

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56871 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 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

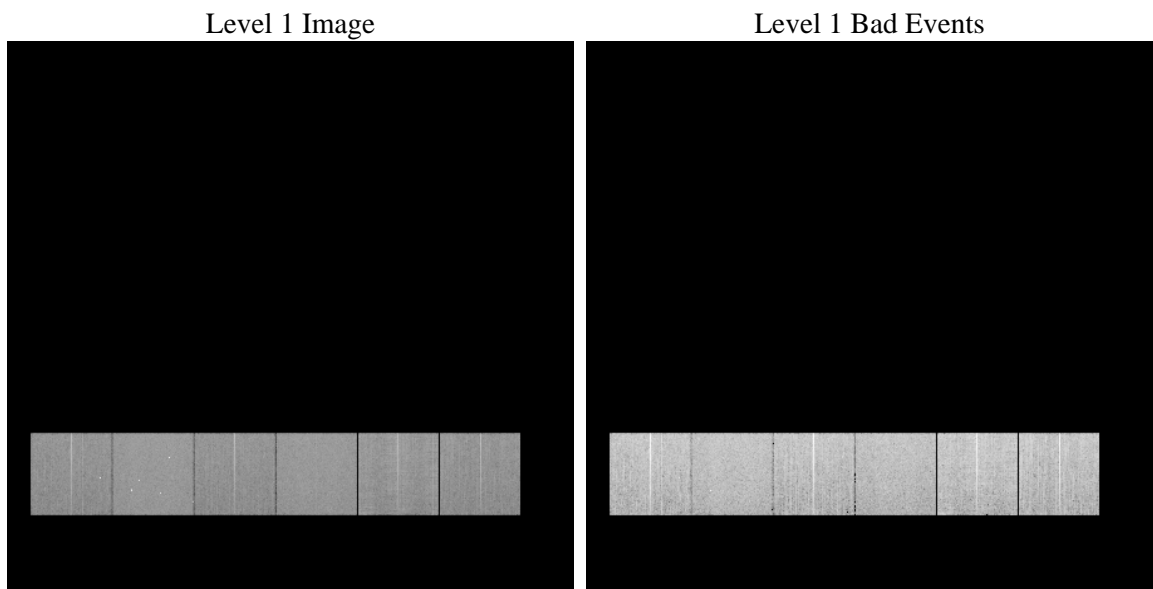
1 Front

seq_num	 	Sequence number
obs_id	56871	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	355.00026218651	Nominal RA [deg]
dec_nom	-24.971277332141	Nominal Dec [deg]
roll_nom	57.491437868999	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8268.7999692559	Sum of GTIs [s]
livetime	8164.0954451716	Livetime [s]
ontime4	8268.7999692559	Sum of GTIs [s]
ontime5	8268.7999692559	Sum of GTIs [s]
ontime6	8268.7999692559	Sum of GTIs [s]
ontime7	8268.7999692559	Sum of GTIs [s]
ontime8	8268.7999692559	Sum of GTIs [s]
ontime9	8268.7999692559	Sum of GTIs [s]
l2events	502274	Number of level 2 events

