

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 54680 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 22 2012

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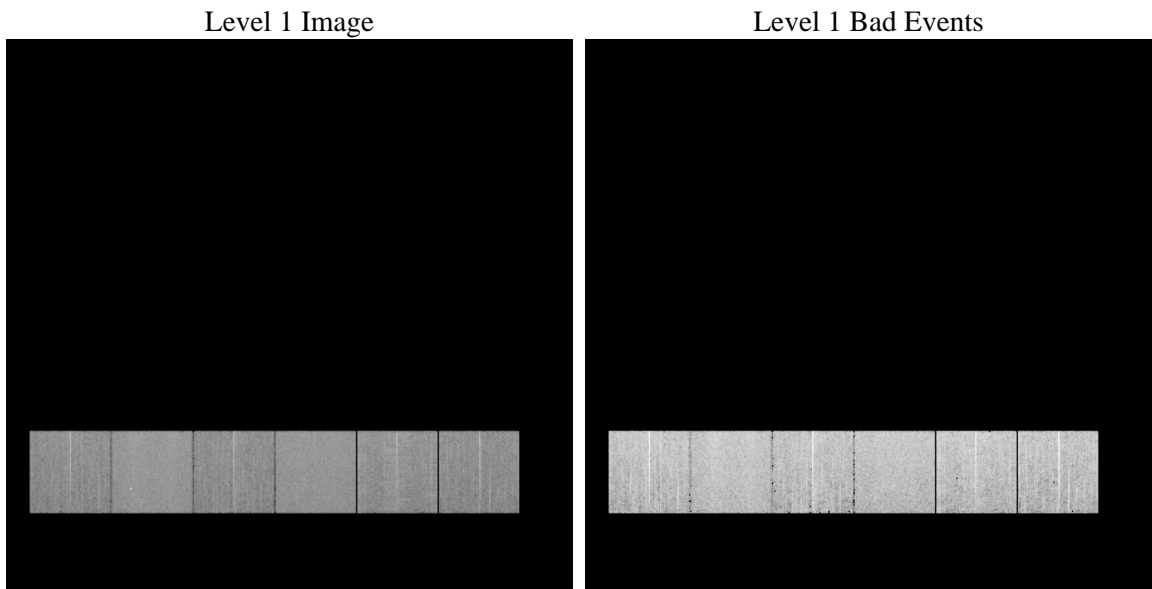
1 Front

seq_num	 	Sequence number
obs_id	54680	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	186.02331003868	Nominal RA [deg]
dec_nom	-21.01874237392	Nominal Dec [deg]
roll_nom	286.5034469364	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8274.5825514197	Sum of GTIs [s]
livetime	8169.8048047982	Livetime [s]
ontime4	8274.4594314098	Sum of GTIs [s]
ontime5	8274.5415114164	Sum of GTIs [s]
ontime6	8274.5004714131	Sum of GTIs [s]
ontime7	8274.5825514197	Sum of GTIs [s]
ontime8	8274.4183914065	Sum of GTIs [s]
ontime9	8274.623591423	Sum of GTIs [s]
l2events	285451	Number of level 2 events

