

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54780 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 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

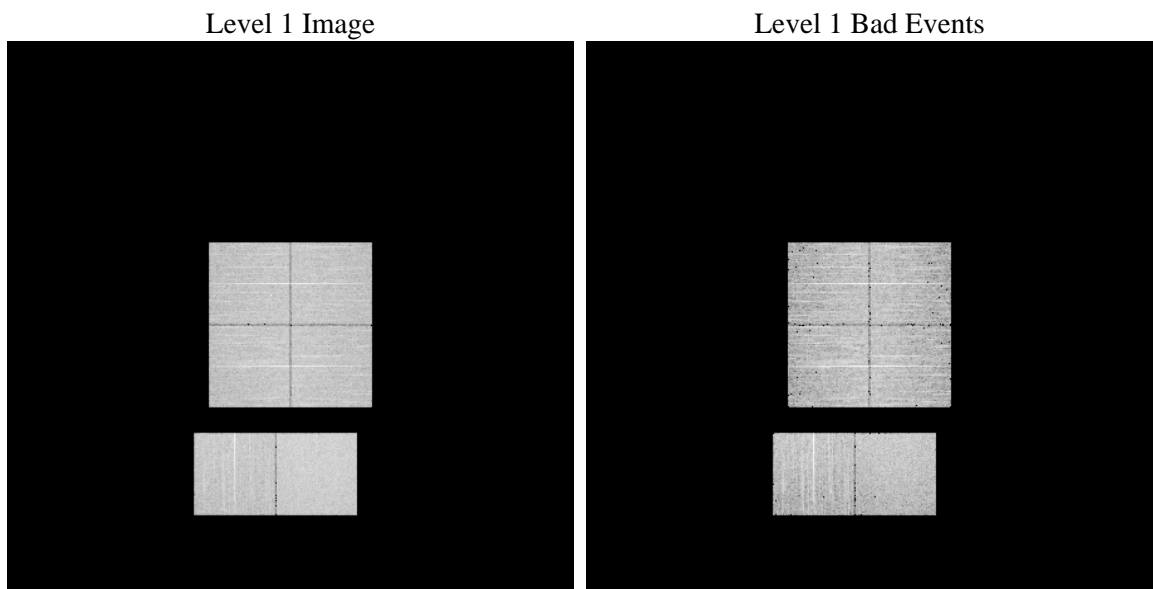
1 Front

seq_num	 	Sequence number
obs_id	54780	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	194.97113528402	Nominal RA [deg]
dec_nom	18.008429833952	Nominal Dec [deg]
roll_nom	130.06814794115	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8286.5942569375	Sum of GTIs [s]
livetime	8181.6644108681	Livetime [s]
ontime0	8286.6352869868	Sum of GTIs [s]
ontime1	8286.6763269901	Sum of GTIs [s]
ontime2	8284.7589883804	Sum of GTIs [s]
ontime3	8286.5532069802	Sum of GTIs [s]
ontime6	8287.9999691844	Sum of GTIs [s]
ontime7	8286.5942569375	Sum of GTIs [s]
l2events	255300	Number of level 2 events

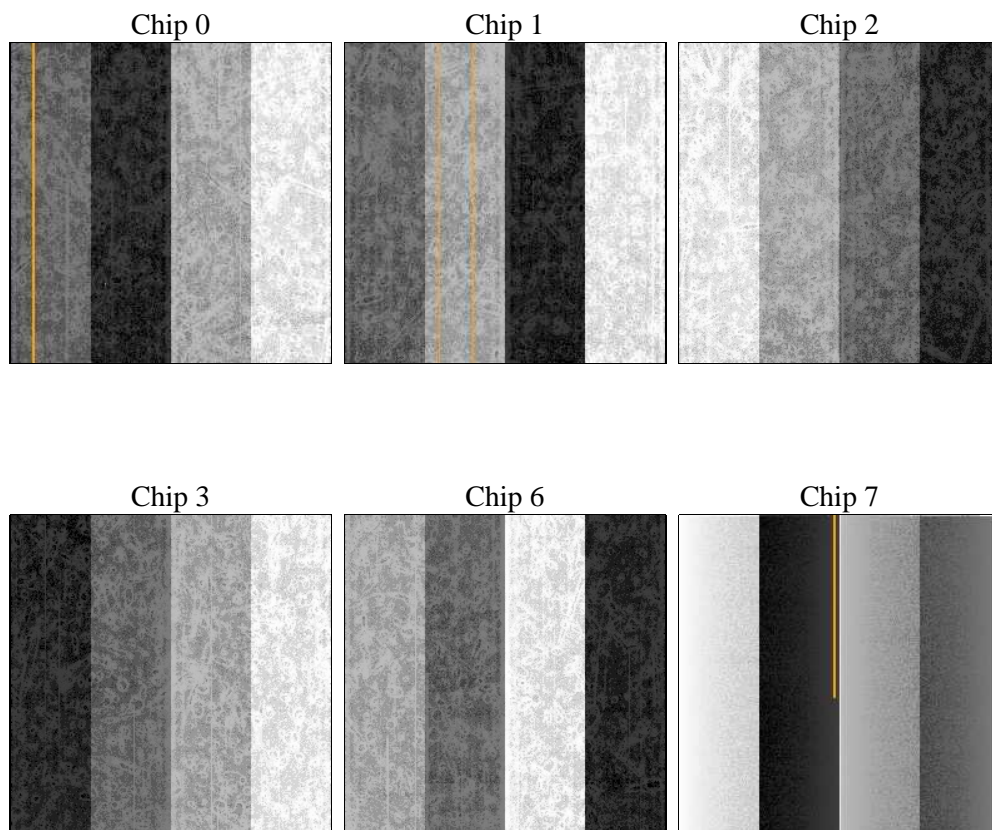
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	8286.5942569375	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	8286.6352869868	Sum of GTIs [s]
date	2012-03-17T08:02:35	Date and time of file creation	ontime1	8286.6763269901	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8284.7589883804	Sum of GTIs [s]
			ontime3	8286.5532069802	Sum of GTIs [s]
			ontime6	8287.9999691844	Sum of GTIs [s]
			ontime7	8286.5942569375	Sum of GTIs [s]
			l1events	551000	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	85103	85260	87486	88296	91930	112925	grade 0 events	19605	16950	20498	21010	15974	10000
rejected events	44162	43989	47184	46852	49562	49296		23%	19%	23%	23%	17%	8%
rejected %	51%	51%	53%	53%	53%	43%	grade 1 events	83	83	88	90	49	91
								0%	0%	0%	0%	0%	0%
							grade 2 events	9573	12406	8277	8749	14003	14317
								11%	14%	9%	9%	15%	12%
							grade 3 events	2433	2101	2513	2521	2037	5214
								2%	2%	2%	2%	2%	4%
							grade 4 events	2444	2196	2574	2505	1931	4858
								2%	2%	2%	2%	2%	4%
							grade 5 events	2465	2339	2319	2717	2506	6601
								2%	2%	2%	3%	2%	5%
							grade 6 events	6886	7618	6451	6659	8439	29240
								8%	8%	7%	7%	9%	25%
							grade 7 events	41614	41567	44766	44045	46991	42604
								48%	48%	51%	49%	51%	37%

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	194.9711352840243	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	18.00842983395196	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	130.0681479411543	[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)	448285744.065981	448285743.04098			
Observation start date	2012-03-16T11:49:04	2012-03-16T11:49:03			
[s] Observation end time (MET)	448295924.36652	448295923.34152			
Observation end date	2012-03-16T14:38:44	2012-03-16T14:38:43			
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)	2012.03.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2865942569375

A.2 Comments