

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52795 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 3 2014

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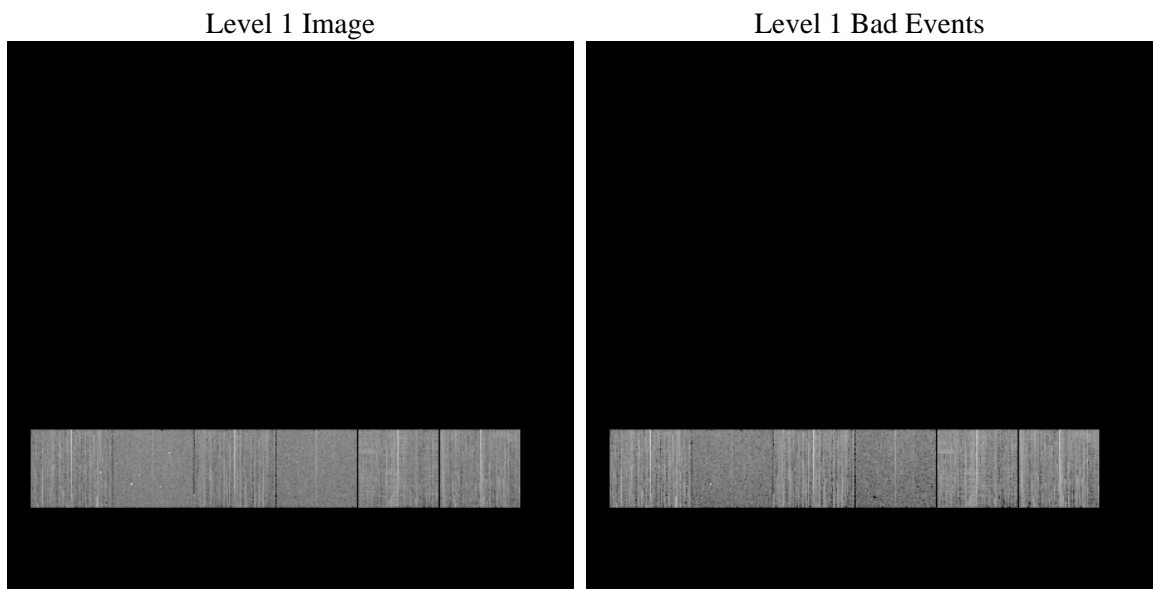
1 Front

seq_num	 	Sequence number
obs_id	52795	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	216.42737300633	Nominal RA [deg]
dec_nom	-39.881937960548	Nominal Dec [deg]
roll_nom	351.80465036848	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6150.3765884042	Sum of GTIs [s]
livetime	6072.4968167296	Livetime [s]
ontime4	6150.2534683943	Sum of GTIs [s]
ontime5	6150.3355484009	Sum of GTIs [s]
ontime6	6150.2945083976	Sum of GTIs [s]
ontime7	6150.3765884042	Sum of GTIs [s]
ontime8	6146.9713976383	Sum of GTIs [s]
ontime9	6150.3999771476	Sum of GTIs [s]
l2events	153641	Number of level 2 events

