

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 61514 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Jan 3 2013

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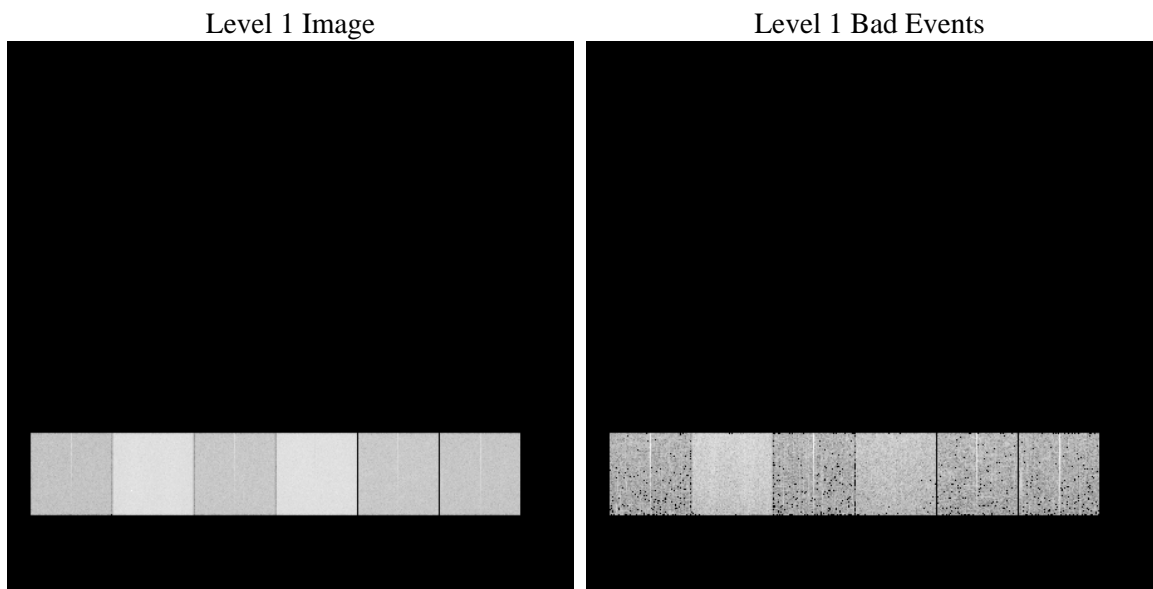
# 1 Front

seq_num	&#160	Sequence number
obs_id	61514	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	200.0120372906	Nominal RA [deg]
dec_nom	8.973923884223	Nominal Dec [deg]
roll_nom	261.75982309707	Nominal Roll [deg]
revision	4	Processing version of data
ontime	6220.7622537017	Sum of GTIs [s]
livetime	6141.991216352	Livetime [s]
ontime4	2322.7353569418	Sum of GTIs [s]
ontime5	6762.0016368628	Sum of GTIs [s]
ontime6	2549.5669568926	Sum of GTIs [s]
ontime7	6220.7622537017	Sum of GTIs [s]
ontime8	2626.5017548203	Sum of GTIs [s]
ontime9	2487.1376533061	Sum of GTIs [s]
l2events	1315641	Number of level 2 events

