

# V&V Reference Report

## L2 ASCDS Version : 10.3.3

Observation 51912 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : May 5 2015

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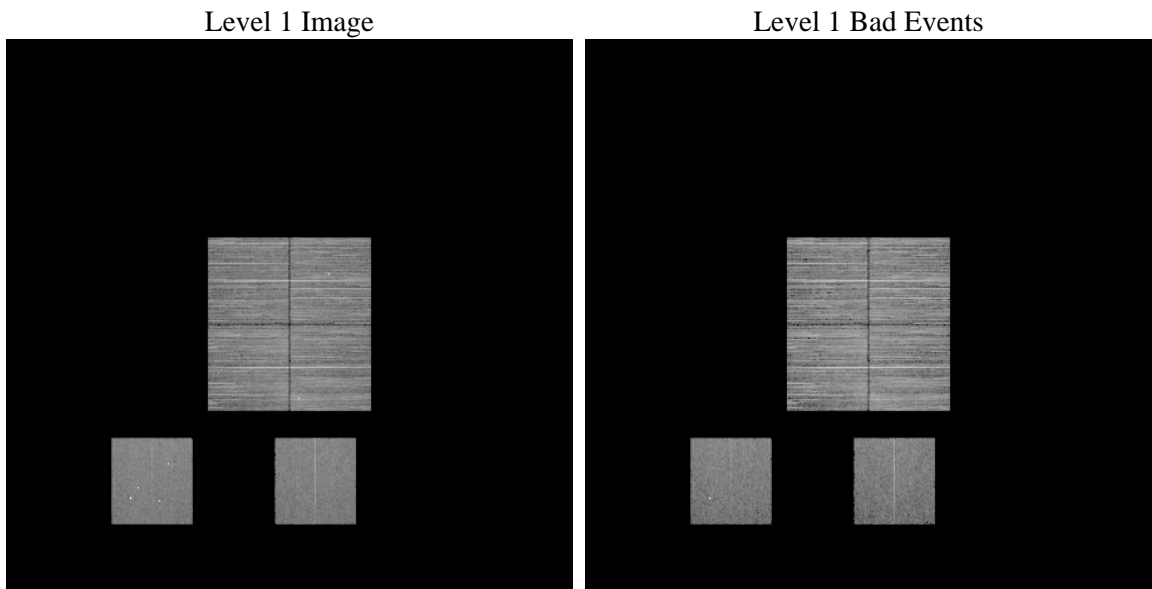
# 1 Front

seq_num	&#160	Sequence number
obs_id	51912	Observation id
title	ACIS-012357 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	257.98581881824	Nominal RA [deg]
dec_nom	-23.974196302136	Nominal Dec [deg]
roll_nom	83.837356157424	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8283.6374849081	Sum of GTIs [s]
livetime	8178.7450792665	Livetime [s]
ontime0	8283.5964448452	Sum of GTIs [s]
ontime1	8283.5554049015	Sum of GTIs [s]
ontime2	8283.5143648386	Sum of GTIs [s]
ontime3	8283.6785248518	Sum of GTIs [s]
ontime5	8283.4733248949	Sum of GTIs [s]
ontime7	8283.6374849081	Sum of GTIs [s]
l2events	174568	Number of level 2 events