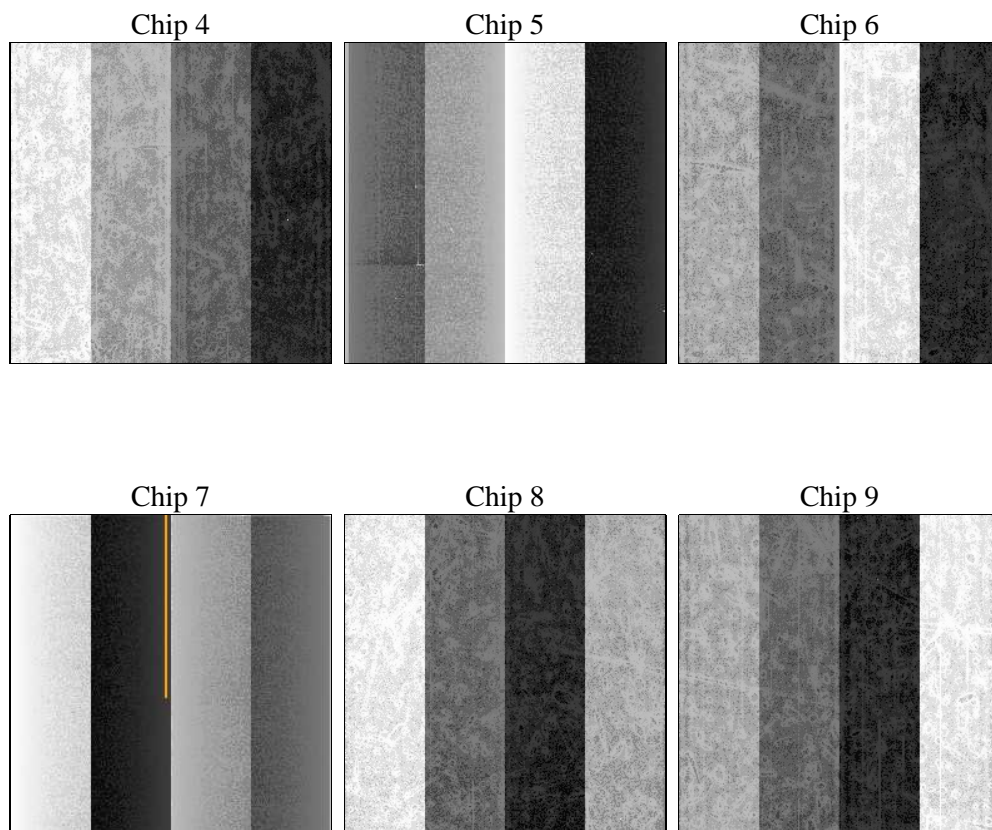
2 OBI

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	6150.3765884042	Sum of GTIs [s]
caldsver	4.6.1	 	ontime4	6150.2534683943	Sum of GTIs [s]
date	2014-05-03T16:21:32	Date and time of file creation	ontime5	6150.3355484009	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	6150.2945083976	Sum of GTIs [s]
			ontime7	6150.3765884042	Sum of GTIs [s]
			ontime8	6146.9713976383	Sum of GTIs [s]
			ontime9	6150.3999771476	Sum of GTIs [s]
			l1events	631190	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	110487	98034	106433	88630	117330	110276	grade 0 events	12175	5447	10245	5319	11864	9932
rejected events	88834	54371	85600	49498	90095	90057		11%	5%	9%	6%	10%	9%
rejected %	80%	55%	80%	55%	76%	81%	grade 1 events	84	76	62	54	72	73
								0%	0%	0%	0%	0%	0%
							grade 2 events	3838	15702	4237	9635	5648	4058
								3%	16%	3%	10%	4%	3%
							grade 3 events	1488	1556	1375	3159	2062	1407
								1%	1%	1%	3%	1%	1%
							grade 4 events	1431	1429	1395	3120	2158	1385
								1%	1%	1%	3%	1%	1%
							grade 5 events	2327	4452	2271	5528	3132	2596
								2%	4%	2%	6%	2%	2%
							grade 6 events	2721	19529	3581	17899	5503	3437
								2%	19%	3%	20%	4%	3%
							grade 7 events	86423	49843	83267	43916	86891	87388
								78%	50%	78%	49%	74%	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	216.4273730063284	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-39.88193796054808	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	351.8046503684844	[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)	515468108.874858	515468107.84986			
Observation start date	2014-05-03T01:35:09	2014-05-03T01:35:07			
[s] Observation end time (MET)	515477838.175396	515477837.1504			
Observation end date	2014-05-03T04:17:18	2014-05-03T04:17:17			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.1503765884042

A.2 Comments