

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53931 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 20 2013

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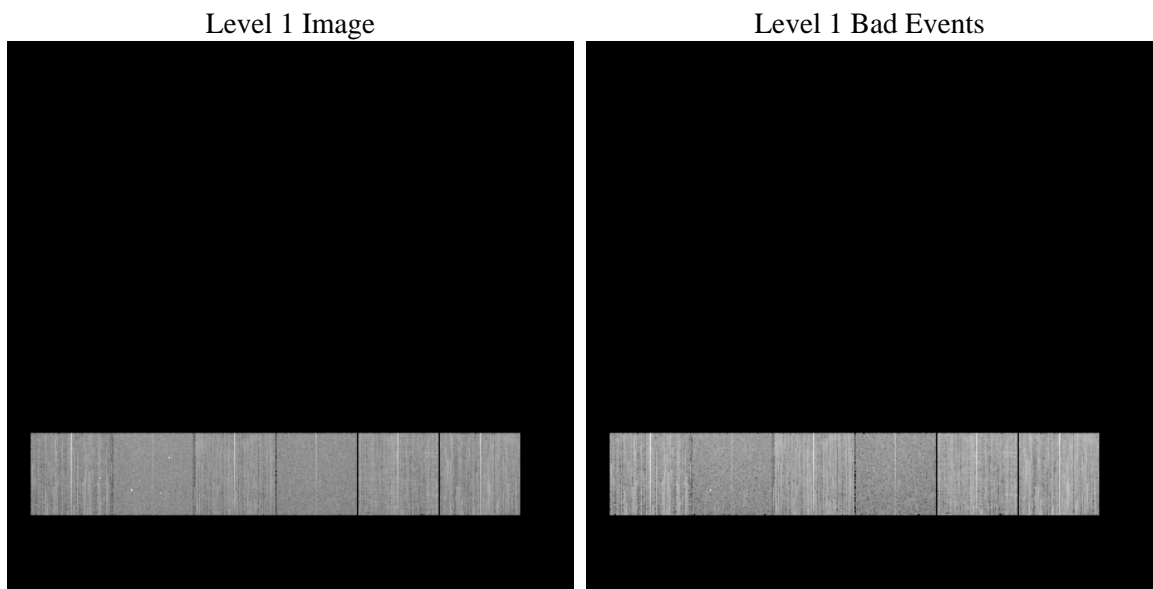
1 Front

seq_num	 	Sequence number
obs_id	53931	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	156.19008809985	Nominal RA [deg]
dec_nom	-0.33064792858807	Nominal Dec [deg]
roll_nom	174.99028584162	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6809.5999746919	Sum of GTIs [s]
livetime	6723.3727195635	Livetime [s]
ontime4	6809.5999746919	Sum of GTIs [s]
ontime5	6809.5999746919	Sum of GTIs [s]
ontime6	6809.5999746919	Sum of GTIs [s]
ontime7	6809.5999746919	Sum of GTIs [s]
ontime8	6809.5999746919	Sum of GTIs [s]
ontime9	6809.5999746919	Sum of GTIs [s]
l2events	214032	Number of level 2 events

