

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57782 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 16 2012

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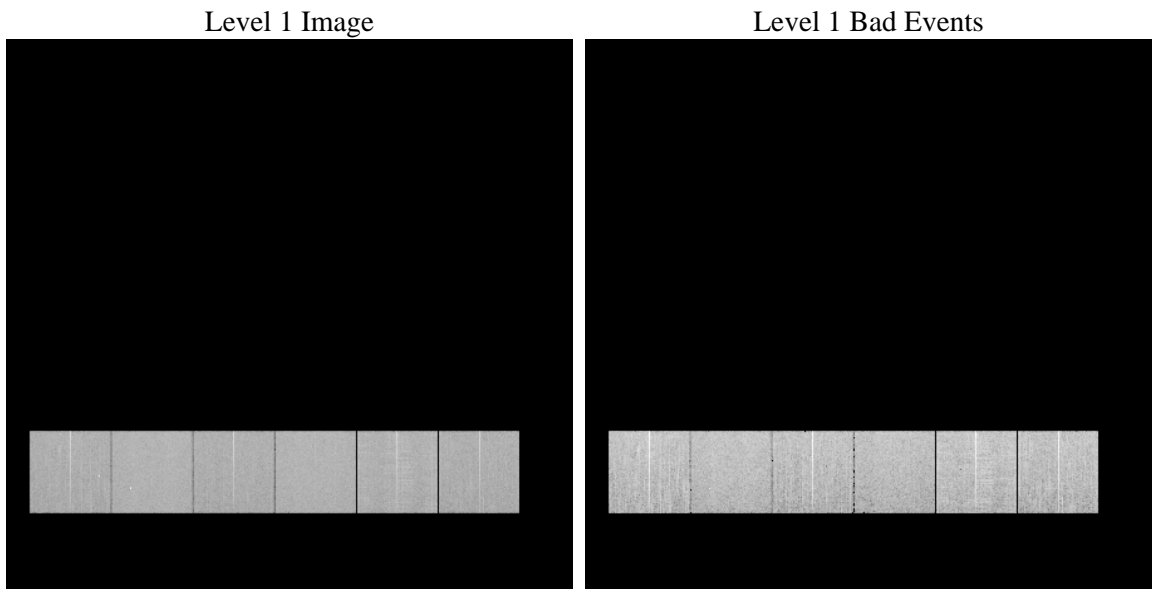
# 1 Front

seq_num	&#160	Sequence number
obs_id	57782	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	287.97520909055	Nominal RA [deg]
dec_nom	-7.9851902863734	Nominal Dec [deg]
roll_nom	116.02867521607	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8162.9063640833	Sum of GTIs [s]
livetime	8059.5427285892	Livetime [s]
ontime4	8162.7832440734	Sum of GTIs [s]
ontime5	8162.86532408	Sum of GTIs [s]
ontime6	8162.8242840767	Sum of GTIs [s]
ontime7	8162.9063640833	Sum of GTIs [s]
ontime8	8162.7422040701	Sum of GTIs [s]
ontime9	8162.9474040866	Sum of GTIs [s]
l2events	611997	Number of level 2 events

