

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 58650 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Apr 15 2012

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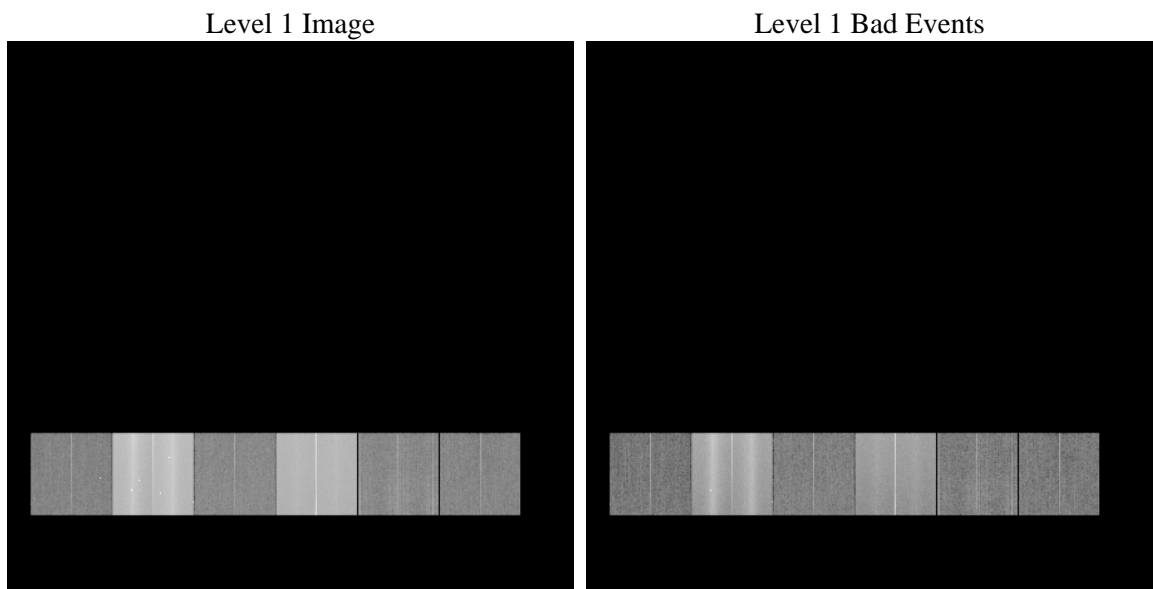
1 Front

seq_num	 	Sequence number
obs_id	58650	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	55.906536037793	Nominal RA [deg]
dec_nom	47.72468568766	Nominal Dec [deg]
roll_nom	226.5251050677	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9576.0873979926	Sum of GTIs [s]
livetime	9454.8292133317	Livetime [s]
ontime4	5716.138351202	Sum of GTIs [s]
ontime5	9773.1581712961	Sum of GTIs [s]
ontime6	5839.2567413449	Sum of GTIs [s]
ontime7	9576.0873979926	Sum of GTIs [s]
ontime8	5858.784981668	Sum of GTIs [s]
ontime9	5797.000131309	Sum of GTIs [s]
l2events	1740554	Number of level 2 events

