

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60942 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Oct 18 2012

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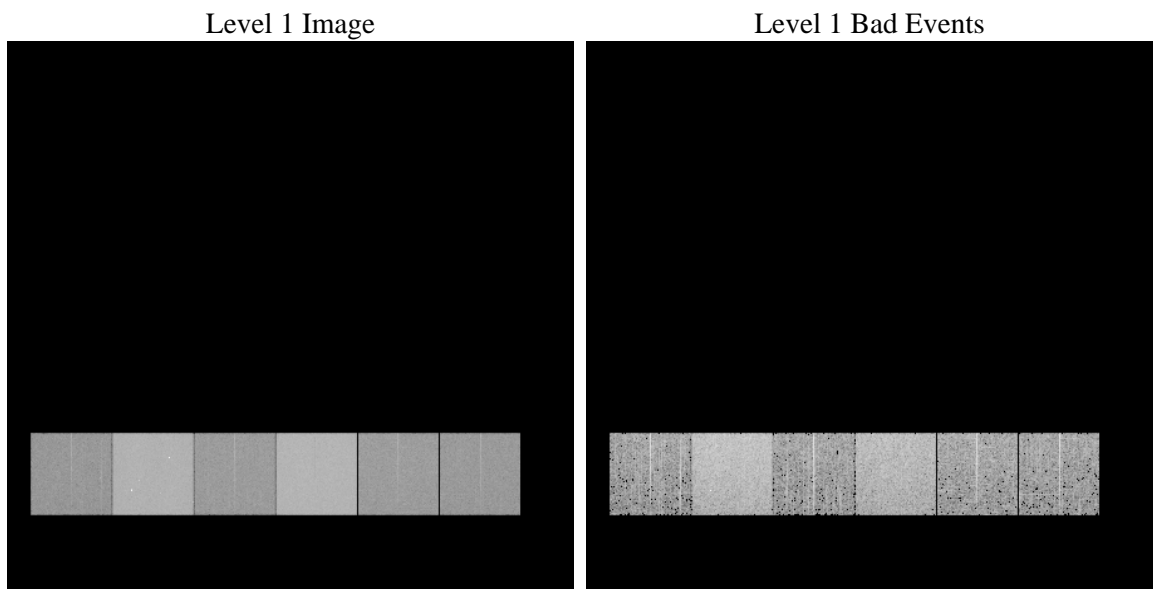
1 Front

seq_num	 	Sequence number
obs_id	60942	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	30.576043009178	Nominal RA [deg]
dec_nom	-38.90142687998	Nominal Dec [deg]
roll_nom	321.43716650183	Nominal Roll [deg]
revision	4	Processing version of data
ontime	7734.3999711871	Sum of GTIs [s]
livetime	7636.4623416554	Livetime [s]
ontime4	2868.2608746886	Sum of GTIs [s]
ontime5	7734.3999711871	Sum of GTIs [s]
ontime6	3153.4302875698	Sum of GTIs [s]
ontime7	7734.3999711871	Sum of GTIs [s]
ontime8	3235.9249225259	Sum of GTIs [s]
ontime9	3052.8348976672	Sum of GTIs [s]
l2events	1177952	Number of level 2 events

