

V&V Reference Report

L2 ASCDS Version : 10

Observation 53599 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 30 2013

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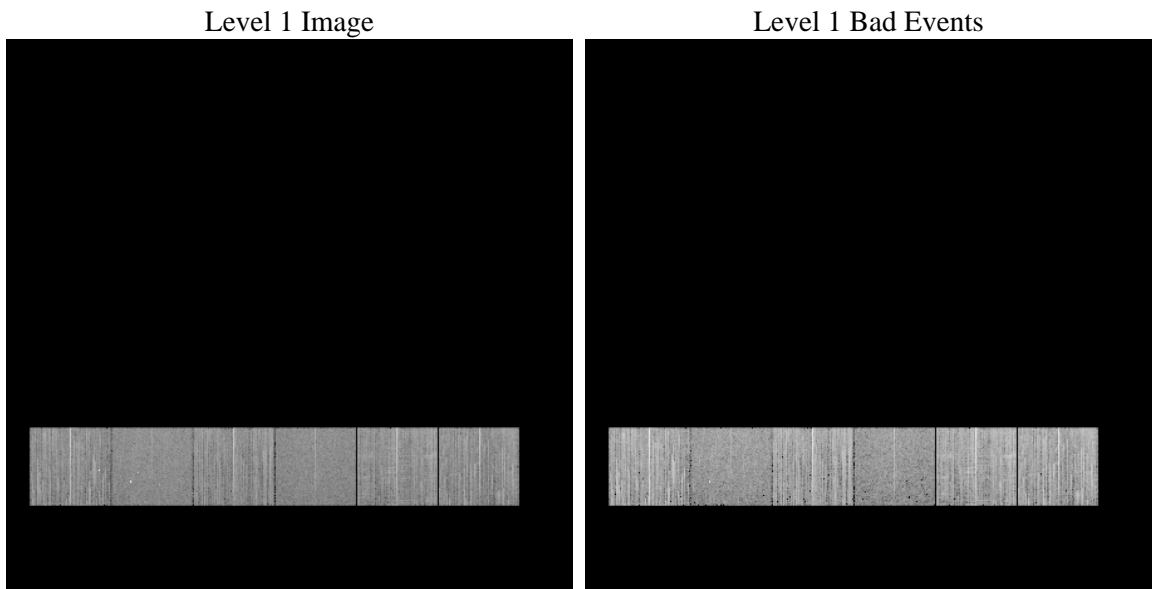
1 Front

seq_num	 	Sequence number
obs_id	53599	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	243.01137124981	Nominal RA [deg]
dec_nom	-20.026818419295	Nominal Dec [deg]
roll_nom	258.03497148854	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5609.7865003347	Sum of GTIs [s]
livetime	5538.7520058596	Livetime [s]
ontime4	5612.7999791503	Sum of GTIs [s]
ontime5	5612.7999791503	Sum of GTIs [s]
ontime6	5612.7999791503	Sum of GTIs [s]
ontime7	5609.7865003347	Sum of GTIs [s]
ontime8	5612.7999791503	Sum of GTIs [s]
ontime9	5609.7454603314	Sum of GTIs [s]
l2events	156693	Number of level 2 events

