

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57879 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 12 2012

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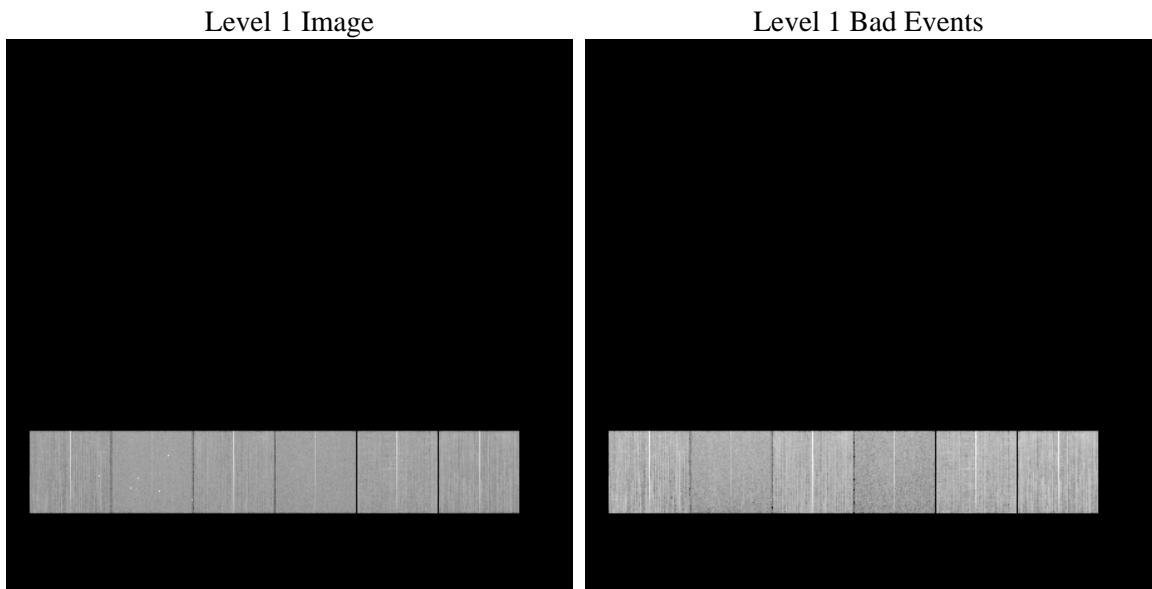
# 1 Front

seq_num	&#160	Sequence number
obs_id	57879	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	216.97757805495	Nominal RA [deg]
dec_nom	11.008377260005	Nominal Dec [deg]
roll_nom	129.07093147814	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8271.999969244	Sum of GTIs [s]
livetime	8167.254924833	Livetime [s]
ontime4	6816.7967271805	Sum of GTIs [s]
ontime5	8271.999969244	Sum of GTIs [s]
ontime6	7257.5698649883	Sum of GTIs [s]
ontime7	8271.999969244	Sum of GTIs [s]
ontime8	7636.7662277222	Sum of GTIs [s]
ontime9	7108.4850487113	Sum of GTIs [s]
l2events	602196	Number of level 2 events

