

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54405 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 17 2012

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

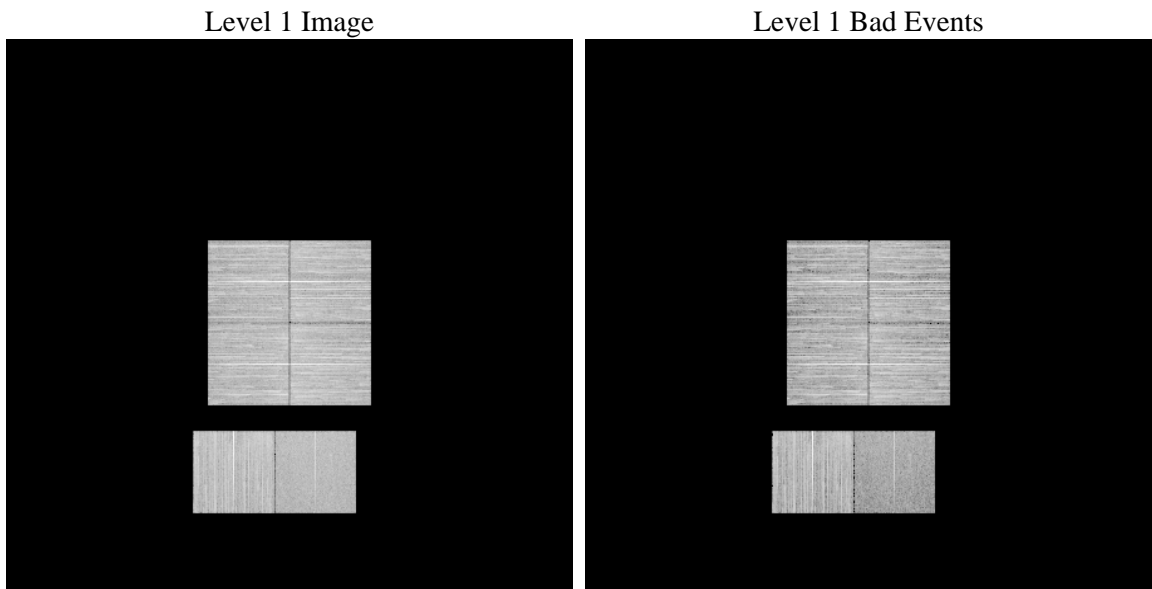
1 Front

seq_num	 	Sequence number
obs_id	54405	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	348.87239783367	Nominal RA [deg]
dec_nom	-1.6846183637222	Nominal Dec [deg]
roll_nom	119.01346059075	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8287.9999691844	Sum of GTIs [s]
livetime	8183.0523231401	Livetime [s]
ontime0	8287.9999691844	Sum of GTIs [s]
ontime1	8287.9999691844	Sum of GTIs [s]
ontime2	8287.9999691844	Sum of GTIs [s]
ontime3	8287.9999691844	Sum of GTIs [s]
ontime6	8287.9999691844	Sum of GTIs [s]
ontime7	8287.9999691844	Sum of GTIs [s]
l2events	268557	Number of level 2 events

