

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55607 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 5 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

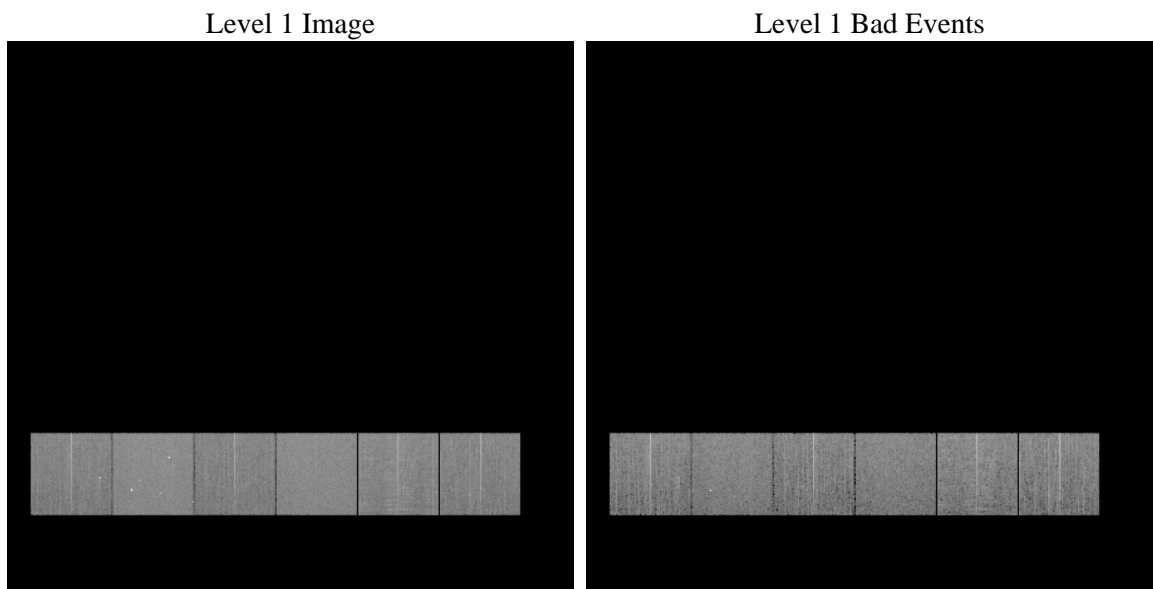
1 Front

seq_num	 	Sequence number
obs_id	55607	Observation id
title	ACIS-456789 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	187.0009785551	Nominal RA [deg]
dec_nom	-8.6713246158678	Nominal Dec [deg]
roll_nom	55.219803284565	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8280.8200191855	Sum of GTIs [s]
livetime	8175.9632899914	Livetime [s]
ontime4	8283.3753142357	Sum of GTIs [s]
ontime5	8280.8200191855	Sum of GTIs [s]
ontime6	8283.416354239	Sum of GTIs [s]
ontime7	8280.8200191855	Sum of GTIs [s]
ontime8	8283.3342742324	Sum of GTIs [s]
ontime9	8280.8200092316	Sum of GTIs [s]
l2events	366720	Number of level 2 events