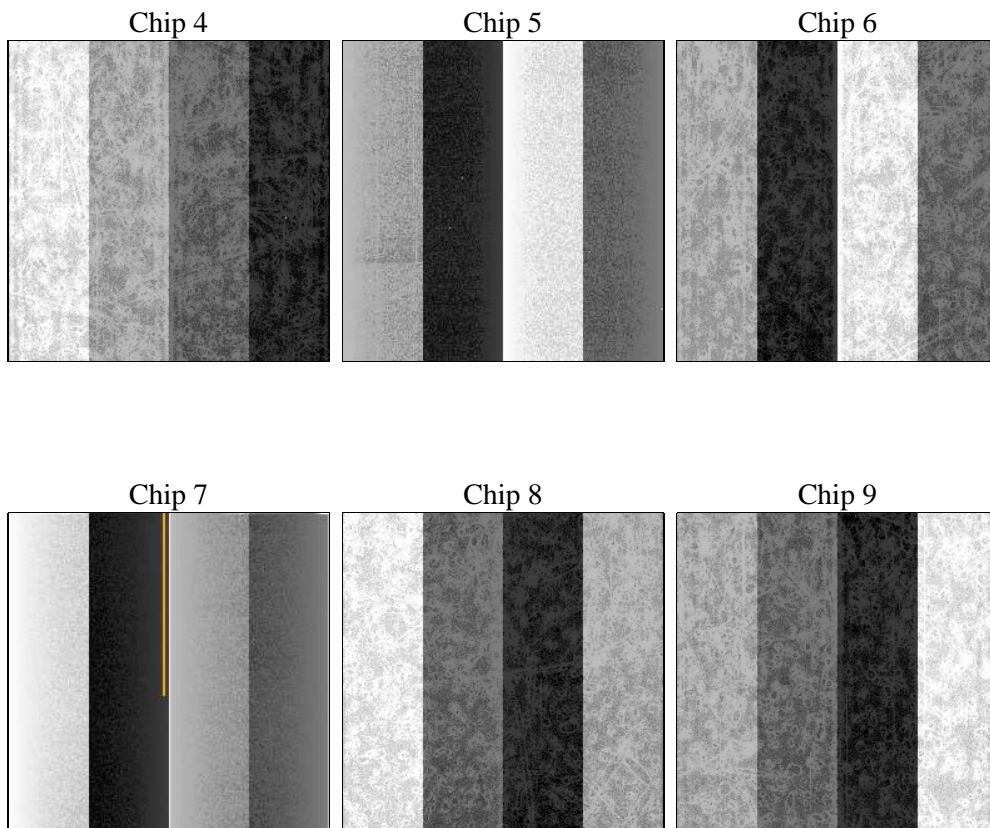
## 2 OBI

### 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	8162.9063640833	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8162.7832440734	Sum of GTIs [s]
date	2012-05-16T03:31:29	Date and time of file creation	ontime5	8162.86532408	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8162.8242840767	Sum of GTIs [s]
			ontime7	8162.9063640833	Sum of GTIs [s]
			ontime8	8162.7422040701	Sum of GTIs [s]
			ontime9	8162.9474040866	Sum of GTIs [s]
			l1events	1107321	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	173080	196793	172385	196750	195917	172396	grade 0 events	54351	20039	53694	26582	58006	52566
rejected events	79258	70934	72421	66373	82542	75705		31%	10%	31%	13%	29%	30%
rejected %	45%	36%	42%	33%	42%	43%	grade 1 events	500	218	336	164	409	397
								0%	0%	0%	0%	0%	0%
							grade 2 events	15253	45708	17880	28933	21319	17145
								8%	23%	10%	14%	10%	9%
							grade 3 events	6569	6838	6406	12410	8218	6597
								3%	3%	3%	6%	4%	3%
							grade 4 events	6552	6203	6495	12458	7892	6526
								3%	3%	3%	6%	4%	3%
							grade 5 events	4070	9600	4337	10519	5525	4780
								2%	4%	2%	5%	2%	2%
							grade 6 events	12346	48791	16834	51729	19519	15113
								7%	24%	9%	26%	9%	8%
							grade 7 events	73439	59396	66403	53955	75029	69272
								42%	30%	38%	27%	38%	40%

## 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	287.9752090905503	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-7.98519028637344	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	116.0286752160716			
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	328798631.610418	328798630.58539			
Observation start date	2008-06-02T12:57:12	2008-06-02T12:57:10			
[s] Observation end time (MET)	328811394.911043	328811393.88601			
Observation end date	2008-06-02T16:29:55	2008-06-02T16:29:53			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1629063640833

### A.2 Comments