

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60711 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 29 2012

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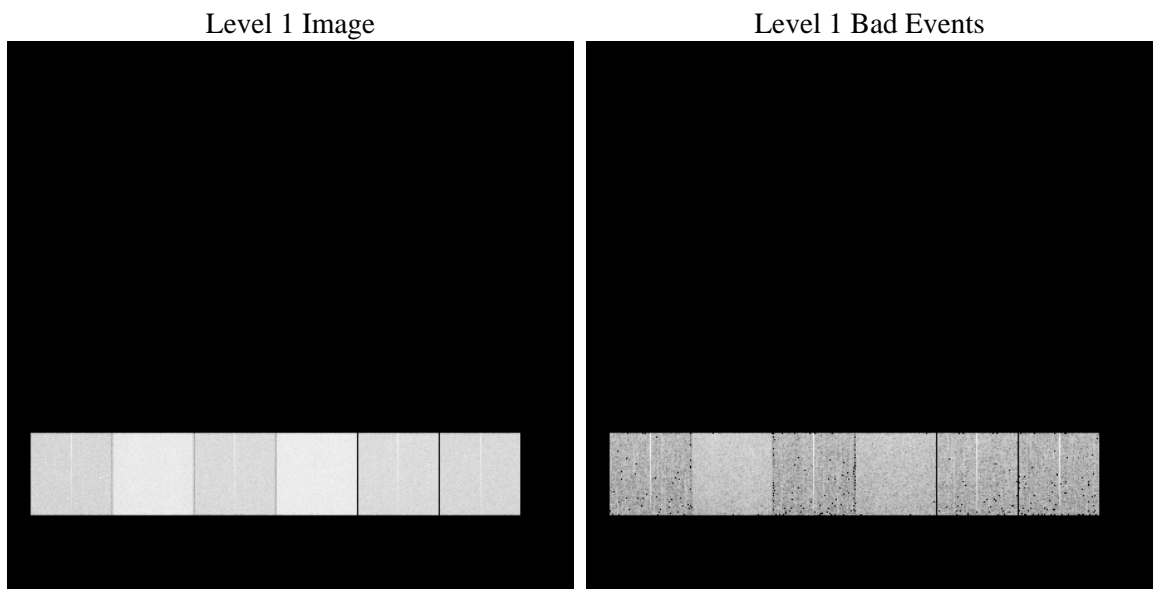
# 1 Front

seq_num	&#160	Sequence number
obs_id	60711	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	342.97633745806	Nominal RA [deg]
dec_nom	-5.9837774345601	Nominal Dec [deg]
roll_nom	112.51795750828	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8460.7999684811	Sum of GTIs [s]
livetime	8353.664224798	Livetime [s]
ontime4	4020.6643142104	Sum of GTIs [s]
ontime5	8460.7999684811	Sum of GTIs [s]
ontime6	4406.3428126574	Sum of GTIs [s]
ontime7	8460.7999684811	Sum of GTIs [s]
ontime8	4519.7771397531	Sum of GTIs [s]
ontime9	4215.1239536703	Sum of GTIs [s]
l2events	1263079	Number of level 2 events

