

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 58732 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 12 2012

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

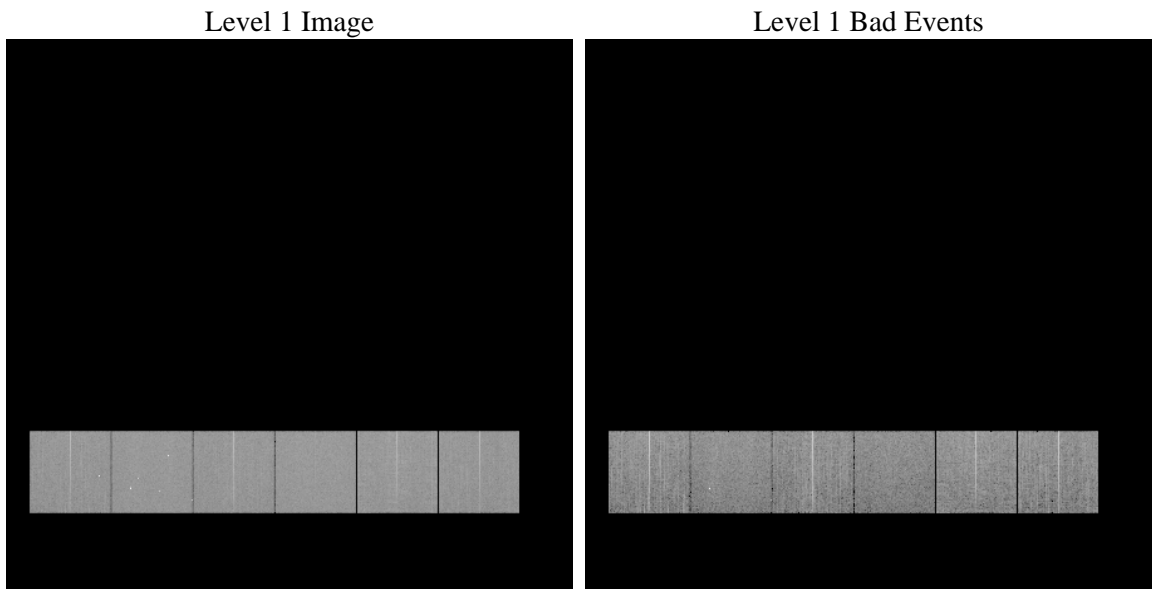
1 Front

seq_num	 	Sequence number
obs_id	58732	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	50.183042393812	Nominal RA [deg]
dec_nom	-5.726014194557	Nominal Dec [deg]
roll_nom	56.239461912239	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7794.6160479188	Sum of GTIs [s]
livetime	7695.9159261657	Livetime [s]
ontime4	7794.5229339004	Sum of GTIs [s]
ontime5	7794.605013907	Sum of GTIs [s]
ontime6	7794.5639739037	Sum of GTIs [s]
ontime7	7794.6160479188	Sum of GTIs [s]
ontime8	7791.2409235835	Sum of GTIs [s]
ontime9	7794.6160280108	Sum of GTIs [s]
l2events	831624	Number of level 2 events

