

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 59179 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Mar 23 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

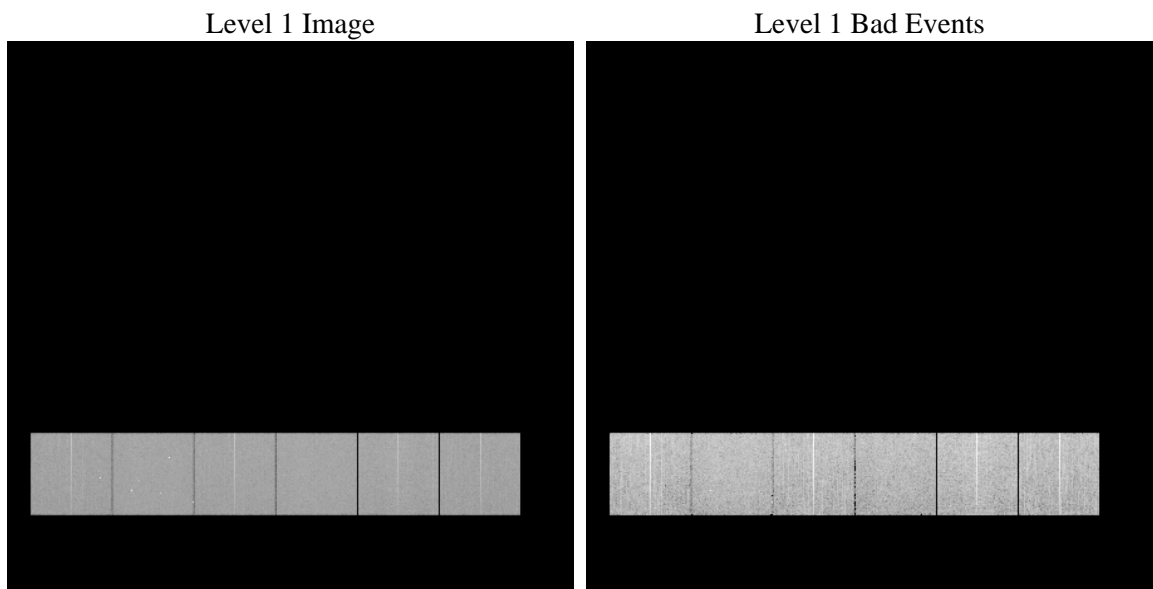
1 Front

seq_num	 	Sequence number
obs_id	59179	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	143.98272782789	Nominal RA [deg]
dec_nom	25.02400081056	Nominal Dec [deg]
roll_nom	90.346777996652	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8271.9999691844	Sum of GTIs [s]
livetime	8167.2549247742	Livetime [s]
ontime4	8271.9999691844	Sum of GTIs [s]
ontime5	8271.9999691844	Sum of GTIs [s]
ontime6	8271.9999691844	Sum of GTIs [s]
ontime7	8271.9999691844	Sum of GTIs [s]
ontime8	8271.9999691844	Sum of GTIs [s]
ontime9	8271.9999691844	Sum of GTIs [s]
l2events	1007488	Number of level 2 events