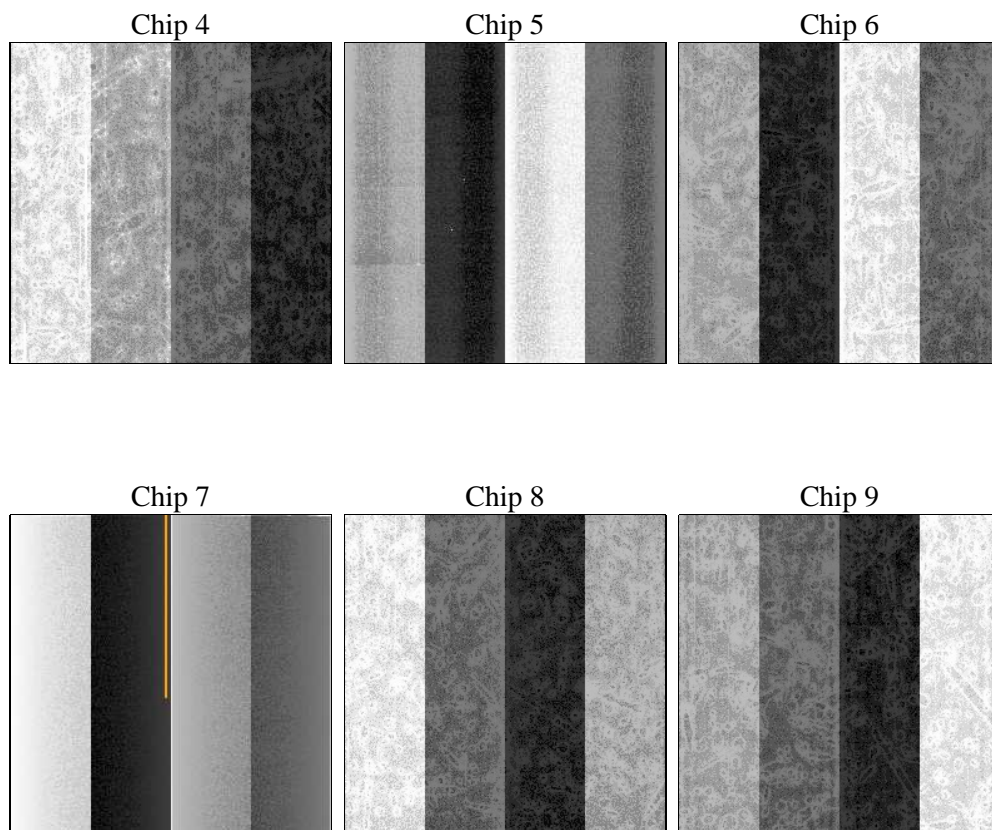
## 2 OBI

### 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	8.5.1.1	Processing system revision	ontime	6220.7622537017	Sum of GTIs [s]
caldbver	4.5.5	&#160	ontime4	2322.7353569418	Sum of GTIs [s]
date	2013-01-03T03:11:40	Date and time of file creation	ontime5	6762.0016368628	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	2549.5669568926	Sum of GTIs [s]
			ontime7	6220.7622537017	Sum of GTIs [s]
			ontime8	2626.5017548203	Sum of GTIs [s]
			ontime9	2487.1376533061	Sum of GTIs [s]
			l1events	1546725	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	155540	418905	182430	428071	189505	172274	grade 0 events	73911	75592	87794	99077	92226	82047
rejected events	21213	54012	21221	35229	22752	21559		47%	18%	48%	23%	48%	47%
rejected %	13%	12%	11%	8%	12%	12%	grade 1 events	360	195	392	253	431	436
								0%	0%	0%	0%	0%	0%
							grade 2 events	26648	143682	28853	87418	29734	27517
								17%	34%	15%	20%	15%	15%
							grade 3 events	7892	20211	9711	39789	10381	9229
								5%	4%	5%	9%	5%	5%
							grade 4 events	7857	19767	9575	38931	10254	9036
								5%	4%	5%	9%	5%	5%
							grade 5 events	1284	9441	1557	6999	1690	1541
								0%	2%	0%	1%	0%	0%
							grade 6 events	18547	106707	25656	128698	24574	23308
								11%	25%	14%	30%	12%	13%
							grade 7 events	19041	43310	18892	26906	20215	19160
								12%	10%	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	200.0120372906027	Alternating exposures requested	N	N
[deg] Pointing Dec	0	8.973923884223025	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	261.7598230970714			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	113338658.68	113338657.91195			
Observation start date	2001-08-04T18:57:39	2001-08-04T18:57:37			
[s] Observation end time (MET)	113360608.031	113360607.26281			
Observation end date	2001-08-05T01:03:28	2001-08-05T01:03:27			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.2207622537017

### A.2 Comments