

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52812 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 25 2014

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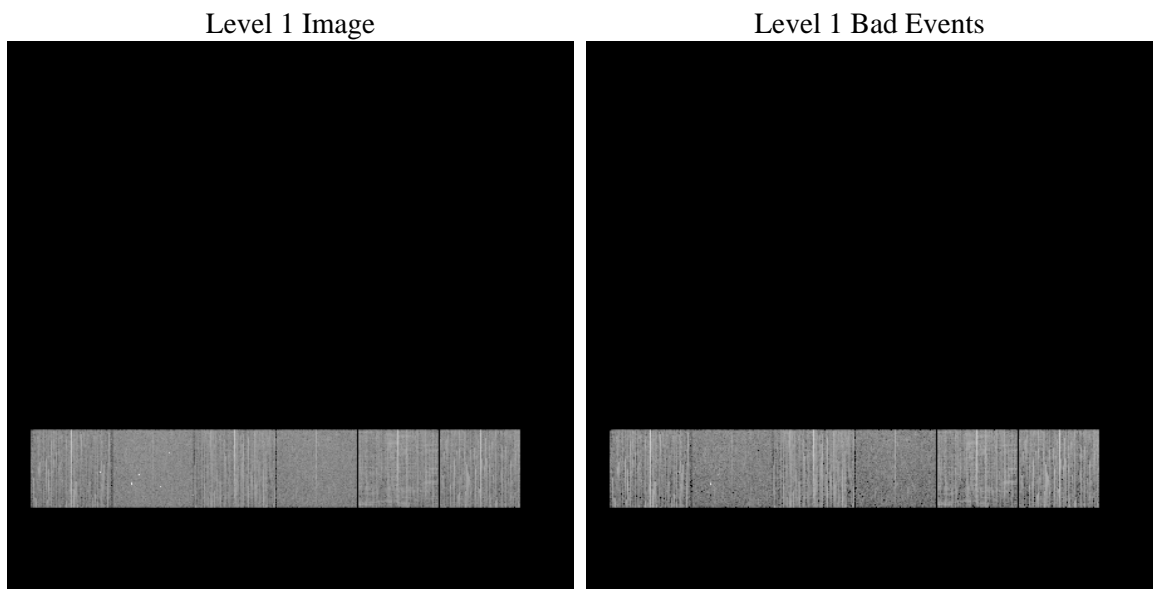
1 Front

seq_num	 	Sequence number
obs_id	52812	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	230.30674635456	Nominal RA [deg]
dec_nom	-31.571815930007	Nominal Dec [deg]
roll_nom	45.678183250053	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5099.4600045681	Sum of GTIs [s]
livetime	5034.8875714641	Livetime [s]
ontime4	5002.1071391106	Sum of GTIs [s]
ontime5	5099.4189645648	Sum of GTIs [s]
ontime6	5015.1122599244	Sum of GTIs [s]
ontime7	5099.4600045681	Sum of GTIs [s]
ontime8	5011.7891399264	Sum of GTIs [s]
ontime9	5005.5122599602	Sum of GTIs [s]
l2events	141177	Number of level 2 events