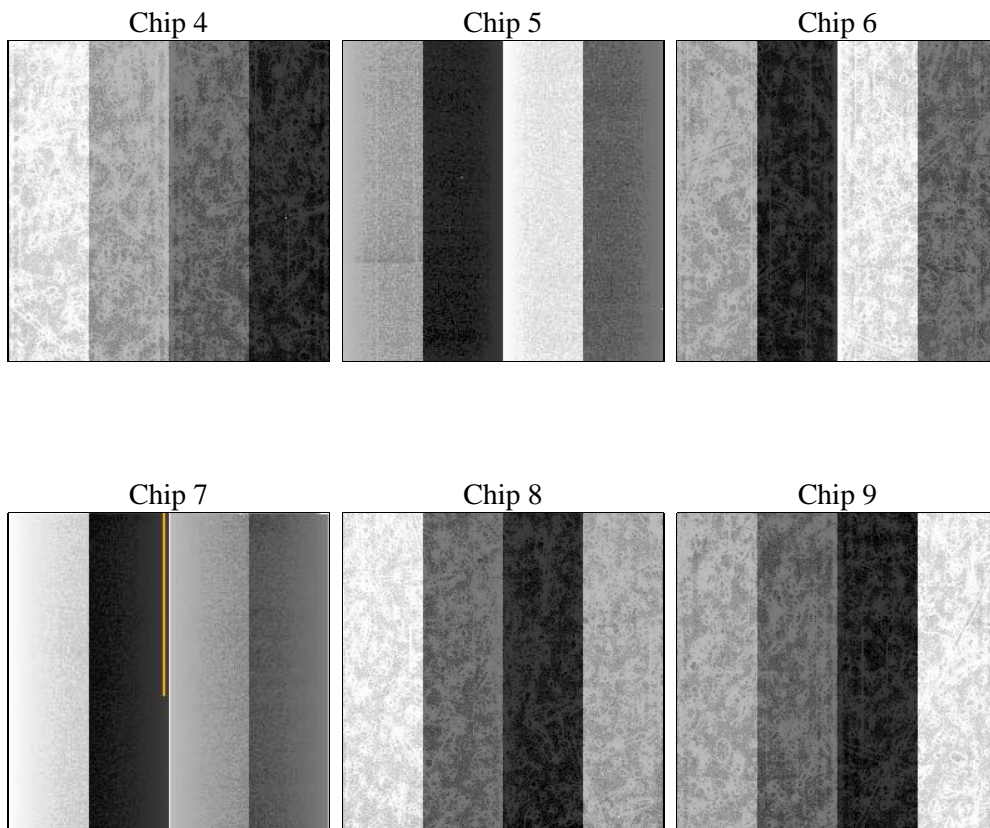
## 2 OBI

### 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	8271.999969244	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime4	6816.7967271805	Sum of GTIs [s]
date	2012-05-12T15:42:05	Date and time of file creation	ontime5	8271.999969244	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7257.5698649883	Sum of GTIs [s]
			ontime7	8271.999969244	Sum of GTIs [s]
			ontime8	7636.7662277222	Sum of GTIs [s]
			ontime9	7108.4850487113	Sum of GTIs [s]
			l1events	1484640	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	233784	239914	253237	230163	269180	258362	grade 0 events	46831	24129	49005	27365	55001	46935
rejected events	150422	101590	159814	89288	160676	170221		20%	10%	19%	11%	20%	18%
rejected %	64%	42%	63%	38%	59%	65%	grade 1 events	413	222	281	173	358	334
								0%	0%	0%	0%	0%	0%
							grade 2 events	14634	50992	17295	34237	20321	15993
								6%	21%	6%	14%	7%	6%
							grade 3 events	5635	6686	6015	12903	7591	5814
								2%	2%	2%	5%	2%	2%
							grade 4 events	5495	6503	5885	12935	7561	5779
								2%	2%	2%	5%	2%	2%
							grade 5 events	3441	9558	3792	10604	5076	4042
								1%	3%	1%	4%	1%	1%
							grade 6 events	10809	50071	15268	53489	18070	13657
								4%	20%	6%	23%	6%	5%
							grade 7 events	146526	91753	155696	78457	155202	165808
								62%	38%	61%	34%	57%	64%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	216.9775780549508
[deg] Pointing Dec	0	11.00837726000521
[deg] Pointing Roll	0.0	129.0709314781437
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	323989269.875965	323989268.85096
Observation start date	2008-04-07T21:01:10	2008-04-07T21:01:08
[s] Observation end time (MET)	324012475.877095	324012474.85209
Observation end date	2008-04-08T03:27:56	2008-04-08T03:27:54
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## 2.3 Star Slots

## 2.4 FID Slots

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.271999969244

### **A.2 Comments**