

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 54010 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 17 2013

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

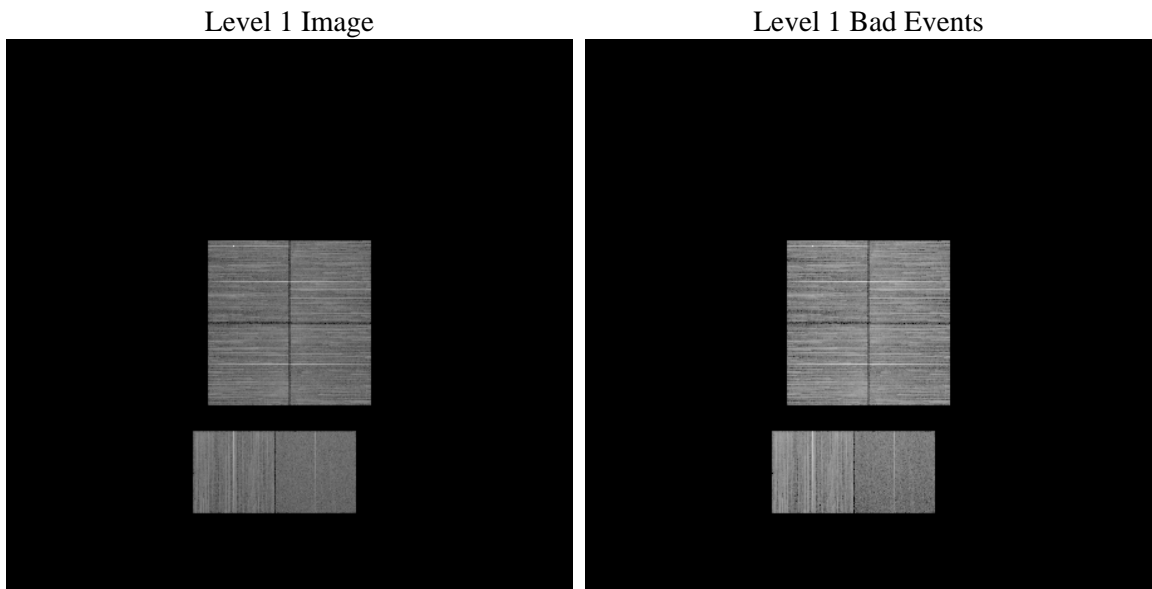
1 Front

seq_num	 	Sequence number
obs_id	54010	Observation id
title	ACIS-012367 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	109.02821804361	Nominal RA [deg]
dec_nom	-7.9930885849377	Nominal Dec [deg]
roll_nom	340.98190153476	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8287.3340508938	Sum of GTIs [s]
livetime	8182.3948371079	Livetime [s]
ontime0	8287.3566070199	Sum of GTIs [s]
ontime1	8287.3566171527	Sum of GTIs [s]
ontime2	8287.8994053006	Sum of GTIs [s]
ontime3	8287.2930210233	Sum of GTIs [s]
ontime6	8287.8583652973	Sum of GTIs [s]
ontime7	8287.3340508938	Sum of GTIs [s]
l2events	221769	Number of level 2 events

