

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55563 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 6 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

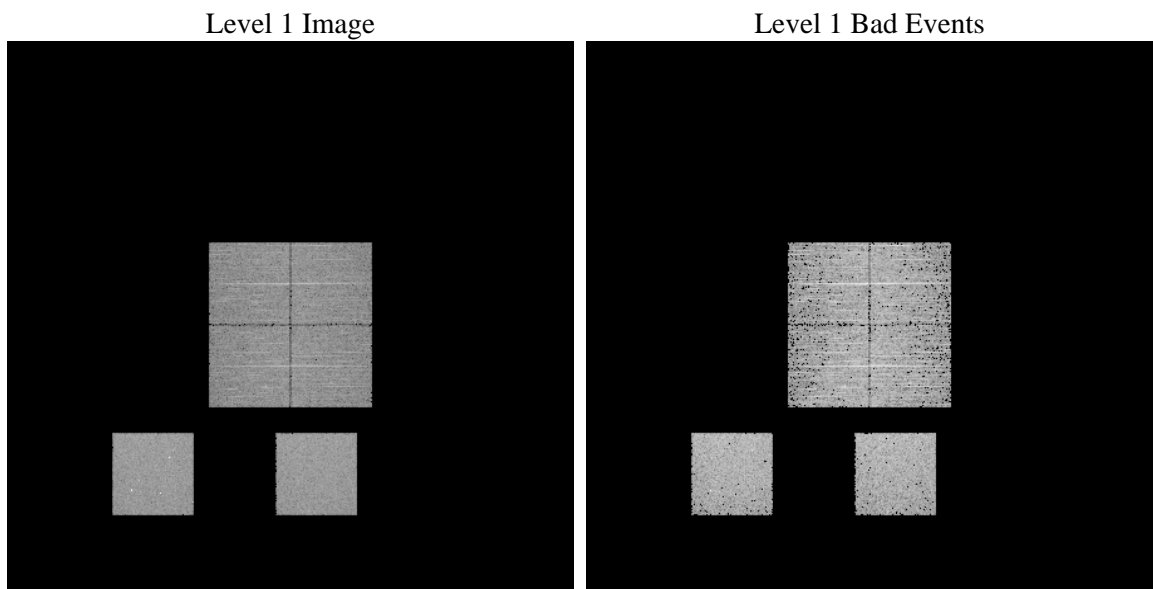
1 Front

seq_num	 	Sequence number
obs_id	55563	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	177.030380198	Nominal RA [deg]
dec_nom	-24.991788973238	Nominal Dec [deg]
roll_nom	343.70500594753	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3283.1999878287	Sum of GTIs [s]
livetime	3241.6261326772	Livetime [s]
ontime0	3283.1999878287	Sum of GTIs [s]
ontime1	3283.1999878287	Sum of GTIs [s]
ontime2	3279.9589675069	Sum of GTIs [s]
ontime3	3283.1999878287	Sum of GTIs [s]
ontime5	3283.1999878287	Sum of GTIs [s]
ontime7	3283.1999878287	Sum of GTIs [s]
l2events	143976	Number of level 2 events

