

V&V Reference Report

L2 ASCDS Version : 10.3

Observation 52353 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 29 2014

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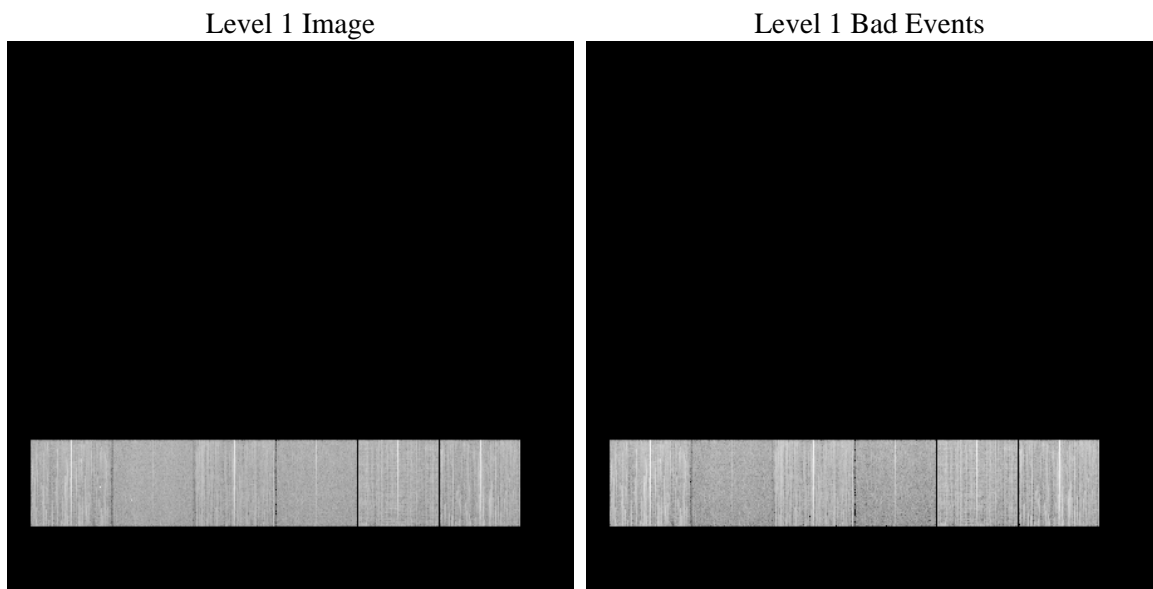
1 Front

seq_num	 	Sequence number
obs_id	52353	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	18.789254987467	Nominal RA [deg]
dec_nom	-15.894006807213	Nominal Dec [deg]
roll_nom	335.88820676913	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8278.3999692202	Sum of GTIs [s]
livetime	8173.5738841559	Livetime [s]
ontime4	8161.6734865308	Sum of GTIs [s]
ontime5	8278.3999692202	Sum of GTIs [s]
ontime6	8164.9554655552	Sum of GTIs [s]
ontime7	8278.3999692202	Sum of GTIs [s]
ontime8	8181.0786564946	Sum of GTIs [s]
ontime9	8158.479942441	Sum of GTIs [s]
l2events	187247	Number of level 2 events

