

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52633 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 16 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

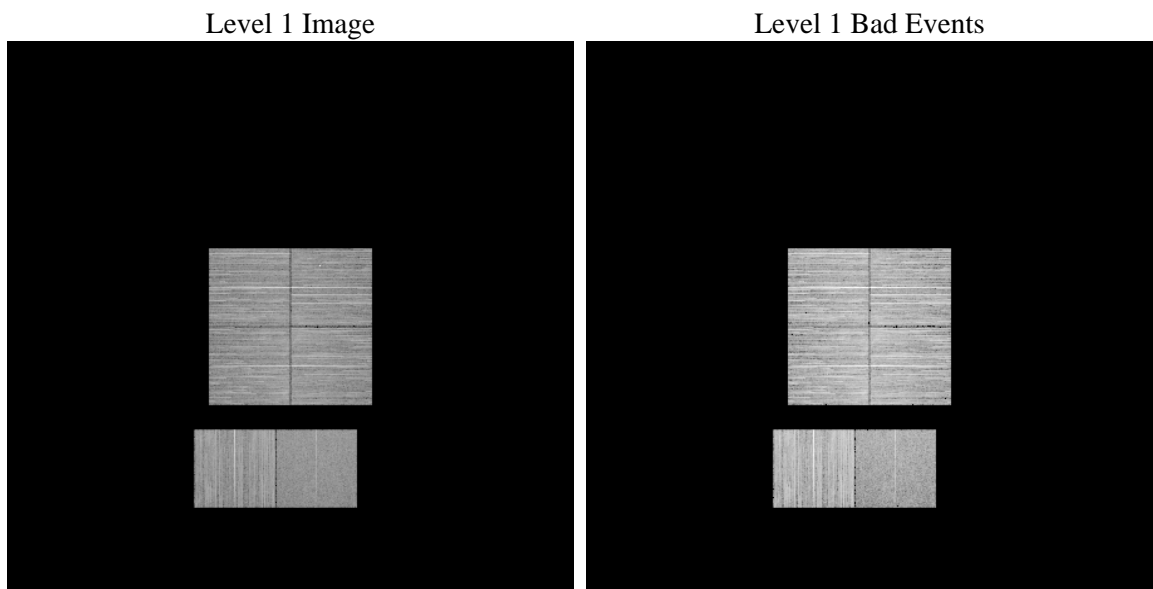
1 Front

seq_num	 	Sequence number
obs_id	52633	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	135.03325872038	Nominal RA [deg]
dec_nom	-22.82442880197	Nominal Dec [deg]
roll_nom	205.11983665666	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8469.182341516	Sum of GTIs [s]
livetime	8361.9404551784	Livetime [s]
ontime0	8469.1413015127	Sum of GTIs [s]
ontime1	8469.1002615094	Sum of GTIs [s]
ontime2	8469.0592215061	Sum of GTIs [s]
ontime3	8469.2233815193	Sum of GTIs [s]
ontime6	8469.0181815028	Sum of GTIs [s]
ontime7	8469.182341516	Sum of GTIs [s]
l2events	172201	Number of level 2 events

