

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 54038 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 12 2013

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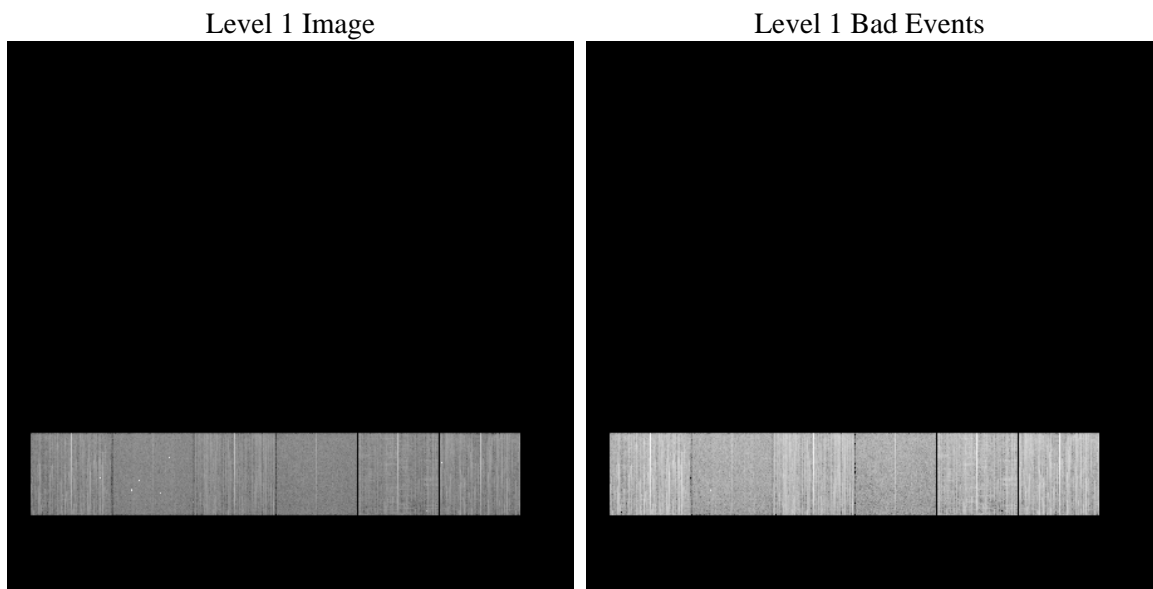
1 Front

seq_num	 	Sequence number
obs_id	54038	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	115.71875798762	Nominal RA [deg]
dec_nom	51.407268089879	Nominal Dec [deg]
roll_nom	178.26412043828	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7571.1999718547	Sum of GTIs [s]
livetime	7475.3288789818	Livetime [s]
ontime4	7571.1999718547	Sum of GTIs [s]
ontime5	7571.1999718547	Sum of GTIs [s]
ontime6	7571.1999718547	Sum of GTIs [s]
ontime7	7571.1999718547	Sum of GTIs [s]
ontime8	7571.1999718547	Sum of GTIs [s]
ontime9	7571.1999718547	Sum of GTIs [s]
l2events	235857	Number of level 2 events

