

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52835 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 14 2014

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

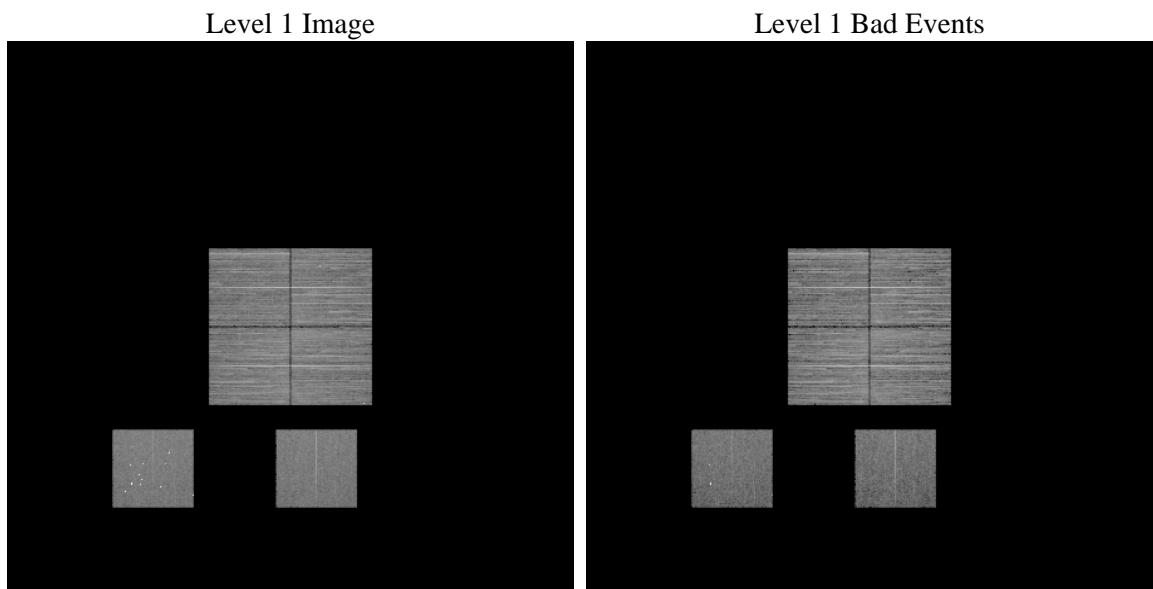
1 Front

seq_num	 	Sequence number
obs_id	52835	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
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	229.98525372747	Nominal RA [deg]
dec_nom	-11.975259461939	Nominal Dec [deg]
roll_nom	87.308818917511	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8467.1999685168	Sum of GTIs [s]
livetime	8359.9831841797	Livetime [s]
ontime0	8467.1999685168	Sum of GTIs [s]
ontime1	8467.1999685168	Sum of GTIs [s]
ontime2	8467.1999685168	Sum of GTIs [s]
ontime3	8467.1999685168	Sum of GTIs [s]
ontime5	8467.1999685168	Sum of GTIs [s]
ontime7	8467.1999685168	Sum of GTIs [s]
l2events	203558	Number of level 2 events

