

V&V Reference Report

L2 ASCDS Version : 8.3.2.1

Observation 62367 - L2 Version 3

Chandra X-Ray Center

L2 Processing Date : Sep 28 2010

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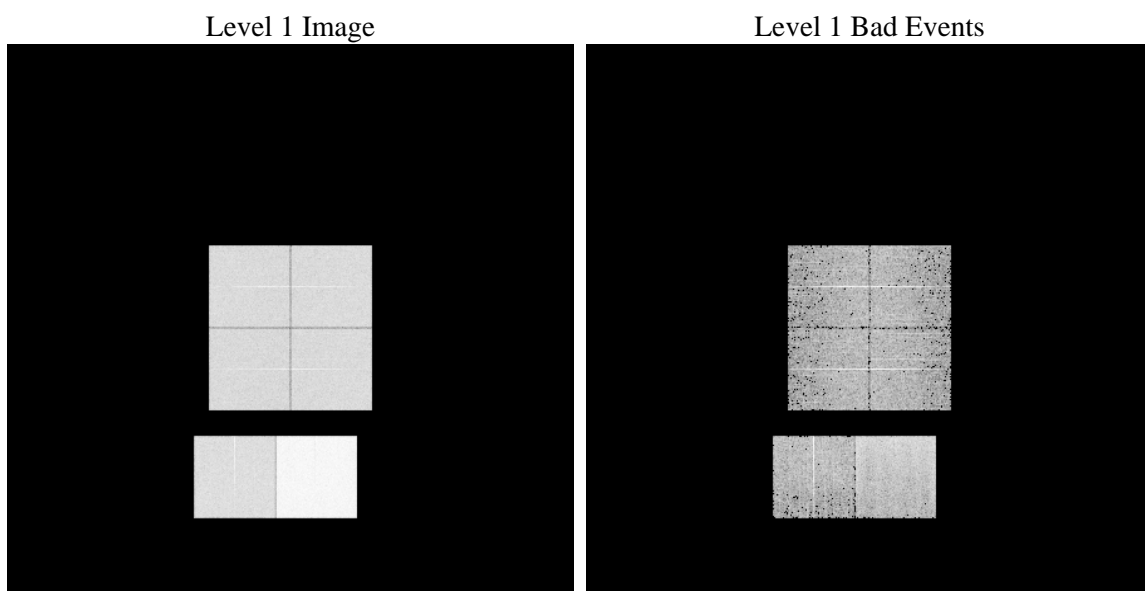
1 Front

seq_num	 	Sequence number
obs_id	62367	Observation id
title	ACIS-012367 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
dec_targ	0.0	Observer's specified target Dec
ra_nom	112.15028148325	Nominal RA
dec_nom	80.027611975283	Nominal Dec
roll_nom	76.409873939206	Nominal Roll
revision	3	Processing version of data
ontime	4265.7827391922	Sum of GTIs [s]
livetime	4211.7668296026	Livetime [s]
ontime0	1622.5195054188	Sum of GTIs [s]
ontime1	1638.7657953128	Sum of GTIs [s]
ontime2	1549.8129892051	Sum of GTIs [s]
ontime3	1595.1874994263	Sum of GTIs [s]
ontime6	1781.4946257249	Sum of GTIs [s]
ontime7	4265.7827391922	Sum of GTIs [s]
l2events	1152246	Number of level 2 events

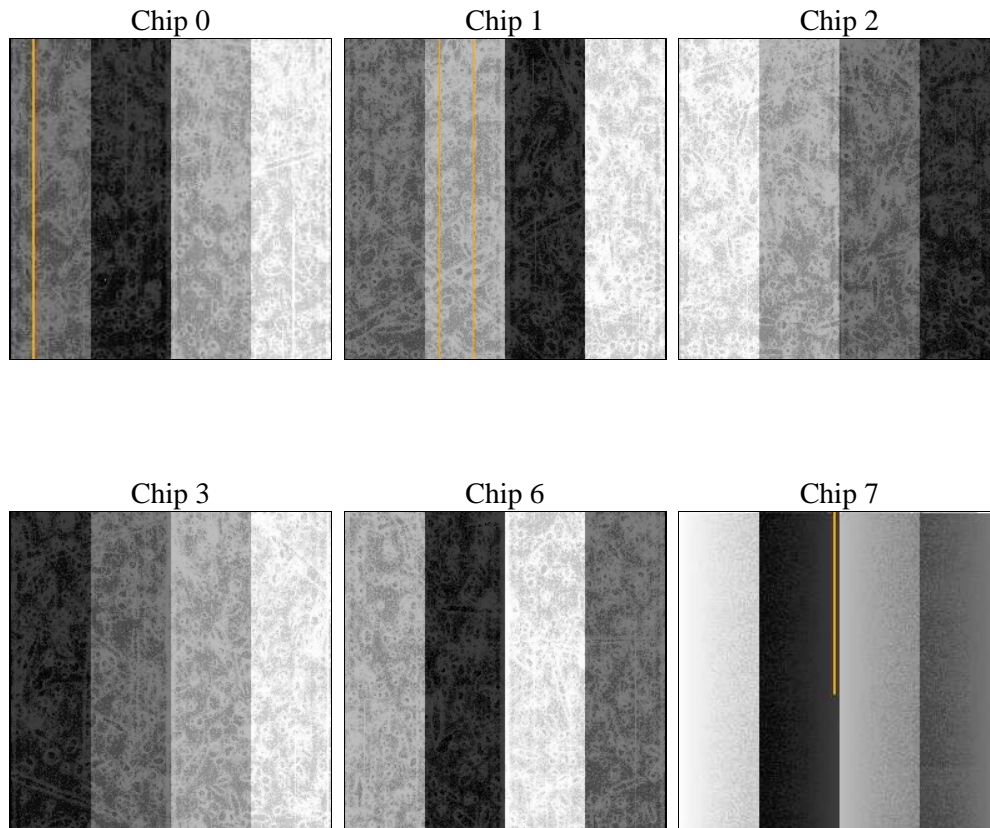
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.4 Events