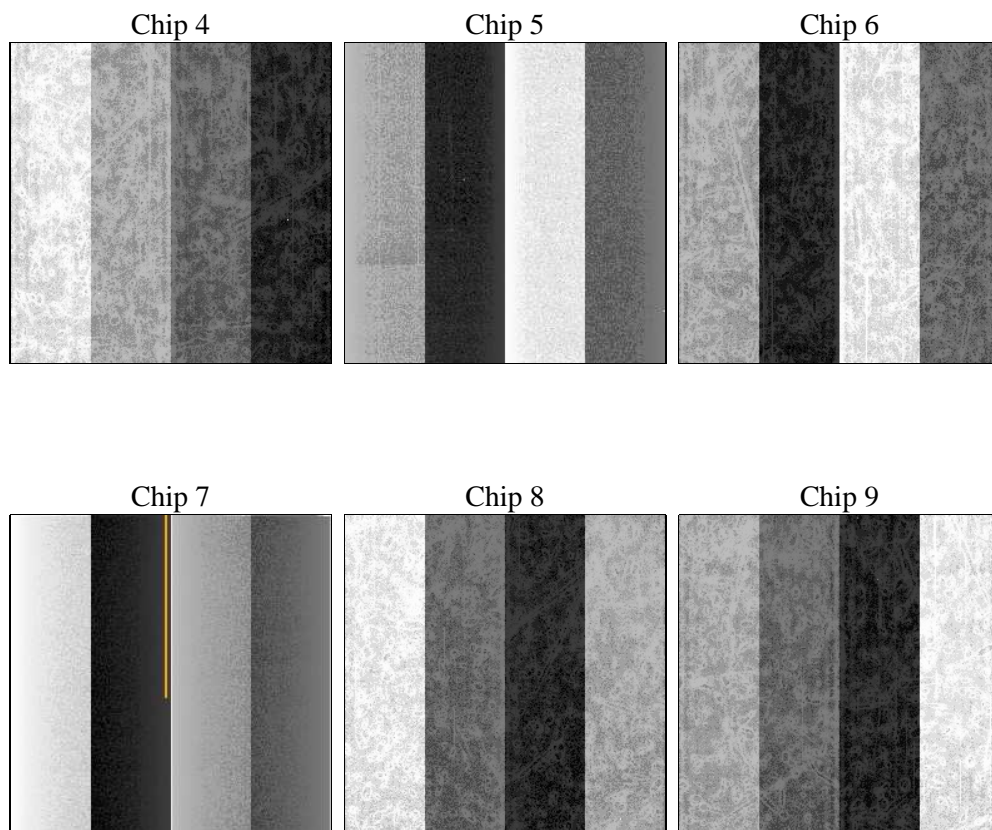
2 OBI

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	8280.8200191855	Sum of GTIs [s]
caldsver	4.4.7	 	ontime4	8283.3753142357	Sum of GTIs [s]
date	2012-02-05T16:44:02	Date and time of file creation	ontime5	8280.8200191855	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8283.416354239	Sum of GTIs [s]
			ontime7	8280.8200191855	Sum of GTIs [s]
			ontime8	8283.3342742324	Sum of GTIs [s]
			ontime9	8280.8200092316	Sum of GTIs [s]
			l1events	802749	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	120284	158597	116660	147829	138549	120830	grade 0 events	30928	14032	28304	14458	31971	28111
rejected events	66402	66868	61980	62986	70962	67551		25%	8%	24%	9%	23%	23%
rejected %	55%	42%	53%	42%	51%	55%	grade 1 events	292	189	164	127	230	207
								0%	0%	0%	0%	0%	0%
							grade 2 events	8467	32015	9976	18369	13008	9636
								7%	20%	8%	12%	9%	7%
							grade 3 events	3862	3938	3608	7595	5147	3472
								3%	2%	3%	5%	3%	2%
							grade 4 events	3690	3717	3548	7676	4956	3465
								3%	2%	3%	5%	3%	2%
							grade 5 events	3855	8892	3975	9857	5190	4440
								3%	5%	3%	6%	3%	3%
							grade 6 events	6935	38027	9244	36745	12505	8595
								5%	23%	7%	24%	9%	7%
							grade 7 events	62255	57787	57841	53002	65542	62904
								51%	36%	49%	35%	47%	52%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	187.0009785550957	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-8.671324615867762	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	55.21980328456457	[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)	415840411.400441	415840410.37545			
Observation start date	2011-03-06T23:13:31	2011-03-06T23:13:30			
[s] Observation end time (MET)	415850411.300959	415850410.27597			
Observation end date	2011-03-07T02:00:11	2011-03-07T02:00:10			
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)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2808200191855

A.2 Comments