

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60526 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 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

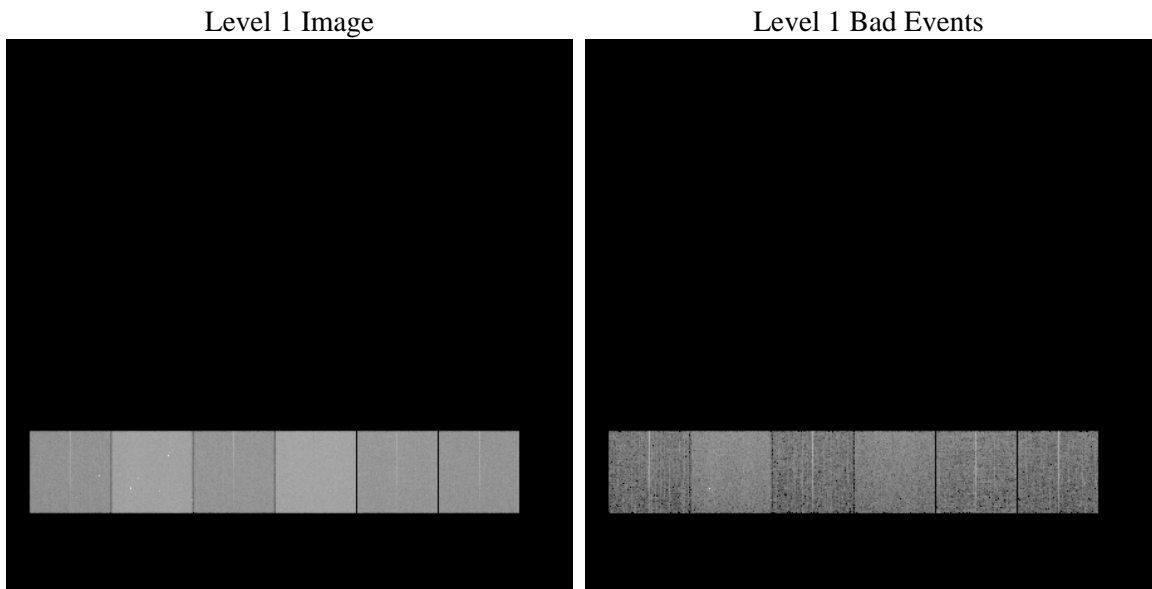
1 Front

seq_num	 	Sequence number
obs_id	60526	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	277.02801624699	Nominal RA [deg]
dec_nom	-60.024943066352	Nominal Dec [deg]
roll_nom	266.48784568987	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8462.5944755375	Sum of GTIs [s]
livetime	8355.4360087257	Livetime [s]
ontime4	4488.8211302757	Sum of GTIs [s]
ontime5	8462.5534355342	Sum of GTIs [s]
ontime6	4871.2575419545	Sum of GTIs [s]
ontime7	8462.5944755375	Sum of GTIs [s]
ontime8	4942.7382058501	Sum of GTIs [s]
ontime9	4741.6190413237	Sum of GTIs [s]
l2events	1231184	Number of level 2 events

