

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60327 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 13 2012

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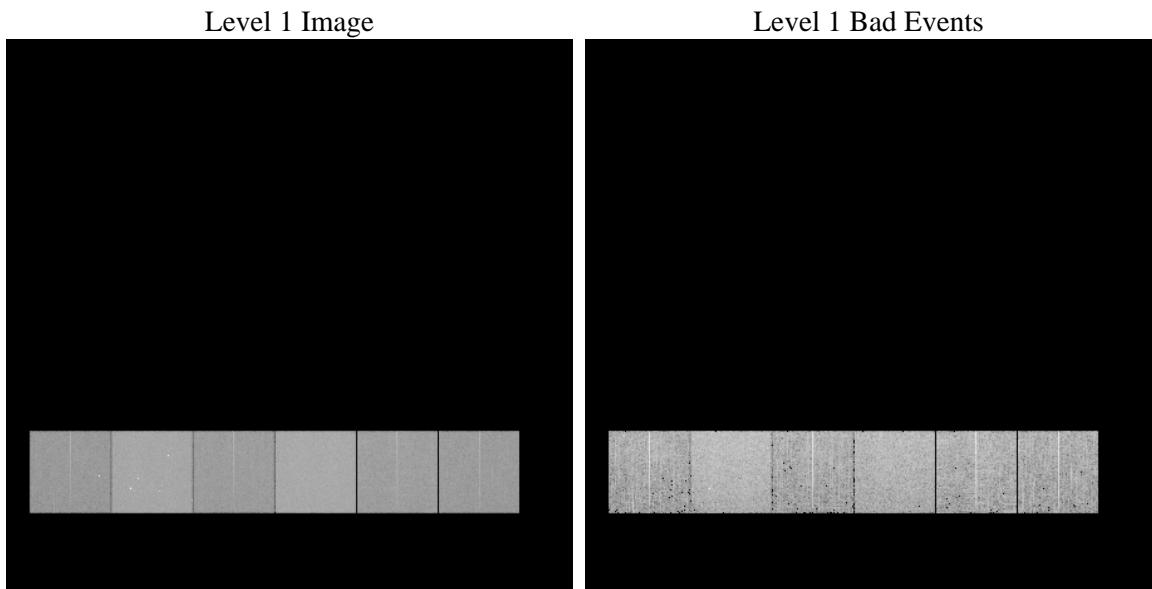
1 Front

seq_num	 	Sequence number
obs_id	60327	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	30.543903879468	Nominal RA [deg]
dec_nom	-38.890784808257	Nominal Dec [deg]
roll_nom	217.13352045492	Nominal Roll [deg]
revision	4	Processing version of data
ontime	7724.3188260198	Sum of GTIs [s]
livetime	7626.5088500183	Livetime [s]
ontime4	4548.0487492681	Sum of GTIs [s]
ontime5	7724.2777860165	Sum of GTIs [s]
ontime6	4949.9702295363	Sum of GTIs [s]
ontime7	7724.3188260198	Sum of GTIs [s]
ontime8	5182.3852345943	Sum of GTIs [s]
ontime9	4822.637119323	Sum of GTIs [s]
l2events	1095313	Number of level 2 events

