

# V&V Reference Report

## L2 ASCDS Version : 10.2.2

Observation 52763 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : May 19 2014

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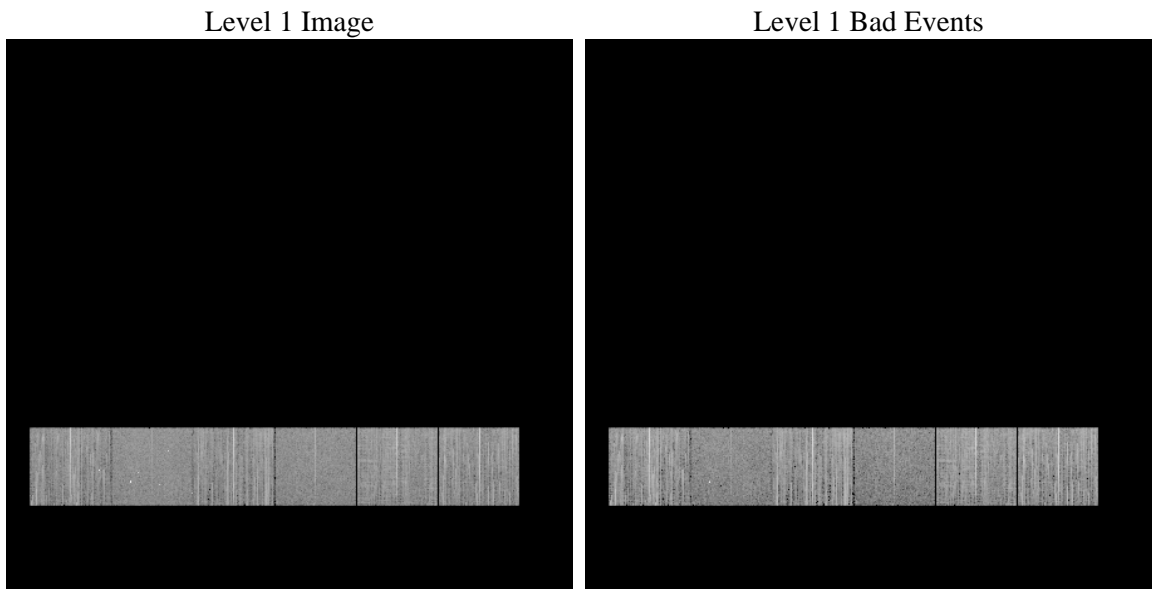
# 1 Front

seq_num	&#160	Sequence number
obs_id	52763	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	258.00619344677	Nominal RA [deg]
dec_nom	-44.963492995182	Nominal Dec [deg]
roll_nom	43.811561638375	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5362.3621823192	Sum of GTIs [s]
livetime	5294.4607235398	Livetime [s]
ontime4	5362.2390623093	Sum of GTIs [s]
ontime5	5362.3211423159	Sum of GTIs [s]
ontime6	5362.2801023126	Sum of GTIs [s]
ontime7	5362.3621823192	Sum of GTIs [s]
ontime8	5362.198022306	Sum of GTIs [s]
ontime9	5362.4032223225	Sum of GTIs [s]
l2events	131913	Number of level 2 events

