

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58301 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 28 2012

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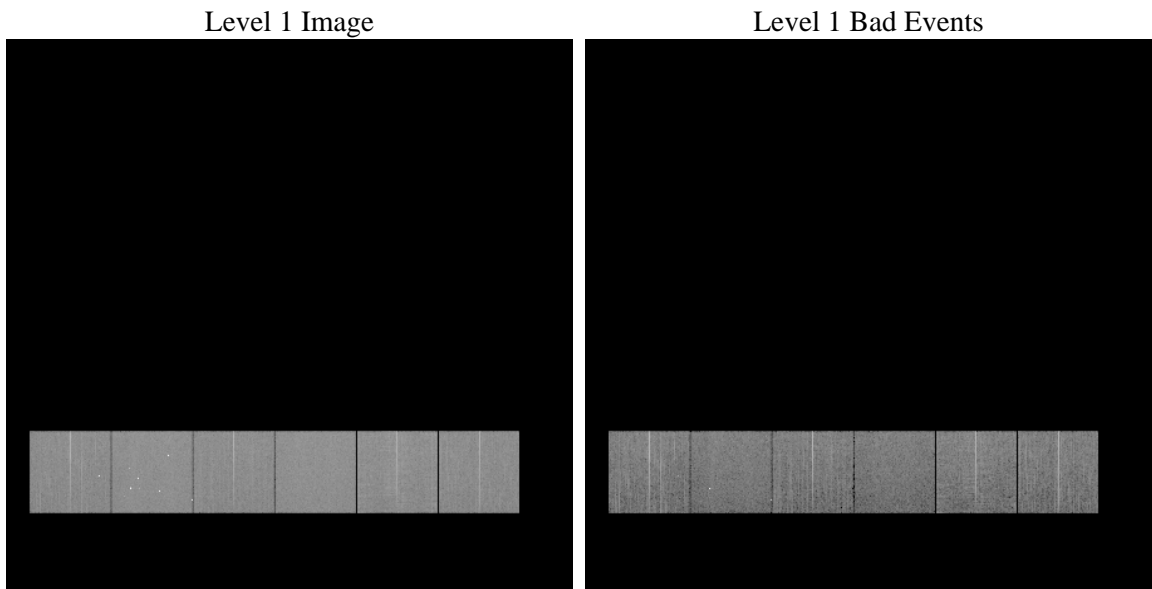
# 1 Front

seq_num	&#160	Sequence number
obs_id	58301	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	188.01759339122	Nominal RA [deg]
dec_nom	33.975298732392	Nominal Dec [deg]
roll_nom	267.74562083302	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8217.5999694467	Sum of GTIs [s]
livetime	8113.5437705889	Livetime [s]
ontime4	8217.5999694467	Sum of GTIs [s]
ontime5	8217.5999694467	Sum of GTIs [s]
ontime6	8217.5999694467	Sum of GTIs [s]
ontime7	8217.5999694467	Sum of GTIs [s]
ontime8	8217.5999694467	Sum of GTIs [s]
ontime9	8217.5999694467	Sum of GTIs [s]
l2events	725681	Number of level 2 events

