

V&V Reference Report

L2 ASCDS Version : 8.3.2.1

Observation 62370 - L2 Version 3

Chandra X-Ray Center

L2 Processing Date : Sep 28 2010

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

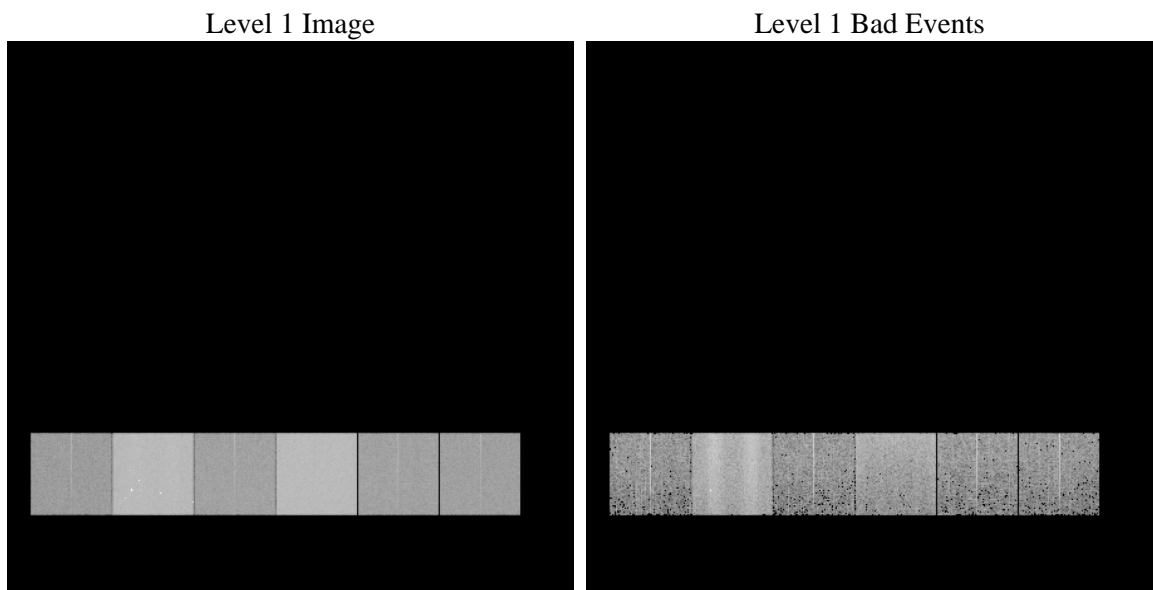
1 Front

seq_num	 	Sequence number
obs_id	62370	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	112.15115754976	Nominal RA
dec_nom	80.027669095947	Nominal Dec
roll_nom	75.834493760795	Nominal Roll
revision	3	Processing version of data
ontime	3441.354029879	Sum of GTIs [s]
livetime	3397.777533018	Livetime [s]
ontime4	1260.7633255124	Sum of GTIs [s]
ontime5	3684.3870502189	Sum of GTIs [s]
ontime6	1461.7076662555	Sum of GTIs [s]
ontime7	3441.354029879	Sum of GTIs [s]
ontime8	1422.8151861802	Sum of GTIs [s]
ontime9	1405.8227908462	Sum of GTIs [s]
l2events	1134977	Number of level 2 events

