

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57571 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : May 22 2012

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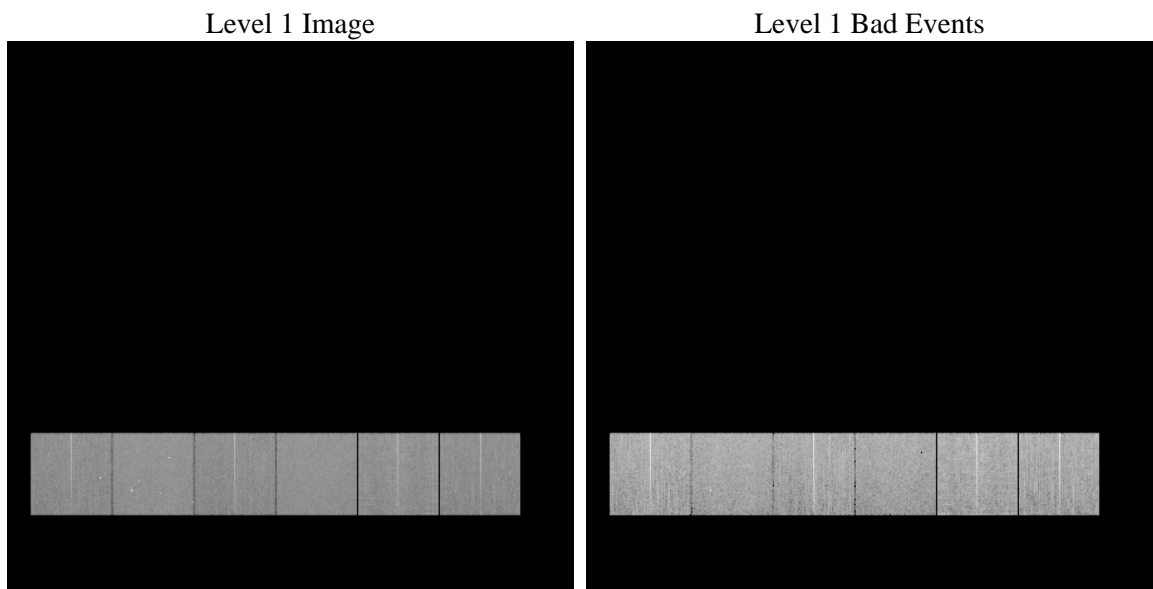
1 Front

seq_num	 	Sequence number
obs_id	57571	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	1.9812859297303	Nominal RA [deg]
dec_nom	27.476555486323	Nominal Dec [deg]
roll_nom	201.83473414285	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8163.1969795227	Sum of GTIs [s]
livetime	8059.8296640809	Livetime [s]
ontime4	8163.0738595128	Sum of GTIs [s]
ontime5	8163.1559395194	Sum of GTIs [s]
ontime6	8163.1148995161	Sum of GTIs [s]
ontime7	8163.1969795227	Sum of GTIs [s]
ontime8	8163.0328195095	Sum of GTIs [s]
ontime9	8163.1999696493	Sum of GTIs [s]
l2events	576548	Number of level 2 events