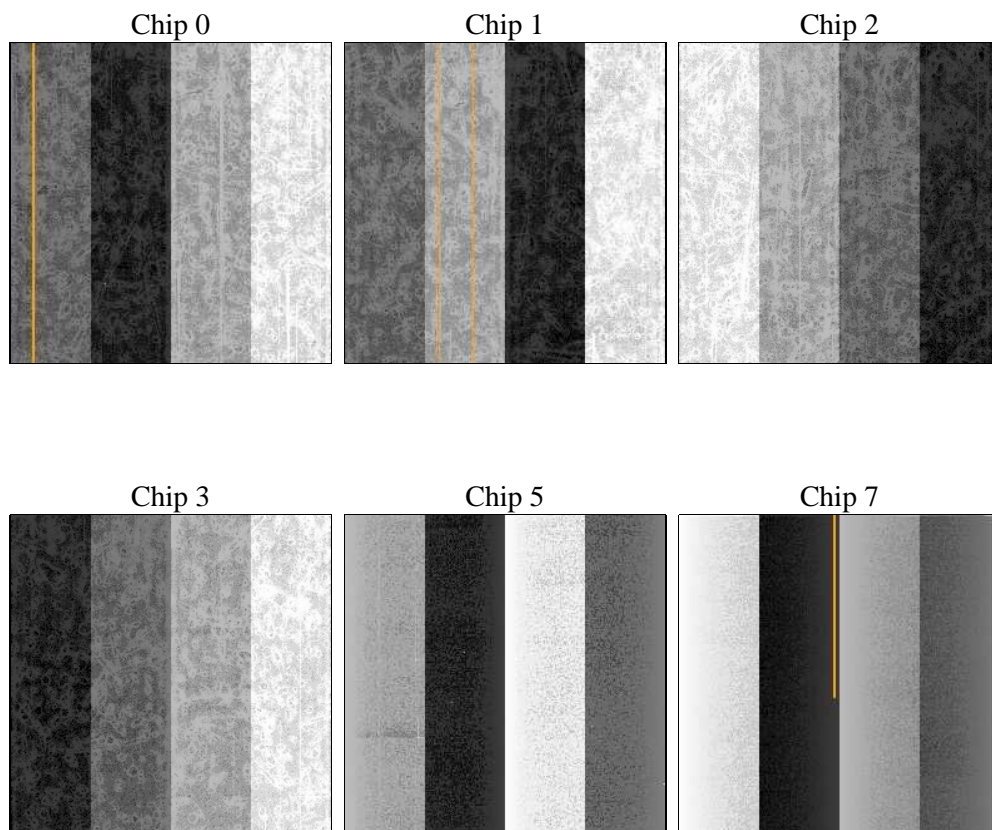
2 OBI

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	8.4.3	Processing system revision	ontime	3283.1999878287	Sum of GTIs [s]
caldsver	4.4.7	 	ontime0	3283.1999878287	Sum of GTIs [s]
date	2012-02-06T23:38:30	Date and time of file creation	ontime1	3283.1999878287	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3279.9589675069	Sum of GTIs [s]
			ontime3	3283.1999878287	Sum of GTIs [s]
			ontime5	3283.1999878287	Sum of GTIs [s]
			ontime7	3283.1999878287	Sum of GTIs [s]
			l1events	296654	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	43065	43705	44160	44774	61787	59163	grade 0 events	10699	10806	10890	11349	5728	5741
rejected events	22547	22718	23797	23829	25693	25324		24%	24%	24%	25%	9%	9%
rejected %	52%	51%	53%	53%	41%	42%	grade 1 events	72	60	72	83	136	56
								0%	0%	0%	0%	0%	0%
							grade 2 events	3898	4084	3620	3766	12479	7308
								9%	9%	8%	8%	20%	12%
							grade 3 events	1375	1345	1407	1386	1529	3225
								3%	3%	3%	3%	2%	5%
							grade 4 events	1407	1431	1457	1395	1560	3022
								3%	3%	3%	3%	2%	5%
							grade 5 events	1422	1527	1376	1569	3388	3920
								3%	3%	3%	3%	5%	6%
							grade 6 events	3159	3340	3006	3063	14835	14584
								7%	7%	6%	6%	24%	24%
							grade 7 events	21033	21112	22332	22163	22132	21307
								48%	48%	50%	49%	35%	36%

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	177.0303801980001	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-24.99178897323779	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	343.7050059475348	[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)	417411400.281832	417411399.25683			
Observation start date	2011-03-25T03:36:40	2011-03-25T03:36:39			
[s] Observation end time (MET)	417417488.782147	417417487.75715			
Observation end date	2011-03-25T05:18:09	2011-03-25T05:18:07			
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)	2012.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2831999878287

A.2 Comments