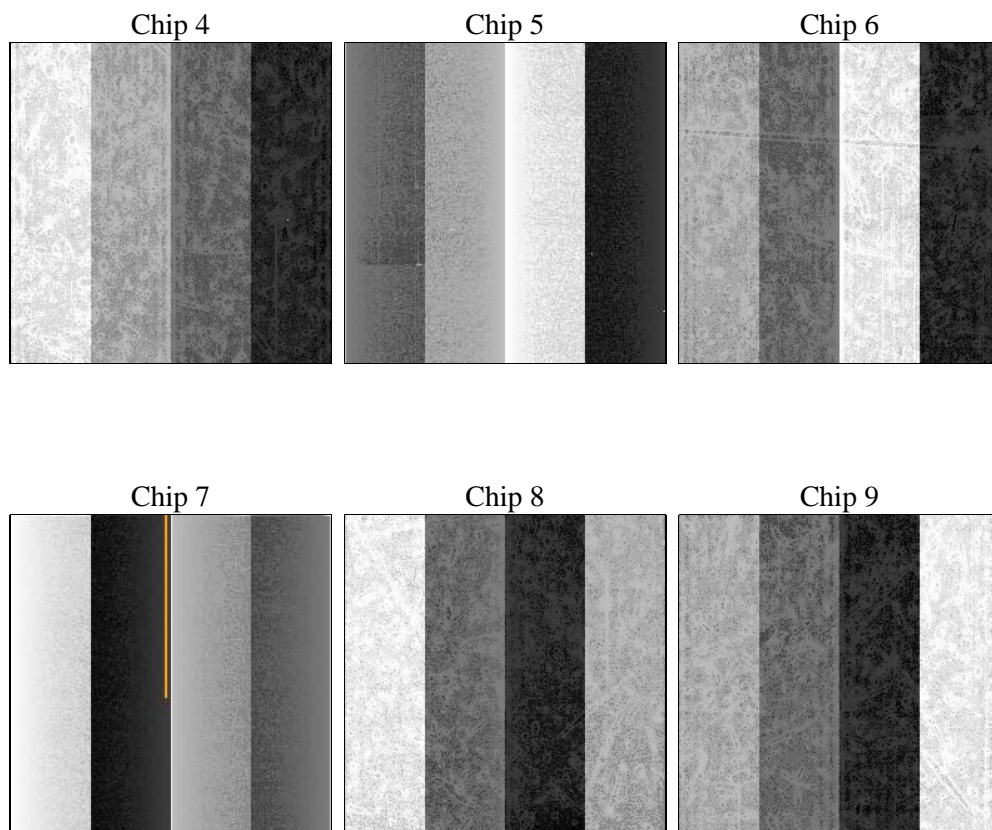
2 OBI

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	5099.4600045681	Sum of GTIs [s]
caldsver	4.6.1	 	ontime4	5002.1071391106	Sum of GTIs [s]
date	2014-04-25T18:09:48	Date and time of file creation	ontime5	5099.4189645648	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5015.1122599244	Sum of GTIs [s]
			ontime7	5099.4600045681	Sum of GTIs [s]
			ontime8	5011.7891399264	Sum of GTIs [s]
			ontime9	5005.5122599602	Sum of GTIs [s]
			l1events	542279	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	90124	84018	97600	75897	98854	95786	grade 0 events	11847	5595	10171	5453	11633	10027
rejected events	69371	46496	76719	41618	73204	75875		13%	6%	10%	7%	11%	10%
rejected %	76%	55%	78%	54%	74%	79%	grade 1 events	92	89	50	54	54	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	3712	14328	4474	8954	5540	4075
								4%	17%	4%	11%	5%	4%
							grade 3 events	1392	1210	1410	2763	1995	1389
								1%	1%	1%	3%	2%	1%
							grade 4 events	1418	1193	1315	2793	1909	1349
								1%	1%	1%	3%	1%	1%
							grade 5 events	1913	3633	1948	4462	2492	2062
								2%	4%	1%	5%	2%	2%
							grade 6 events	3160	16716	4251	15644	5613	3839
								3%	19%	4%	20%	5%	4%
							grade 7 events	66590	41254	73981	35774	69618	73001
								73%	49%	75%	47%	70%	76%

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	230.3067463545637	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-31.57181593000681	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	45.67818325005348	[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)	514784370.287076	514784369.26208			
Observation start date	2014-04-25T03:39:30	2014-04-25T03:39:29			
[s] Observation end time (MET)	514791221.387454	514791220.36245			
Observation end date	2014-04-25T05:33:41	2014-04-25T05:33:40			
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)	2014.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0994600045681

A.2 Comments