

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54541 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 19 2012

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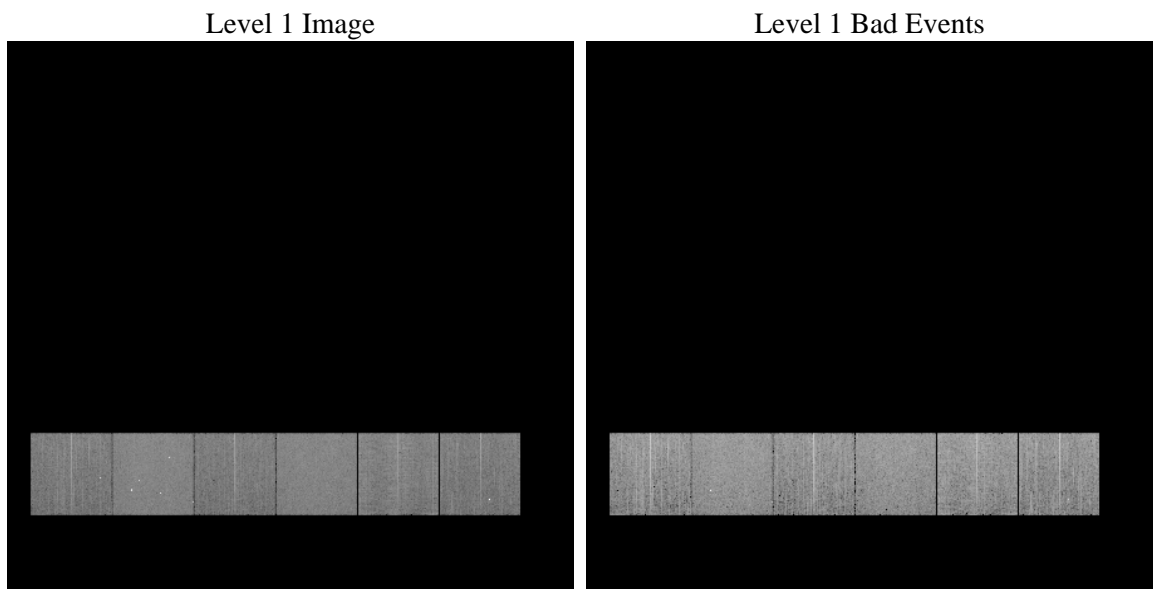
1 Front

seq_num	 	Sequence number
obs_id	54541	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	283.05395690501	Nominal RA [deg]
dec_nom	-4.2621597393947	Nominal Dec [deg]
roll_nom	145.88351409024	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8041.1878979802	Sum of GTIs [s]
livetime	7939.3655349939	Livetime [s]
ontime4	8041.0647779703	Sum of GTIs [s]
ontime5	8041.1468579769	Sum of GTIs [s]
ontime6	8041.1058179736	Sum of GTIs [s]
ontime7	8041.1878979802	Sum of GTIs [s]
ontime8	8041.023737967	Sum of GTIs [s]
ontime9	8041.2289379835	Sum of GTIs [s]
l2events	283252	Number of level 2 events

