

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55424 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 10 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

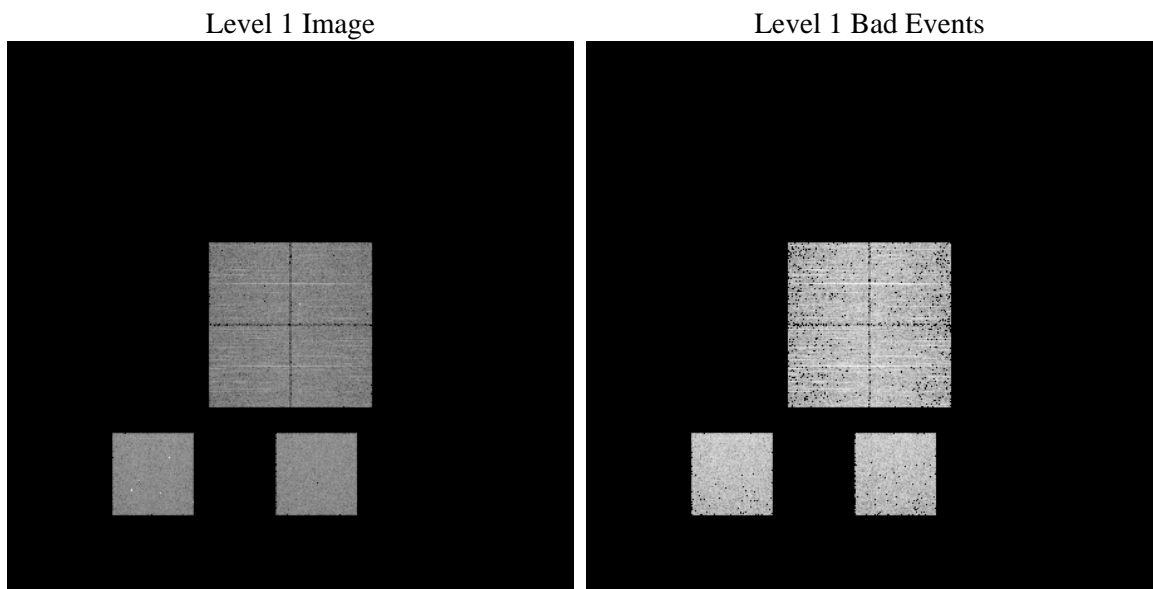
1 Front

seq_num	 	Sequence number
obs_id	55424	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	251.97253598852	Nominal RA [deg]
dec_nom	1.9984459517183	Nominal Dec [deg]
roll_nom	144.89009318475	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3285.245457828	Sum of GTIs [s]
livetime	3243.6457017037	Livetime [s]
ontime0	3285.2044178247	Sum of GTIs [s]
ontime1	3285.1633778214	Sum of GTIs [s]
ontime2	3285.1223378181	Sum of GTIs [s]
ontime3	3285.2864978313	Sum of GTIs [s]
ontime5	3285.0812978148	Sum of GTIs [s]
ontime7	3285.245457828	Sum of GTIs [s]
l2events	136516	Number of level 2 events

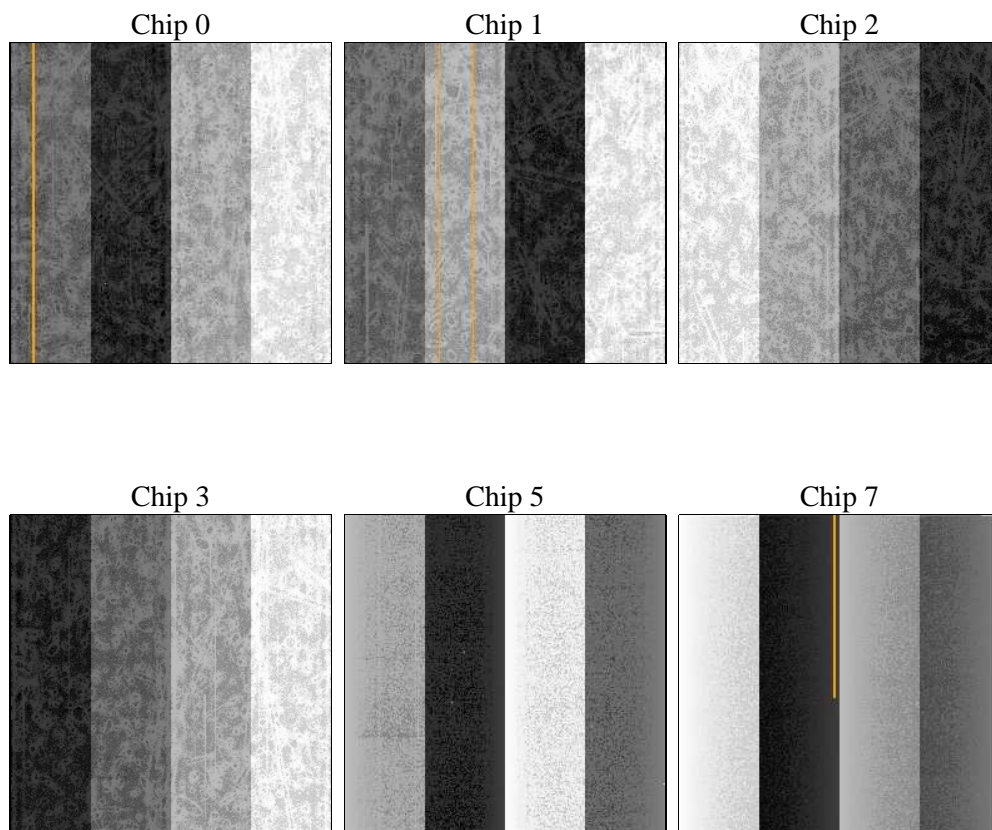
2 OBI

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	3285.245457828	Sum of GTIs [s]
caldsver	4.4.7	 	ontime0	3285.2044178247	Sum of GTIs [s]
date	2012-02-10T08:42:26	Date and time of file creation	ontime1	3285.1633778214	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3285.1223378181	Sum of GTIs [s]
			ontime3	3285.2864978313	Sum of GTIs [s]
			ontime5	3285.0812978148	Sum of GTIs [s]
			ontime7	3285.245457828	Sum of GTIs [s]
			l1events	285003	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	41153	42207	43716	43222	58740	55965	grade 0 events	10335	10947	10504	10754	4893	5456
rejected events	21567	21598	24044	23270	24640	24026		25%	25%	24%	24%	8%	9%
rejected %	52%	51%	55%	53%	41%	42%	grade 1 events	55	48	60	63	102	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	3538	3840	3393	3450	12231	6943
								8%	9%	7%	7%	20%	12%
							grade 3 events	1310	1302	1408	1415	1307	2754
								3%	3%	3%	3%	2%	4%
							grade 4 events	1329	1327	1386	1427	1272	2854
								3%	3%	3%	3%	2%	5%
							grade 5 events	1366	1472	1238	1540	3022	3735
								3%	3%	2%	3%	5%	6%
							grade 6 events	3074	3193	2981	2906	14397	13932
								7%	7%	6%	6%	24%	24%
							grade 7 events	20146	20078	22746	21667	21516	20247
								48%	47%	52%	50%	36%	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	251.9725359885163	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	1.99844595171826	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	144.890093184749	[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)	422209159.030807	422209158.00581			
Observation start date	2011-05-19T16:19:19	2011-05-19T16:19:18			
[s] Observation end time (MET)	422221858.781467	422221857.75647			
Observation end date	2011-05-19T19:50:59	2011-05-19T19:50:57			
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)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.285245457828

A.2 Comments