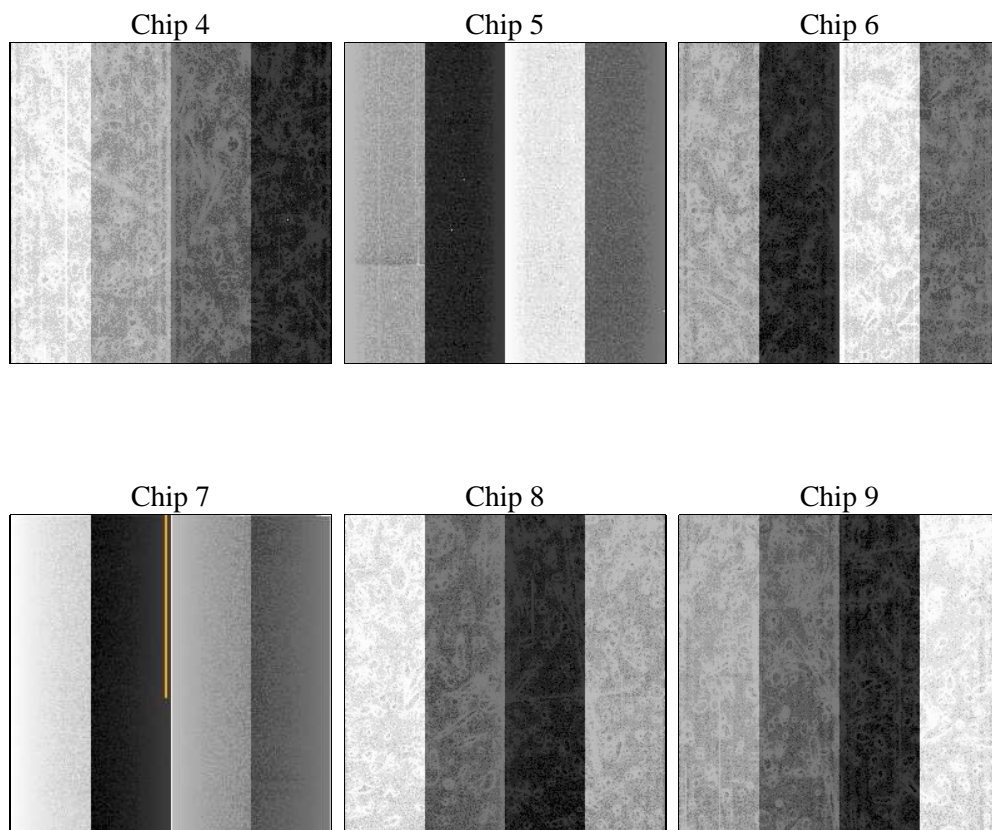
## 2 OBI

### 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	8460.7999684811	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime4	4020.6643142104	Sum of GTIs [s]
date	2012-10-29T08:16:52	Date and time of file creation	ontime5	8460.7999684811	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4406.3428126574	Sum of GTIs [s]
			ontime7	8460.7999684811	Sum of GTIs [s]
			ontime8	4519.7771397531	Sum of GTIs [s]
			ontime9	4215.1239536703	Sum of GTIs [s]
			l1events	1538853	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	179187	355064	206927	389100	217129	191446	grade 0 events	87958	66110	97602	85023	101308	90324
rejected events	28975	54204	28210	43394	32966	27999		49%	18%	47%	21%	46%	47%
rejected %	16%	15%	13%	11%	15%	14%	grade 1 events	598	211	463	247	501	473
								0%	0%	0%	0%	0%	0%
							grade 2 events	23425	111620	30761	76528	32154	27774
								13%	31%	14%	19%	14%	14%
							grade 3 events	9932	18076	10978	34364	11806	10468
								5%	5%	5%	8%	5%	5%
							grade 4 events	9954	17678	10922	34711	11785	10402
								5%	4%	5%	8%	5%	5%
							grade 5 events	1809	9256	2024	8236	2409	2117
								1%	2%	0%	2%	1%	1%
							grade 6 events	18943	87376	28454	115080	27110	24479
								10%	24%	13%	29%	12%	12%
							grade 7 events	26568	44737	25723	34911	30056	25409
								14%	12%	12%	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	342.9763374580597	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-5.983777434560112	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	112.5179575082836			
[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)	171375194.515329	171375193.49062			
Observation start date	2003-06-07T12:13:15	2003-06-07T12:13:13			
[s] Observation end time (MET)	171398136.066302	171398135.04159			
Observation end date	2003-06-07T18:35:36	2003-06-07T18:35:35			
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	8.4607999684811

### **A.2 Comments**