

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60549 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 4 2012

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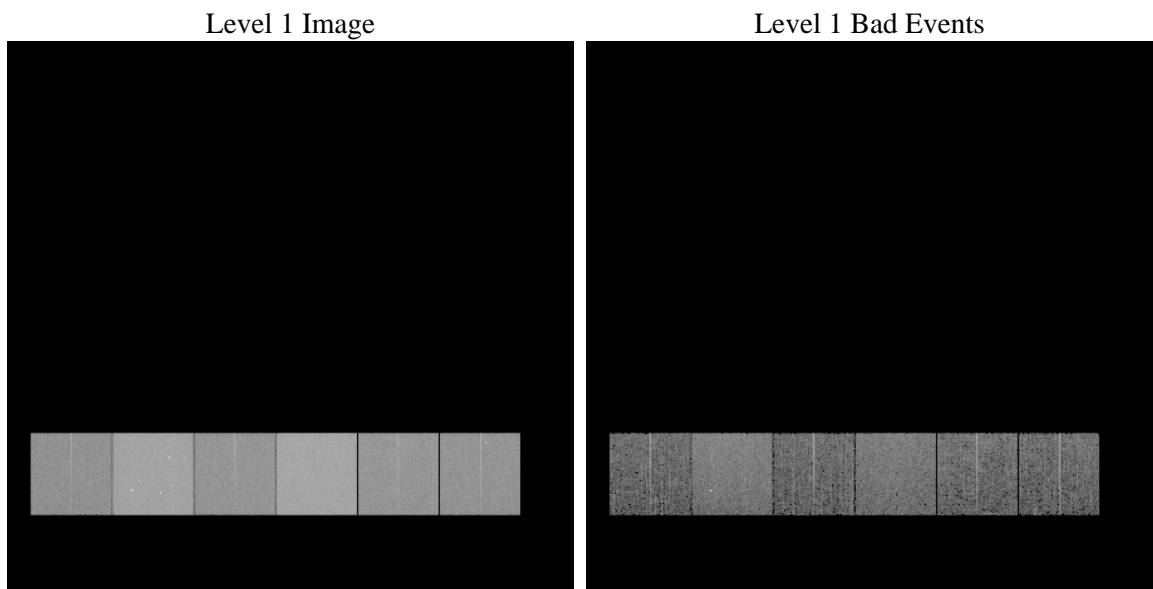
# 1 Front

seq_num	&#160	Sequence number
obs_id	60549	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	124.97597806337	Nominal RA [deg]
dec_nom	-22.981833645727	Nominal Dec [deg]
roll_nom	107.79922433567	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7798.3999709487	Sum of GTIs [s]
livetime	7699.6519348838	Livetime [s]
ontime4	3834.6874827147	Sum of GTIs [s]
ontime5	7798.3999709487	Sum of GTIs [s]
ontime6	4211.7828653455	Sum of GTIs [s]
ontime7	7798.3999709487	Sum of GTIs [s]
ontime8	4244.2740308046	Sum of GTIs [s]
ontime9	4072.2967390716	Sum of GTIs [s]
l2events	1141964	Number of level 2 events