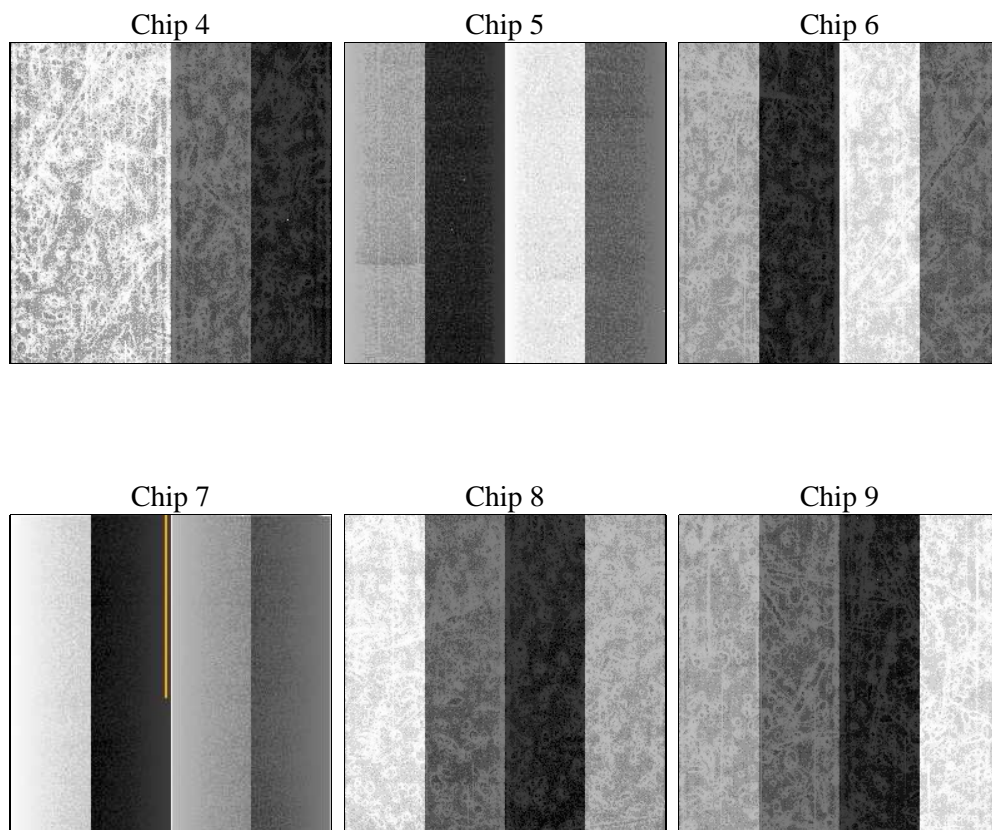
2 OBI

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	8271.9999691844	Sum of GTIs [s]
caldsver	4.4.8	 	ontime4	8271.9999691844	Sum of GTIs [s]
date	2012-03-23T14:17:27	Date and time of file creation	ontime5	8271.9999691844	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8271.9999691844	Sum of GTIs [s]
			ontime7	8271.9999691844	Sum of GTIs [s]
			ontime8	8271.9999691844	Sum of GTIs [s]
			ontime9	8271.9999691844	Sum of GTIs [s]
			l1events	1469931	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	234918	244769	244009	253567	255635	237033	grade 0 events	96396	36593	95227	45141	98435	93291
rejected events	69009	62244	67055	56281	71238	66504		41%	14%	39%	17%	38%	39%
rejected %	29%	25%	27%	22%	27%	28%	grade 1 events	815	315	537	198	584	589
								0%	0%	0%	0%	0%	0%
							grade 2 events	26080	66021	30940	43014	32695	29343
								11%	26%	12%	16%	12%	12%
							grade 3 events	11233	10224	11326	19442	12464	11152
								4%	4%	4%	7%	4%	4%
							grade 4 events	11066	9962	11075	19427	12383	11050
								4%	4%	4%	7%	4%	4%
							grade 5 events	3926	9254	4159	9687	4897	4392
								1%	3%	1%	3%	1%	1%
							grade 6 events	21134	59725	28386	70349	28420	25763
								8%	24%	11%	27%	11%	10%
							grade 7 events	64268	52675	62359	46309	65757	61453
								27%	21%	25%	18%	25%	25%

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	143.9827278278894	Alternating exposures requested	N	N
[deg] Pointing Dec	0	25.0240008105599	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	90.34677799665185			
[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)	253411054.722486	253411053.69748			
Observation start date	2006-01-11T23:57:35	2006-01-11T23:57:33			
[s] Observation end time (MET)	253419918.922897	253419917.89789			
Observation end date	2006-01-12T02:25:19	2006-01-12T02:25:17			
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)	2012.03.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2719999691844

A.2 Comments