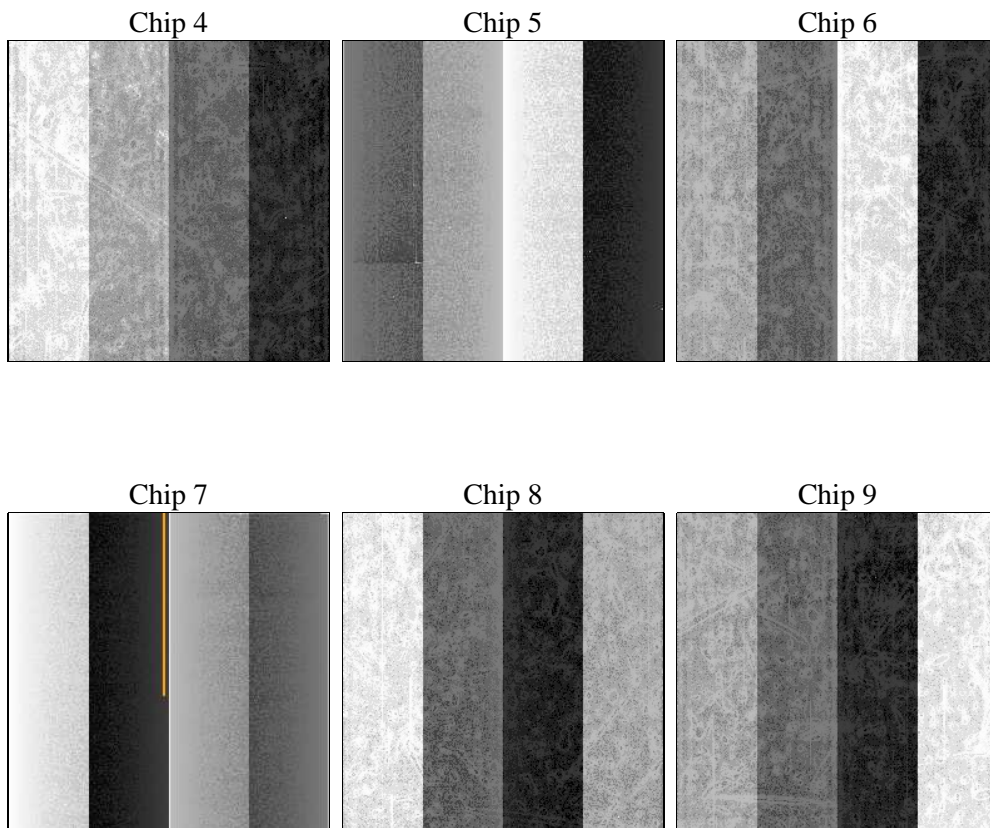
2 OBI

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	Processing system revision	ontime	5609.7865003347	Sum of GTIs [s]
caldsver	4.5.7	 	ontime4	5612.7999791503	Sum of GTIs [s]
date	2013-06-30T17:52:28	Date and time of file creation	ontime5	5612.7999791503	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5612.7999791503	Sum of GTIs [s]
			ontime7	5609.7865003347	Sum of GTIs [s]
			ontime8	5612.7999791503	Sum of GTIs [s]
			ontime9	5609.7454603314	Sum of GTIs [s]
			l1events	586773	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	104125	88620	99783	80669	109757	103819	grade 0 events	12521	4729	11176	5452	12856	11011
rejected events	81682	47639	77308	42763	81835	82085		12%	5%	11%	6%	11%	10%
rejected %	78%	53%	77%	53%	74%	79%	grade 1 events	96	82	43	56	63	62
								0%	0%	0%	0%	0%	0%
							grade 2 events	4064	15186	4540	9313	5506	4231
								3%	17%	4%	11%	5%	4%
							grade 3 events	1501	1512	1513	3132	2158	1469
								1%	1%	1%	3%	1%	1%
							grade 4 events	1496	1398	1481	3066	2079	1436
								1%	1%	1%	3%	1%	1%
							grade 5 events	1999	3959	2039	4843	2644	2218
								1%	4%	2%	6%	2%	2%
							grade 6 events	2861	18156	3765	16943	5323	3587
								2%	20%	3%	21%	4%	3%
							grade 7 events	79587	43598	75226	37864	79128	79805
								76%	49%	75%	46%	72%	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	243.0113712498122	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-20.02681841929503	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	258.034971488543	[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)	488957320.871494	488957319.84649			
Observation start date	2013-06-30T05:28:41	2013-06-30T05:28:39			
[s] Observation end time (MET)	488966754.972007	488966753.94701			
Observation end date	2013-06-30T08:05:55	2013-06-30T08:05:53			
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)	2013.07.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.6097865003347

A.2 Comments