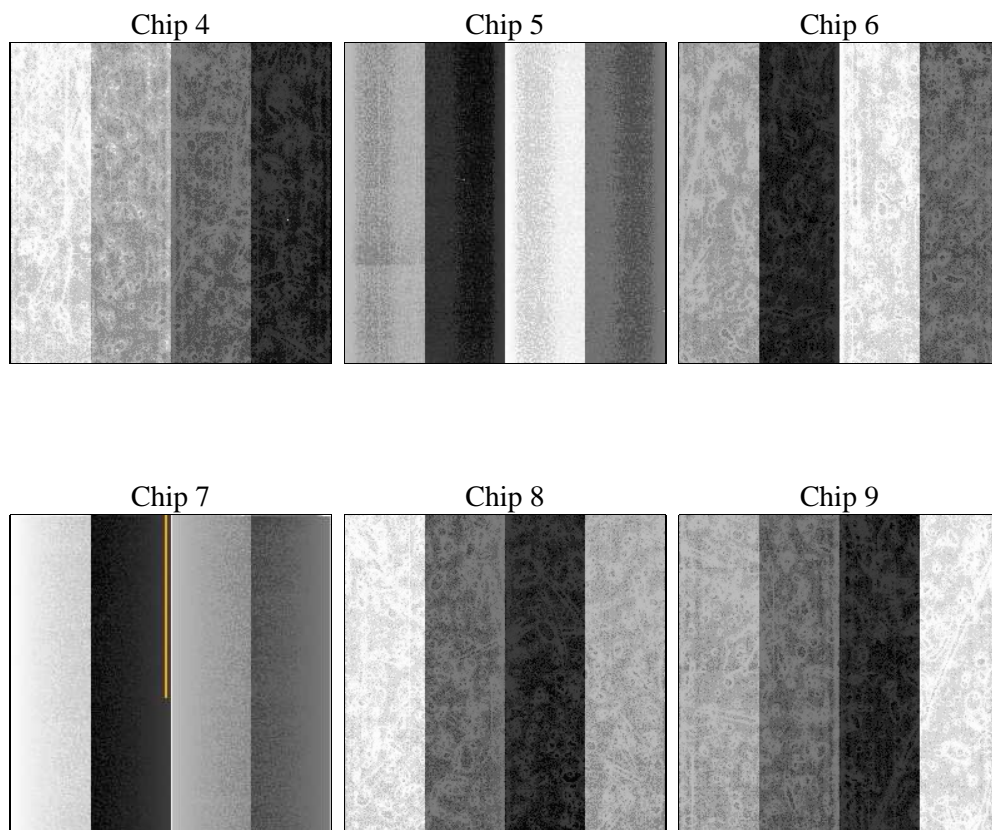
## 2 OBI

### 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	7798.3999709487	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	3834.6874827147	Sum of GTIs [s]
date	2012-11-04T12:52:36	Date and time of file creation	ontime5	7798.3999709487	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4211.7828653455	Sum of GTIs [s]
			ontime7	7798.3999709487	Sum of GTIs [s]
			ontime8	4244.2740308046	Sum of GTIs [s]
			ontime9	4072.2967390716	Sum of GTIs [s]
			l1events	1419493	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	168200	324171	193502	349514	199958	184148	grade 0 events	80179	62367	88658	75524	91258	85278
rejected events	29214	52359	29891	42695	32732	30435		47%	19%	45%	21%	45%	46%
rejected %	17%	16%	15%	12%	16%	16%	grade 1 events	596	238	437	196	488	497
								0%	0%	0%	0%	0%	0%
							grade 2 events	22324	98602	28426	67176	28974	25964
								13%	30%	14%	19%	14%	14%
							grade 3 events	9171	16274	10186	30497	10885	9711
								5%	5%	5%	8%	5%	5%
							grade 4 events	9212	16264	9944	30556	10913	9698
								5%	5%	5%	8%	5%	5%
							grade 5 events	1796	9361	2032	7911	2288	2070
								1%	2%	1%	2%	1%	1%
							grade 6 events	18100	78305	26397	103188	25196	23186
								10%	24%	13%	29%	12%	12%
							grade 7 events	26822	42760	27422	34466	29956	27744
								15%	13%	14%	9%	14%	15%

## 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	124.9759780633656	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-22.98183364572733	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	107.7992243356672			
[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)	180474946.053651	180474945.02893			
Observation start date	2003-09-20T19:55:46	2003-09-20T19:55:45			
[s] Observation end time (MET)	180494334.954483	180494333.92976			
Observation end date	2003-09-21T01:18:55	2003-09-21T01:18:53			
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	7.7983999709487

### **A.2 Comments**