

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51220 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 28 2016

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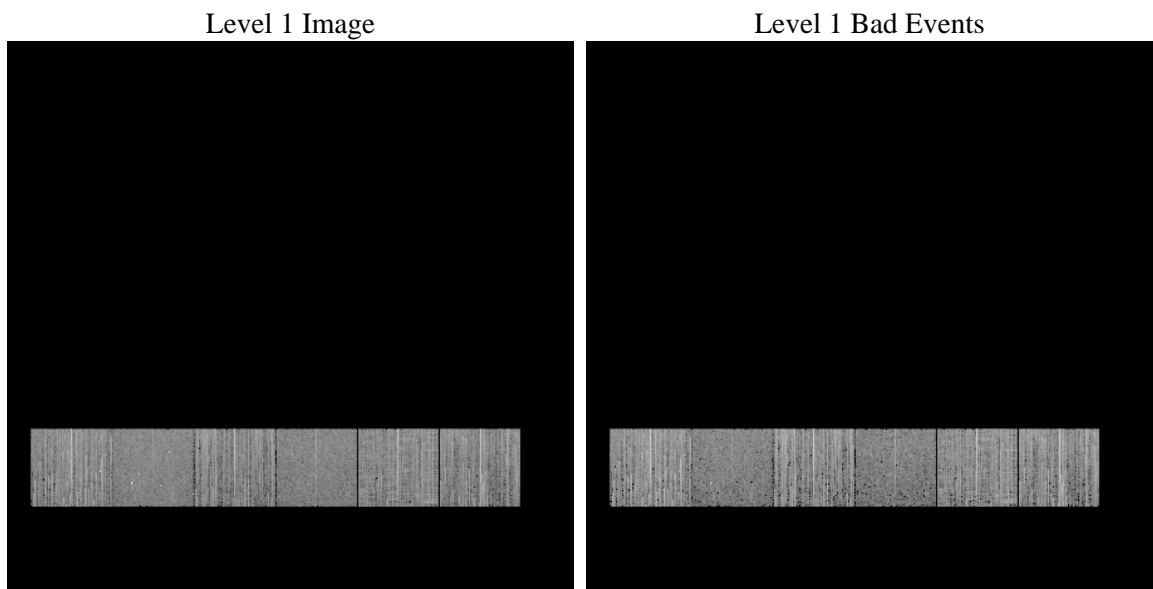
1 Front

seq_num	 	Sequence number
obs_id	51220	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	311.01079821552	Nominal RA [deg]
dec_nom	34.027274381261	Nominal Dec [deg]
roll_nom	38.916315721565	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3072.0000457764	Sum of GTIs [s]
livetime	3033.1005314604	Livetime [s]
ontime4	3071.9518510103	Sum of GTIs [s]
ontime5	3072.0000457764	Sum of GTIs [s]
ontime6	3071.9928910732	Sum of GTIs [s]
ontime7	3072.0000457764	Sum of GTIs [s]
ontime8	3071.9108110666	Sum of GTIs [s]
ontime9	3072.0000457764	Sum of GTIs [s]
l2events	66067	Number of level 2 events