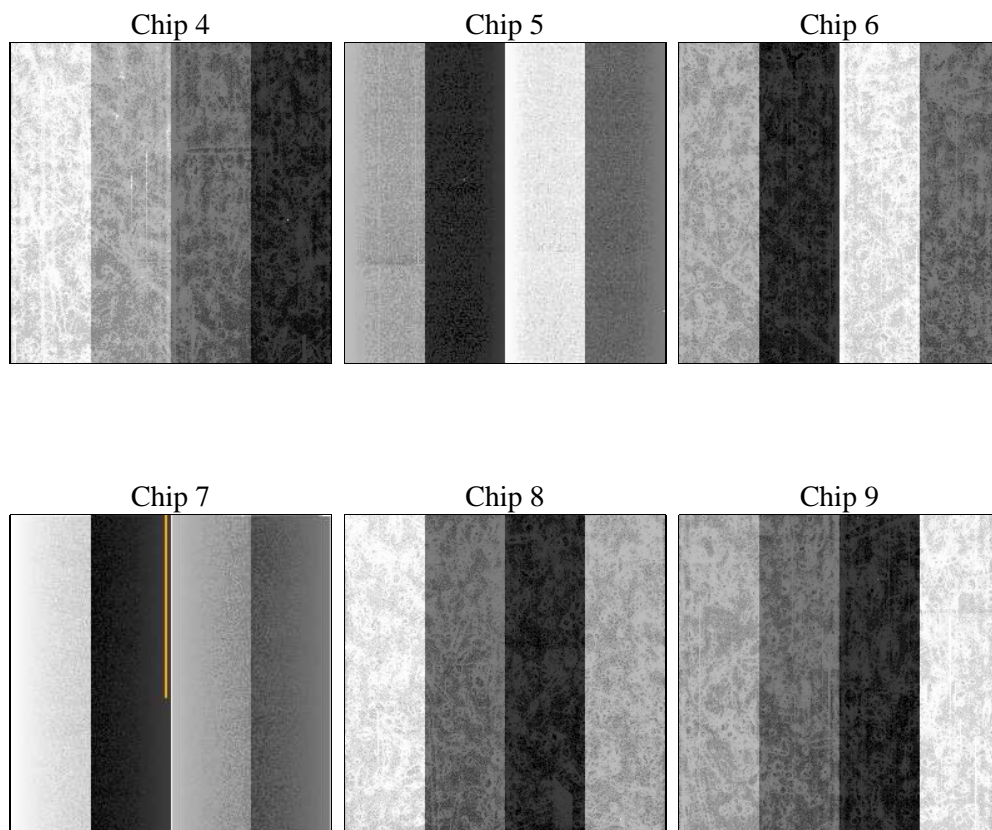
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20820	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8163.1969795227	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8163.0738595128	Sum of GTIs [s]
date	2012-05-22T11:39:50	Date and time of file creation	ontime5	8163.1559395194	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	8163.1148995161	Sum of GTIs [s]
			ontime7	8163.1969795227	Sum of GTIs [s]
			ontime8	8163.0328195095	Sum of GTIs [s]
			ontime9	8163.1999696493	Sum of GTIs [s]
			l1events	1096023	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	170858	198741	170457	193343	192126	170498	grade 0 events	52304	20141	49915	24757	54100	49007
rejected events	81496	73496	77496	68564	85313	80056		30%	10%	29%	12%	28%	28%
rejected %	47%	36%	45%	35%	44%	46%	grade 1 events	512	287	328	147	344	364
								0%	0%	0%	0%	0%	0%
							grade 2 events	14418	46350	16553	27405	19983	15972
								8%	23%	9%	14%	10%	9%
							grade 3 events	6158	5903	6185	11944	7816	6176
								3%	2%	3%	6%	4%	3%
							grade 4 events	6074	5768	5980	11628	7877	6040
								3%	2%	3%	6%	4%	3%
							grade 5 events	4086	9891	4456	10764	5496	4782
								2%	4%	2%	5%	2%	2%
							grade 6 events	11608	48753	15586	50758	18478	14416
								6%	24%	9%	26%	9%	8%
							grade 7 events	75698	61648	71454	55940	78032	73741
								44%	31%	41%	28%	40%	43%

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	1.981285929730376	1.981285929730257
[deg] Pointing Dec	27.47655548632253	27.47655548632253
[deg] Pointing Roll	201.8347341428788	201.8347341428541
[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)	339529514.246284	339529514.246284
Observation start date	2008-10-04T17:52:00	2008-10-04T17:45:14
[s] Observation end time (MET)	339550612.545523	339550612.545523
Observation end date	2008-10-04T23:39:00	2008-10-04T23:36:52
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)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1631969795227

A.2 Comments