

V&V Reference Report

L2 ASCDS Version : 7.6.11.4

Observation 61019 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jan 31 2008

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

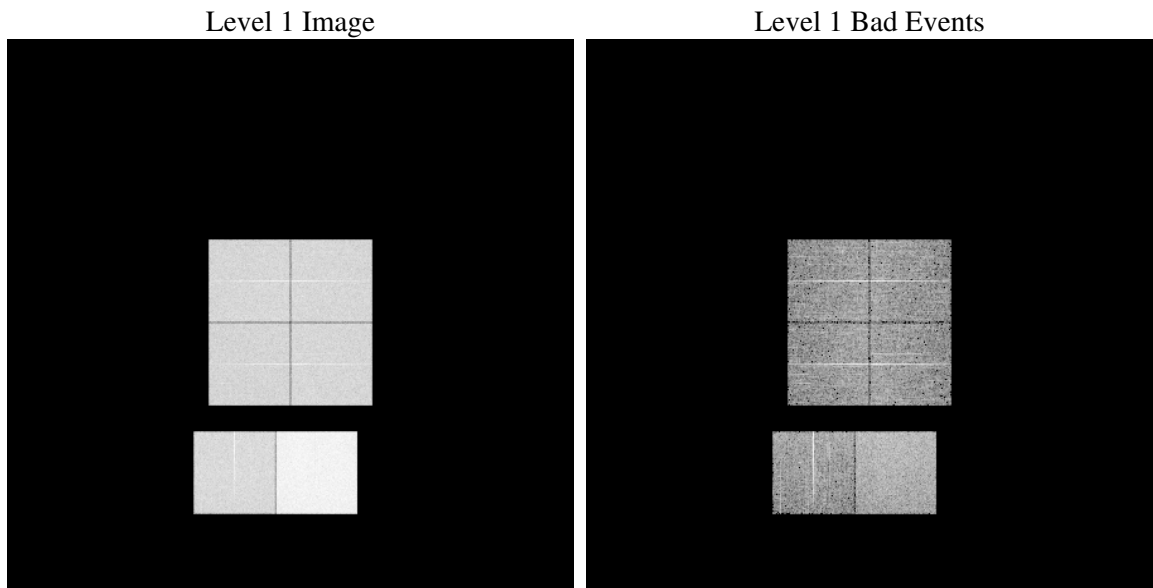
1 Front

seq_num	
obs_id	61019
title	ACIS-012367 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	106.78531428577
dec_nom	40.826377848072
roll_nom	80.003906541943
revision	2
ontime	8348.7999688983
livetime	8243.0824366483
ontime0	4092.2185943425
ontime1	4101.9825948179
ontime2	3829.7800423503
ontime3	3994.907745868
ontime6	4234.9458293021
ontime7	8348.7999688983
l2events	1288758

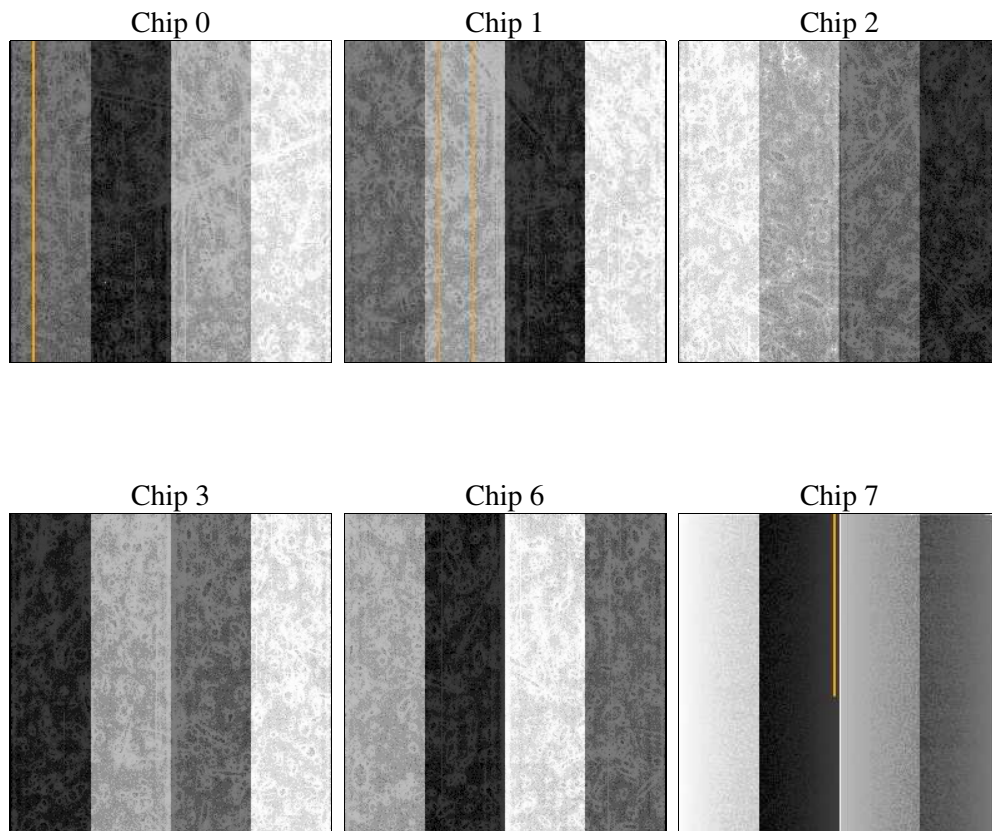
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11.4
caldbver	3.4.2
date	2008-02-01T00:18:39
revision	2

sched_exp_time	0.0
ontime	8348.7999688983
ontime0	4092.2185943425
ontime1	4101.9825948179
ontime2	3829.7800423503
ontime3	3994.907745868
ontime6	4234.9458293021
ontime7	8348.7999688983
l1events	1552176

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	217954	218401	208222	217933	237165	452501
rejected events	29999	30346	30582	31184	33867	50651
rejected %	13%	13%	14%	14%	14%	11%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	105357	104530	101714	107302	112292	101204
	48%	47%	48%	49%	47%	22%
grade 1 events	563	520	587	635	537	259
	0%	0%	0%	0%	0%	0%
grade 2 events	33289	33909	29988	31427	35473	89332
	15%	15%	14%	14%	14%	19%
grade 3 events	11987	11875	11675	12131	12663	41152
	5%	5%	5%	5%	5%	9%
grade 4 events	12216	11925	11765	12060	12522	40472
	5%	5%	5%	5%	5%	8%
grade 5 events	1943	1890	1820	2038	2270	8863
	0%	0%	0%	0%	0%	1%
grade 6 events	27471	27872	24986	26071	33195	135104
	12%	12%	11%	11%	13%	29%
grade 7 events	25128	25880	25687	26269	28213	36115
	11%	11%	12%	12%	11%	7%

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	106.785314285774	Alternating exposures requested	N	N
Pointing Dec	0	40.82637784807177	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	80.00390654194265			
SIM focus pos (mm)	-0.782348	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	149439236.245557	149439235.22084			
Observation start date	2002-09-26T14:53:56	2002-09-26T14:53:55			
Observation end time	149461796.496492	149461795.47177			
Observation end date	2002-09-26T21:09:56	2002-09-26T21:09:55			
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)	2008.02.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.34879996

A.2 Comments

Original processing of this obsid used a bias file with missing telemetry, resulting a region of bad pixel values. This processing uses new dump data files with telemetry gaps filled with realtime data. The full bias files are recovered in this processing.