

V&V Reference Report

L2 ASCDS Version : 10.3

Observation 52288 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 28 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

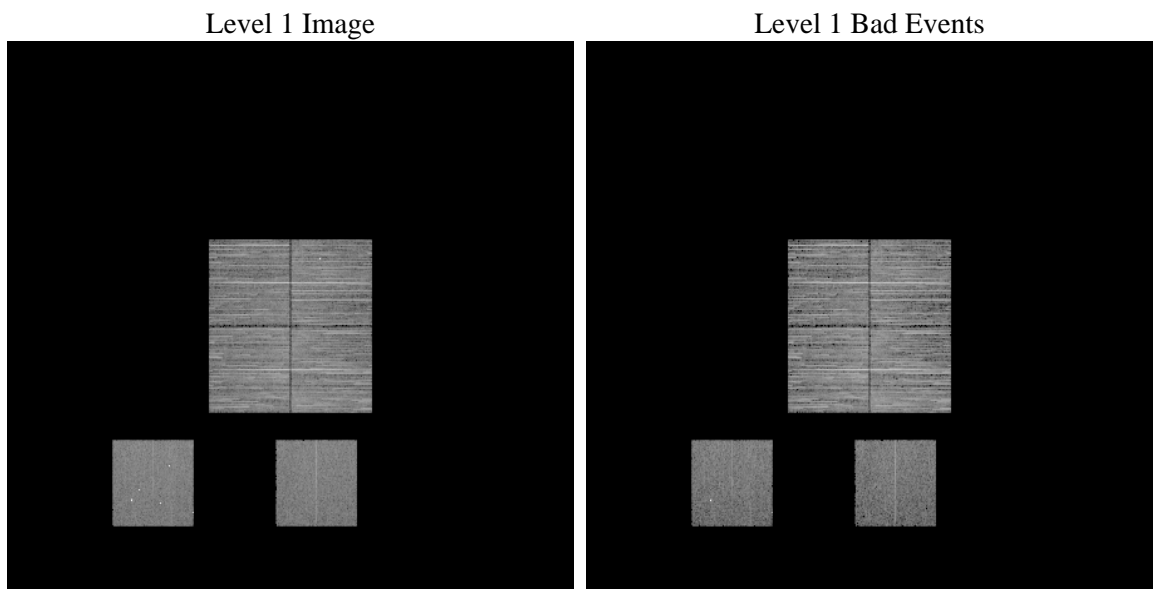
1 Front

seq_num	 	Sequence number
obs_id	52288	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	59.522929630944	Nominal RA [deg]
dec_nom	-2.9877130211847	Nominal Dec [deg]
roll_nom	351.83115308402	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5484.7999796271	Sum of GTIs [s]
livetime	5415.348139735	Livetime [s]
ontime0	5484.7999796271	Sum of GTIs [s]
ontime1	5484.7999796271	Sum of GTIs [s]
ontime2	5484.7999796271	Sum of GTIs [s]
ontime3	5478.3178188801	Sum of GTIs [s]
ontime5	5484.7999796271	Sum of GTIs [s]
ontime7	5484.7999796271	Sum of GTIs [s]
l2events	126631	Number of level 2 events

