

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57299 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 31 2012

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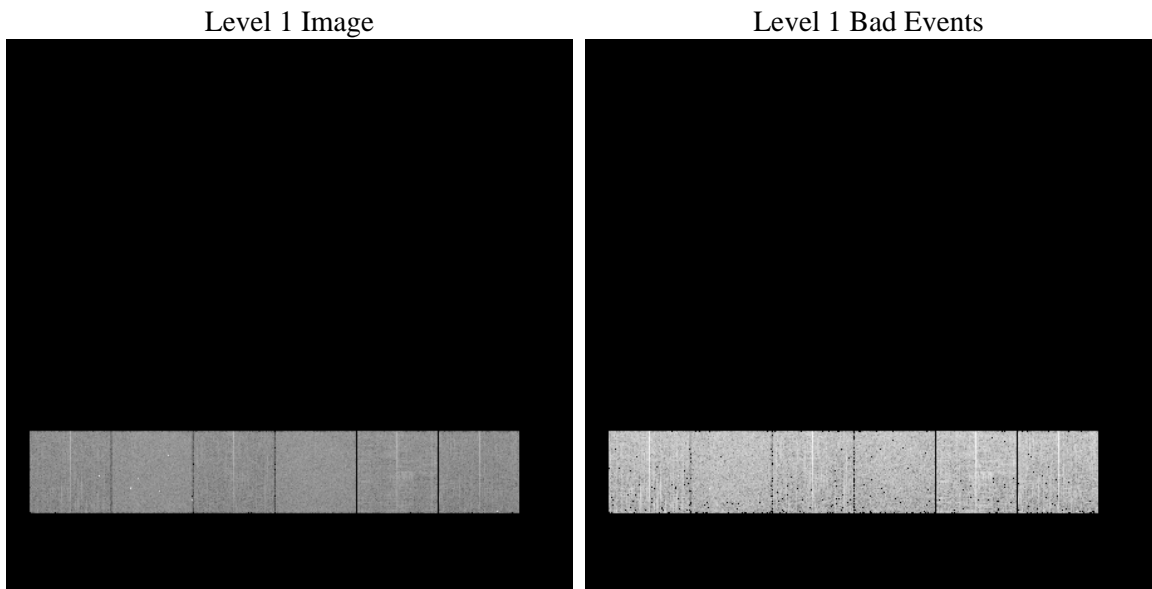
1 Front

seq_num	 	Sequence number
obs_id	57299	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	163.50062122282	Nominal RA [deg]
dec_nom	7.0264098802304	Nominal Dec [deg]
roll_nom	67.492424438671	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3270.3999878764	Sum of GTIs [s]
livetime	3228.9882140315	Livetime [s]
ontime4	3270.3461660743	Sum of GTIs [s]
ontime5	3270.3999878764	Sum of GTIs [s]
ontime6	3270.3872060776	Sum of GTIs [s]
ontime7	3270.3999878764	Sum of GTIs [s]
ontime8	3270.305126071	Sum of GTIs [s]
ontime9	3270.3999878764	Sum of GTIs [s]
l2events	219414	Number of level 2 events

