

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 62351 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 19 2009

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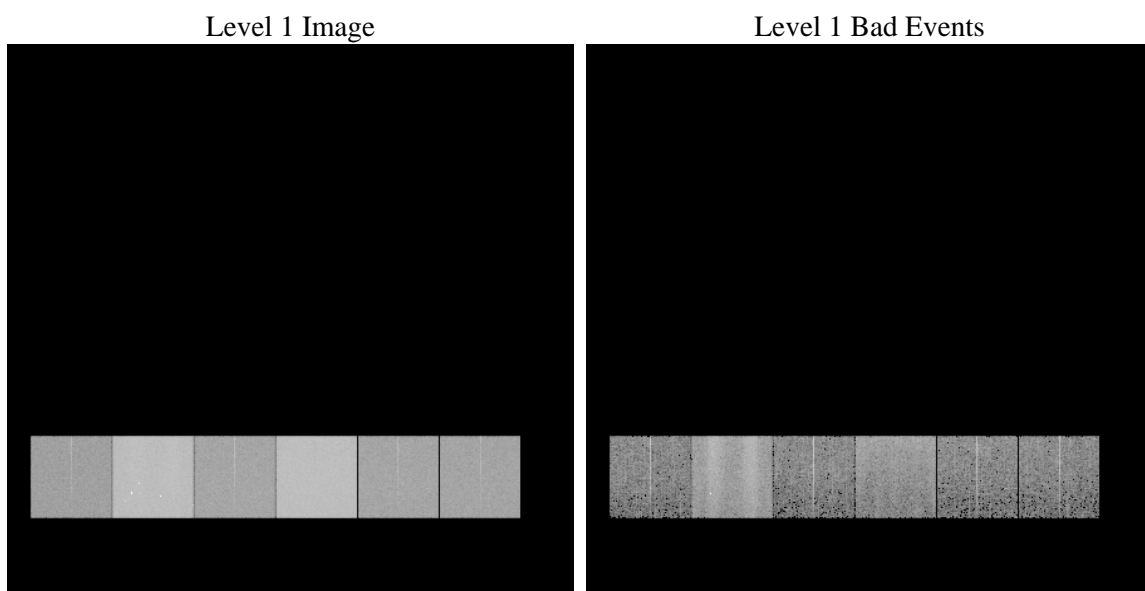
1 Front

seq_num	 	Sequence number
obs_id	62351	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
dec_targ	0.0	Observer's specified target Dec
ra_nom	104.78750421948	Nominal RA
dec_nom	-24.473302551667	Nominal Dec
roll_nom	81.379481000982	Nominal Roll
revision	3	Processing version of data
ontime	3943.9611312896	Sum of GTIs [s]
livetime	3894.0203206769	Livetime [s]
ontime4	1448.7436658144	Sum of GTIs [s]
ontime5	4225.8864724189	Sum of GTIs [s]
ontime6	1675.0349993259	Sum of GTIs [s]
ontime7	3943.9611312896	Sum of GTIs [s]
ontime8	1636.7238764539	Sum of GTIs [s]
ontime9	1639.9648566023	Sum of GTIs [s]
l2events	1292958	Number of level 2 events