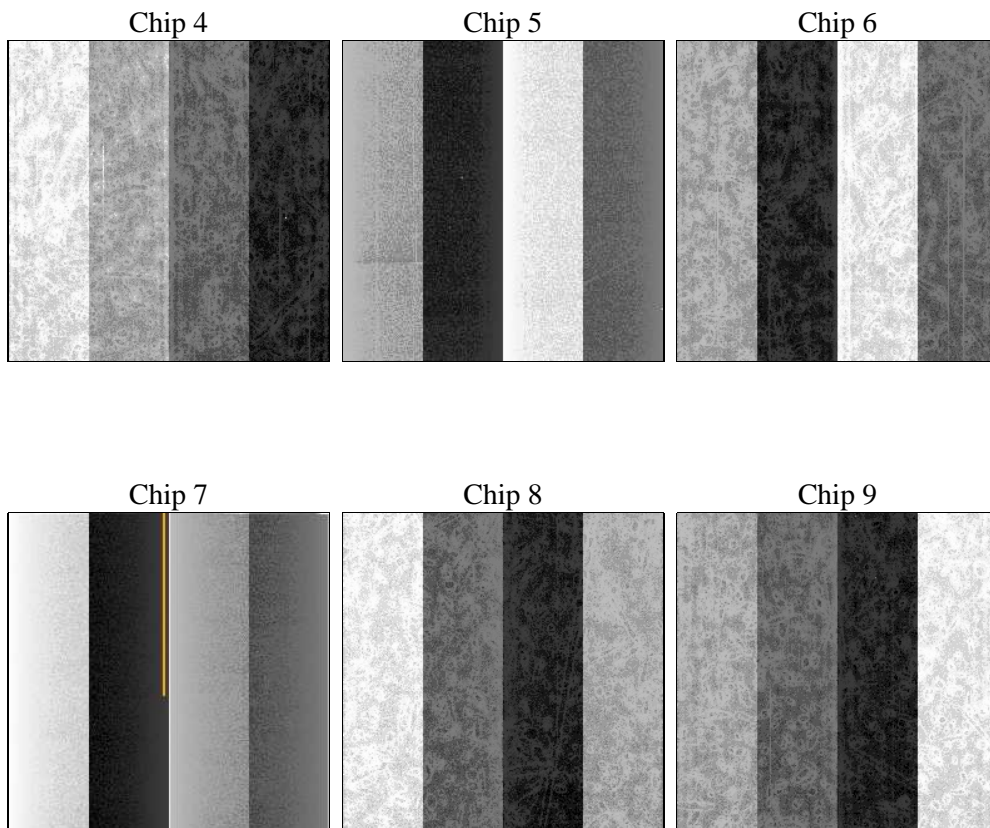
2 OBI

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	8.4.3.1	Processing system revision	ontime	7794.6160479188	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	7794.5229339004	Sum of GTIs [s]
date	2012-04-12T07:56:39	Date and time of file creation	ontime5	7794.605013907	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7794.5639739037	Sum of GTIs [s]
			ontime7	7794.6160479188	Sum of GTIs [s]
			ontime8	7791.2409235835	Sum of GTIs [s]
			ontime9	7794.6160280108	Sum of GTIs [s]
			l1events	1304770	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	208205	221127	213255	224592	228907	208684	grade 0 events	78337	29589	76559	36893	80559	74852
rejected events	72749	63838	70001	57308	75309	70577		37%	13%	35%	16%	35%	35%
rejected %	34%	28%	32%	25%	32%	33%	grade 1 events	722	247	400	162	486	544
								0%	0%	0%	0%	0%	0%
							grade 2 events	21368	57175	25136	36379	27394	23848
								10%	25%	11%	16%	11%	11%
							grade 3 events	9115	8324	9030	16230	10480	9042
								4%	3%	4%	7%	4%	4%
							grade 4 events	9154	8075	8999	16020	10260	8976
								4%	3%	4%	7%	4%	4%
							grade 5 events	3963	9323	4046	9879	5109	4488
								1%	4%	1%	4%	2%	2%
							grade 6 events	17482	54126	23530	61762	24905	21389
								8%	24%	11%	27%	10%	10%
							grade 7 events	68064	54268	65555	47267	69714	65545
								32%	24%	30%	21%	30%	31%

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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	50.18304239381189	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-5.726014194557035	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	56.23946191223949			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	277801246.562286	277801245.53729			
Observation start date	2006-10-21T07:00:47	2006-10-21T07:00:45			
[s] Observation end time (MET)	277842334.714224	277842333.68923			
Observation end date	2006-10-21T18:25:35	2006-10-21T18:25:33			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7946160479188

A.2 Comments