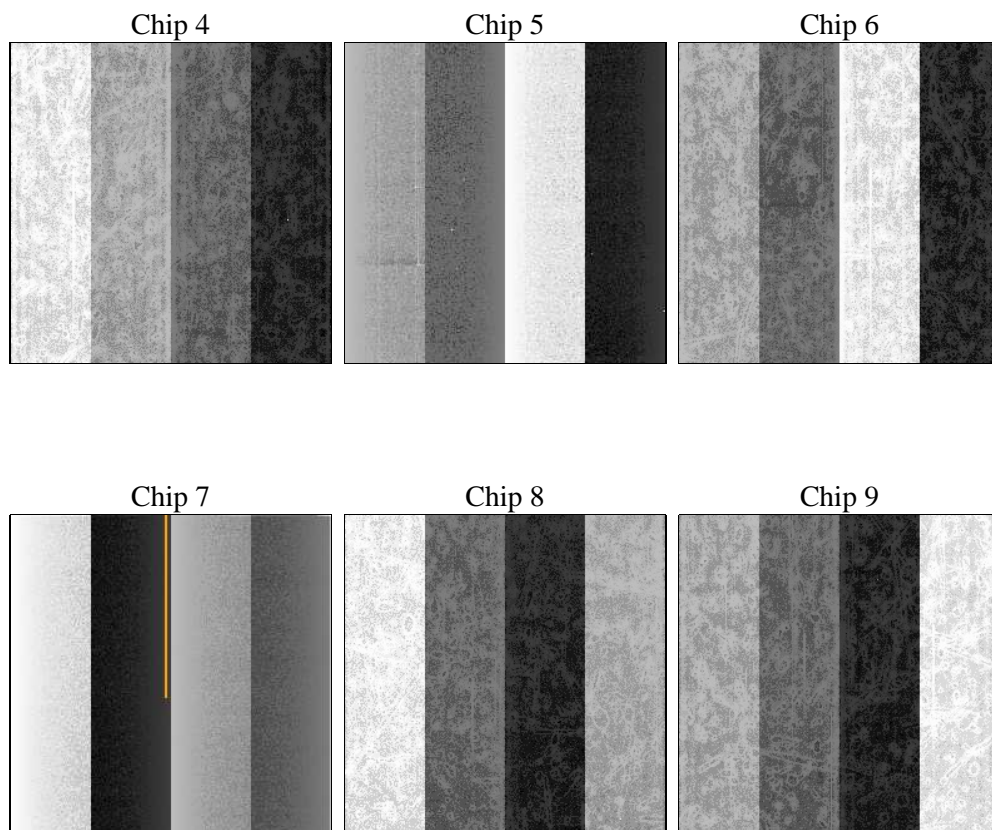
2 OBI

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	7571.1999718547	Sum of GTIs [s]
caldsver	4.5.5	 	ontime4	7571.1999718547	Sum of GTIs [s]
date	2013-01-12T18:19:20	Date and time of file creation	ontime5	7571.1999718547	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7571.1999718547	Sum of GTIs [s]
			ontime7	7571.1999718547	Sum of GTIs [s]
			ontime8	7571.1999718547	Sum of GTIs [s]
			ontime9	7571.1999718547	Sum of GTIs [s]
			l1events	923586	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	164151	138324	165126	125962	158147	171876	grade 0 events	19200	10749	16779	8522	19834	18778
rejected events	130207	73300	131562	68002	115571	137156		11%	7%	10%	6%	12%	10%
rejected %	79%	52%	79%	53%	73%	79%	grade 1 events	153	329	87	80	125	102
								0%	0%	0%	0%	0%	0%
							grade 2 events	6262	22984	7038	14450	8788	6410
								3%	16%	4%	11%	5%	3%
							grade 3 events	2251	2215	2103	4778	3281	2197
								1%	1%	1%	3%	2%	1%
							grade 4 events	2289	2082	2208	4754	3123	2253
								1%	1%	1%	3%	1%	1%
							grade 5 events	3213	5951	3055	7588	4096	3416
								1%	4%	1%	6%	2%	1%
							grade 6 events	4324	27718	5793	26095	7999	5489
								2%	20%	3%	20%	5%	3%
							grade 7 events	126459	66296	128063	59695	110901	133231
								77%	47%	77%	47%	70%	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	115.7187579876206
[deg] Pointing Dec	0	51.40726808987853
[deg] Pointing Roll	0.0	178.2641204382836
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)	474302655.228198	474302655.228198
Observation start date	2013-01-11T14:44:15	2013-01-11T14:44:15
[s] Observation end time (MET)	474312087.466388	474312087.466388
Observation end date	2013-01-11T17:21:27	2013-01-11T17:21:27
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)	2013.01.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5711999718547

A.2 Comments