

V&V Reference Report

L2 ASCDS Version : 10

Observation 53389 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 18 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

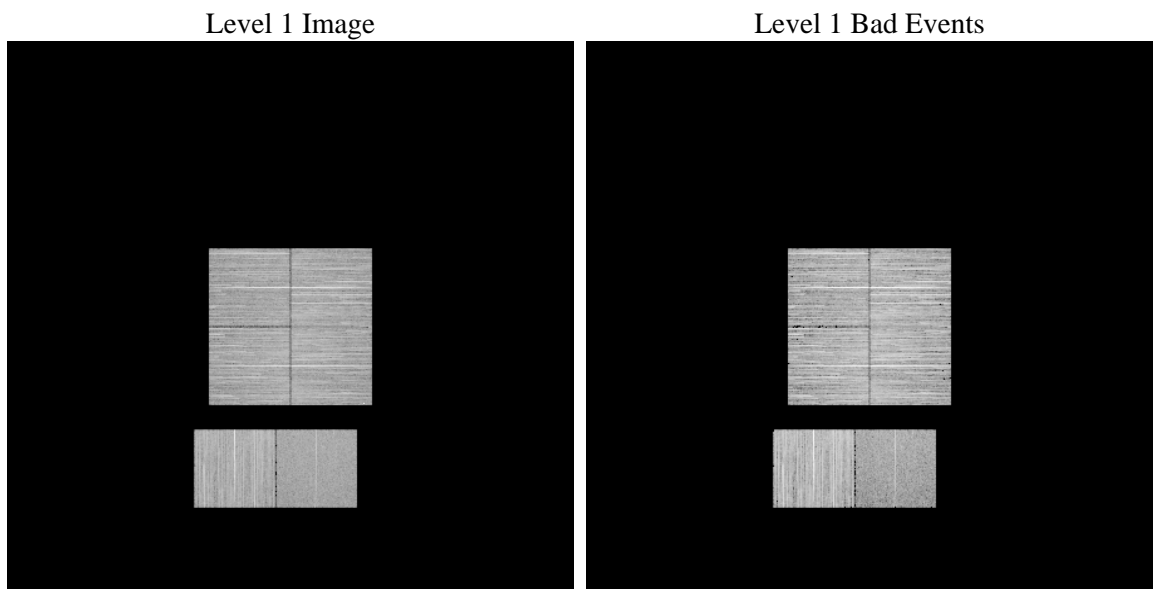
1 Front

seq_num	 	Sequence number
obs_id	53389	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	339.81746383396	Nominal RA [deg]
dec_nom	17.150820940885	Nominal Dec [deg]
roll_nom	218.73176318774	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7035.8034069538	Sum of GTIs [s]
livetime	6946.7118277628	Livetime [s]
ontime0	7035.7623669505	Sum of GTIs [s]
ontime1	7035.7213269472	Sum of GTIs [s]
ontime2	7035.6802869439	Sum of GTIs [s]
ontime3	7035.8444469571	Sum of GTIs [s]
ontime6	7035.6392469406	Sum of GTIs [s]
ontime7	7035.8034069538	Sum of GTIs [s]
l2events	205497	Number of level 2 events