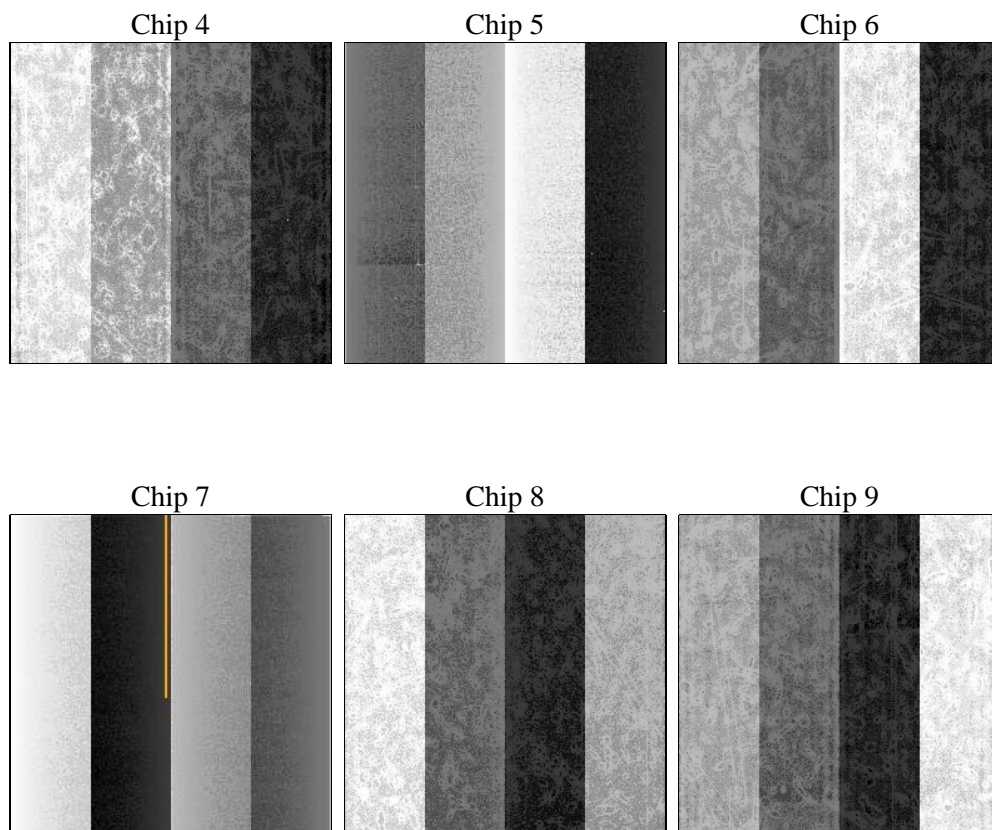
2 OBI

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	8.5.1.1	Processing system revision	ontime	6809.5999746919	Sum of GTIs [s]
caldbver	4.5.5	 	ontime4	6809.5999746919	Sum of GTIs [s]
date	2013-02-20T18:52:03	Date and time of file creation	ontime5	6809.5999746919	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	6809.5999746919	Sum of GTIs [s]
			ontime7	6809.5999746919	Sum of GTIs [s]
			ontime8	6809.5999746919	Sum of GTIs [s]
			ontime9	6809.5999746919	Sum of GTIs [s]
			l1events	840257	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	137911	128408	146383	116994	153717	156844	grade 0 events	17046	7401	15529	8116	17593	15019
rejected events	108019	70492	116166	64051	115860	127799		12%	5%	10%	6%	11%	9%
rejected %	78%	54%	79%	54%	75%	81%	grade 1 events	137	148	80	99	109	88
								0%	0%	0%	0%	0%	0%
							grade 2 events	5630	21947	6251	13516	8016	5946
								4%	17%	4%	11%	5%	3%
							grade 3 events	2135	2216	2032	4719	3094	2073
								1%	1%	1%	4%	2%	1%
							grade 4 events	2085	2198	2108	4519	2964	2138
								1%	1%	1%	3%	1%	1%
							grade 5 events	3021	6105	3027	7222	3880	3289
								2%	4%	2%	6%	2%	2%
							grade 6 events	4042	26151	5398	23951	7603	4898
								2%	20%	3%	20%	4%	3%
							grade 7 events	103815	62242	111958	54852	110458	123393
								75%	48%	76%	46%	71%	78%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	156.1900880998472
[deg] Pointing Dec	0	-0.3306479285880721
[deg] Pointing Roll	0.0	174.9902858416226
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	477733232.013386	477733232.013386
Observation start date	2013-02-20T07:40:32	2013-02-20T07:40:32
[s] Observation end time (MET)	477741543.380355	477741543.380355
Observation end date	2013-02-20T09:59:03	2013-02-20T09:59:03
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.02.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.8095999746919

A.2 Comments