

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 54070 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 27 2012

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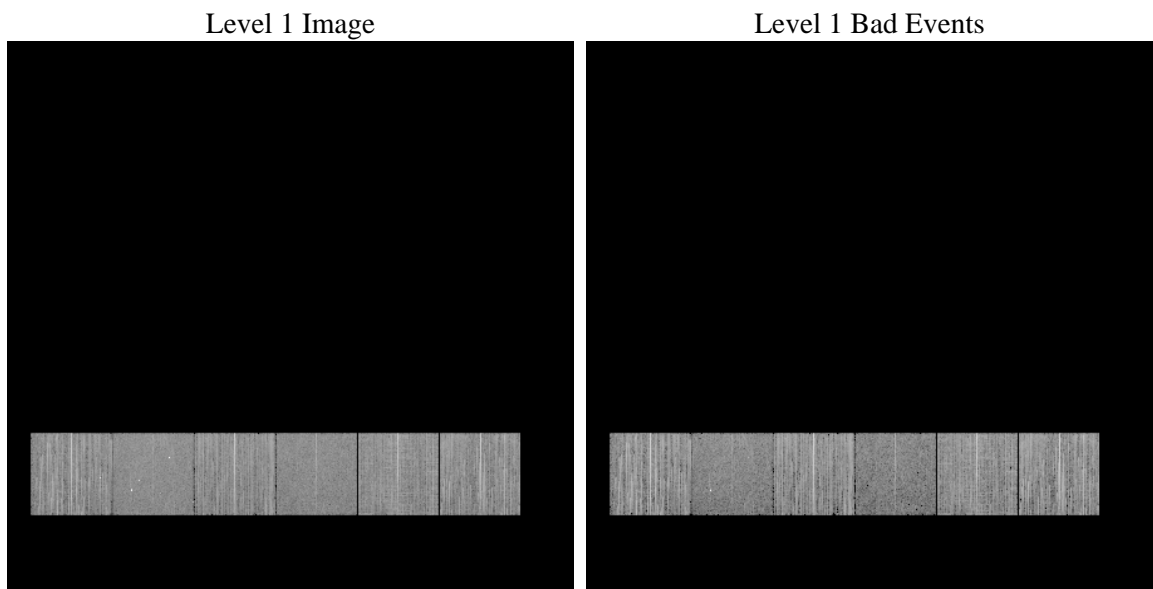
1 Front

seq_num	 	Sequence number
obs_id	54070	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	71.87102698128	Nominal RA [deg]
dec_nom	36.559528622623	Nominal Dec [deg]
roll_nom	243.85475660549	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4803.1999821663	Sum of GTIs [s]
livetime	4742.3789718523	Livetime [s]
ontime4	4803.1999821663	Sum of GTIs [s]
ontime5	4803.1999821663	Sum of GTIs [s]
ontime6	4803.1999821663	Sum of GTIs [s]
ontime7	4803.1999821663	Sum of GTIs [s]
ontime8	4803.1999821663	Sum of GTIs [s]
ontime9	4803.1999821663	Sum of GTIs [s]
l2events	153207	Number of level 2 events

