

V&V Reference Report

L2 ASCDS Version : 10.2.2

Observation 52654 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 5 2014

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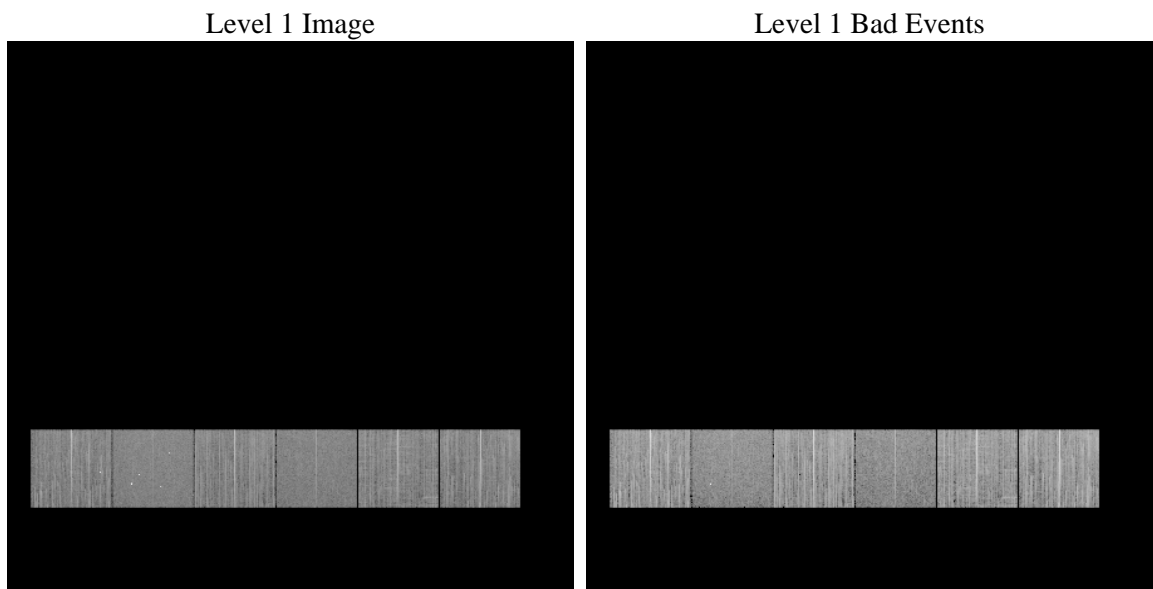
1 Front

seq_num	 	Sequence number
obs_id	52654	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	155.05607400297	Nominal RA [deg]
dec_nom	-3.2357876247168	Nominal Dec [deg]
roll_nom	239.62064003824	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8460.7999685407	Sum of GTIs [s]
livetime	8353.6642248569	Livetime [s]
ontime4	8460.7999685407	Sum of GTIs [s]
ontime5	8460.7999685407	Sum of GTIs [s]
ontime6	8460.7999685407	Sum of GTIs [s]
ontime7	8460.7999685407	Sum of GTIs [s]
ontime8	8460.7999685407	Sum of GTIs [s]
ontime9	8460.7999685407	Sum of GTIs [s]
l2events	202338	Number of level 2 events

