

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 59823 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 16 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

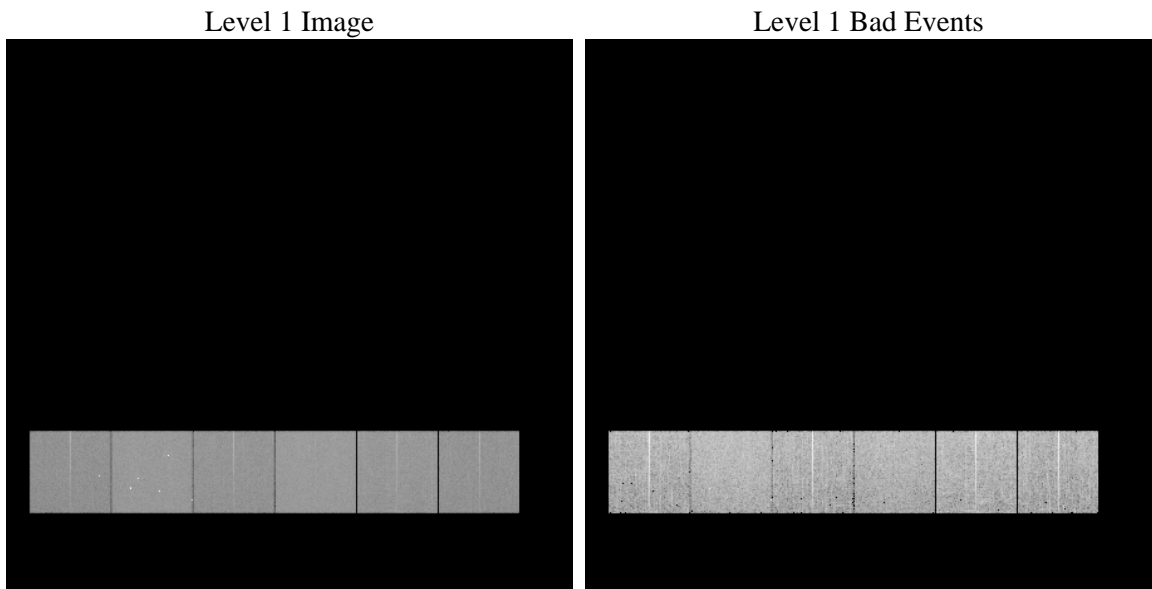
1 Front

seq_num	 	Sequence number
obs_id	59823	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	140.01212522879	Nominal RA [deg]
dec_nom	6.5259774828004	Nominal Dec [deg]
roll_nom	32.253980660336	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7784.3156759143	Sum of GTIs [s]
livetime	7685.7459836737	Livetime [s]
ontime4	5972.4819254577	Sum of GTIs [s]
ontime5	7784.274635911	Sum of GTIs [s]
ontime6	6465.1532068551	Sum of GTIs [s]
ontime7	7784.3156759143	Sum of GTIs [s]
ontime8	6743.7954922318	Sum of GTIs [s]
ontime9	6268.1284255683	Sum of GTIs [s]
l2events	1034794	Number of level 2 events