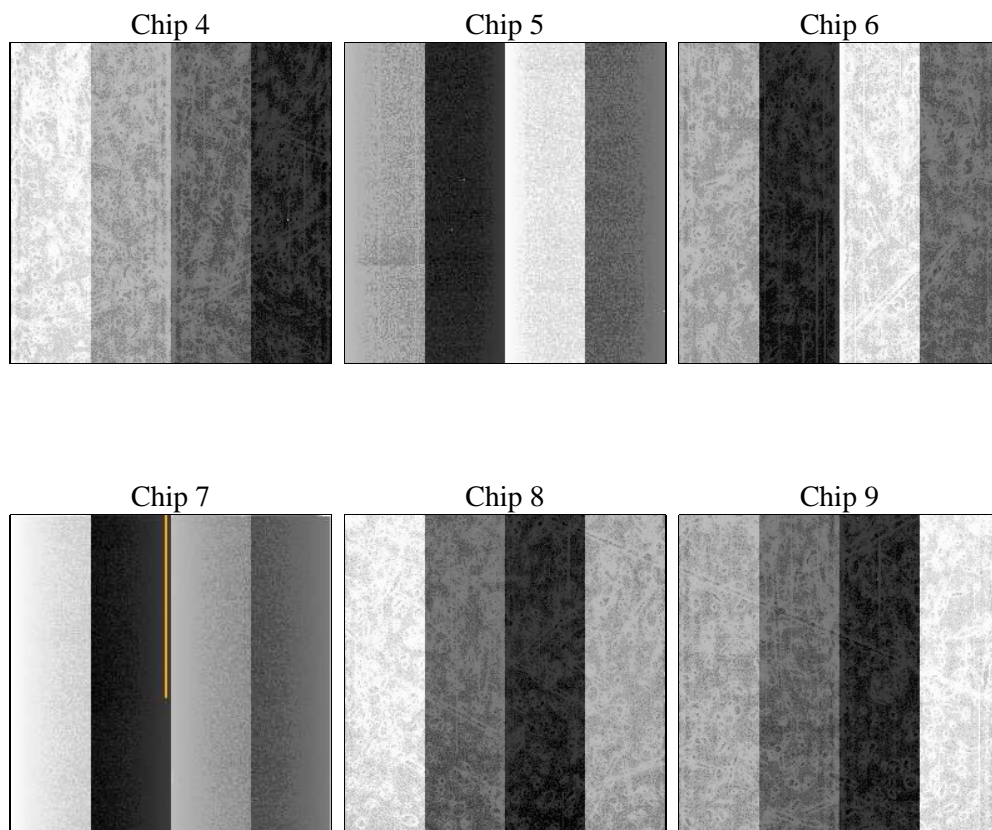
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	16560	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	9576.0873979926	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	5716.138351202	Sum of GTIs [s]
date	2012-04-15T15:31:18	Date and time of file creation	ontime5	9773.1581712961	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5839.2567413449	Sum of GTIs [s]
			ontime7	9576.0873979926	Sum of GTIs [s]
			ontime8	5858.784981668	Sum of GTIs [s]
			ontime9	5797.000131309	Sum of GTIs [s]
			l1events	3191138	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	171644	1366717	212166	1031976	224449	184186	grade 0 events	44166	100775	42867	99014	47040	42189
rejected events	95625	541757	130730	352304	130133	106409		25%	7%	20%	9%	20%	22%
rejected %	55%	39%	61%	34%	57%	57%	grade 1 events	720	15702	553	5179	898	553
								0%	1%	0%	0%	0%	0%
							grade 2 events	11583	328429	14353	181574	17242	13089
								6%	24%	6%	17%	7%	7%
							grade 3 events	5275	51874	5371	55907	7060	5189
								3%	3%	2%	5%	3%	2%
							grade 4 events	5139	51891	5180	56018	6783	5171
								2%	3%	2%	5%	3%	2%
							grade 5 events	2515	77976	2681	49213	4247	2863
								1%	5%	1%	4%	1%	1%
							grade 6 events	9882	302415	13711	296026	16365	12178
								5%	22%	6%	28%	7%	6%
							grade 7 events	92364	437655	127450	289045	124814	102954
								53%	32%	60%	28%	55%	55%

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	55.90659049235845	55.90653603779323
[deg] Pointing Dec	47.72480403017182	47.72468568766011
[deg] Pointing Roll	226.5250643044739	226.525105067703
[mm] SIM focus pos	-1.0388663562	-1.0388663562
[mm] SIM defocus	0.4944702069557434	0.4944702069557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	282359878.927587	282359878.927587
Observation start date	2006-12-13T01:38:00	2006-12-13T01:17:58
[s] Observation end time (MET)	282379397.19932	282379397.19932
Observation end date	2006-12-13T06:14:00	2006-12-13T06:43:17
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)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.5760873979926

A.2 Comments