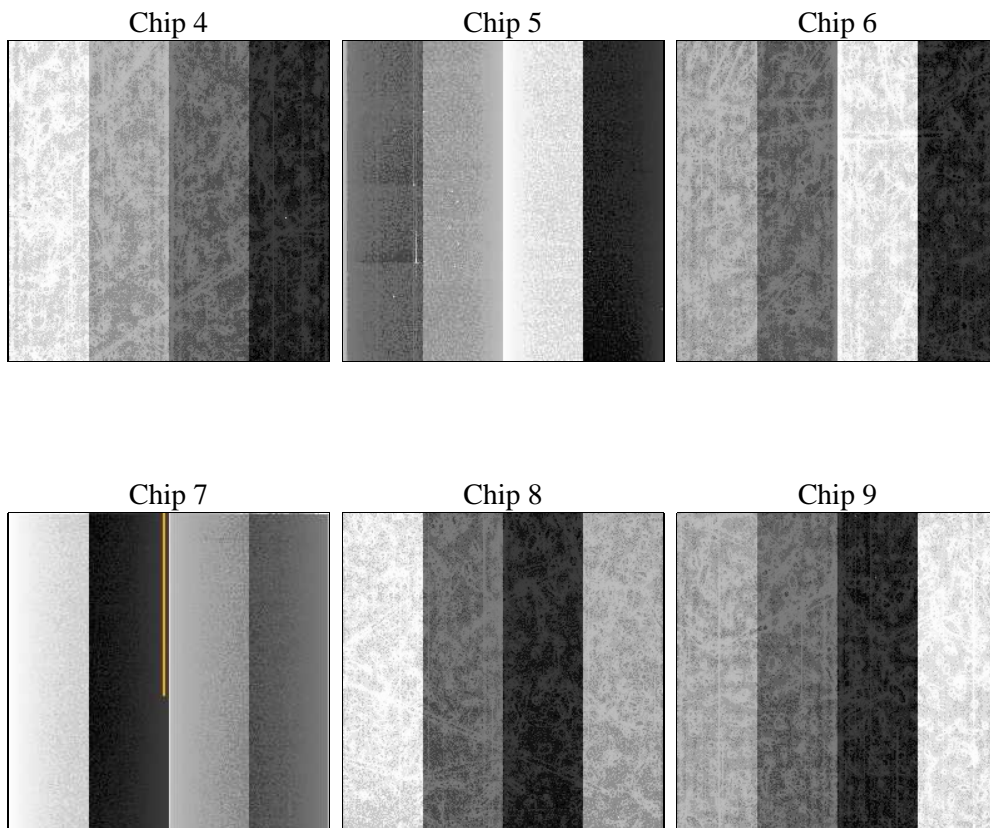
2 OBI

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	8.4.4	Processing system revision	ontime	8274.5825514197	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8274.4594314098	Sum of GTIs [s]
date	2012-04-22T23:50:14	Date and time of file creation	ontime5	8274.5415114164	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8274.5004714131	Sum of GTIs [s]
			ontime7	8274.5825514197	Sum of GTIs [s]
			ontime8	8274.4183914065	Sum of GTIs [s]
			ontime9	8274.623591423	Sum of GTIs [s]
			l1events	677402	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	100127	134684	100383	125610	115659	100939	grade 0 events	22101	6136	17846	9749	23235	20093
rejected events	61420	62534	58977	58295	63955	60535		22%	4%	17%	7%	20%	19%
rejected %	61%	46%	58%	46%	55%	59%	grade 1 events	197	168	95	80	124	131
								0%	0%	0%	0%	0%	0%
							grade 2 events	6018	25874	11279	15334	11117	8368
								6%	19%	11%	12%	9%	8%
							grade 3 events	2766	2658	2243	5459	3745	2586
								2%	1%	2%	4%	3%	2%
							grade 4 events	2737	2659	2257	5201	3618	2462
								2%	1%	2%	4%	3%	2%
							grade 5 events	3290	6488	3086	8003	4285	3661
								3%	4%	3%	6%	3%	3%
							grade 6 events	5101	34852	7800	31601	10005	6907
								5%	25%	7%	25%	8%	6%
							grade 7 events	57917	55849	55777	50183	59530	56731
								57%	41%	55%	39%	51%	56%

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	186.0233100386812	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-21.01874237391961	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	286.5034469364029	[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)	451483537.1856	451483536.1606			
Observation start date	2012-04-22T12:05:37	2012-04-22T12:05:36			
[s] Observation end time (MET)	451493717.48614	451493716.46114			
Observation end date	2012-04-22T14:55:17	2012-04-22T14:55:16			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2745825514197

A.2 Comments