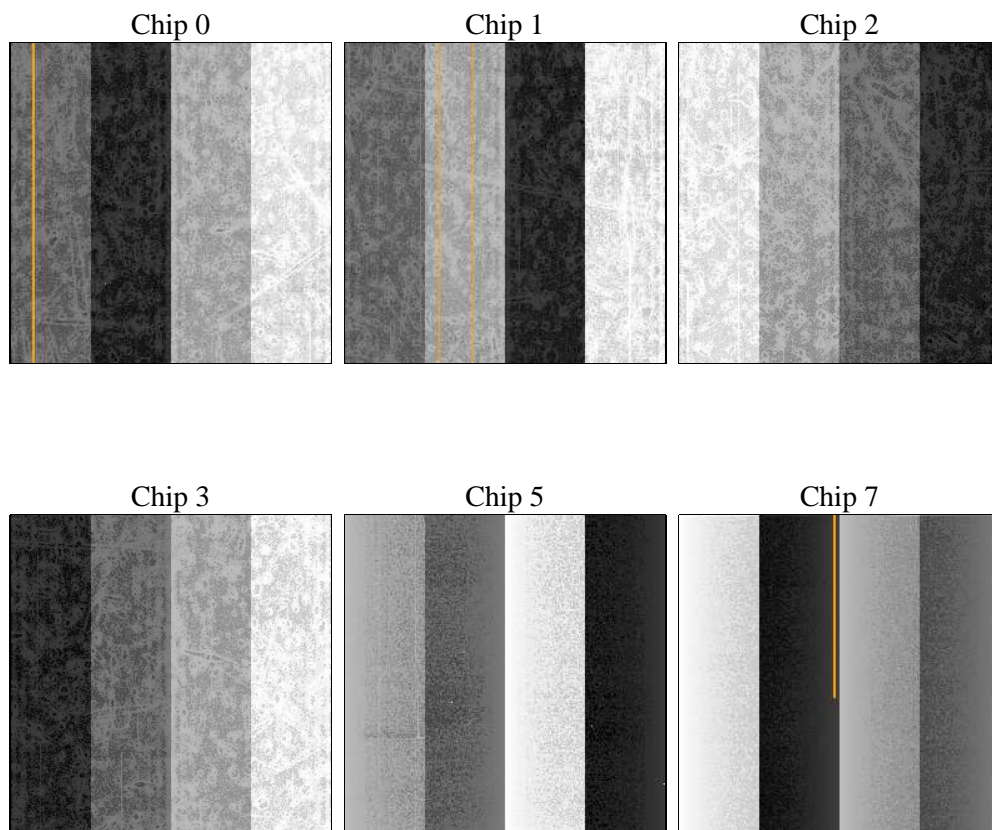
2 OBI

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	Processing system revision	ontime	5484.7999796271	Sum of GTIs [s]
caldsver	4.6.4	 	ontime0	5484.7999796271	Sum of GTIs [s]
date	2014-11-28T11:54:08	Date and time of file creation	ontime1	5484.7999796271	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5484.7999796271	Sum of GTIs [s]
			ontime3	5478.3178188801	Sum of GTIs [s]
			ontime5	5484.7999796271	Sum of GTIs [s]
			ontime7	5484.7999796271	Sum of GTIs [s]
			l1events	590994	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	95401	103984	107531	112431	90614	81033	grade 0 events	7627	8862	7990	8040	6595	4198
rejected events	79520	86459	91613	96287	51023	47061		7%	8%	7%	7%	7%	5%
rejected %	83%	83%	85%	85%	56%	58%	grade 1 events	45	43	34	55	170	52
								0%	0%	0%	0%	0%	0%
							grade 2 events	3349	3721	3176	3300	13176	8413
								3%	3%	2%	2%	14%	10%
							grade 3 events	1075	1067	1117	1108	1210	2657
								1%	1%	1%	0%	1%	3%
							grade 4 events	1129	1046	1129	1190	999	2592
								1%	1%	1%	1%	1%	3%
							grade 5 events	1967	1911	1804	2227	4145	5016
								2%	1%	1%	1%	4%	6%
							grade 6 events	2701	2838	2513	2506	17631	16112
								2%	2%	2%	2%	19%	19%
							grade 7 events	77508	84496	89768	94005	46688	41993
								81%	81%	83%	83%	51%	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	59.52292963094364	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-2.987713021184699	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	351.8311530840234	[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)	533485842.773852	533485841.74885			
Observation start date	2014-11-27T14:30:43	2014-11-27T14:30:41			
[s] Observation end time (MET)	533496732.374459	533496731.34946			
Observation end date	2014-11-27T17:32:12	2014-11-27T17:32:11			
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)	2014.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.4847999796271

A.2 Comments