

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58233 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 30 2012

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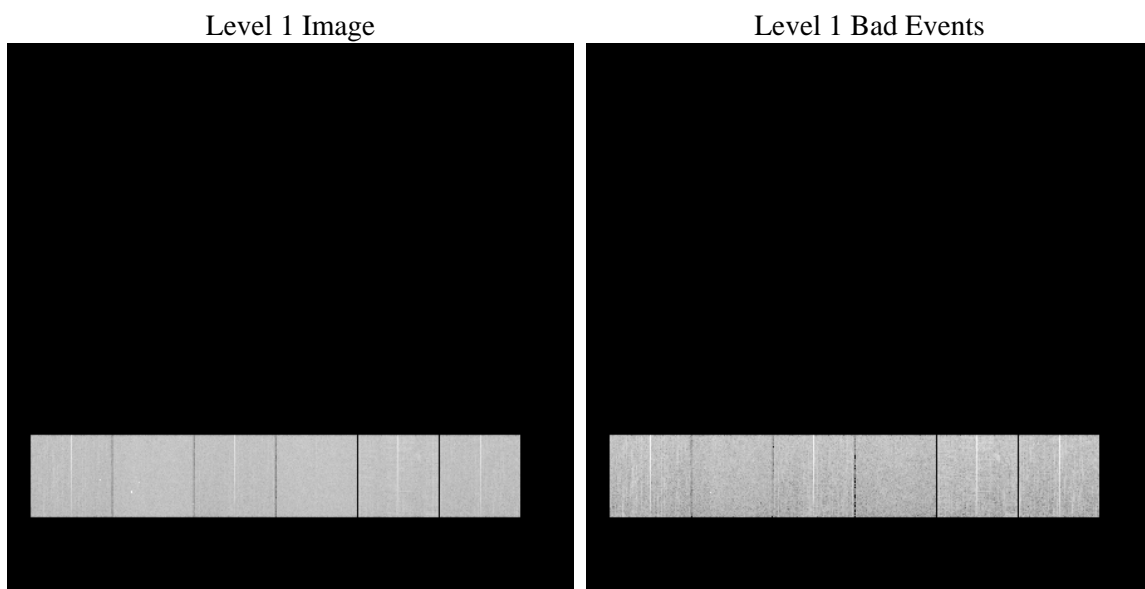
# 1 Front

seq_num	&#160	Sequence number
obs_id	58233	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	118.97363334315	Nominal RA [deg]
dec_nom	-20.985172690003	Nominal Dec [deg]
roll_nom	116.14717923706	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.0401002169	Sum of GTIs [s]
livetime	8170.256559837	Livetime [s]
ontime4	8274.916980207	Sum of GTIs [s]
ontime5	8274.9990602136	Sum of GTIs [s]
ontime6	8274.9580202103	Sum of GTIs [s]
ontime7	8275.0401002169	Sum of GTIs [s]
ontime8	8271.6349798441	Sum of GTIs [s]
ontime9	8275.0811402202	Sum of GTIs [s]
l2events	725620	Number of level 2 events

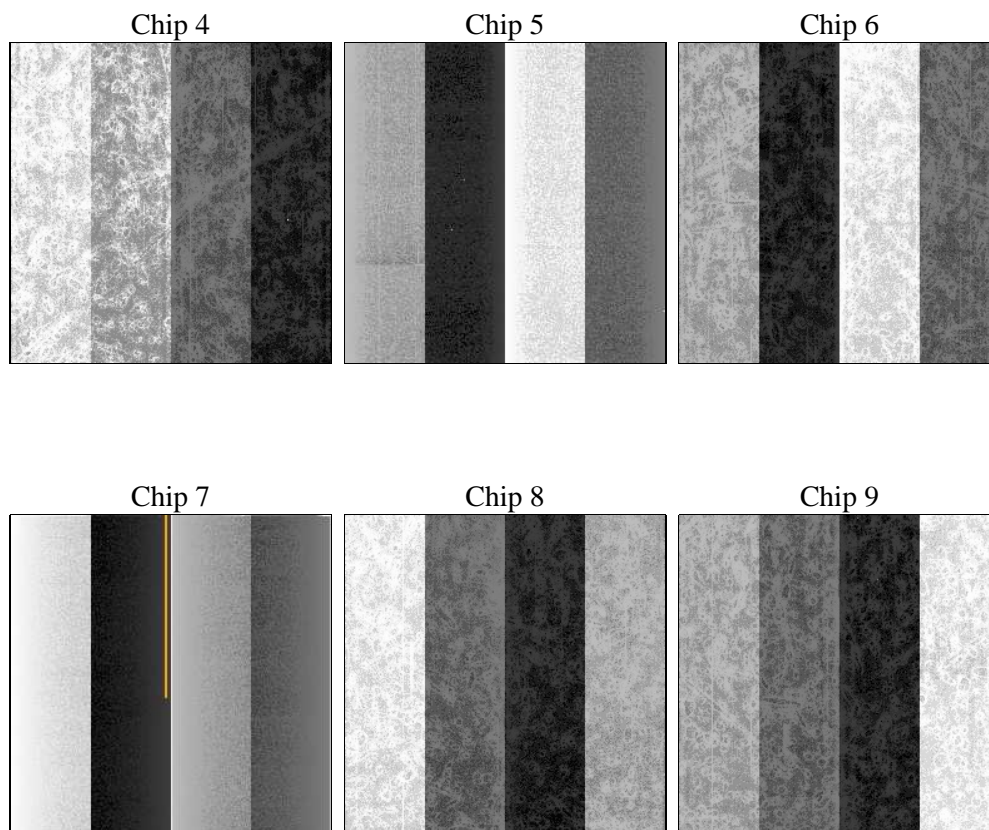
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8275.0401002169	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8274.916980207	Sum of GTIs [s]
date	2012-04-30T16:31:08	Date and time of file creation	ontime5	8274.9990602136	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8274.9580202103	Sum of GTIs [s]
			ontime7	8275.0401002169	Sum of GTIs [s]
			ontime8	8271.6349798441	Sum of GTIs [s]
			ontime9	8275.0811402202	Sum of GTIs [s]
			l1events	1236324	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	193370	214968	198919	216793	218022	194252	grade 0 events	64566	24145	64849	31646	68374	63375
rejected events	80498	70948	77844	65533	84160	77272		33%	11%	32%	14%	31%	32%
rejected %	41%	33%	39%	30%	38%	39%	grade 1 events	618	184	414	180	426	484
								0%	0%	0%	0%	0%	0%
							grade 2 events	18122	51957	20999	32994	24525	20216
								9%	24%	10%	15%	11%	10%
							grade 3 events	7792	7499	7724	14658	9376	7847
								4%	3%	3%	6%	4%	4%
							grade 4 events	7609	7202	7496	14197	9398	7510
								3%	3%	3%	6%	4%	3%
							grade 5 events	4201	9892	4267	10783	5562	4830
								2%	4%	2%	4%	2%	2%
							grade 6 events	14828	53284	20049	57824	22237	18076
								7%	24%	10%	26%	10%	9%
							grade 7 events	75634	60805	73121	54511	78124	71914
								39%	28%	36%	25%	35%	37%

## 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	118.9736333431474	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-20.98517269000335	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	116.1471792370589			
[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)	305497297.281076	305497296.25609			
Observation start date	2007-09-06T20:21:37	2007-09-06T20:21:36			
[s] Observation end time (MET)	305510245.081698	305510244.05671			
Observation end date	2007-09-06T23:57:25	2007-09-06T23:57:24			
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)	2012.05.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2750401002169

### **A.2 Comments**