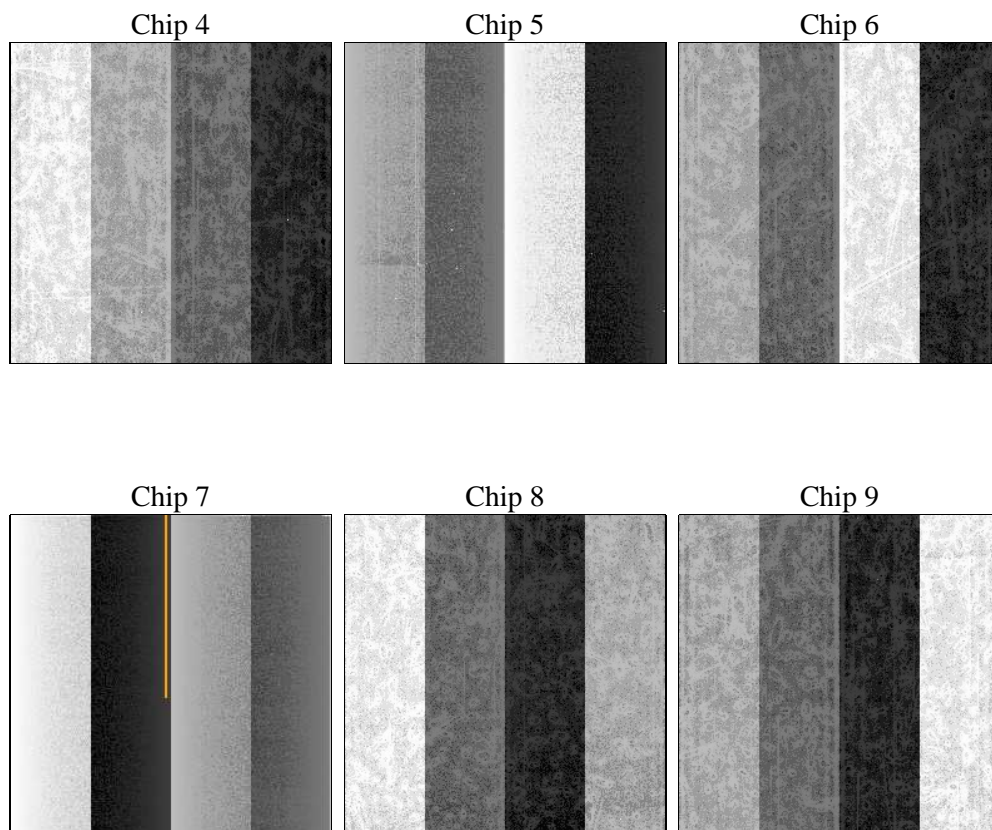
2 OBI

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	10.3	Processing system revision	ontime	8278.3999692202	Sum of GTIs [s]
caldbver	4.6.4	 	ontime4	8161.6734865308	Sum of GTIs [s]
date	2014-10-30T01:35:20	Date and time of file creation	ontime5	8278.3999692202	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8164.9554655552	Sum of GTIs [s]
			ontime7	8278.3999692202	Sum of GTIs [s]
			ontime8	8181.0786564946	Sum of GTIs [s]
			ontime9	8158.479942441	Sum of GTIs [s]
			l1events	854506	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	159276	123110	150302	117303	151208	153307	grade 0 events	12942	3394	10564	5909	13924	11482
rejected events	134797	71860	125914	68662	118525	128979		8%	2%	7%	5%	9%	7%
rejected %	84%	58%	83%	58%	78%	84%	grade 1 events	117	135	40	83	85	68
								0%	0%	0%	0%	0%	0%
							grade 2 events	4854	18909	6466	12039	7254	5369
								3%	15%	4%	10%	4%	3%
							grade 3 events	1731	1456	1389	3515	2498	1650
								1%	1%	0%	2%	1%	1%
							grade 4 events	1709	1359	1415	3459	2451	1571
								1%	1%	0%	2%	1%	1%
							grade 5 events	2986	5238	2638	6793	3731	3303
								1%	4%	1%	5%	2%	2%
							grade 6 events	3256	26151	4563	23738	6559	4269
								2%	21%	3%	20%	4%	2%
							grade 7 events	131681	66468	123227	61767	114706	125595
								82%	53%	81%	52%	75%	81%

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	18.78925498746666	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-15.89400680721328	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	335.8882067691346	[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)	530777216.573097	530777215.5481			
Observation start date	2014-10-27T06:06:57	2014-10-27T06:06:55			
[s] Observation end time (MET)	530790074.173811	530790073.14881			
Observation end date	2014-10-27T09:41:14	2014-10-27T09:41:13			
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)	2014.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999692202

A.2 Comments