obi_num	0	Obi number	<table><tr><td>sched_exp_time</td><td>0.0</td><td>Scheduled observation exposure time</td></tr><tr><td>ontime</td><td>4265.7827391922</td><td>Sum of GTIs [s]</td></tr><tr><td>ontime0</td><td>1622.5195054188</td><td>Sum of GTIs [s]</td></tr><tr><td>ontime1</td><td>1638.7657953128</td><td>Sum of GTIs [s]</td></tr><tr><td>ontime2</td><td>1549.8129892051</td><td>Sum of GTIs [s]</td></tr><tr><td>ontime3</td><td>1595.1874994263</td><td>Sum of GTIs [s]</td></tr><tr><td>ontime6</td><td>1781.4946257249</td><td>Sum of GTIs [s]</td></tr><tr><td>ontime7</td><td>4265.7827391922</td><td>Sum of GTIs [s]</td></tr><tr><td>l1events</td><td>1336043</td><td>Number of level 1 events</td></tr></table>	sched_exp_time	0.0	Scheduled observation exposure time	ontime	4265.7827391922	Sum of GTIs [s]	ontime0	1622.5195054188	Sum of GTIs [s]	ontime1	1638.7657953128	Sum of GTIs [s]	ontime2	1549.8129892051	Sum of GTIs [s]	ontime3	1595.1874994263	Sum of GTIs [s]	ontime6	1781.4946257249	Sum of GTIs [s]	ontime7	4265.7827391922	Sum of GTIs [s]	l1events	1336043	Number of level 1 events
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ontime7	4265.7827391922	Sum of GTIs [s]																												
l1events	1336043	Number of level 1 events																												
ascdsver	8.3.2.1	ASCDS version number																												
caldsver	4.3.1	 																												
date	2010-09-28T21:26:45	Date and time of file creation																												
revision	3	Processing version of data																												

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	170332	172989	163841	170433	194303	464145
rejected events	23725	24488	24317	25072	28883	45133
rejected %	13%	14%	14%	14%	14%	9%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	55186	55290	45117	48236	46397	76510
	32%	31%	27%	28%	23%	16%
grade 1 events	263	228	182	212	197	187
	0%	0%	0%	0%	0%	0%
grade 2 events	53649	55024	59857	61324	76715	117418
	31%	31%	36%	35%	39%	25%
grade 3 events	6073	6052	4691	5112	4837	36100
	3%	3%	2%	2%	2%	7%
grade 4 events	5870	5960	4691	5087	4842	32477
	3%	3%	2%	2%	2%	6%
grade 5 events	1485	1513	1423	1516	1599	6671
	0%	0%	0%	0%	0%	1%
grade 6 events	25829	26175	25168	25602	32629	156507
	15%	15%	15%	15%	16%	33%
grade 7 events	21977	22747	22712	23344	27087	38275
	12%	13%	13%	13%	13%	8%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	112.1502814832493	Alternating exposures requested	N	N
Pointing Dec	0	80.02761197528339	Primary exposure time	3.2	3.2
Pointing Roll	0.0	76.40987393920557			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	55333125.399305	55333124.630822			
Observation start date	1999-10-03T10:18:45	1999-10-03T10:18:44			
Observation end time	55342901.849658	55342901.081174			
Observation end date	1999-10-03T13:01:42	1999-10-03T13:01:41			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.09.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.2657827391922

A.2 Comments

The focal plane temperature is approximately -110 C during this observation.