

V&V Reference Report

L2 ASCDS Version : 10

Observation 53462 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 22 2013

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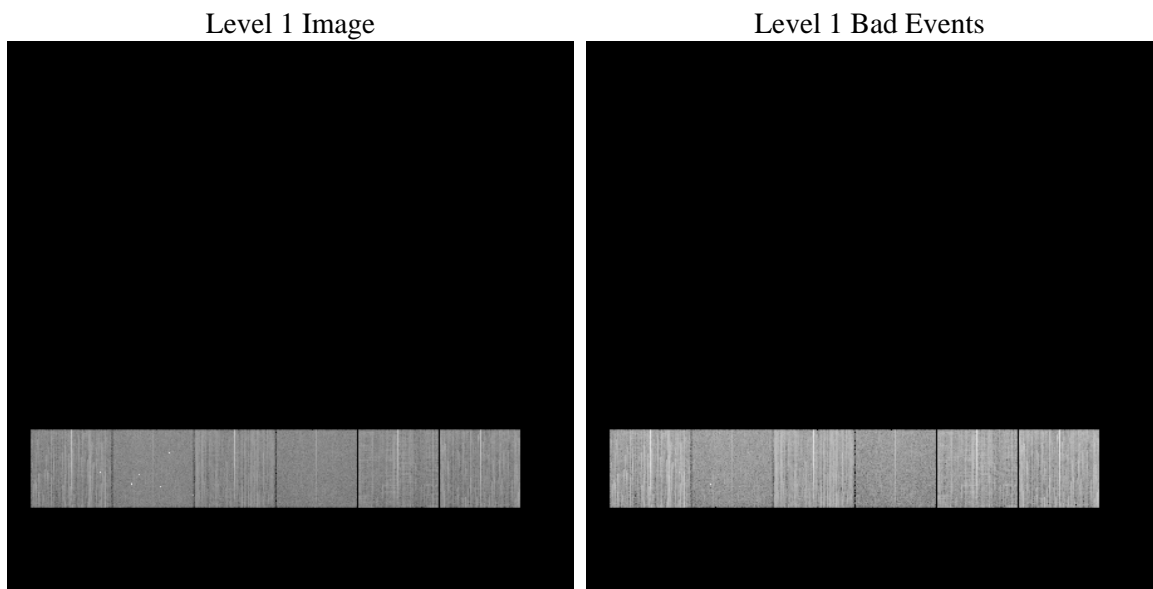
1 Front

seq_num	 	Sequence number
obs_id	53462	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	348.45125517803	Nominal RA [deg]
dec_nom	4.609141126667	Nominal Dec [deg]
roll_nom	158.51278521916	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8124.6273959875	Sum of GTIs [s]
livetime	8021.7484718362	Livetime [s]
ontime4	8124.5042759776	Sum of GTIs [s]
ontime5	8124.5863559842	Sum of GTIs [s]
ontime6	8124.5453159809	Sum of GTIs [s]
ontime7	8124.6273959875	Sum of GTIs [s]
ontime8	8124.4632359743	Sum of GTIs [s]
ontime9	8124.6684359908	Sum of GTIs [s]
l2events	238473	Number of level 2 events

