

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 53069 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 24 2014

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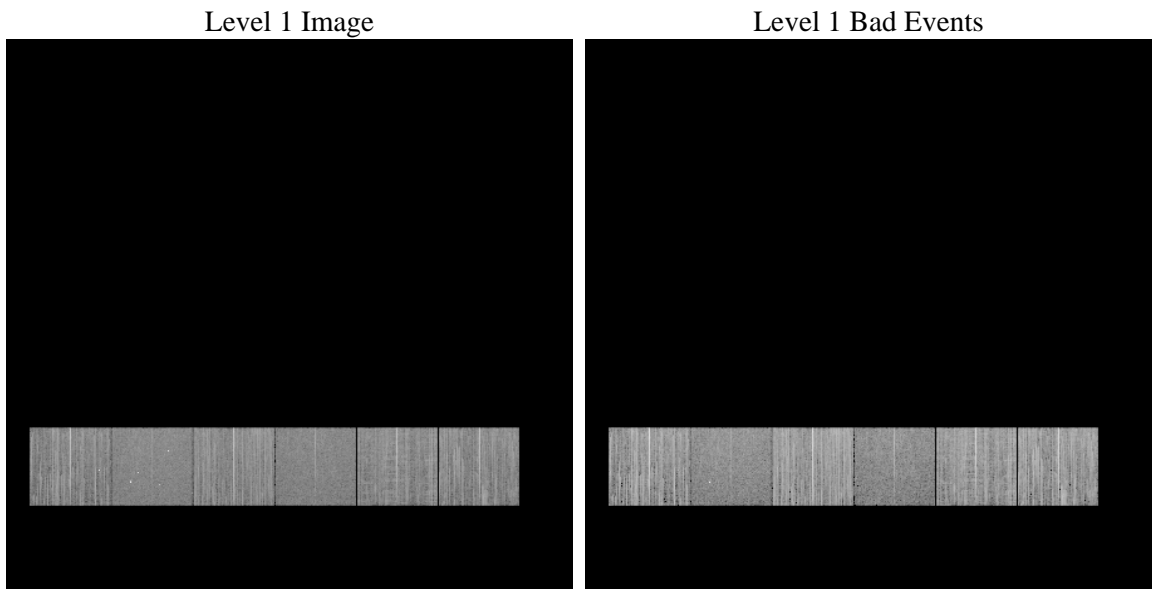
1 Front

seq_num	 	Sequence number
obs_id	53069	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	107.58537123243	Nominal RA [deg]
dec_nom	-33.938011424055	Nominal Dec [deg]
roll_nom	340.17972350564	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7157.0683580637	Sum of GTIs [s]
livetime	7066.4412490447	Livetime [s]
ontime4	7153.7042577267	Sum of GTIs [s]
ontime5	7157.0273180604	Sum of GTIs [s]
ontime6	7156.9862780571	Sum of GTIs [s]
ontime7	7157.0683580637	Sum of GTIs [s]
ontime8	7156.9041980505	Sum of GTIs [s]
ontime9	7157.109398067	Sum of GTIs [s]
l2events	183921	Number of level 2 events