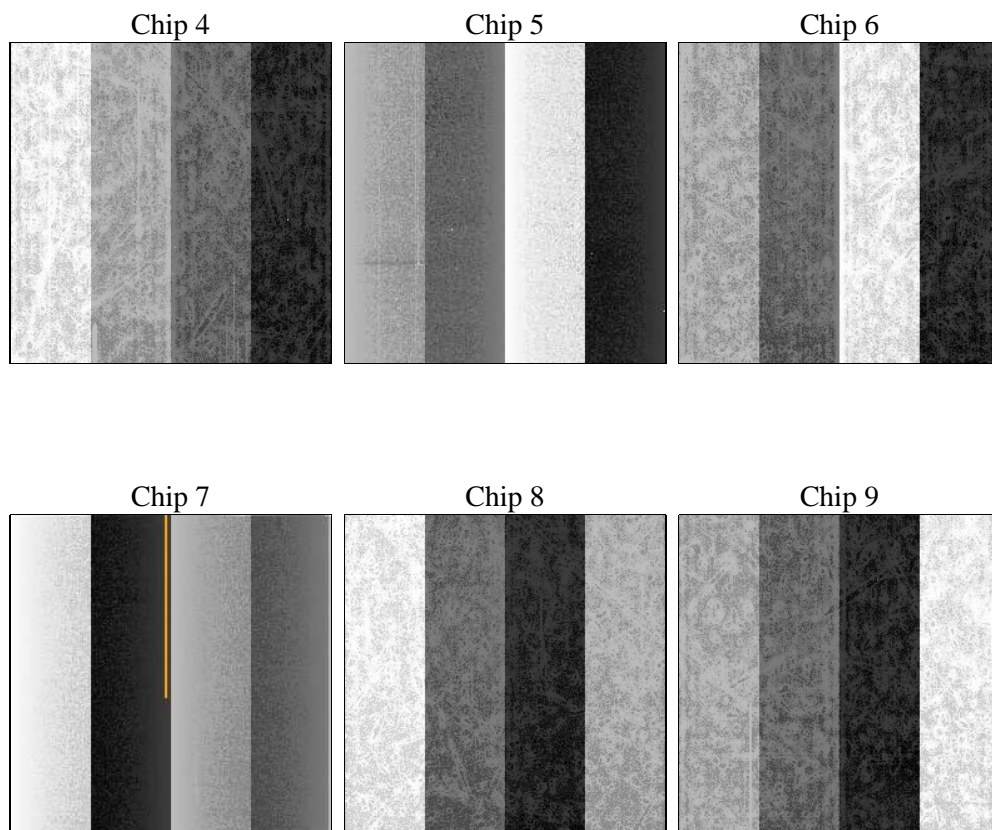
2 OBI

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	10.4.3.1	Processing system revision	ontime	3072.0000457764	Sum of GTIs [s]
caldbver	4.7.0	 	ontime4	3071.9518510103	Sum of GTIs [s]
date	2016-02-28T23:12:51	Date and time of file creation	ontime5	3072.0000457764	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3071.9928910732	Sum of GTIs [s]
			ontime7	3072.0000457764	Sum of GTIs [s]
			ontime8	3071.9108110666	Sum of GTIs [s]
			ontime9	3072.0000457764	Sum of GTIs [s]
			l1events	383975	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	72856	57970	64852	50900	69745	67652	grade 0 events	4491	3207	3384	2021	4953	3574
rejected events	64832	35102	57172	32396	57765	60145		6%	5%	5%	3%	7%	5%
rejected %	88%	60%	88%	63%	82%	88%	grade 1 events	39	752	23	44	31	33
								0%	1%	0%	0%	0%	0%
							grade 2 events	1714	8294	2094	4881	3006	1823
								2%	14%	3%	9%	4%	2%
							grade 3 events	587	660	513	1425	1021	529
								0%	1%	0%	2%	1%	0%
							grade 4 events	613	683	554	1312	933	543
								0%	1%	0%	2%	1%	0%
							grade 5 events	1389	2551	1312	3169	1776	1506
								1%	4%	2%	6%	2%	2%
							grade 6 events	1119	11262	1582	9945	2689	1504
								1%	19%	2%	19%	3%	2%
							grade 7 events	62904	30561	55390	28103	55336	58140
								86%	52%	85%	55%	79%	85%

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	311.0107982155242
[deg] Pointing Dec	0	34.02727438126124
[deg] Pointing Roll	0.0	38.91631572156498
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	573017229.887767	573017229.887767
Observation start date	2016-02-28T03:27:10	2016-02-28T03:27:09
[s] Observation end time (MET)	573021778.1318361	573021778.1318361
Observation end date	2016-02-28T04:42:58	2016-02-28T04:42:58
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)	2016.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0720000457764

A.2 Comments