

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56251 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 26 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

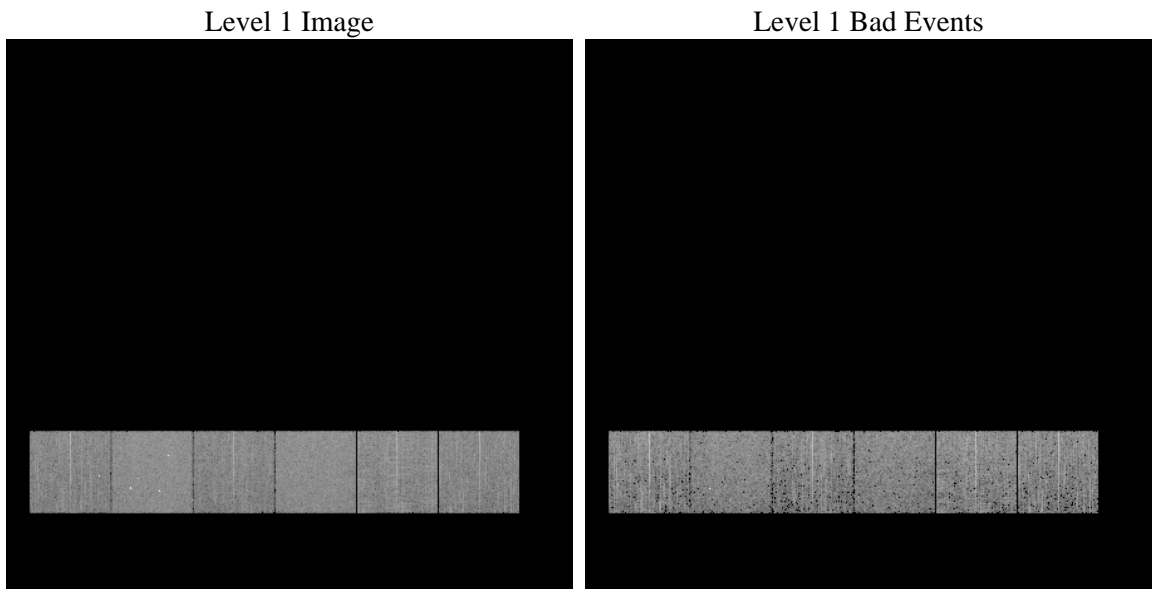
1 Front

seq_num	 	Sequence number
obs_id	56251	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	228.0354407131	Nominal RA [deg]
dec_nom	-36.496327385801	Nominal Dec [deg]
roll_nom	334.45738608556	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3279.8910173178	Sum of GTIs [s]
livetime	3238.3590623432	Livetime [s]
ontime4	3281.8371942043	Sum of GTIs [s]
ontime5	3279.8910471797	Sum of GTIs [s]
ontime6	3279.8910173178	Sum of GTIs [s]
ontime7	3279.8910173178	Sum of GTIs [s]
ontime8	3281.796154201	Sum of GTIs [s]
ontime9	3279.8910173178	Sum of GTIs [s]
l2events	169897	Number of level 2 events