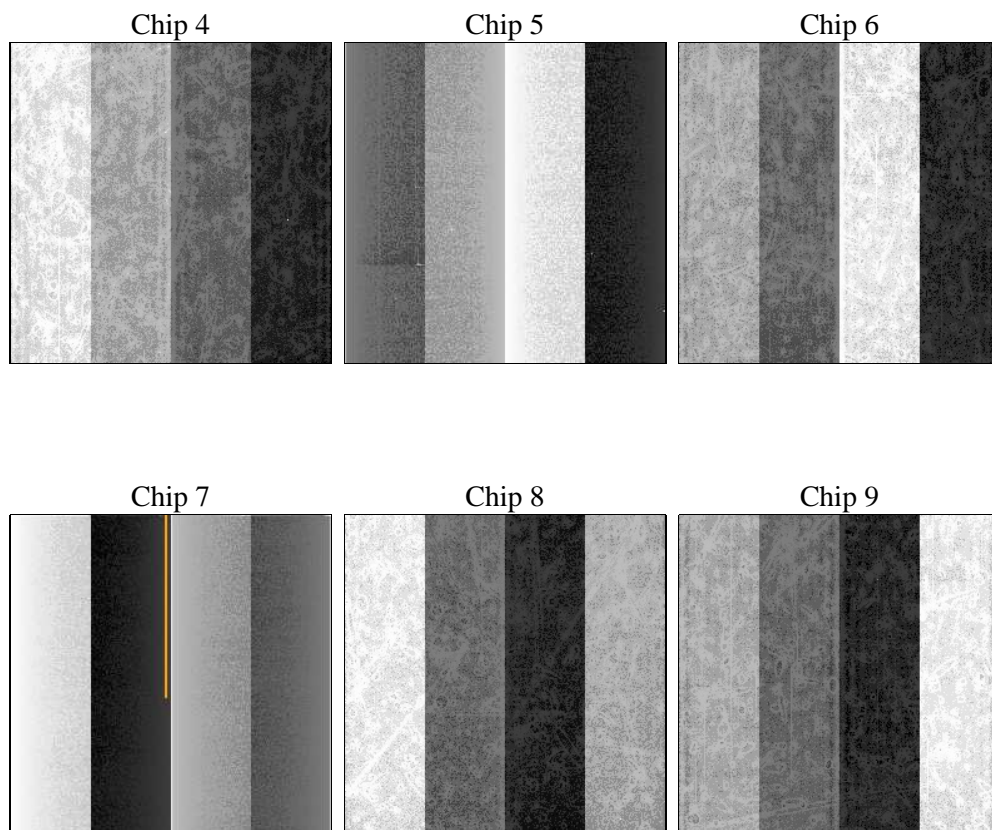
2 OBI

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	10.2.2	Processing system revision	ontime	8460.7999685407	Sum of GTIs [s]
caldsver	4.6.1	 	ontime4	8460.7999685407	Sum of GTIs [s]
date	2014-07-06T03:42:10	Date and time of file creation	ontime5	8460.7999685407	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8460.7999685407	Sum of GTIs [s]
			ontime7	8460.7999685407	Sum of GTIs [s]
			ontime8	8460.7999685407	Sum of GTIs [s]
			ontime9	8460.7999685407	Sum of GTIs [s]
			l1events	821090	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	137630	130367	142877	117681	145929	146606	grade 0 events	16015	7733	13285	6883	15746	13118
rejected events	109015	71469	115561	66046	109745	120032		11%	5%	9%	5%	10%	8%
rejected %	79%	54%	80%	56%	75%	81%	grade 1 events	109	101	53	79	94	61
								0%	0%	0%	0%	0%	0%
							grade 2 events	5147	21615	5631	12648	7487	5330
								3%	16%	3%	10%	5%	3%
							grade 3 events	1887	1851	1785	4198	2865	1867
								1%	1%	1%	3%	1%	1%
							grade 4 events	1930	1980	1850	4064	2836	1786
								1%	1%	1%	3%	1%	1%
							grade 5 events	3001	5991	3093	7272	3910	3531
								2%	4%	2%	6%	2%	2%
							grade 6 events	3636	25719	4765	23842	7250	4473
								2%	19%	3%	20%	4%	3%
							grade 7 events	105905	65377	112415	58695	105741	116440
								76%	50%	78%	49%	72%	79%

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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	155.0560740029719	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-3.235787624716795	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	239.6206400382372	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	520952361.427968	520952360.40297			
Observation start date	2014-07-05T12:59:21	2014-07-05T12:59:20			
[s] Observation end time (MET)	520963324.828575	520963323.80357			
Observation end date	2014-07-05T16:02:05	2014-07-05T16:02:03			
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)	2014.07.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4607999685407

A.2 Comments