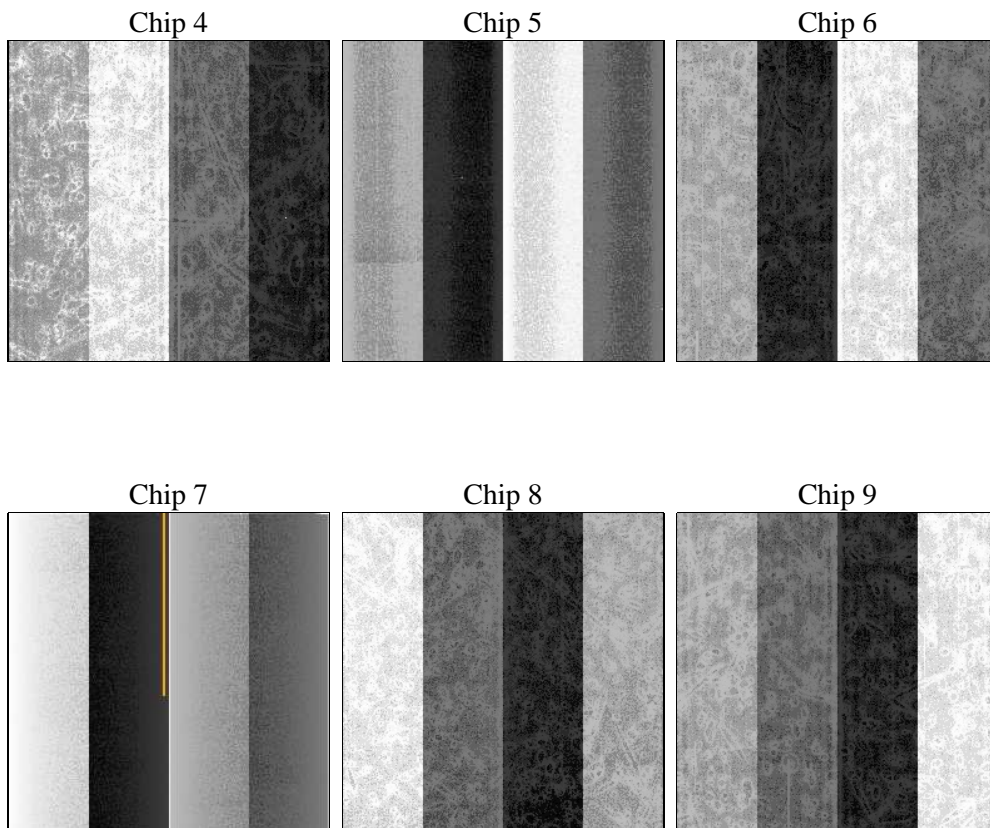
2 OBI

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	8462.5944755375	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	4488.8211302757	Sum of GTIs [s]
date	2012-11-05T08:28:00	Date and time of file creation	ontime5	8462.5534355342	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4871.2575419545	Sum of GTIs [s]
			ontime7	8462.5944755375	Sum of GTIs [s]
			ontime8	4942.7382058501	Sum of GTIs [s]
			ontime9	4741.6190413237	Sum of GTIs [s]
			l1events	1536377	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	189000	340812	214542	364782	225261	201980	grade 0 events	90644	64242	99380	79058	101967	93636
rejected events	33323	56840	32943	44977	38074	32049		47%	18%	46%	21%	45%	46%
rejected %	17%	16%	15%	12%	16%	15%	grade 1 events	626	259	482	212	545	547
								0%	0%	0%	0%	0%	0%
							grade 2 events	24706	103709	31314	70000	32970	29148
								13%	30%	14%	19%	14%	14%
							grade 3 events	10497	16643	11186	32295	12292	10811
								5%	4%	5%	8%	5%	5%
							grade 4 events	10198	16462	11081	31839	12151	11012
								5%	4%	5%	8%	5%	5%
							grade 5 events	2072	9620	2275	8320	2726	2405
								1%	2%	1%	2%	1%	1%
							grade 6 events	19632	83006	28638	106733	27935	25324
								10%	24%	13%	29%	12%	12%
							grade 7 events	30625	46871	30186	36325	34675	29097
								16%	13%	14%	9%	15%	14%

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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	277.0280162469899	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-60.02494306635248	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	266.4878456898709			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	182116616.874113	182116615.84941			
Observation start date	2003-10-09T19:56:57	2003-10-09T19:56:55			
[s] Observation end time (MET)	182137926.625028	182137925.60033			
Observation end date	2003-10-10T01:52:07	2003-10-10T01:52:05			
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)	2012.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4625944755375

A.2 Comments