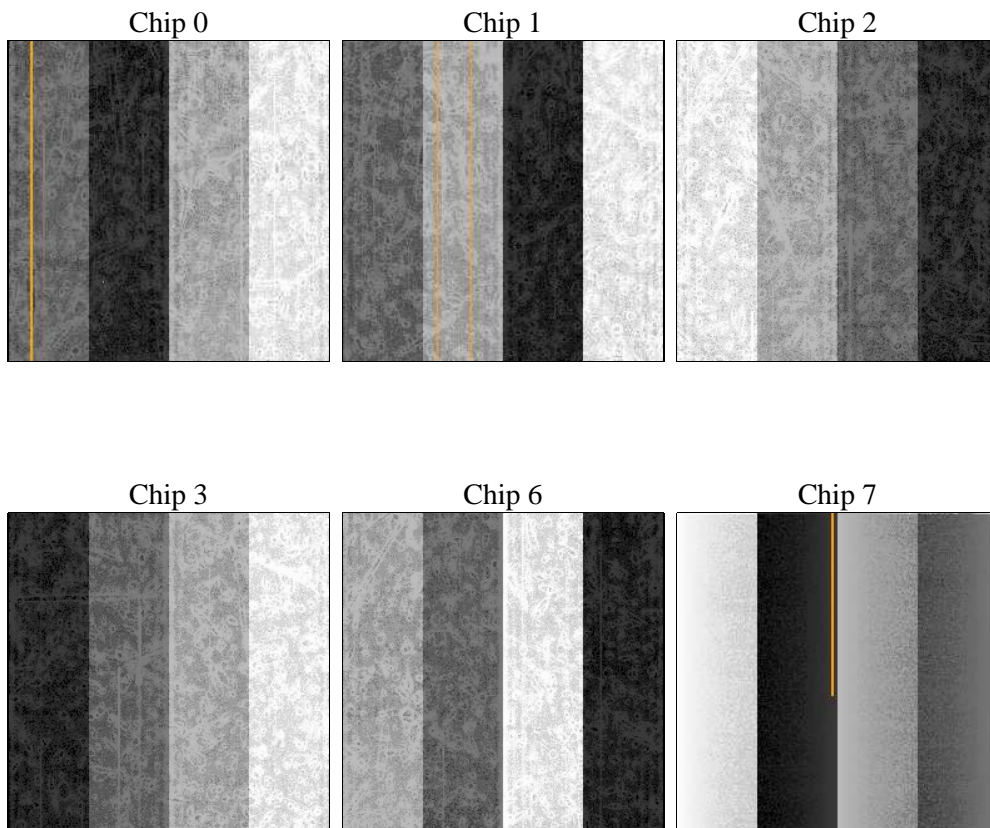
2 OBI

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	8.5.1.1	Processing system revision	ontime	8287.3340508938	Sum of GTIs [s]
caldbver	4.5.5	 	ontime0	8287.3566070199	Sum of GTIs [s]
date	2013-01-17T19:55:28	Date and time of file creation	ontime1	8287.3566171527	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8287.8994053006	Sum of GTIs [s]
			ontime3	8287.2930210233	Sum of GTIs [s]
			ontime6	8287.8583652973	Sum of GTIs [s]
			ontime7	8287.3340508938	Sum of GTIs [s]
			l1events	1035045	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	175396	189093	182990	174182	179263	134121	grade 0 events	16744	15177	17522	17582	15091	8372
rejected events	136241	154531	148593	139451	143695	72971		9%	8%	9%	10%	8%	6%
rejected %	77%	81%	81%	80%	80%	54%	grade 1 events	105	61	96	101	54	104
								0%	0%	0%	0%	0%	0%
							grade 2 events	12541	9227	7217	7313	9975	15419
								7%	4%	3%	4%	5%	11%
							grade 3 events	2168	2047	2252	2254	1863	4603
								1%	1%	1%	1%	1%	3%
							grade 4 events	2120	1990	2238	2253	1911	4427
								1%	1%	1%	1%	1%	3%
							grade 5 events	2758	2722	2597	3060	2809	7326
								1%	1%	1%	1%	1%	5%
							grade 6 events	5582	6121	5184	5329	6739	28329
								3%	3%	2%	3%	3%	21%
							grade 7 events	133378	151748	145884	136290	140821	65541
								76%	80%	79%	78%	78%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	109.0282180436054	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-7.99308858493772	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	340.9819015347558	[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)	474791336.304525	474791335.27953			
Observation start date	2013-01-17T06:28:56	2013-01-17T06:28:55			
[s] Observation end time (MET)	474802391.955121	474802390.93012			
Observation end date	2013-01-17T09:33:12	2013-01-17T09:33:10			
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)	2013.01.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2873340508938

A.2 Comments