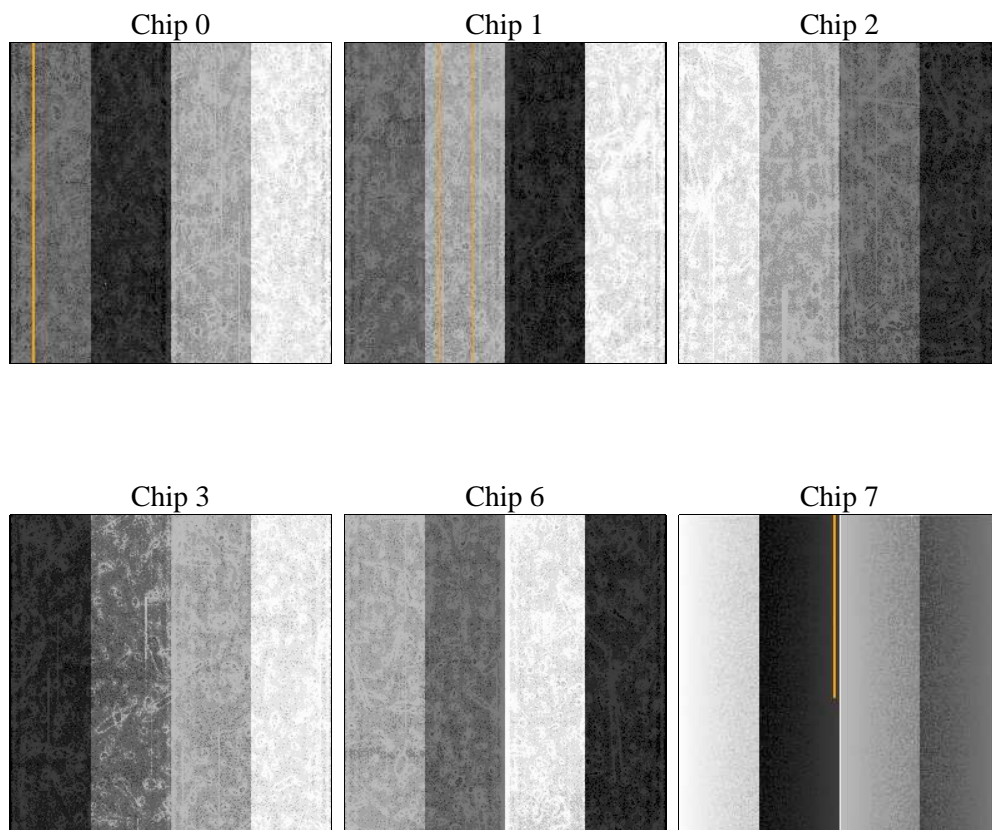
2 OBI

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	10.2.4	Processing system revision	ontime	8469.182341516	Sum of GTIs [s]
caldsver	4.6.2	 	ontime0	8469.1413015127	Sum of GTIs [s]
date	2014-07-16T15:11:51	Date and time of file creation	ontime1	8469.1002615094	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8469.0592215061	Sum of GTIs [s]
			ontime3	8469.2233815193	Sum of GTIs [s]
			ontime6	8469.0181815028	Sum of GTIs [s]
			ontime7	8469.182341516	Sum of GTIs [s]
			l1events	809598	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	140760	136139	135929	140657	141447	114666	grade 0 events	12895	13661	13413	13498	13224	6937
rejected events	114769	108782	109699	114407	114188	63704		9%	10%	9%	9%	9%	6%
rejected %	81%	79%	80%	81%	80%	55%	grade 1 events	86	59	78	85	61	88
								0%	0%	0%	0%	0%	0%
							grade 2 events	5313	5702	5176	5030	5637	12313
								3%	4%	3%	3%	3%	10%
							grade 3 events	1822	1716	1842	1860	1784	4084
								1%	1%	1%	1%	1%	3%
							grade 4 events	1761	1836	1850	1855	1854	4051
								1%	1%	1%	1%	1%	3%
							grade 5 events	2683	2892	2633	3025	2944	7081
								1%	2%	1%	2%	2%	6%
							grade 6 events	4203	4447	3958	4016	4766	23587
								2%	3%	2%	2%	3%	20%
							grade 7 events	111997	105826	106979	111288	111177	56525
								79%	77%	78%	79%	78%	49%

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	135.033258720385	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-22.82442880196995	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	205.1198366566649	[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)	521866944.378634	521866943.35363			
Observation start date	2014-07-16T03:02:24	2014-07-16T03:02:23			
[s] Observation end time (MET)	521877680.229229	521877679.20423			
Observation end date	2014-07-16T06:01:20	2014-07-16T06:01:19			
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)	2014.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.469182341516

A.2 Comments