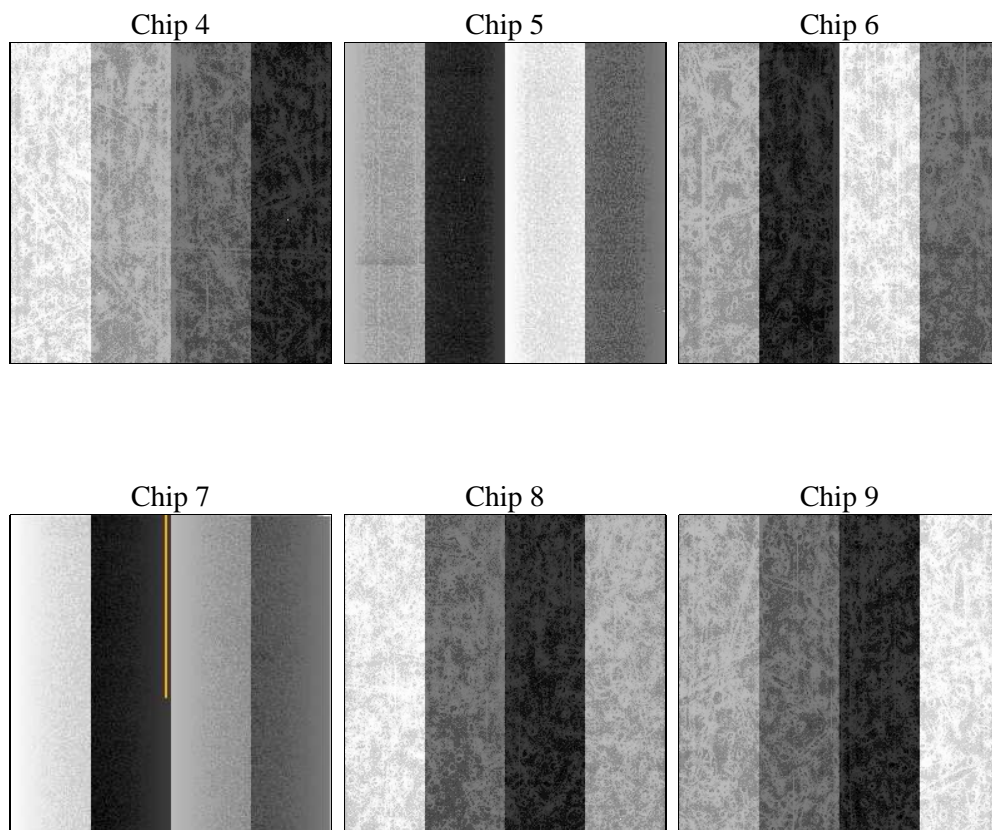
2 OBI

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	8.4.5	Processing system revision	ontime	8268.7999692559	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	8268.7999692559	Sum of GTIs [s]
date	2012-06-12T14:09:03	Date and time of file creation	ontime5	8268.7999692559	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8268.7999692559	Sum of GTIs [s]
			ontime7	8268.7999692559	Sum of GTIs [s]
			ontime8	8268.7999692559	Sum of GTIs [s]
			ontime9	8268.7999692559	Sum of GTIs [s]
			l1events	1033401	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	157238	195460	156043	185847	181651	157162	grade 0 events	42054	19457	40547	20793	44924	39648
rejected events	83606	76506	78771	71895	89195	82239		26%	9%	25%	11%	24%	25%
rejected %	53%	39%	50%	38%	49%	52%	grade 1 events	495	351	288	149	322	348
								0%	0%	0%	0%	0%	0%
							grade 2 events	11625	40756	13866	24934	17567	13170
								7%	20%	8%	13%	9%	8%
							grade 3 events	5125	5410	4940	10550	6864	5089
								3%	2%	3%	5%	3%	3%
							grade 4 events	5127	5452	5096	10399	6559	5044
								3%	2%	3%	5%	3%	3%
							grade 5 events	4418	10282	4510	11764	6072	5097
								2%	5%	2%	6%	3%	3%
							grade 6 events	9701	47879	12823	47276	16542	11972
								6%	24%	8%	25%	9%	7%
							grade 7 events	78693	65873	73973	59982	82801	76794
								50%	33%	47%	32%	45%	48%

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	355.0002621865076	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-24.97127733214105	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	57.49143786899943	[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)	367595983.640568	367595982.61556			
Observation start date	2009-08-25T13:59:44	2009-08-25T13:59:42			
[s] Observation end time (MET)	367618429.091693	367618428.06669			
Observation end date	2009-08-25T20:13:49	2009-08-25T20:13:48			
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)	2012.06.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2687999692559

A.2 Comments