

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 53844 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 24 2013

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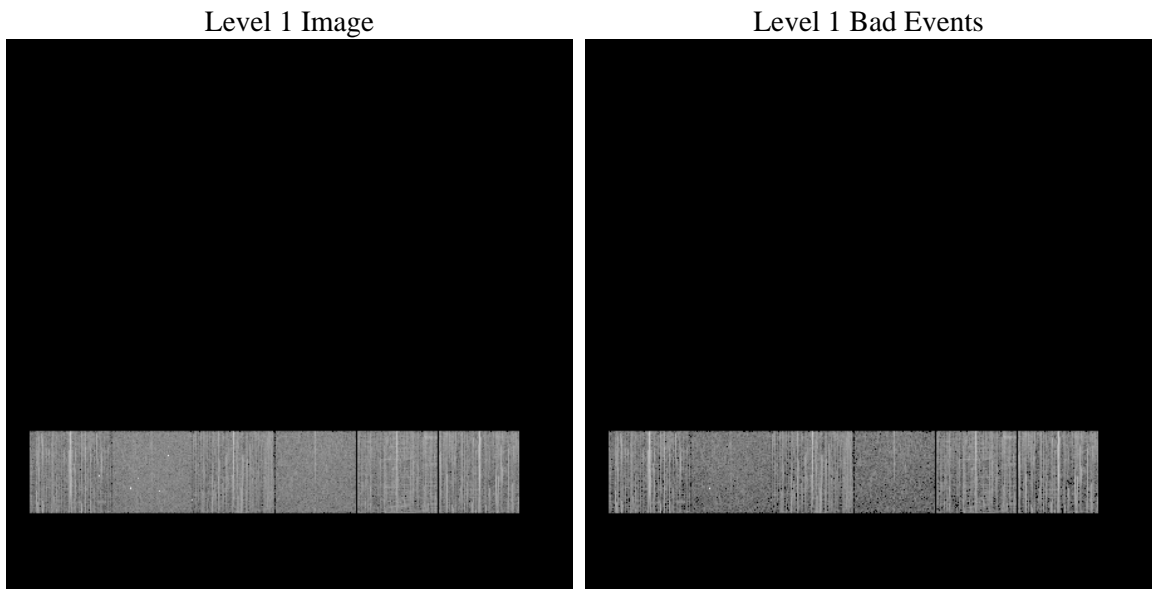
# 1 Front

seq_num	&#160	Sequence number
obs_id	53844	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	155.00797791274	Nominal RA [deg]
dec_nom	6.9720198280899	Nominal Dec [deg]
roll_nom	254.55976293568	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3283.173737824	Sum of GTIs [s]
livetime	3241.6002150658	Livetime [s]
ontime4	3283.0506178141	Sum of GTIs [s]
ontime5	3283.1326978207	Sum of GTIs [s]
ontime6	3283.0916578174	Sum of GTIs [s]
ontime7	3283.173737824	Sum of GTIs [s]
ontime8	3283.0095778108	Sum of GTIs [s]
ontime9	3283.1622678041	Sum of GTIs [s]
l2events	96953	Number of level 2 events

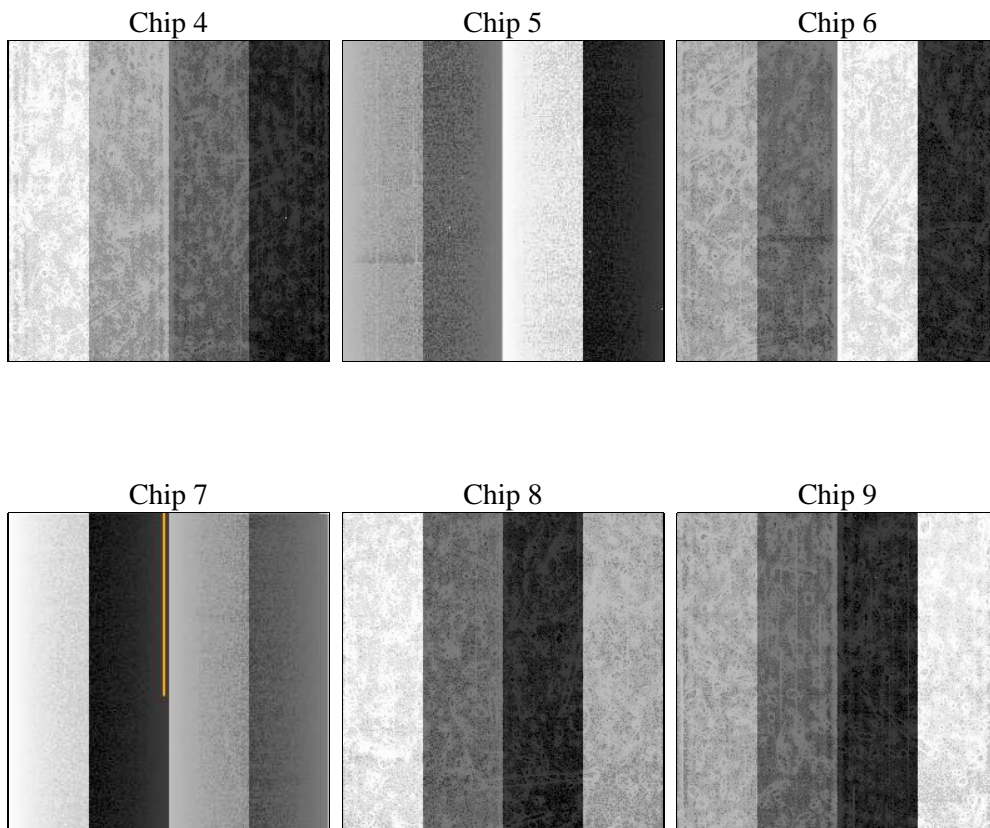
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	3283.173737824	Sum of GTIs [s]
caldbver	4.5.6	&#160	ontime4	3283.0506178141	Sum of GTIs [s]
date	2013-03-24T20:12:31	Date and time of file creation	ontime5	3283.1326978207	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3283.0916578174	Sum of GTIs [s]
			ontime7	3283.173737824	Sum of GTIs [s]
			ontime8	3283.0095778108	Sum of GTIs [s]
			ontime9	3283.1622678041	Sum of GTIs [s]
			l1events	379665	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	65847	56967	66082	51458	67780	71531	grade 0 events	7907	4199	6649	3441	7836	6773
rejected events	51844	30263	52431	27599	50575	58038		12%	7%	10%	6%	11%	9%
rejected %	78%	53%	79%	53%	74%	81%	grade 1 events	68	76	42	39	50	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	2455	9418	2884	5910	3513	2683
								3%	16%	4%	11%	5%	3%
							grade 3 events	942	916	882	1961	1336	931
								1%	1%	1%	3%	1%	1%
							grade 4 events	904	908	915	1972	1320	891
								1%	1%	1%	3%	1%	1%
							grade 5 events	1364	2680	1265	3008	1607	1480
								2%	4%	1%	5%	2%	2%
							grade 6 events	1795	11263	2321	10575	3200	2215
								2%	19%	3%	20%	4%	3%
							grade 7 events	50412	27507	51124	24552	48918	56531
								76%	48%	77%	47%	72%	79%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	155.0079779127437	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	6.972019828089875	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	254.5597629356849	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	480479693.011917	480479691.98692			
Observation start date	2013-03-24T02:34:53	2013-03-24T02:34:51			
[s] Observation end time (MET)	480488149.262374	480488148.23737			
Observation end date	2013-03-24T04:55:49	2013-03-24T04:55:48			
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)	2013.03.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.283173737824

### A.2 Comments