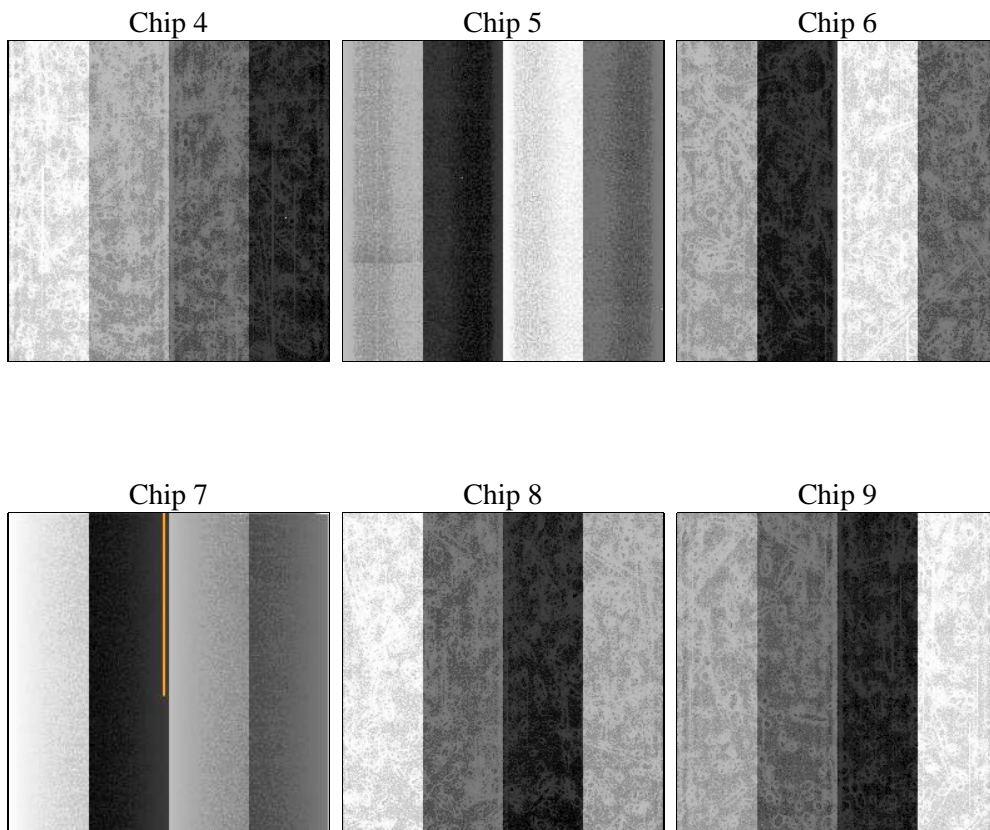
2 OBI

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	8.5.1	Processing system revision	ontime	7784.3156759143	Sum of GTIs [s]
caldbver	4.5.5	 	ontime4	5972.4819254577	Sum of GTIs [s]
date	2012-12-16T17:41:30	Date and time of file creation	ontime5	7784.274635911	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	6465.1532068551	Sum of GTIs [s]
			ontime7	7784.3156759143	Sum of GTIs [s]
			ontime8	6743.7954922318	Sum of GTIs [s]
			ontime9	6268.1284255683	Sum of GTIs [s]
			l1events	1406095	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	197205	263997	221592	271729	241974	209598	grade 0 events	88094	46847	94690	53735	101969	89330
rejected events	47036	54798	47713	47810	54533	47464		44%	17%	42%	19%	42%	42%
rejected %	23%	20%	21%	17%	22%	22%	grade 1 events	691	395	470	157	543	546
								0%	0%	0%	0%	0%	0%
							grade 2 events	23312	76454	30106	49056	32926	27719
								11%	28%	13%	18%	13%	13%
							grade 3 events	10112	11697	10679	22137	12328	10457
								5%	4%	4%	8%	5%	4%
							grade 4 events	9960	11528	10940	22040	12258	10265
								5%	4%	4%	8%	5%	4%
							grade 5 events	2762	8505	3090	8238	3882	3157
								1%	3%	1%	3%	1%	1%
							grade 6 events	18691	62673	27464	76951	27960	24363
								9%	23%	12%	28%	11%	11%
							grade 7 events	43583	45898	44153	39415	50108	43761
								22%	17%	19%	14%	20%	20%

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	140.0121252287948	Alternating exposures requested	N	N
[deg] Pointing Dec	0	6.525977482800403	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	32.2539806603358			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	223430207.200001	223430206.17502			
Observation start date	2005-01-29T23:56:47	2005-01-29T23:56:46			
[s] Observation end time (MET)	223446596.950742	223446595.92576			
Observation end date	2005-01-30T04:29:57	2005-01-30T04:29:55			
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)	2013.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7843156759143

A.2 Comments