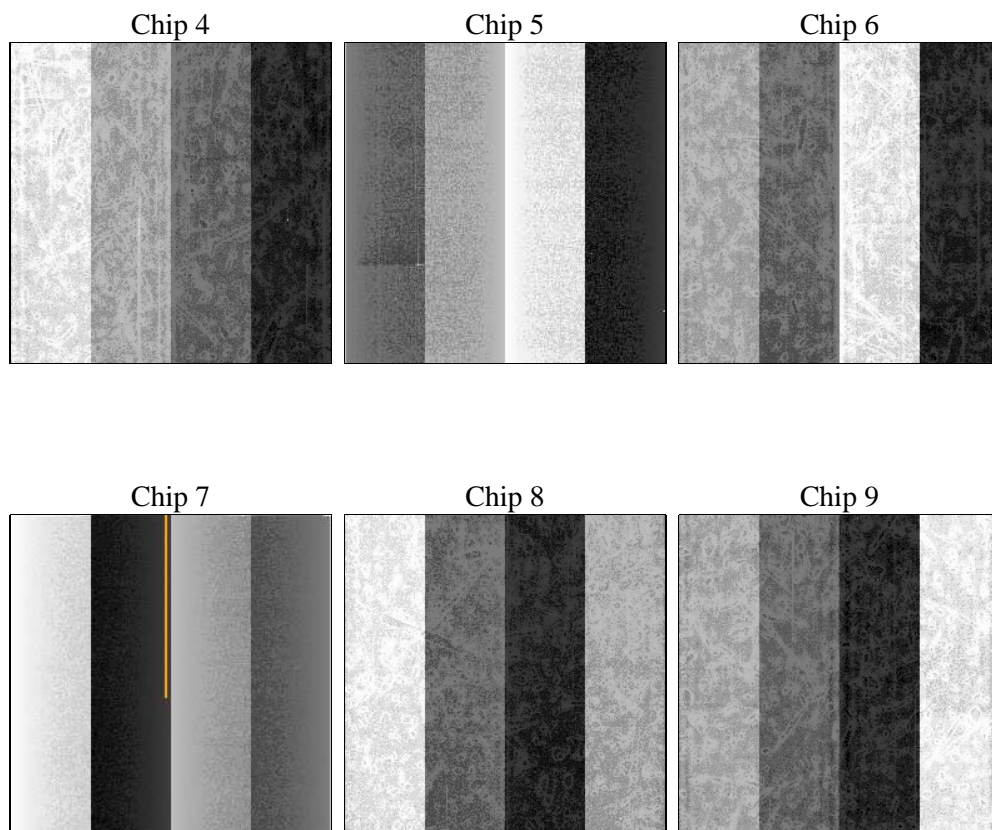
2 OBI

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	8.5.1.1	Processing system revision	ontime	4803.1999821663	Sum of GTIs [s]
caldsver	4.5.5	 	ontime4	4803.1999821663	Sum of GTIs [s]
date	2012-12-27T15:30:28	Date and time of file creation	ontime5	4803.1999821663	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	4803.1999821663	Sum of GTIs [s]
			ontime7	4803.1999821663	Sum of GTIs [s]
			ontime8	4803.1999821663	Sum of GTIs [s]
			ontime9	4803.1999821663	Sum of GTIs [s]
			l1events	592378	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	106618	91453	101785	80981	104278	107263	grade 0 events	12355	5944	11502	5969	13017	11166
rejected events	85198	50207	80035	43433	76505	86142		11%	6%	11%	7%	12%	10%
rejected %	79%	54%	78%	53%	73%	80%	grade 1 events	95	76	56	49	76	61
								0%	0%	0%	0%	0%	0%
							grade 2 events	4093	15693	4338	9485	5931	4211
								3%	17%	4%	11%	5%	3%
							grade 3 events	1567	1594	1484	3363	2291	1519
								1%	1%	1%	4%	2%	1%
							grade 4 events	1429	1595	1500	3226	2171	1499
								1%	1%	1%	3%	2%	1%
							grade 5 events	2043	4207	2109	4942	2712	2312
								1%	4%	2%	6%	2%	2%
							grade 6 events	2950	18187	3806	17162	5668	3635
								2%	19%	3%	21%	5%	3%
							grade 7 events	82086	44157	76990	36785	72412	82860
								76%	48%	75%	45%	69%	77%

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	71.87102698127961
[deg] Pointing Dec	0	36.55952862262262
[deg] Pointing Roll	0.0	243.8547566054944
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)	472934333.45449	472934333.45449
Observation start date	2012-12-26T18:38:53	2012-12-26T18:38:53
[s] Observation end time (MET)	472940615.105469	472940615.105469
Observation end date	2012-12-26T20:23:35	2012-12-26T20:23:35
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8031999821663

A.2 Comments