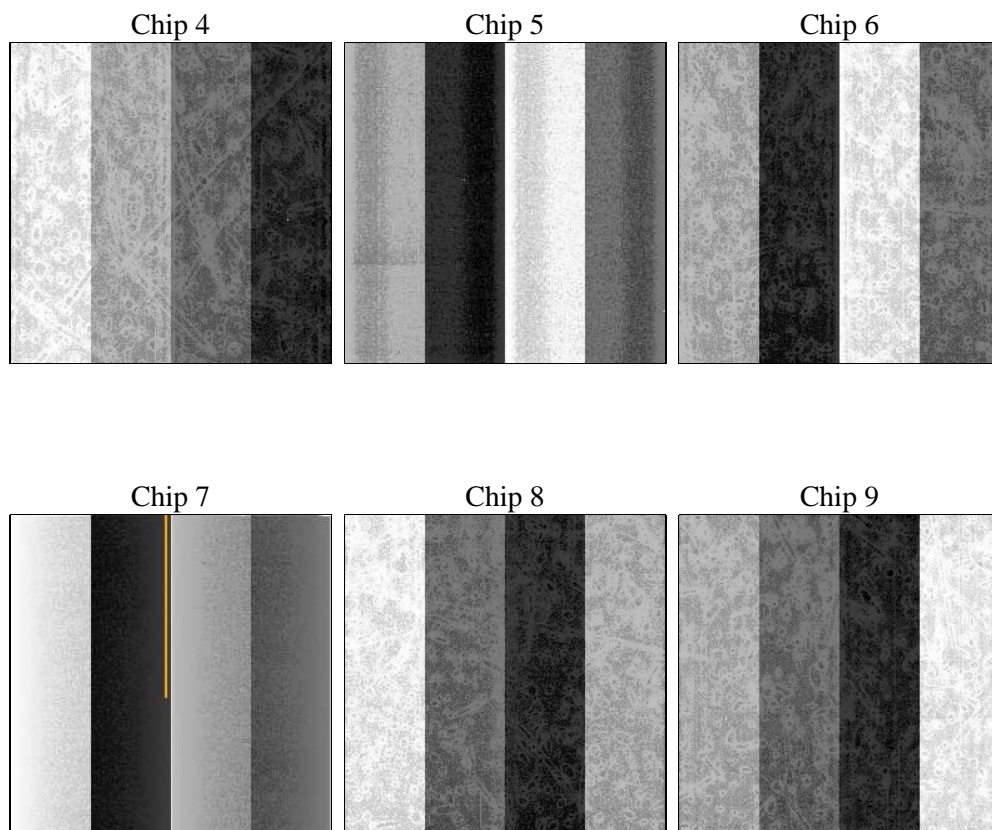
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1200	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7734.3999711871	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	2868.2608746886	Sum of GTIs [s]
date	2012-10-18T10:09:31	Date and time of file creation	ontime5	7734.3999711871	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	3153.4302875698	Sum of GTIs [s]
			ontime7	7734.3999711871	Sum of GTIs [s]
			ontime8	3235.9249225259	Sum of GTIs [s]
			ontime9	3052.8348976672	Sum of GTIs [s]
			l1events	1426267	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	146992	371659	169975	403027	176341	158273	grade 0 events	71697	79264	80321	91215	83544	74857
rejected events	23872	53587	24178	44100	26072	23485		48%	21%	47%	22%	47%	47%
rejected %	16%	14%	14%	10%	14%	14%	grade 1 events	529	369	424	279	424	433
								0%	0%	0%	0%	0%	0%
							grade 2 events	19825	111822	25206	80170	26454	23362
								13%	30%	14%	19%	15%	14%
							grade 3 events	8412	20623	9231	36920	9710	8800
								5%	5%	5%	9%	5%	5%
							grade 4 events	8155	20705	9090	36403	9751	8640
								5%	5%	5%	9%	5%	5%
							grade 5 events	1387	9101	1601	7885	1915	1684
								0%	2%	0%	1%	1%	1%
							grade 6 events	15886	88074	23061	116934	22008	20164
								10%	23%	13%	29%	12%	12%
							grade 7 events	21101	41701	21041	33221	22535	20333
								14%	11%	12%	8%	12%	12%

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	30.57613359361604	30.57604300917831
[deg] Pointing Dec	-38.90124186030974	-38.90142687997954
[deg] Pointing Roll	321.4371656799219	321.4371665018334
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	155345977.340961	155345977.340961
Observation start date	2002-12-04T00:35:00	2002-12-03T23:39:37
[s] Observation end time (MET)	155355312.50638	155355312.50638
Observation end date	2002-12-04T00:55:00	2002-12-04T02:15:12
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)	2012.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7343999711871

A.2 Comments