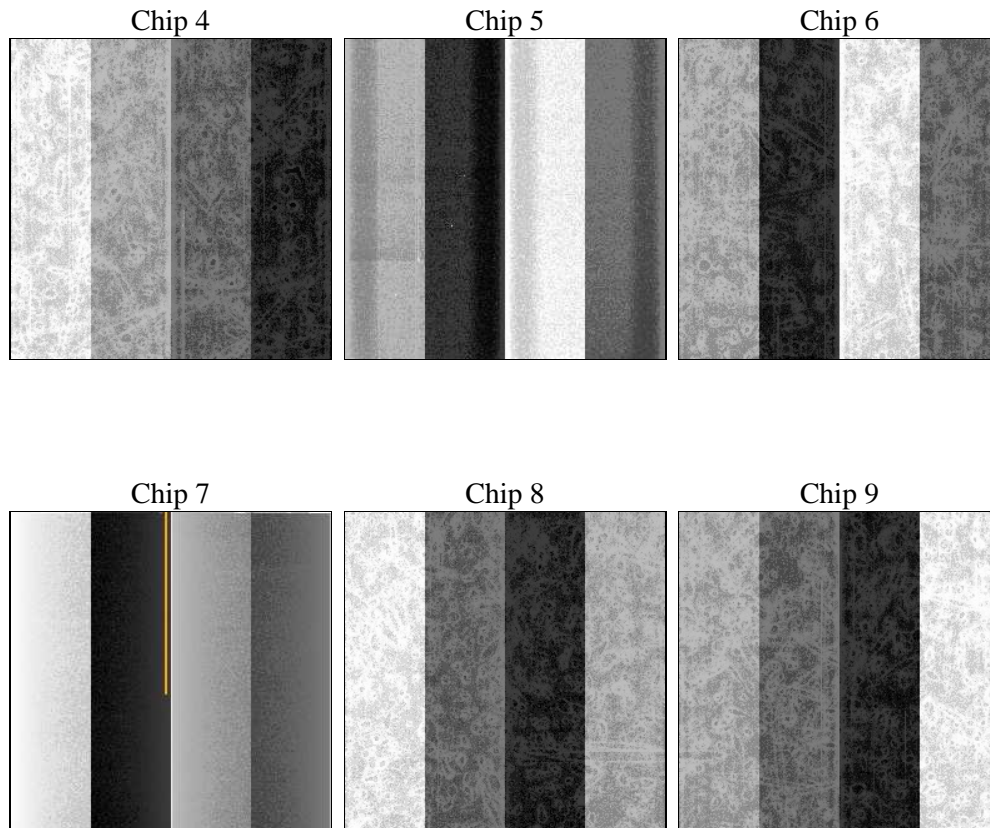
2 OBI

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	Scheduled observation exposure time
ascdsver	8.1.1	ASCDS version number	ontime	3943.9611312896	Sum of GTIs [s]
caldsver	4.1.4	 	ontime4	1448.7436658144	Sum of GTIs [s]
date	2009-11-19T23:48:30	Date and time of file creation	ontime5	4225.8864724189	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	1675.0349993259	Sum of GTIs [s]
			ontime7	3943.9611312896	Sum of GTIs [s]
			ontime8	1636.7238764539	Sum of GTIs [s]
			ontime9	1639.9648566023	Sum of GTIs [s]
			l1events	1520650	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	148168	417264	181147	423748	178946	171377	grade 0 events	29167	38193	43393	70067	54273	46237
rejected events	25101	68024	26305	40789	26047	24388		19%	9%	23%	16%	30%	26%
rejected %	16%	16%	14%	9%	14%	14%	grade 1 events	105	264	175	186	231	172
								0%	0%	0%	0%	0%	0%
							grade 2 events	65301	135204	72265	106221	60073	63838
								44%	32%	39%	25%	33%	37%
							grade 3 events	2943	18141	4399	33725	5787	4837
								1%	4%	2%	7%	3%	2%
							grade 4 events	2933	15815	4432	30154	5734	4873
								1%	3%	2%	7%	3%	2%
							grade 5 events	1218	7035	1485	5961	1587	1469
								0%	1%	0%	1%	0%	0%
							grade 6 events	22723	141887	30353	142792	27032	27204
								15%	34%	16%	33%	15%	15%
							grade 7 events	23778	60725	24645	34642	24229	22747
								16%	14%	13%	8%	13%	13%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	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	104.7875042194821	Alternating exposures requested	N	N
Pointing Dec	0	-24.47330255166705	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	81.37948100098214			
SIM focus pos (mm)	-0.684267	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	56232931.932	56232931.163224			
Observation start date	1999-10-13T20:15:32	1999-10-13T20:15:31			
Observation end time	56242730.932	56242730.163577			
Observation end date	1999-10-13T22:58:51	1999-10-13T22:58:50			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2009.11.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.9439611312896

A.2 Comments

This calibration observation was acquired with the focal plane temperature raised from -120C to -110C, for attempted recalibration of ACIS for the 1999-09-16 through 2000-01-28 period. This reprocessing

of the data applies no CTI correction because none is available for that temperature.