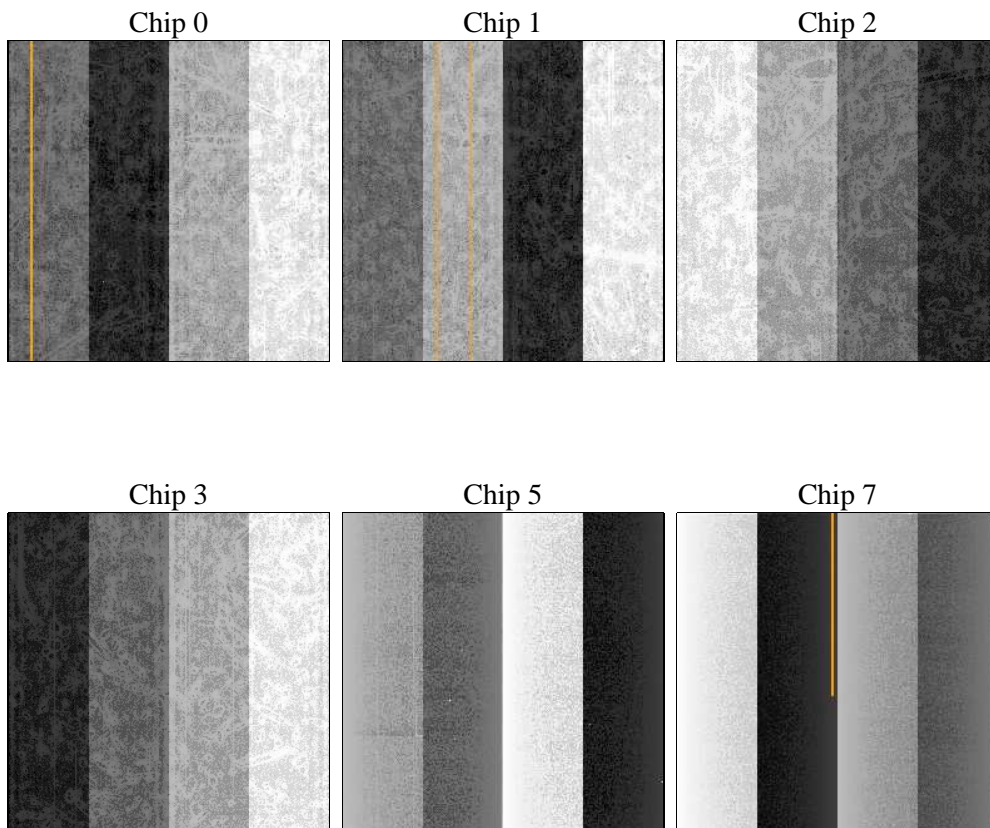
## 2 OBI

### 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	10.3.3	Processing system revision	ontime	8283.6374849081	Sum of GTIs [s]
caldsver	4.6.7	&#160	ontime0	8283.5964448452	Sum of GTIs [s]
date	2015-05-06T01:36:12	Date and time of file creation	ontime1	8283.5554049015	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8283.5143648386	Sum of GTIs [s]
			ontime3	8283.6785248518	Sum of GTIs [s]
			ontime5	8283.4733248949	Sum of GTIs [s]
			ontime7	8283.6374849081	Sum of GTIs [s]
			l1events	803560	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	131559	146403	141785	144991	126456	112366	grade 0 events	10567	12575	11284	13435	10077	5723
rejected events	109849	121906	119622	120632	69733	65768		8%	8%	7%	9%	7%	5%
rejected %	83%	83%	84%	83%	55%	58%	grade 1 events	48	55	66	108	111	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	4717	5124	4465	4430	19276	11746
								3%	3%	3%	3%	15%	10%
							grade 3 events	1481	1436	1556	1555	1473	3572
								1%	0%	1%	1%	1%	3%
							grade 4 events	1424	1482	1524	1525	1458	3537
								1%	1%	1%	1%	1%	3%
							grade 5 events	2700	2664	2506	2993	5258	6887
								2%	1%	1%	2%	4%	6%
							grade 6 events	3521	3880	3334	3414	24439	22020
								2%	2%	2%	2%	19%	19%
							grade 7 events	107101	119187	117050	117531	64364	58799
								81%	81%	82%	81%	50%	52%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	257.9858188182411	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-23.974196302136	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	83.83735615742351	[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)	547192000.039844	547191999.01484			
Observation start date	2015-05-05T05:46:40	2015-05-05T05:46:39			
[s] Observation end time (MET)	547212026.4909689	547212025.46597			
Observation end date	2015-05-05T11:20:26	2015-05-05T11:20:25			
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)	2015.05.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2836374849081

### A.2 Comments