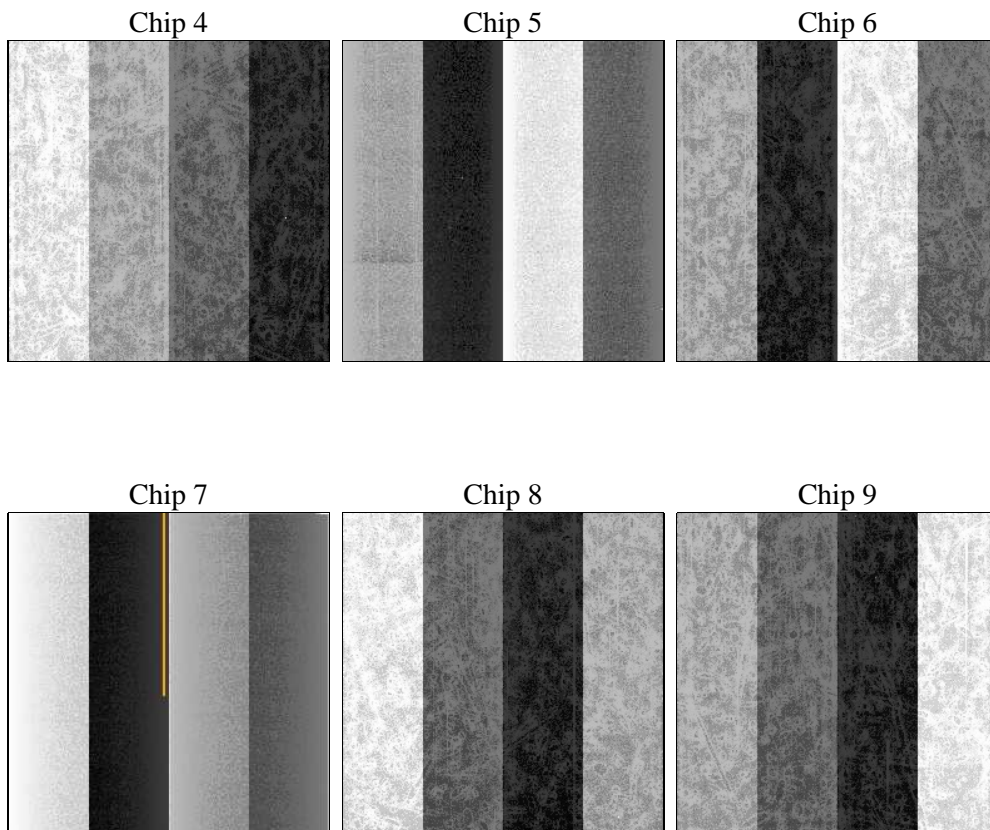
2 OBI

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	8.4.4	Processing system revision	ontime	3270.3999878764	Sum of GTIs [s]
caldbver	4.4.9	 	ontime4	3270.3461660743	Sum of GTIs [s]
date	2012-05-31T03:20:20	Date and time of file creation	ontime5	3270.3999878764	Sum of GTIs [s]
			ontime6	3270.3872060776	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	3270.3999878764	Sum of GTIs [s]
			ontime8	3270.305126071	Sum of GTIs [s]
			ontime9	3270.3999878764	Sum of GTIs [s]
			l1events	425750	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	65533	78621	65245	76656	74689	65006
rejected events	32140	29494	30679	27768	34360	31297
rejected %	49%	37%	47%	36%	46%	48%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	19406	8329	18119	9484	20075	17841
	29%	10%	27%	12%	26%	27%
grade 1 events	187	124	119	65	138	146
	0%	0%	0%	0%	0%	0%
grade 2 events	5235	16976	6230	10674	7566	6156
	7%	21%	9%	13%	10%	9%
grade 3 events	2270	2431	2228	4590	2973	2181
	3%	3%	3%	5%	3%	3%
grade 4 events	2246	2449	2142	4458	2809	2254
	3%	3%	3%	5%	3%	3%
grade 5 events	1646	4109	1759	4571	2302	1951
	2%	5%	2%	5%	3%	3%
grade 6 events	4268	18993	5895	19731	6942	5312
	6%	24%	9%	25%	9%	8%
grade 7 events	30275	25210	28753	23083	31884	29165
	46%	32%	44%	30%	42%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	163.5006212228174	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	7.026409880230387	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	67.49242443867126	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	351147301.470398	351147300.44538			
Observation start date	2009-02-16T04:55:01	2009-02-16T04:55:00			
[s] Observation end time (MET)	351168379.571444	351168378.54643			
Observation end date	2009-02-16T10:46:20	2009-02-16T10:46:18			
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)	2012.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2703999878764

A.2 Comments