

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 59037 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Mar 29 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

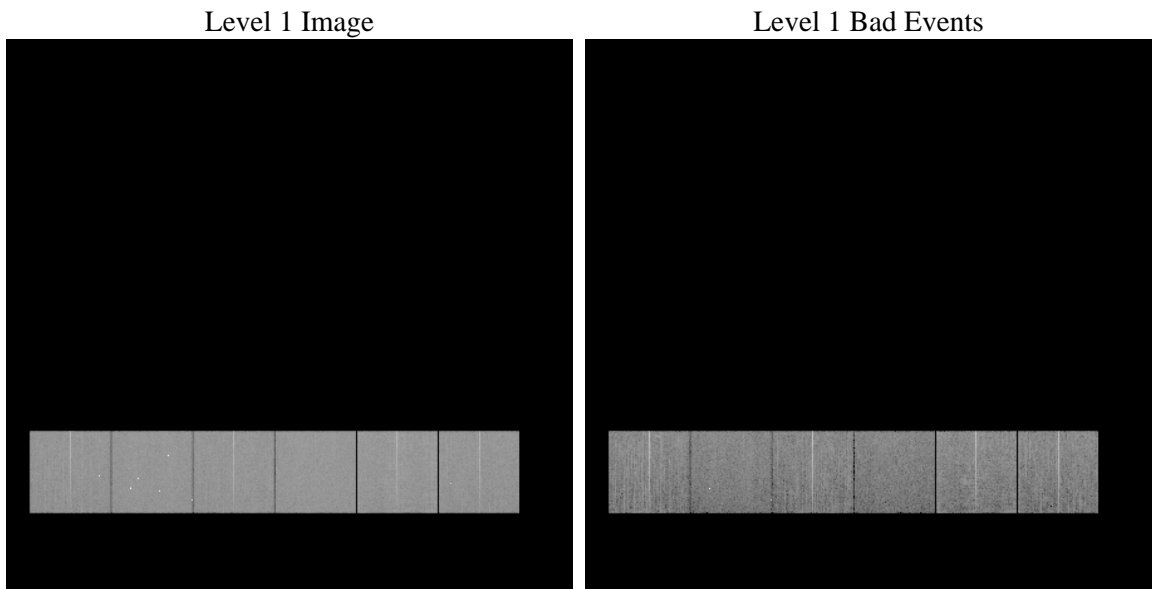
1 Front

seq_num	 	Sequence number
obs_id	59037	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	180.9815695744	Nominal RA [deg]
dec_nom	24.977341393705	Nominal Dec [deg]
roll_nom	198.43831360515	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999691725	Sum of GTIs [s]
livetime	8170.4144044356	Livetime [s]
ontime4	8152.0426276922	Sum of GTIs [s]
ontime5	8275.1999691725	Sum of GTIs [s]
ontime6	8265.4770282209	Sum of GTIs [s]
ontime7	8275.1999691725	Sum of GTIs [s]
ontime8	8275.1999691725	Sum of GTIs [s]
ontime9	8247.8988631964	Sum of GTIs [s]
l2events	963725	Number of level 2 events

