380.7999687791	Sum of GTIs [s]
livetime	8274.6772332625	Livetime [s]
ontime4	4012.0206706822	Sum of GTIs [s]
ontime5	8380.7999687791	Sum of GTIs [s]
ontime6	4439.7899441719	Sum of GTIs [s]
ontime7	8380.7999687791	Sum of GTIs [s]
ontime8	4430.0581384301	Sum of GTIs [s]
ontime9	4280.9718827307	Sum of GTIs [s]
l2events	1255415	Number of level 2 events

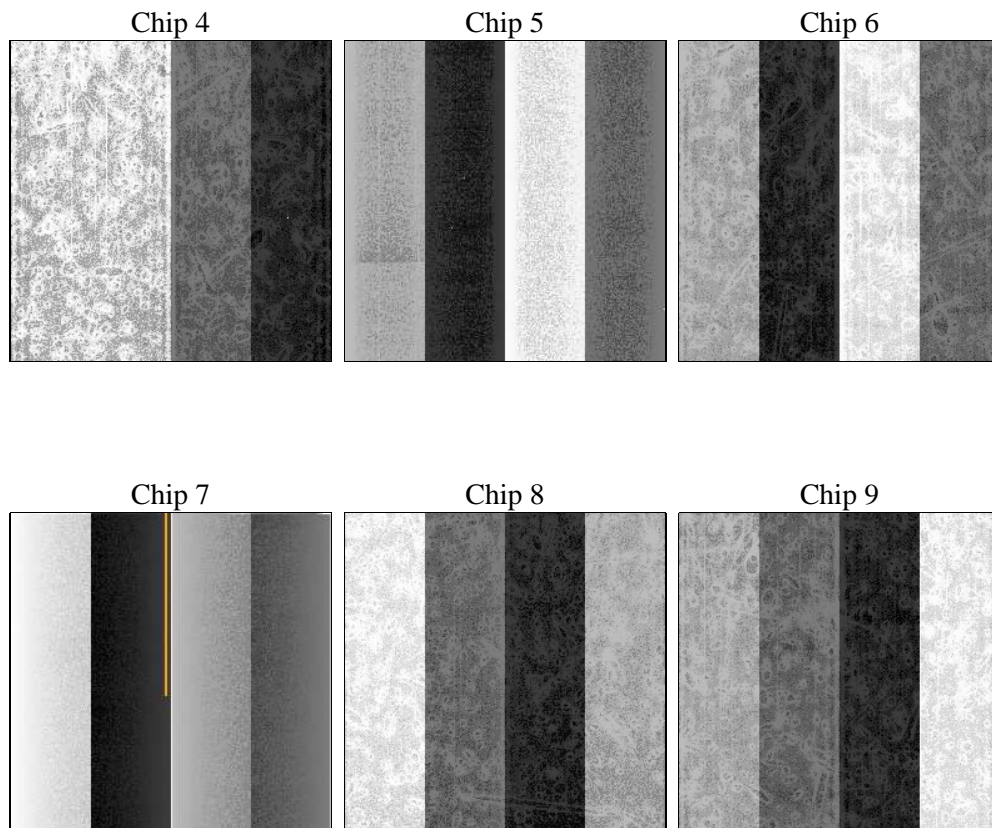
## 2 OBI

### 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	8380.7999687791	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	4012.0206706822	Sum of GTIs [s]
date	2012-10-29T10:35:44	Date and time of file creation	ontime5	8380.7999687791	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4439.7899441719	Sum of GTIs [s]
			ontime7	8380.7999687791	Sum of GTIs [s]
			ontime8	4430.0581384301	Sum of GTIs [s]
			ontime9	4280.9718827307	Sum of GTIs [s]
			l1events	1539436	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	180129	352433	209211	385925	214591	197147	grade 0 events	88607	67891	99034	85762	100100	93629
rejected events	29359	55166	30085	45343	33754	29857		49%	19%	47%	22%	46%	47%
rejected %	16%	15%	14%	11%	15%	15%	grade 1 events	587	224	455	205	487	485
								0%	0%	0%	0%	0%	0%
							grade 2 events	24184	109375	31160	75888	31940	28959
								13%	31%	14%	19%	14%	14%
							grade 3 events	10203	18693	11272	34739	11684	10755
								5%	5%	5%	9%	5%	5%
							grade 4 events	10053	18479	11154	34455	11819	10704
								5%	5%	5%	8%	5%	5%
							grade 5 events	1763	9250	2118	8122	2382	2082
								0%	2%	1%	2%	1%	1%
							grade 6 events	19241	85734	28318	113204	26809	24951
								10%	24%	13%	29%	12%	12%
							grade 7 events	25491	42787	25700	33550	29370	25582
								14%	12%	12%	8%	13%	12%

## 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	156.2055212382389	Alternating exposures requested	N	N
[deg] Pointing Dec	0	7.371896427092715	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	248.1312469000282			
[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)	171604956.475071	171604955.45038			
Observation start date	2003-06-10T04:02:36	2003-06-10T04:02:35			
[s] Observation end time (MET)	171627865.226042	171627864.20135			
Observation end date	2003-06-10T10:24:25	2003-06-10T10:24:24			
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	8.3807999687791

### **A.2 Comments**