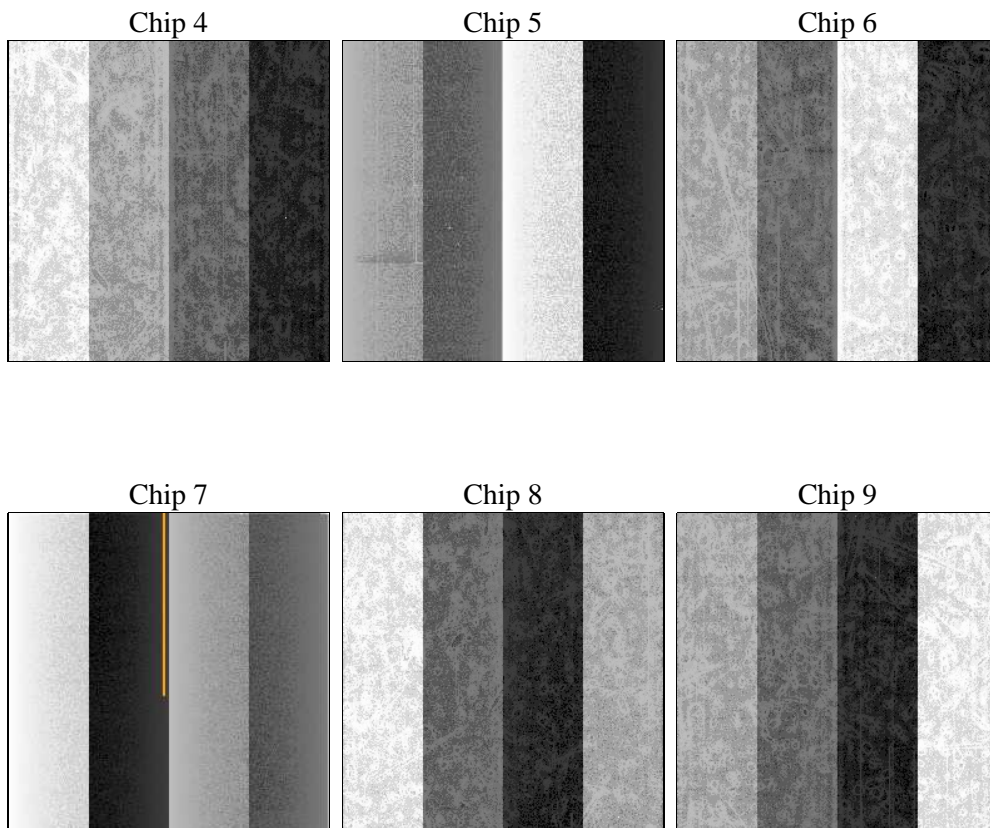
## 2 OBI

### 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	10.2.2	Processing system revision	ontime	5362.3621823192	Sum of GTIs [s]
caldsver	4.6.1	&#160	ontime4	5362.2390623093	Sum of GTIs [s]
date	2014-05-19T17:53:59	Date and time of file creation	ontime5	5362.3211423159	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5362.2801023126	Sum of GTIs [s]
			ontime7	5362.3621823192	Sum of GTIs [s]
			ontime8	5362.198022306	Sum of GTIs [s]
			ontime9	5362.4032223225	Sum of GTIs [s]
			l1events	561530	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	96365	84379	100528	78168	101954	100136	grade 0 events	10087	3889	8473	4476	10309	8752
rejected events	78296	47718	82653	44625	78301	82473		10%	4%	8%	5%	10%	8%
rejected %	81%	56%	82%	57%	76%	82%	grade 1 events	72	105	36	51	50	52
								0%	0%	0%	0%	0%	0%
							grade 2 events	3286	13686	4036	8390	5078	3569
								3%	16%	4%	10%	4%	3%
							grade 3 events	1258	1089	1114	2643	1831	1240
								1%	1%	1%	3%	1%	1%
							grade 4 events	1218	1026	1149	2581	1820	1203
								1%	1%	1%	3%	1%	1%
							grade 5 events	1984	3783	1920	4586	2567	2287
								2%	4%	1%	5%	2%	2%
							grade 6 events	2287	17125	3168	15581	4714	2969
								2%	20%	3%	19%	4%	2%
							grade 7 events	76173	43676	80632	39860	75585	80064
								79%	51%	80%	50%	74%	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	258.0061934467673	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-44.9634929951824	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	43.81156163837524	[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)	516838335.100478	516838334.07548			
Observation start date	2014-05-18T22:12:15	2014-05-18T22:12:14			
[s] Observation end time (MET)	516848304.251029	516848303.22603			
Observation end date	2014-05-19T00:58:24	2014-05-19T00:58:23			
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)	2014.05.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.3623621823192

### A.2 Comments