

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 57019 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 9 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

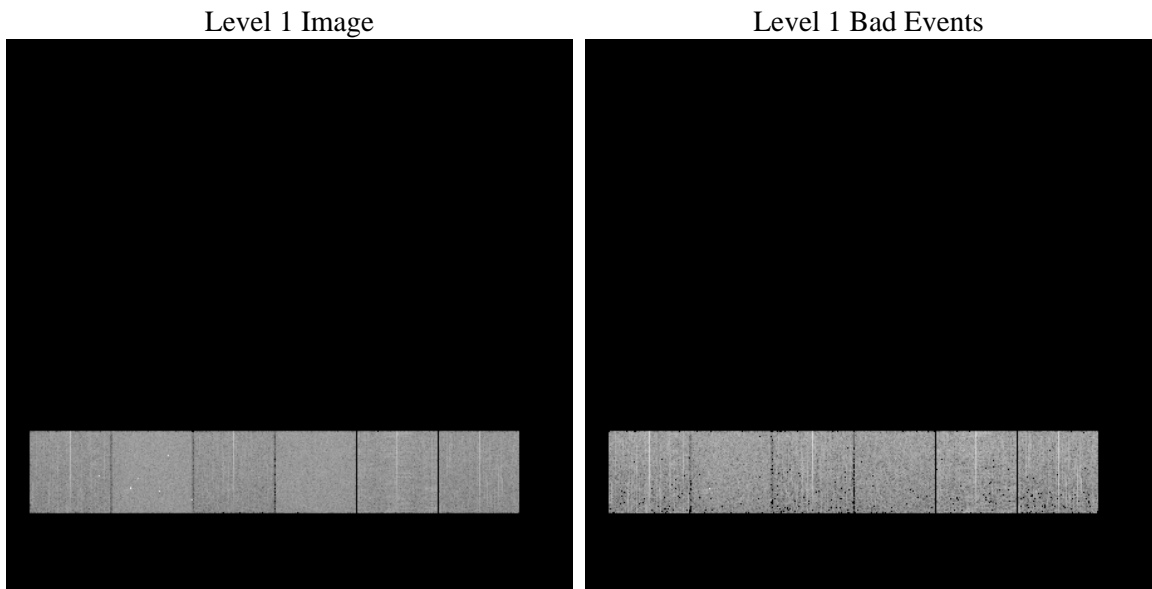
1 Front

seq_num	 	Sequence number
obs_id	57019	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	295.97504109699	Nominal RA [deg]
dec_nom	-14.984276446767	Nominal Dec [deg]
roll_nom	114.0424538136	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3273.4475537539	Sum of GTIs [s]
livetime	3231.9971897947	Livetime [s]
ontime4	3273.3824996948	Sum of GTIs [s]
ontime5	3273.4475538135	Sum of GTIs [s]
ontime6	3273.4235396981	Sum of GTIs [s]
ontime7	3273.4475537539	Sum of GTIs [s]
ontime8	3273.3414596915	Sum of GTIs [s]
ontime9	3273.4475538135	Sum of GTIs [s]
l2events	205056	Number of level 2 events