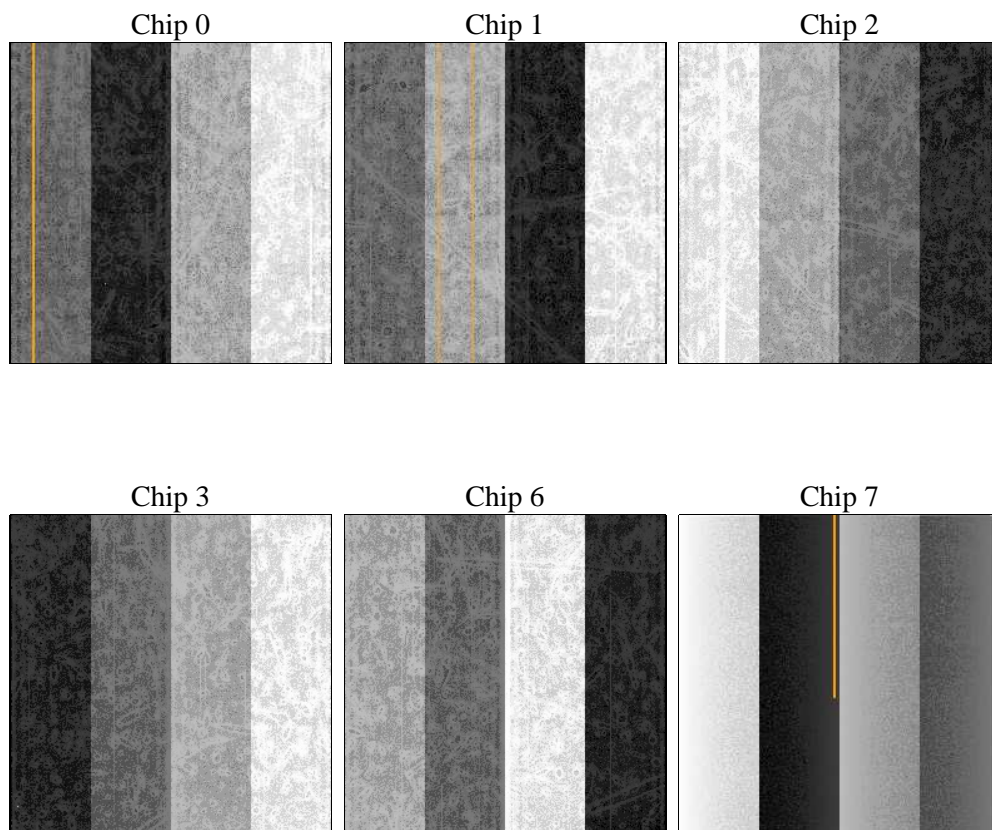
2 OBI

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	Processing system revision	ontime	7035.8034069538	Sum of GTIs [s]
caldsver	4.5.8	 	ontime0	7035.7623669505	Sum of GTIs [s]
date	2013-09-18T04:44:47	Date and time of file creation	ontime1	7035.7213269472	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7035.6802869439	Sum of GTIs [s]
			ontime3	7035.8444469571	Sum of GTIs [s]
			ontime6	7035.6392469406	Sum of GTIs [s]
			ontime7	7035.8034069538	Sum of GTIs [s]
			l1events	799064	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	124538	141048	135314	137564	151797	108803	grade 0 events	16136	15221	16648	17211	16177	8275
rejected events	92134	108119	102858	104134	117389	56364		12%	10%	12%	12%	10%	7%
rejected %	73%	76%	76%	75%	77%	51%	grade 1 events	78	64	90	87	62	78
								0%	0%	0%	0%	0%	0%
							grade 2 events	6557	7642	6221	6464	7423	13078
								5%	5%	4%	4%	4%	12%
							grade 3 events	2151	2049	2135	2175	2108	4066
								1%	1%	1%	1%	1%	3%
							grade 4 events	1960	2010	2053	2201	2116	4077
								1%	1%	1%	1%	1%	3%
							grade 5 events	2449	2319	2215	2646	2585	5997
								1%	1%	1%	1%	1%	5%
							grade 6 events	5600	6007	5399	5379	6584	22943
								4%	4%	3%	3%	4%	21%
							grade 7 events	89607	105736	100553	101401	114742	50289
								71%	74%	74%	73%	75%	46%

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	339.8174638339596	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	17.15082094088527	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	218.7317631877444	[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)	495783421.493464	495783420.46846			
Observation start date	2013-09-17T05:37:01	2013-09-17T05:37:00			
[s] Observation end time (MET)	495797209.794217	495797208.76922			
Observation end date	2013-09-17T09:26:50	2013-09-17T09:26:48			
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)	2013.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.0358034069538

A.2 Comments