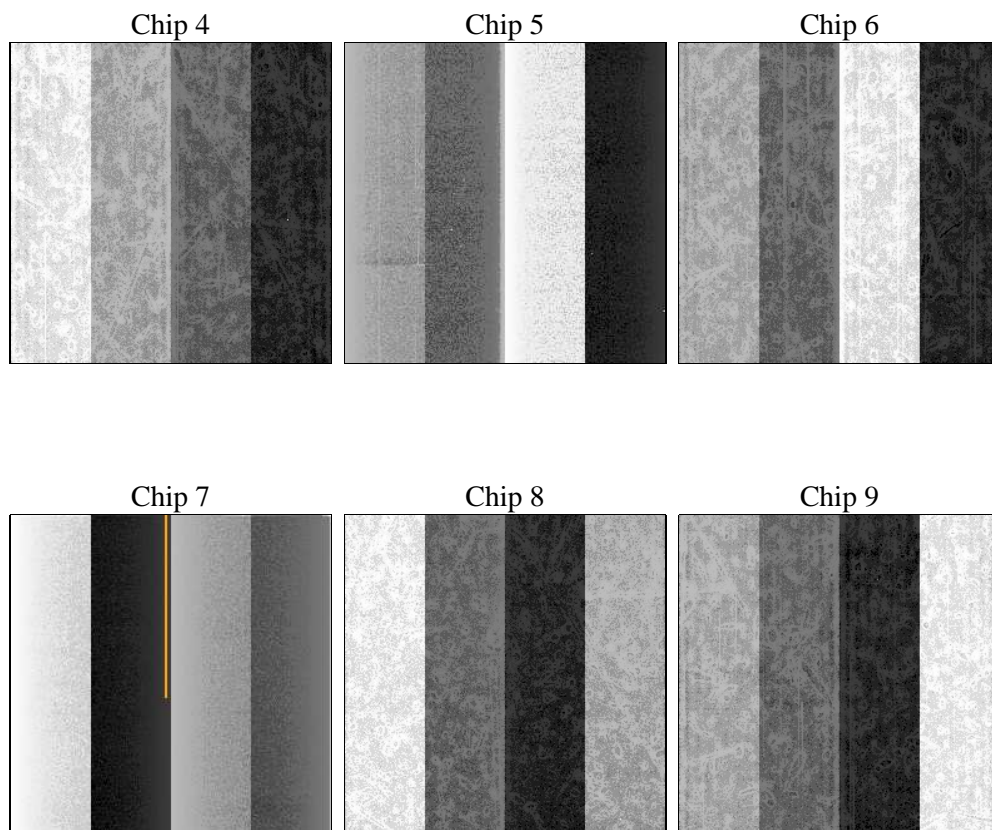
2 OBI

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	8124.6273959875	Sum of GTIs [s]
caldsver	4.5.7	 	ontime4	8124.5042759776	Sum of GTIs [s]
date	2013-08-22T14:02:42	Date and time of file creation	ontime5	8124.5863559842	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8124.5453159809	Sum of GTIs [s]
			ontime7	8124.6273959875	Sum of GTIs [s]
			ontime8	8124.4632359743	Sum of GTIs [s]
			ontime9	8124.6684359908	Sum of GTIs [s]
			l1events	903136	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	160145	138155	161573	124727	156089	162447	grade 0 events	20318	10319	17430	9018	20188	17461
rejected events	124927	73553	127326	67192	112921	128885		12%	7%	10%	7%	12%	10%
rejected %	78%	53%	78%	53%	72%	79%	grade 1 events	153	180	80	97	122	104
								0%	0%	0%	0%	0%	0%
							grade 2 events	6614	24022	7121	14399	9189	6754
								4%	17%	4%	11%	5%	4%
							grade 3 events	2430	2377	2246	4784	3343	2291
								1%	1%	1%	3%	2%	1%
							grade 4 events	2390	2272	2339	4932	3344	2258
								1%	1%	1%	3%	2%	1%
							grade 5 events	3139	6278	3220	7429	4139	3496
								1%	4%	1%	5%	2%	2%
							grade 6 events	4852	27488	6520	26108	8737	6153
								3%	19%	4%	20%	5%	3%
							grade 7 events	120249	65219	122617	57960	107027	123930
								75%	47%	75%	46%	68%	76%

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	348.4512551780311
[deg] Pointing Dec	0	4.609141126667028
[deg] Pointing Roll	0.0	158.512785219155
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)	493498200.268753	493498200.268753
Observation start date	2013-08-21T18:50:00	2013-08-21T18:50:00
[s] Observation end time (MET)	493508262.096192	493508262.096192
Observation end date	2013-08-21T21:37:42	2013-08-21T21:37:42
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)	2013.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1246273959875

A.2 Comments