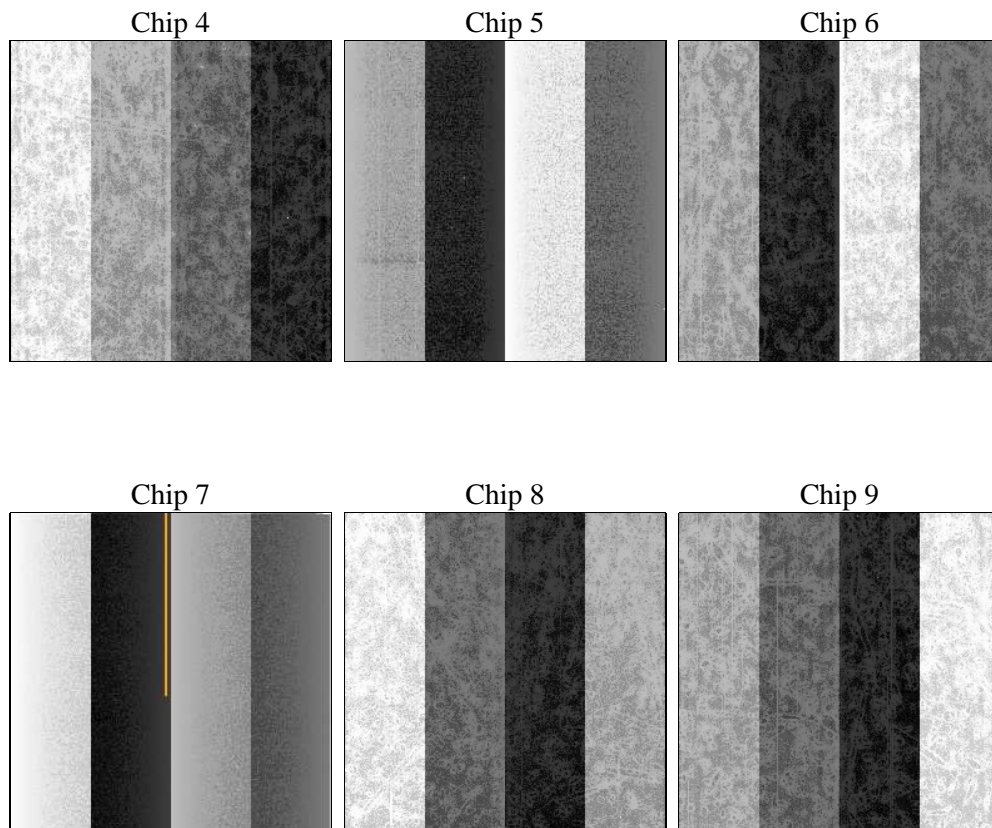
2 OBI

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	8.4.5	Processing system revision	ontime	3273.4475537539	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	3273.3824996948	Sum of GTIs [s]
date	2012-06-09T09:05:32	Date and time of file creation	ontime5	3273.4475538135	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3273.4235396981	Sum of GTIs [s]
			ontime7	3273.4475537539	Sum of GTIs [s]
			ontime8	3273.3414596915	Sum of GTIs [s]
			ontime9	3273.4475538135	Sum of GTIs [s]
			l1events	414582	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	62947	78791	62911	74281	72352	63300	grade 0 events	17333	7746	16519	8532	18172	16357
rejected events	32649	30505	31123	28334	35009	32386		27%	9%	26%	11%	25%	25%
rejected %	51%	38%	49%	38%	48%	51%	grade 1 events	194	394	86	61	118	153
								0%	0%	0%	0%	0%	0%
							grade 2 events	4879	16696	5786	10065	7067	5431
								7%	21%	9%	13%	9%	8%
							grade 3 events	2201	2143	2118	4383	2815	2034
								3%	2%	3%	5%	3%	3%
							grade 4 events	2092	2258	2103	4262	2671	2096
								3%	2%	3%	5%	3%	3%
							grade 5 events	1779	4137	1840	4704	2485	2005
								2%	5%	2%	6%	3%	3%
							grade 6 events	3793	19443	5262	18705	6618	4996
								6%	24%	8%	25%	9%	7%
							grade 7 events	30676	25974	29197	23569	32406	30228
								48%	32%	46%	31%	44%	47%

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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	295.9750410969945	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-14.98427644676697	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	114.0424538136037	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	362117280.466367	362117279.44136			
Observation start date	2009-06-23T04:08:00	2009-06-23T04:07:59			
[s] Observation end time (MET)	362131515.667079	362131514.64207			
Observation end date	2009-06-23T08:05:16	2009-06-23T08:05:14			
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)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2734475537539

A.2 Comments