

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55513 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 8 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

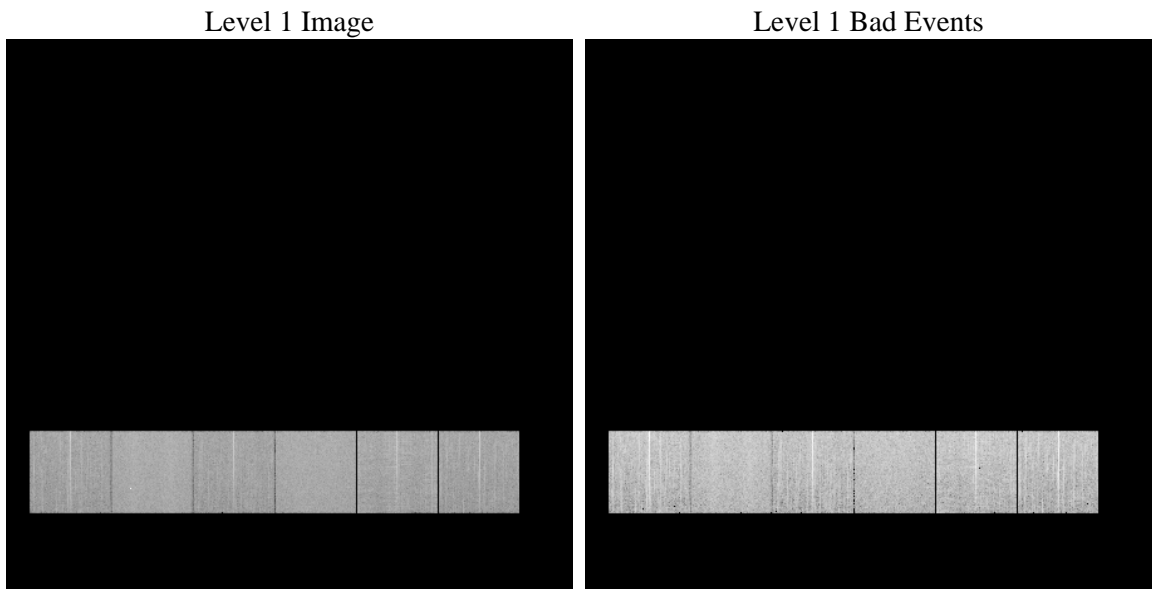
1 Front

seq_num	 	Sequence number
obs_id	55513	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	231.79081689215	Nominal RA [deg]
dec_nom	-19.372586813383	Nominal Dec [deg]
roll_nom	74.79244384696	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8277.5704596639	Sum of GTIs [s]
livetime	8172.7548783491	Livetime [s]
ontime4	8277.5704596639	Sum of GTIs [s]
ontime5	8277.5704596639	Sum of GTIs [s]
ontime6	8277.5704596639	Sum of GTIs [s]
ontime7	8277.5704596639	Sum of GTIs [s]
ontime8	8278.1799423099	Sum of GTIs [s]
ontime9	8277.5704596639	Sum of GTIs [s]
l2events	344554	Number of level 2 events