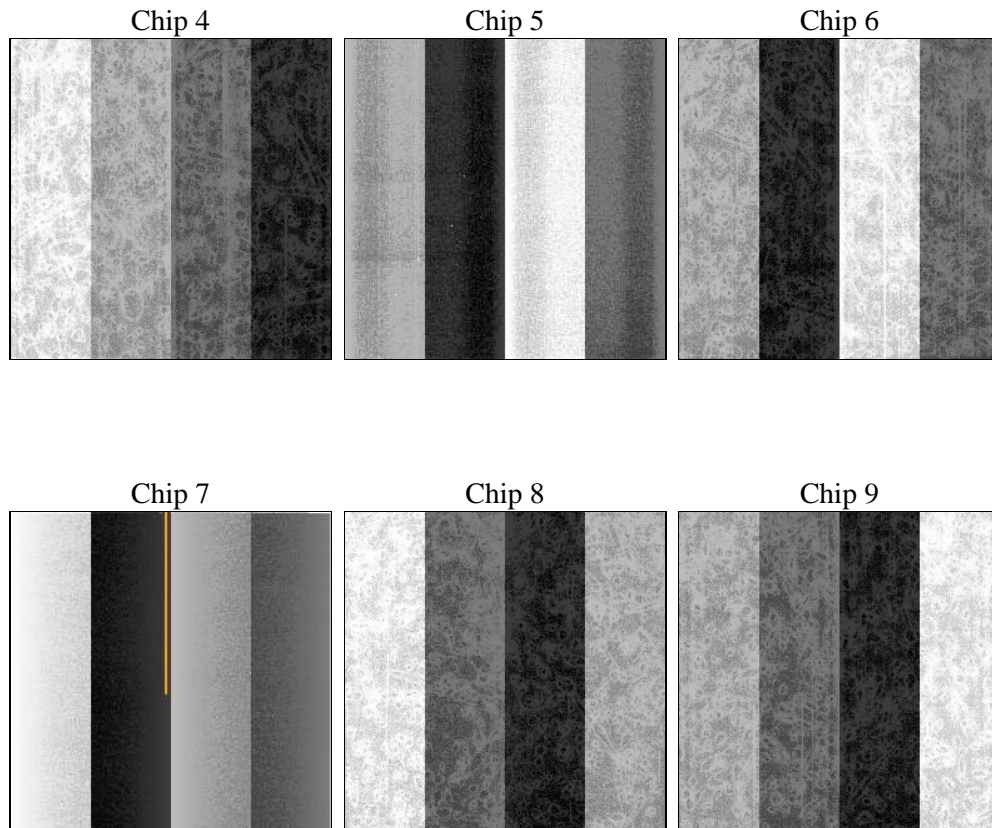
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.3.2.1	ASCDS version number
caldsver	4.3.1	
date	2010-09-28T21:16:46	Date and time of file creation
revision	3	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	3441.354029879	Sum of GTIs [s]
ontime4	1260.7633255124	Sum of GTIs [s]
ontime5	3684.3870502189	Sum of GTIs [s]
ontime6	1461.7076662555	Sum of GTIs [s]
ontime7	3441.354029879	Sum of GTIs [s]
ontime8	1422.8151861802	Sum of GTIs [s]
ontime9	1405.8227908462	Sum of GTIs [s]
l1events	1339446	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	129942	370621	159069	374716	157266	147832
rejected events	22621	59832	23240	36897	23727	21576
rejected %	17%	16%	14%	9%	15%	14%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	26055	35580	38844	61196	46539	38476
	20%	9%	24%	16%	29%	26%
grade 1 events	132	295	161	160	189	184
	0%	0%	0%	0%	0%	0%
grade 2 events	56447	120506	62481	95013	53308	55687
	43%	32%	39%	25%	33%	37%
grade 3 events	2629	16458	4029	29066	4882	4045
	2%	4%	2%	7%	3%	2%
grade 4 events	2612	14200	3960	26174	4842	4083
	2%	3%	2%	6%	3%	2%
grade 5 events	1065	6213	1364	5407	1379	1272
	0%	1%	0%	1%	0%	0%
grade 6 events	19578	124045	26515	126370	23968	23965
	15%	33%	16%	33%	15%	16%
grade 7 events	21424	53324	21715	31330	22159	20120
	16%	14%	13%	8%	14%	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	112.1511575497551	Alternating exposures requested	N	N
Pointing Dec	0	80.02766909594675	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	75.83449376079541			
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	55272886.147	55272885.378663			
Observation start date	1999-10-02T17:34:46	1999-10-02T17:34:45			
Observation end time	55290536.647	55290535.879298			
Observation end date	1999-10-02T22:28:57	1999-10-02T22:28:55			
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)	2010.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.441354029879

A.2 Comments

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