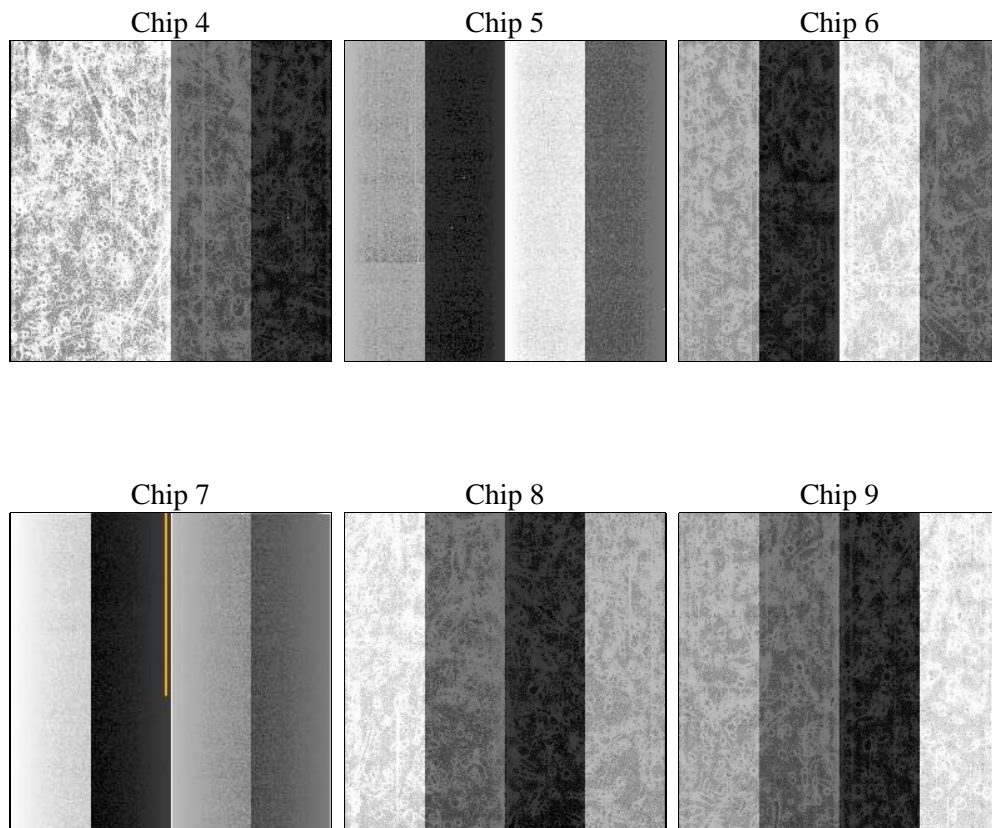
## 2 OBI

### 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	8217.5999694467	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8217.5999694467	Sum of GTIs [s]
date	2012-04-28T16:40:38	Date and time of file creation	ontime5	8217.5999694467	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8217.5999694467	Sum of GTIs [s]
			ontime7	8217.5999694467	Sum of GTIs [s]
			ontime8	8217.5999694467	Sum of GTIs [s]
			ontime9	8217.5999694467	Sum of GTIs [s]
			l1events	1260281	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	199989	228778	199650	217465	217268	197131	grade 0 events	67576	29353	65220	31346	69434	63757
rejected events	85512	74712	78313	66481	84057	80310		33%	12%	32%	14%	31%	32%
rejected %	42%	32%	39%	30%	38%	40%	grade 1 events	706	251	343	167	476	483
								0%	0%	0%	0%	0%	0%
							grade 2 events	17510	55595	21656	32942	24438	20226
								8%	24%	10%	15%	11%	10%
							grade 3 events	7759	6844	7535	14381	9054	7776
								3%	2%	3%	6%	4%	3%
							grade 4 events	7847	6825	7814	14287	9170	7706
								3%	2%	3%	6%	4%	3%
							grade 5 events	4110	10188	4292	10641	5585	4734
								2%	4%	2%	4%	2%	2%
							grade 6 events	14544	56552	19946	59038	21974	18166
								7%	24%	9%	27%	10%	9%
							grade 7 events	79937	63170	72844	54663	77137	74283
								39%	27%	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	188.0175933912243	Alternating exposures requested	N	N
[deg] Pointing Dec	0	33.97529873239229	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	267.7456208330215			
[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)	301839160.255388	301839159.2304			
Observation start date	2007-07-26T12:12:40	2007-07-26T12:12:39			
[s] Observation end time (MET)	301852136.75601	301852135.73102			
Observation end date	2007-07-26T15:48:57	2007-07-26T15:48:55			
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)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2175999694467

### A.2 Comments