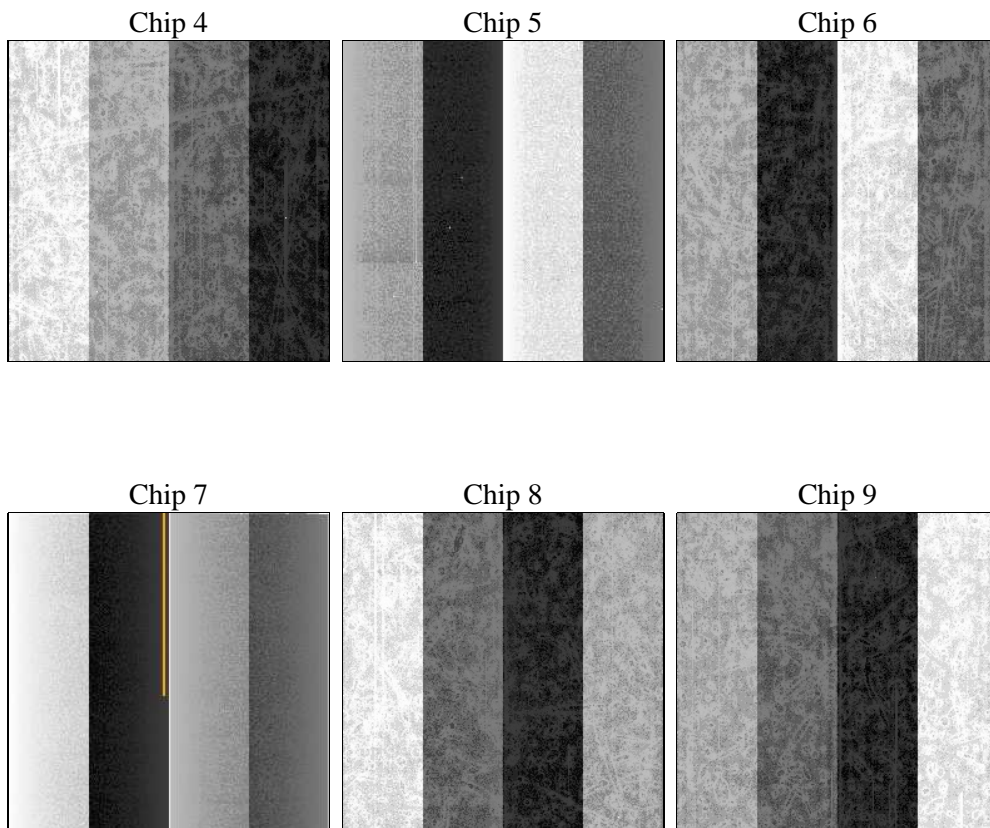
2 OBI

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	8277.5704596639	Sum of GTIs [s]
caldsver	4.4.7	 	ontime4	8277.5704596639	Sum of GTIs [s]
date	2012-02-08T07:11:46	Date and time of file creation	ontime5	8277.5704596639	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8277.5704596639	Sum of GTIs [s]
			ontime7	8277.5704596639	Sum of GTIs [s]
			ontime8	8278.1799423099	Sum of GTIs [s]
			ontime9	8277.5704596639	Sum of GTIs [s]
			l1events	752971	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	114197	143597	112727	138505	130020	113925	grade 0 events	27949	8445	25746	12739	30376	26416
rejected events	65233	62626	60709	59652	66873	63334		24%	5%	22%	9%	23%	23%
rejected %	57%	43%	53%	43%	51%	55%	grade 1 events	244	198	137	113	168	131
								0%	0%	0%	0%	0%	0%
							grade 2 events	7571	30238	10562	17514	11981	8938
								6%	21%	9%	12%	9%	7%
							grade 3 events	3511	2765	3260	6786	4581	3465
								3%	1%	2%	4%	3%	3%
							grade 4 events	3511	2720	3242	6606	4491	3406
								3%	1%	2%	4%	3%	2%
							grade 5 events	3456	7038	3533	8934	4559	3970
								3%	4%	3%	6%	3%	3%
							grade 6 events	6422	36803	9208	35208	11745	8366
								5%	25%	8%	25%	9%	7%
							grade 7 events	61533	55390	57039	50605	62119	59233
								53%	38%	50%	36%	47%	51%

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	231.7908168921495	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-19.37258681338325	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	74.7924438469598	[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)	419267048.078053	419267047.05304			
Observation start date	2011-04-15T15:04:08	2011-04-15T15:04:07			
[s] Observation end time (MET)	419278005.328622	419278004.30361			
Observation end date	2011-04-15T18:06:45	2011-04-15T18:06:44			
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)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2775704596639

A.2 Comments