

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54751 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 30 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

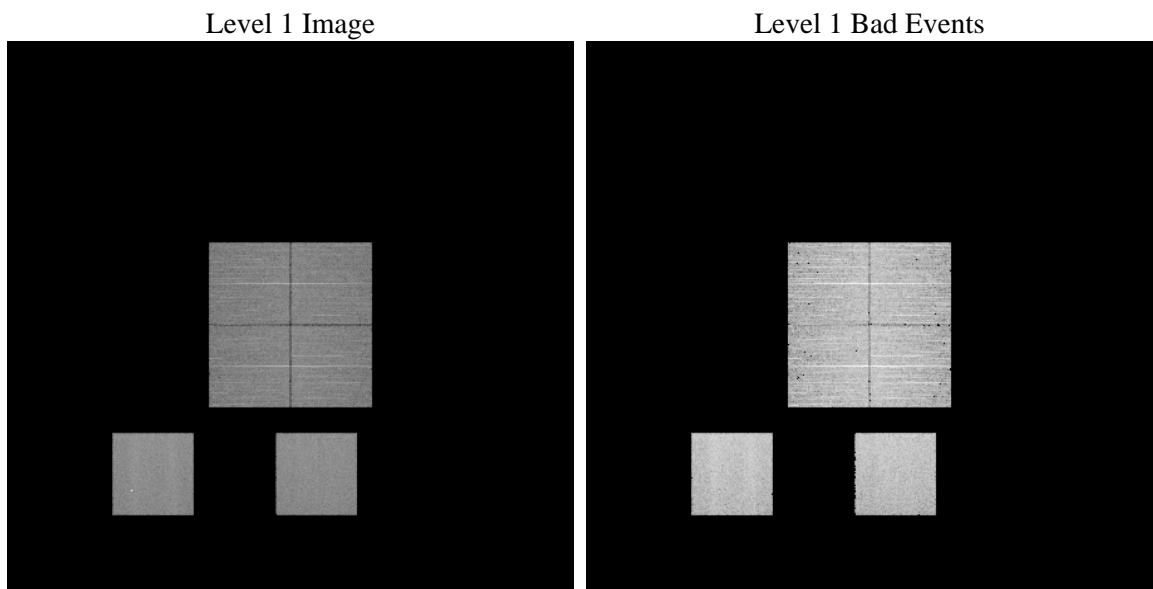
1 Front

seq_num	 	Sequence number
obs_id	54751	Observation id
title	ACIS-012357 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	176.03204548423	Nominal RA [deg]
dec_nom	-27.994847550455	Nominal Dec [deg]
roll_nom	337.59183477727	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8281.1326830387	Sum of GTIs [s]
livetime	8176.2719947066	Livetime [s]
ontime0	8281.0916430354	Sum of GTIs [s]
ontime1	8281.0506030321	Sum of GTIs [s]
ontime2	8281.0095630288	Sum of GTIs [s]
ontime3	8281.173723042	Sum of GTIs [s]
ontime5	8280.9685230255	Sum of GTIs [s]
ontime7	8281.1326830387	Sum of GTIs [s]
l2events	296575	Number of level 2 events