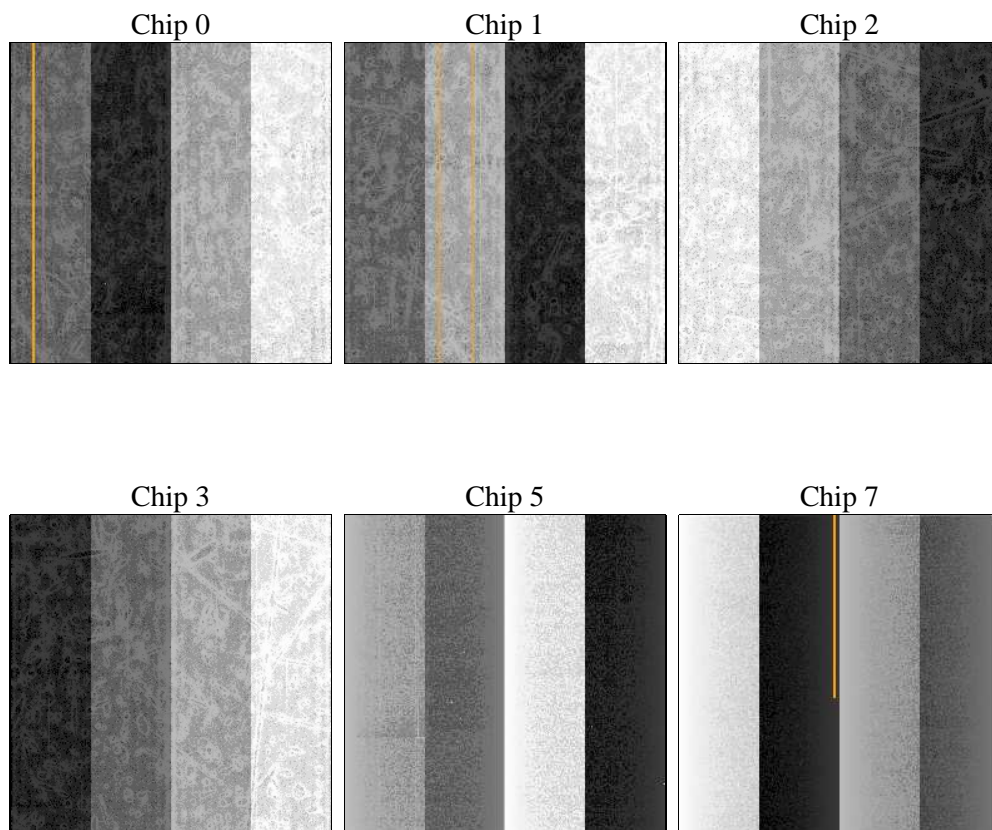
2 OBI

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	10.2.1	Processing system revision	ontime	8467.1999685168	Sum of GTIs [s]
caldsver	4.6.1	 	ontime0	8467.1999685168	Sum of GTIs [s]
date	2014-04-14T21:27:42	Date and time of file creation	ontime1	8467.1999685168	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8467.1999685168	Sum of GTIs [s]
			ontime3	8467.1999685168	Sum of GTIs [s]
			ontime5	8467.1999685168	Sum of GTIs [s]
			ontime7	8467.1999685168	Sum of GTIs [s]
			l1events	859554	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	138587	148821	155307	152038	145446	119355	grade 0 events	13332	13160	13847	14557	16631	6657
rejected events	111378	120623	128046	123974	73467	68045		9%	8%	8%	9%	11%	5%
rejected %	80%	81%	82%	81%	50%	57%	grade 1 events	50	52	65	85	164	84
								0%	0%	0%	0%	0%	0%
							grade 2 events	5880	6622	5499	5451	23159	12916
								4%	4%	3%	3%	15%	10%
							grade 3 events	1831	1726	1904	1846	1895	3779
								1%	1%	1%	1%	1%	3%
							grade 4 events	1745	1748	1797	1933	1631	3839
								1%	1%	1%	1%	1%	3%
							grade 5 events	2682	2593	2524	3025	5420	6800
								1%	1%	1%	1%	3%	5%
							grade 6 events	4421	4942	4214	4277	28663	24119
								3%	3%	2%	2%	19%	20%
							grade 7 events	108646	117978	125457	120864	67883	61161
								78%	79%	80%	79%	46%	51%

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	229.9852537274705	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-11.97525946193912	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	87.30881891751142	[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)	513866269.536447	513866268.51145			
Observation start date	2014-04-14T12:37:50	2014-04-14T12:37:48			
[s] Observation end time (MET)	513877567.087071	513877566.06207			
Observation end date	2014-04-14T15:46:07	2014-04-14T15:46:06			
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)	2014.04.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4671999685168

A.2 Comments