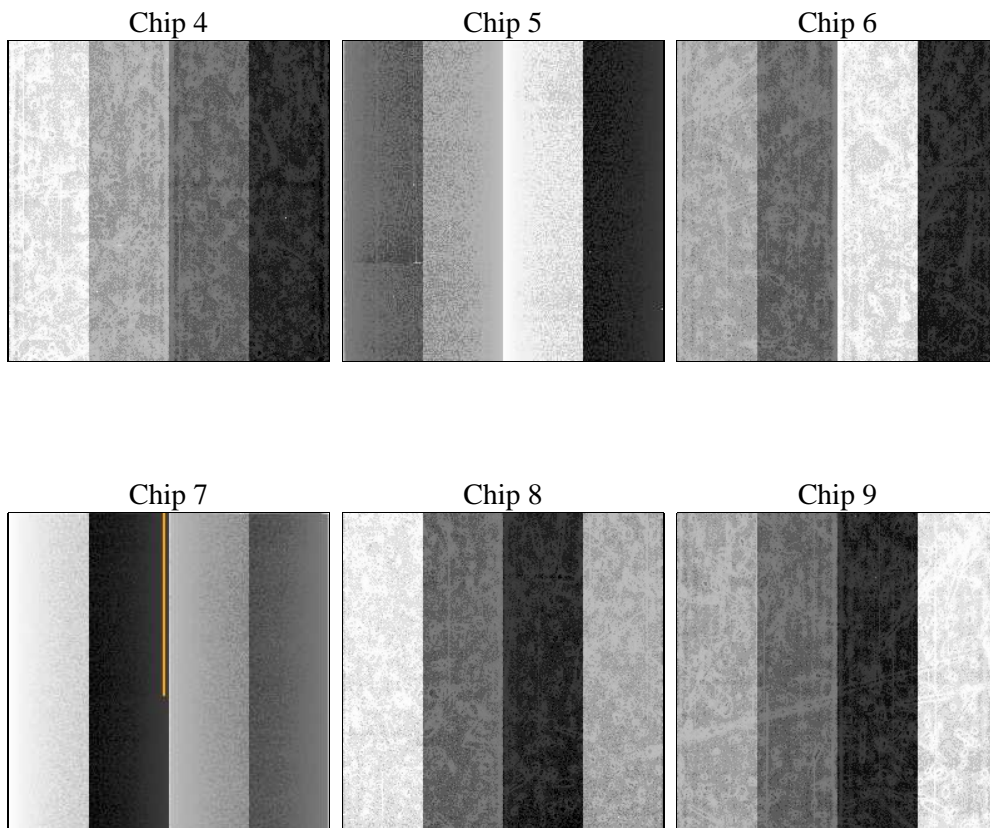
2 OBI

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	10.2.1	Processing system revision	ontime	7157.0683580637	Sum of GTIs [s]
caldsver	4.6.0	 	ontime4	7153.7042577267	Sum of GTIs [s]
date	2014-01-25T04:17:01	Date and time of file creation	ontime5	7157.0273180604	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7156.9862780571	Sum of GTIs [s]
			ontime7	7157.0683580637	Sum of GTIs [s]
			ontime8	7156.9041980505	Sum of GTIs [s]
			ontime9	7157.109398067	Sum of GTIs [s]
			l1events	750254	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	126602	114322	138112	102972	134193	134053	grade 0 events	14440	7142	12673	6465	14731	12391
rejected events	100920	62243	112695	57120	101330	109362		11%	6%	9%	6%	10%	9%
rejected %	79%	54%	81%	55%	75%	81%	grade 1 events	112	115	46	69	83	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	4637	19096	5156	11425	6797	4943
								3%	16%	3%	11%	5%	3%
							grade 3 events	1769	1831	1622	3864	2598	1709
								1%	1%	1%	3%	1%	1%
							grade 4 events	1722	1865	1725	3739	2534	1719
								1%	1%	1%	3%	1%	1%
							grade 5 events	2712	5316	2634	6399	3459	2936
								2%	4%	1%	6%	2%	2%
							grade 6 events	3374	22610	4499	20818	6481	4151
								2%	19%	3%	20%	4%	3%
							grade 7 events	97836	56347	109757	50193	97510	106123
								77%	49%	79%	48%	72%	79%

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	107.5853712324287
[deg] Pointing Dec	0	-33.9380114240547
[deg] Pointing Roll	0.0	340.1797235056406
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)	506978750.907083	506978750.907083
Observation start date	2014-01-24T19:25:51	2014-01-24T19:25:50
[s] Observation end time (MET)	506987770.031819	506987770.031819
Observation end date	2014-01-24T21:56:10	2014-01-24T21:56:10
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.01.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.1570683580637

A.2 Comments