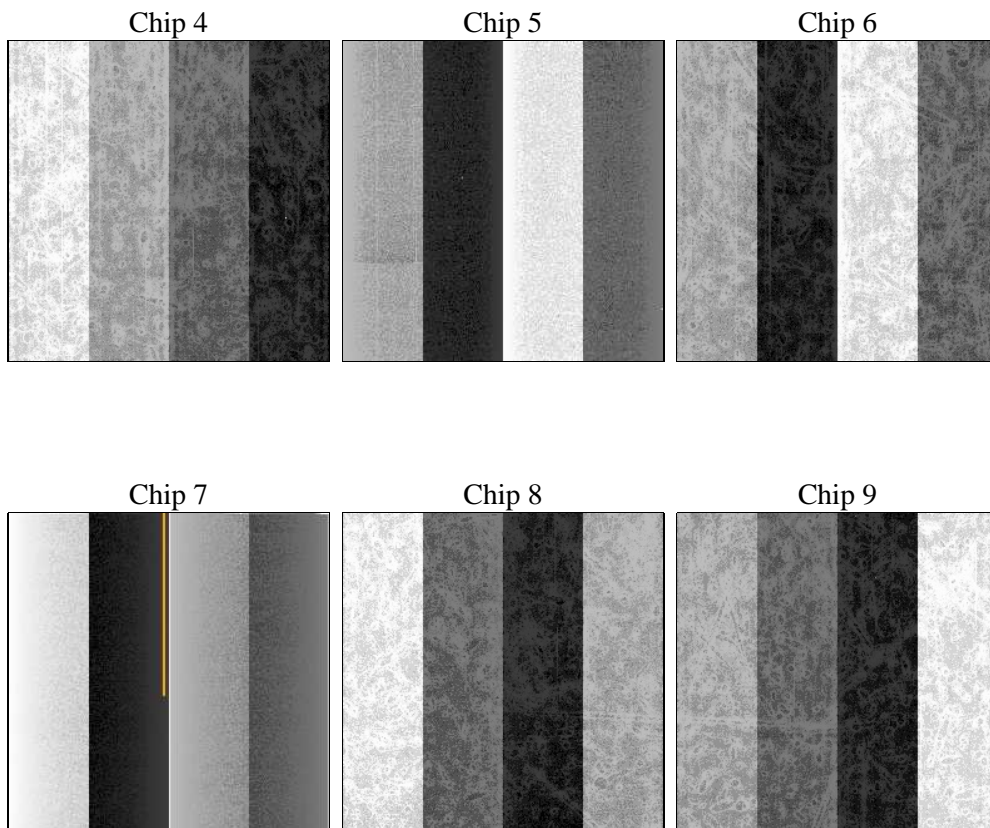
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	8275.1999691725	Sum of GTIs [s]
caldsver	4.4.8	 	ontime4	8152.0426276922	Sum of GTIs [s]
date	2012-03-29T12:20:51	Date and time of file creation	ontime5	8275.1999691725	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8265.4770282209	Sum of GTIs [s]
			ontime7	8275.1999691725	Sum of GTIs [s]
			ontime8	8275.1999691725	Sum of GTIs [s]
			ontime9	8247.8988631964	Sum of GTIs [s]
			l1events	1478014	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	233730	254217	242468	252192	258223	237184	grade 0 events	90579	39914	90920	42836	94439	89149
rejected events	78606	68580	74485	60007	79888	75512		38%	15%	37%	16%	36%	37%
rejected %	33%	26%	30%	23%	30%	31%	grade 1 events	845	557	498	164	614	611
								0%	0%	0%	0%	0%	0%
							grade 2 events	24194	66007	29350	42160	32191	27264
								10%	25%	12%	16%	12%	11%
							grade 3 events	10473	9821	10336	18742	11982	10534
								4%	3%	4%	7%	4%	4%
							grade 4 events	10239	9823	10298	18744	11850	10485
								4%	3%	4%	7%	4%	4%
							grade 5 events	3969	10472	4361	10125	5334	4821
								1%	4%	1%	4%	2%	2%
							grade 6 events	19696	60151	27149	69786	27940	24240
								8%	23%	11%	27%	10%	10%
							grade 7 events	73735	57472	69556	49635	73873	70080
								31%	22%	28%	19%	28%	29%

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	180.9815695743994	Alternating exposures requested	N	N
[deg] Pointing Dec	0	24.97734139370498	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	198.4383136051462			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	260251976.79027	260251975.76526			
Observation start date	2006-04-01T04:12:57	2006-04-01T04:12:55			
[s] Observation end time (MET)	260274438.641317	260274437.6163			
Observation end date	2006-04-01T10:27:19	2006-04-01T10:27:17			
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)	2012.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999691725

A.2 Comments