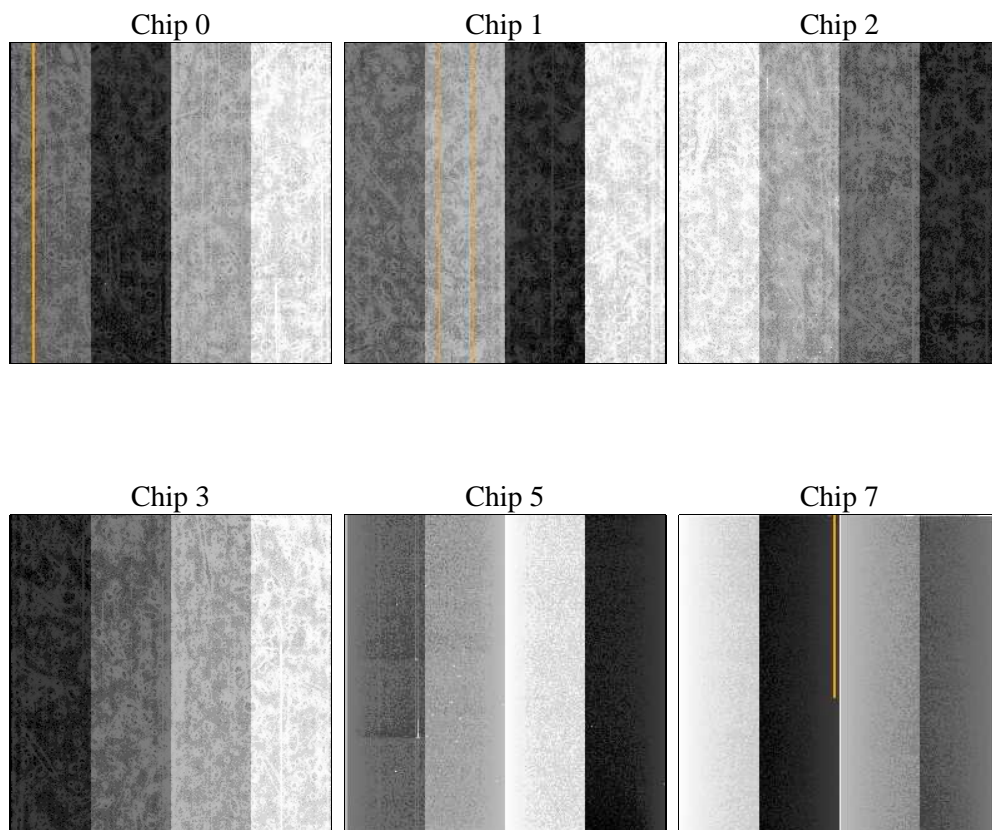
2 OBI

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	8281.1326830387	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	8281.0916430354	Sum of GTIs [s]
date	2012-03-27T16:50:00	Date and time of file creation	ontime1	8281.0506030321	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8281.0095630288	Sum of GTIs [s]
			ontime3	8281.173723042	Sum of GTIs [s]
			ontime5	8280.9685230255	Sum of GTIs [s]
			ontime7	8281.1326830387	Sum of GTIs [s]
			l1events	642826	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	93037	95173	95398	99916	132897	126405	grade 0 events	20567	18257	21693	21757	6165	10463
rejected events	50361	52399	52934	57204	59823	57506		22%	19%	22%	21%	4%	8%
rejected %	54%	55%	55%	57%	45%	45%	grade 1 events	112	85	131	134	168	91
								0%	0%	0%	0%	0%	0%
							grade 2 events	9677	11709	8413	8654	26264	15505
								10%	12%	8%	8%	19%	12%
							grade 3 events	2673	2444	2782	2736	2906	5618
								2%	2%	2%	2%	2%	4%
							grade 4 events	2605	2296	2794	2710	3061	5312
								2%	2%	2%	2%	2%	4%
							grade 5 events	2829	2877	2703	3194	6051	7841
								3%	3%	2%	3%	4%	6%
							grade 6 events	7171	8082	6792	6874	34711	32025
								7%	8%	7%	6%	26%	25%
							grade 7 events	47403	49423	50090	53857	53571	49550
								50%	51%	52%	53%	40%	39%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	176.0320454842283	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-27.99484755045534	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	337.5918347772706	[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)	449199402.464429	449199401.43943			
Observation start date	2012-03-27T01:36:42	2012-03-27T01:36:41			
[s] Observation end time (MET)	449209582.764969	449209581.73997			
Observation end date	2012-03-27T04:26:23	2012-03-27T04:26:21			
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)	2012.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2811326830387

A.2 Comments