

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61398 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 28 2012

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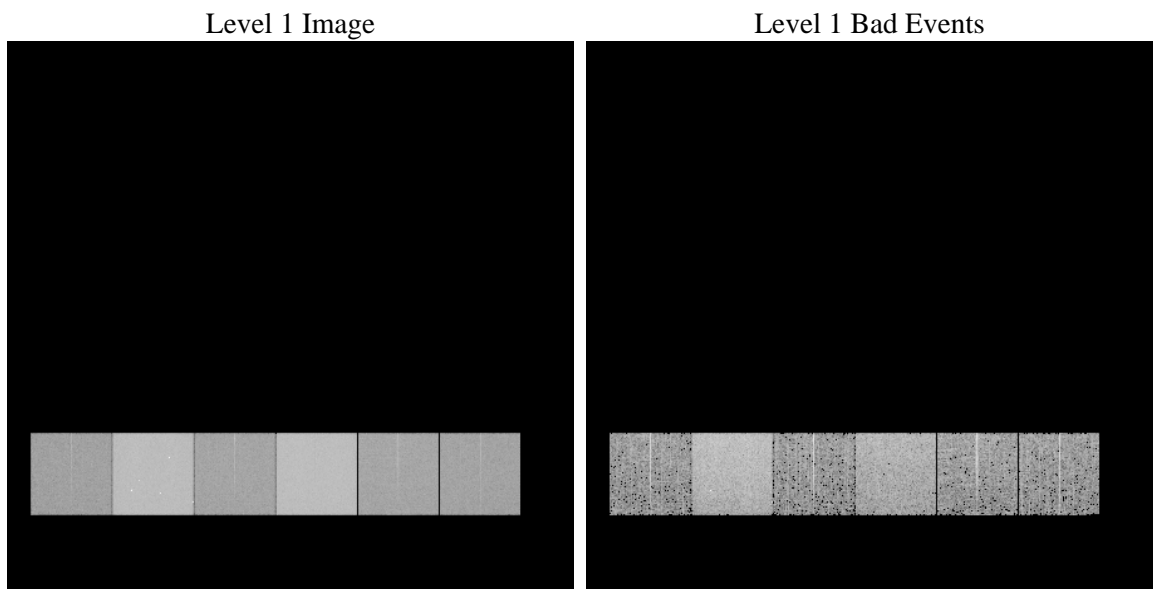
# 1 Front

seq_num	&#160	Sequence number
obs_id	61398	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	322.03003140998	Nominal RA [deg]
dec_nom	-52.02187977872	Nominal Dec [deg]
roll_nom	277.41623131342	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6661.1756079495	Sum of GTIs [s]
livetime	6576.8277915232	Livetime [s]
ontime4	2479.3933605999	Sum of GTIs [s]
ontime5	7134.31420739	Sum of GTIs [s]
ontime6	2699.7834420204	Sum of GTIs [s]
ontime7	6661.1756079495	Sum of GTIs [s]
ontime8	2806.7379810214	Sum of GTIs [s]
ontime9	2625.239791438	Sum of GTIs [s]
l2events	1310207	Number of level 2 events