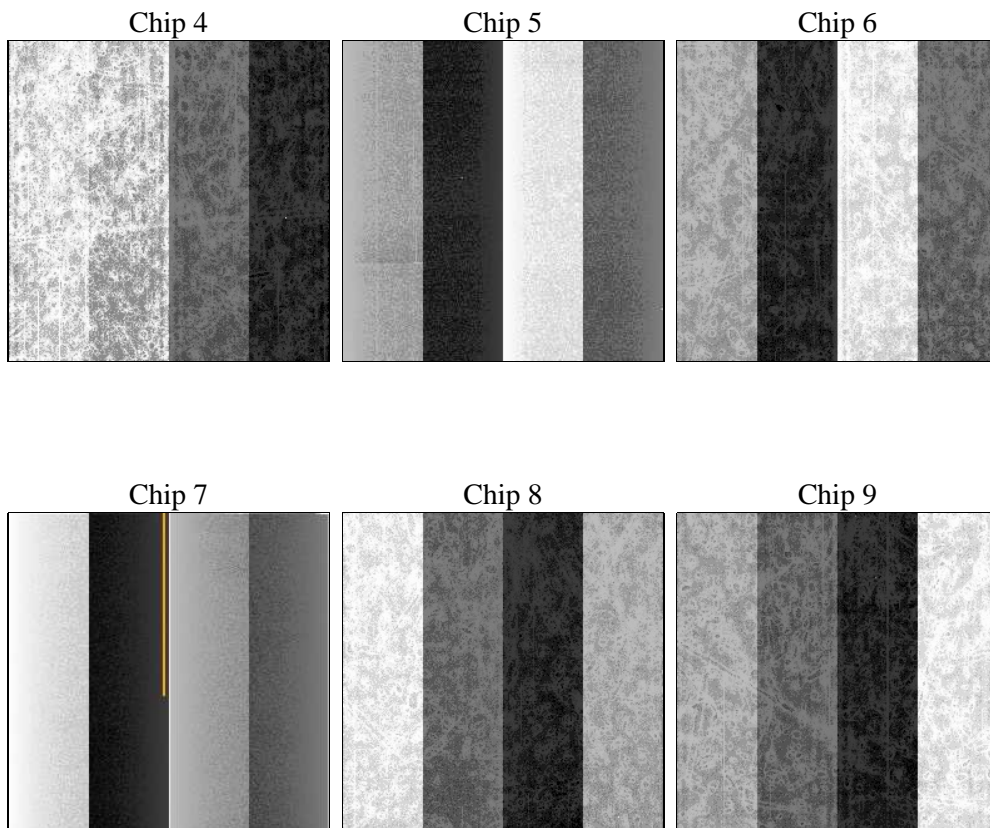
2 OBI

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	8.4.5	Processing system revision	ontime	3279.8910173178	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	3281.8371942043	Sum of GTIs [s]
date	2012-06-26T03:21:17	Date and time of file creation	ontime5	3279.8910471797	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3279.8910173178	Sum of GTIs [s]
			ontime7	3279.8910173178	Sum of GTIs [s]
			ontime8	3281.796154201	Sum of GTIs [s]
			ontime9	3279.8910173178	Sum of GTIs [s]
			l1events	358220	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	54610	69710	52631	65122	62161	53986	grade 0 events	14162	7061	13356	7051	15096	13405
rejected events	29765	27962	26621	25969	31320	28765		25%	10%	25%	10%	24%	24%
rejected %	54%	40%	50%	39%	50%	53%	grade 1 events	142	108	99	54	84	115
								0%	0%	0%	0%	0%	0%
							grade 2 events	4046	14229	4874	8380	5784	4433
								7%	20%	9%	12%	9%	8%
							grade 3 events	1695	1861	1737	3648	2252	1680
								3%	2%	3%	5%	3%	3%
							grade 4 events	1688	1742	1692	3590	2262	1703
								3%	2%	3%	5%	3%	3%
							grade 5 events	1656	3837	1673	4236	2220	1837
								3%	5%	3%	6%	3%	3%
							grade 6 events	3254	16855	4351	16484	5447	4000
								5%	24%	8%	25%	8%	7%
							grade 7 events	27967	24017	24849	21679	29016	26813
								51%	34%	47%	33%	46%	49%

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	228.0354407130953	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-36.49632738580052	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	334.4573860855588	[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)	390678375.957397	390678374.93241			
Observation start date	2010-05-19T17:46:16	2010-05-19T17:46:14			
[s] Observation end time (MET)	390690942.458036	390690941.43305			
Observation end date	2010-05-19T21:15:42	2010-05-19T21:15:41			
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)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2798910173178

A.2 Comments