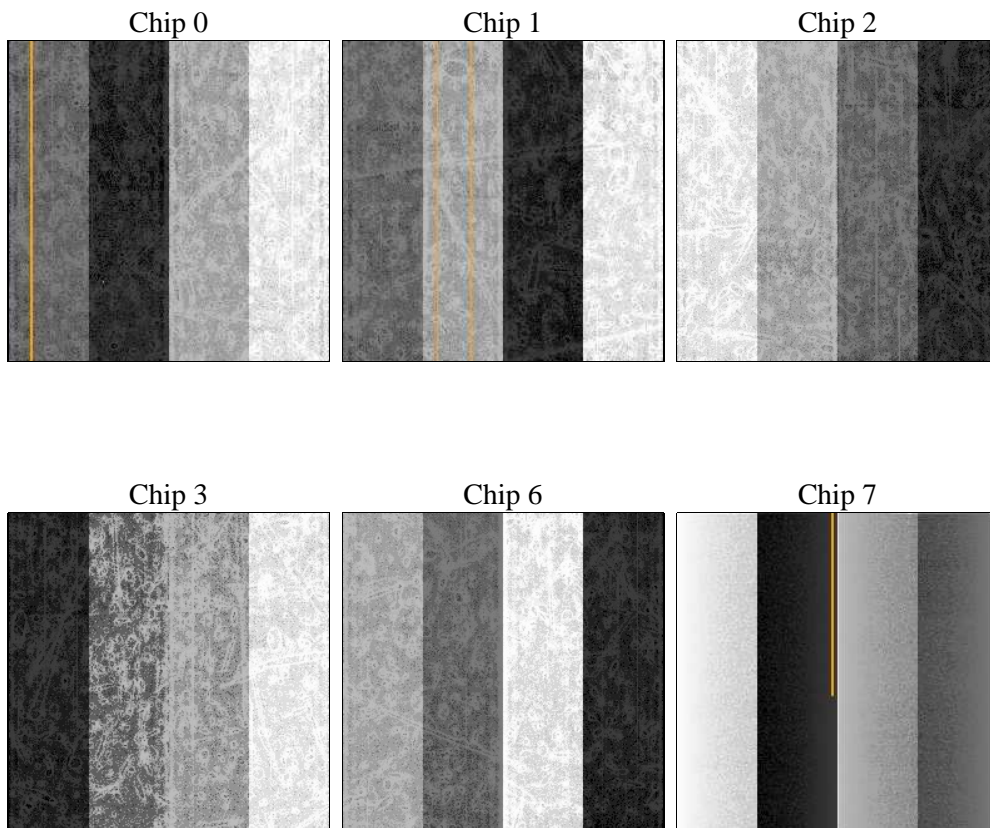
2 OBI

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	8.4.5	Processing system revision	ontime	8287.9999691844	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	8287.9999691844	Sum of GTIs [s]
date	2012-08-17T04:37:10	Date and time of file creation	ontime1	8287.9999691844	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8287.9999691844	Sum of GTIs [s]
			ontime3	8287.9999691844	Sum of GTIs [s]
			ontime6	8287.9999691844	Sum of GTIs [s]
			ontime7	8287.9999691844	Sum of GTIs [s]
			l1events	982846	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	158044	170491	165773	176103	175321	137114	grade 0 events	21475	21058	22521	22655	22332	11141
rejected events	116033	127891	123211	133048	130350	68295		13%	12%	13%	12%	12%	8%
rejected %	73%	75%	74%	75%	74%	49%	grade 1 events	99	100	133	124	125	102
								0%	0%	0%	0%	0%	0%
							grade 2 events	8363	8838	8012	8016	8940	16957
								5%	5%	4%	4%	5%	12%
							grade 3 events	2819	2646	2790	2763	2837	5874
								1%	1%	1%	1%	1%	4%
							grade 4 events	2708	2774	2756	2961	2829	5717
								1%	1%	1%	1%	1%	4%
							grade 5 events	2926	2883	2773	3318	3116	7807
								1%	1%	1%	1%	1%	5%
							grade 6 events	6646	7284	6483	6677	8033	29130
								4%	4%	3%	3%	4%	21%
							grade 7 events	113008	124908	120305	129589	127109	60386
								71%	73%	72%	73%	72%	44%

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	348.8723978336724	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-1.684618363722243	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	119.013460590752	[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	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	461508989.941023	461508988.91602			
Observation start date	2012-08-16T12:56:30	2012-08-16T12:56:28			
[s] Observation end time (MET)	461521121.841672	461521120.81667			
Observation end date	2012-08-16T16:18:42	2012-08-16T16:18:40			
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)	2012.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2879999691844

A.2 Comments