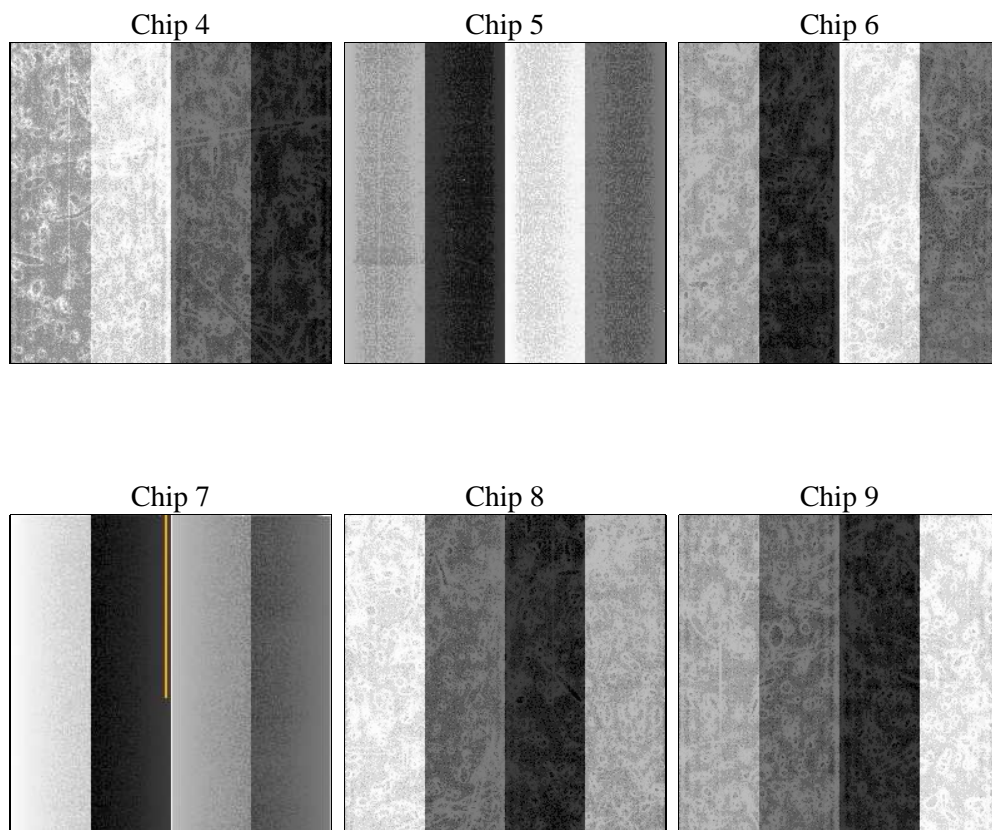
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6661.1756079495	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	2479.3933605999	Sum of GTIs [s]
date	2012-09-28T08:40:14	Date and time of file creation	ontime5	7134.31420739	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2699.7834420204	Sum of GTIs [s]
			ontime7	6661.1756079495	Sum of GTIs [s]
			ontime8	2806.7379810214	Sum of GTIs [s]
			ontime9	2625.239791438	Sum of GTIs [s]
			l1events	1540802	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	156908	416883	180611	426733	189481	170186	grade 0 events	76993	86872	87236	99264	91790	81823
rejected events	20623	51294	20717	35704	22702	20797		49%	20%	48%	23%	48%	48%
rejected %	13%	12%	11%	8%	11%	12%	grade 1 events	425	387	488	286	412	454
								0%	0%	0%	0%	0%	0%
							grade 2 events	24273	132022	27928	86621	29146	26440
								15%	31%	15%	20%	15%	15%
							grade 3 events	8375	22867	9938	39557	10751	9405
								5%	5%	5%	9%	5%	5%
							grade 4 events	8239	22489	9727	39274	10455	9229
								5%	5%	5%	9%	5%	5%
							grade 5 events	1326	9677	1480	7343	1731	1521
								0%	2%	0%	1%	0%	0%
							grade 6 events	18405	101485	25065	126490	24637	22492
								11%	24%	13%	29%	13%	13%
							grade 7 events	18872	41084	18749	27898	20559	18822
								12%	9%	10%	6%	10%	11%

## 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	322.0300314099757	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-52.02187977871994	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	277.4162313134163			
[mm] SIM focus pos	-0.684267	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	123394495.379171	123394494.61071			
Observation start date	2001-11-29T04:14:55	2001-11-29T04:14:54			
[s] Observation end time (MET)	123415805.130022	123415804.36157			
Observation end date	2001-11-29T10:10:05	2001-11-29T10:10:04			
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)	2012.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.6611756079495

### A.2 Comments