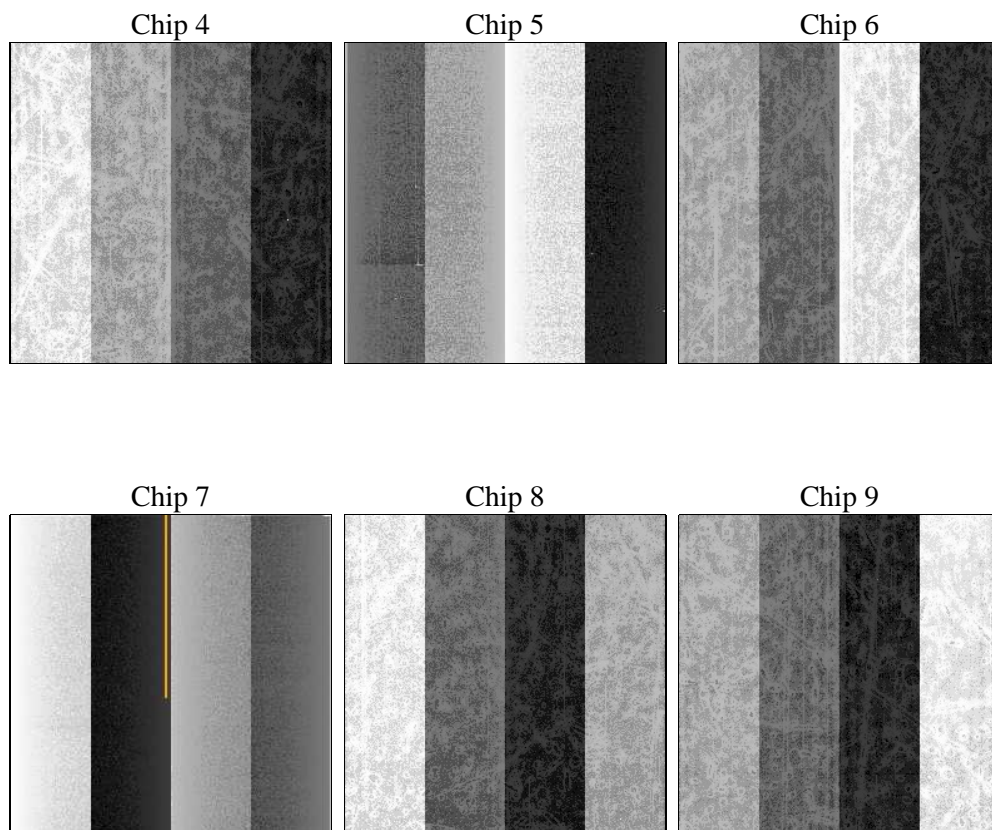
2 OBI

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	8.4.5	Processing system revision	ontime	8041.1878979802	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	8041.0647779703	Sum of GTIs [s]
date	2012-06-20T00:03:26	Date and time of file creation	ontime5	8041.1468579769	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8041.1058179736	Sum of GTIs [s]
			ontime7	8041.1878979802	Sum of GTIs [s]
			ontime8	8041.023737967	Sum of GTIs [s]
			ontime9	8041.2289379835	Sum of GTIs [s]
			l1events	655575	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	96623	131606	95358	122105	112880	97003	grade 0 events	23558	11375	22446	11354	25122	24108
rejected events	56275	58980	52795	56211	61278	54034		24%	8%	23%	9%	22%	24%
rejected %	58%	44%	55%	46%	54%	55%	grade 1 events	183	245	121	99	132	147
								0%	0%	0%	0%	0%	0%
							grade 2 events	6747	26272	8307	14882	10477	7594
								6%	19%	8%	12%	9%	7%
							grade 3 events	2978	2897	2983	5938	4047	2874
								3%	2%	3%	4%	3%	2%
							grade 4 events	2869	2954	2810	6001	3961	2938
								2%	2%	2%	4%	3%	3%
							grade 5 events	3316	7446	3464	8364	4402	3772
								3%	5%	3%	6%	3%	3%
							grade 6 events	5735	31570	7685	30021	10065	7178
								5%	23%	8%	24%	8%	7%
							grade 7 events	51237	48847	47542	45446	54674	48392
								53%	37%	49%	37%	48%	49%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	283.0539569050092
[deg] Pointing Dec	0	-4.262159739394664
[deg] Pointing Roll	0.0	145.8835140902359
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	456479099.422529	456479099.422529
Observation start date	2012-06-19T07:44:59	2012-06-19T07:44:59
[s] Observation end time (MET)	456488646.240568	456488646.240568
Observation end date	2012-06-19T10:24:06	2012-06-19T10:24:06
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0411878979802

A.2 Comments