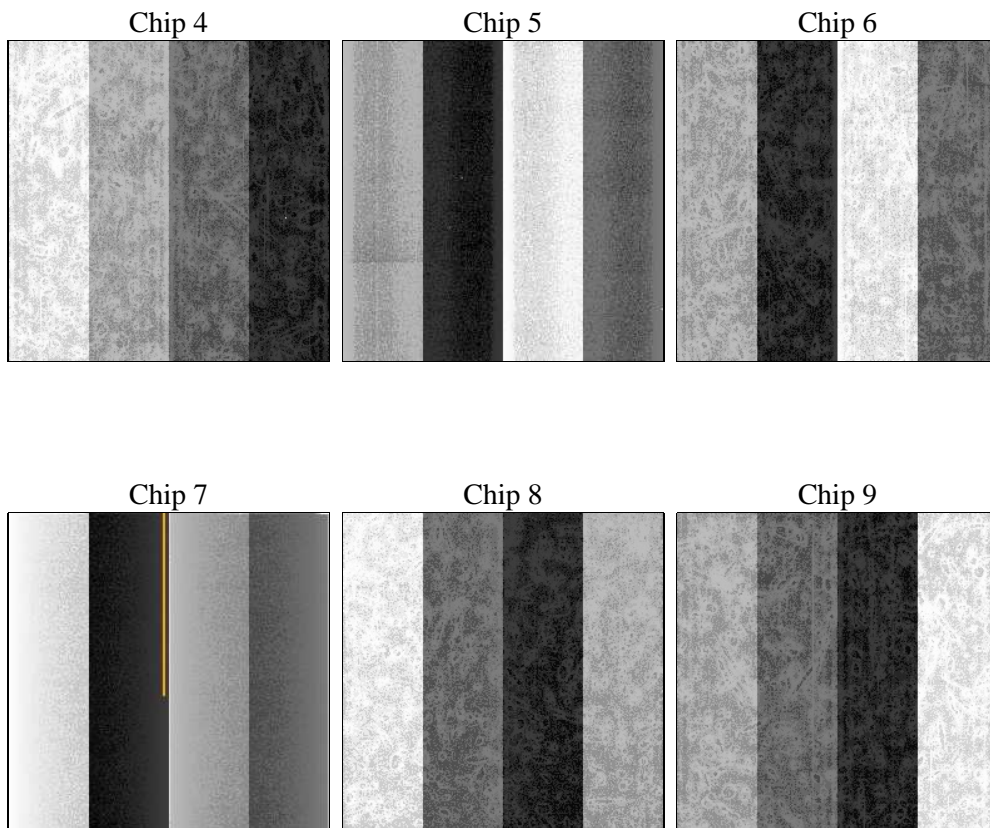
2 OBI

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	7724.3188260198	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	4548.0487492681	Sum of GTIs [s]
date	2012-11-13T19:58:34	Date and time of file creation	ontime5	7724.2777860165	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	4949.9702295363	Sum of GTIs [s]
			ontime7	7724.3188260198	Sum of GTIs [s]
			ontime8	5182.3852345943	Sum of GTIs [s]
			ontime9	4822.637119323	Sum of GTIs [s]
			l1events	1415324	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	181476	297956	203805	317027	220732	194328	grade 0 events	85027	59840	91272	67071	98137	87469
rejected events	37167	54254	37599	47030	42202	37373		46%	20%	44%	21%	44%	45%
rejected %	20%	18%	18%	14%	19%	19%	grade 1 events	585	344	488	211	508	480
								0%	0%	0%	0%	0%	0%
							grade 2 events	23156	85132	29022	60155	31650	27109
								12%	28%	14%	18%	14%	13%
							grade 3 events	9663	15369	10251	27408	11781	9994
								5%	5%	5%	8%	5%	5%
							grade 4 events	9472	15389	10457	27471	11613	10205
								5%	5%	5%	8%	5%	5%
							grade 5 events	2173	8436	2531	8285	3054	2426
								1%	2%	1%	2%	1%	1%
							grade 6 events	18468	70372	26790	90634	26833	23337
								10%	23%	13%	28%	12%	12%
							grade 7 events	32932	43074	32994	35792	37156	33308
								18%	14%	16%	11%	16%	17%

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	30.54393236360483	30.54390387946826
[deg] Pointing Dec	-38.89076806555263	-38.89078480825654
[deg] Pointing Roll	217.1335383327305	217.1335204549237
[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)	196471840.89892	196471840.89892
Observation start date	2004-03-24T00:05:00	2004-03-23T23:30:40
[s] Observation end time (MET)	196481180.08477	196481180.08477
Observation end date	2004-03-24T00:25:00	2004-03-24T02:06:20
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)	2012.12.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7243188260198

A.2 Comments