

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55590 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 6 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

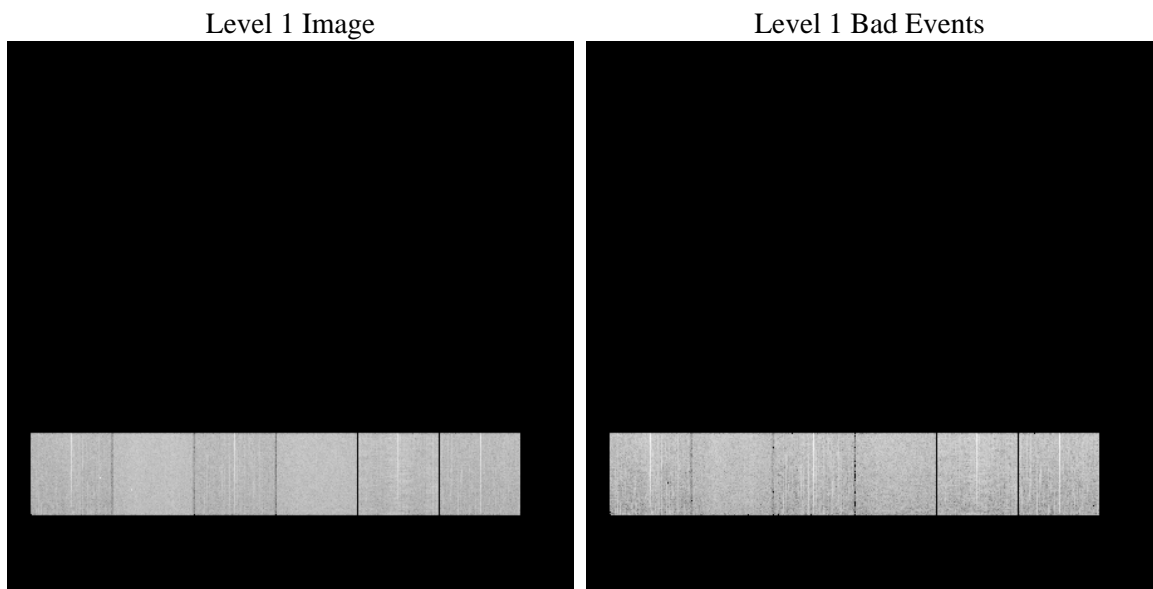
1 Front

seq_num	 	Sequence number
obs_id	55590	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	190.96830948217	Nominal RA [deg]
dec_nom	25.502299044844	Nominal Dec [deg]
roll_nom	142.49456467298	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8278.3999692202	Sum of GTIs [s]
livetime	8173.5738841559	Livetime [s]
ontime4	8278.3999692202	Sum of GTIs [s]
ontime5	8278.3999692202	Sum of GTIs [s]
ontime6	8278.3999692202	Sum of GTIs [s]
ontime7	8278.3999692202	Sum of GTIs [s]
ontime8	8278.3999692202	Sum of GTIs [s]
ontime9	8278.3999692202	Sum of GTIs [s]
l2events	355615	Number of level 2 events

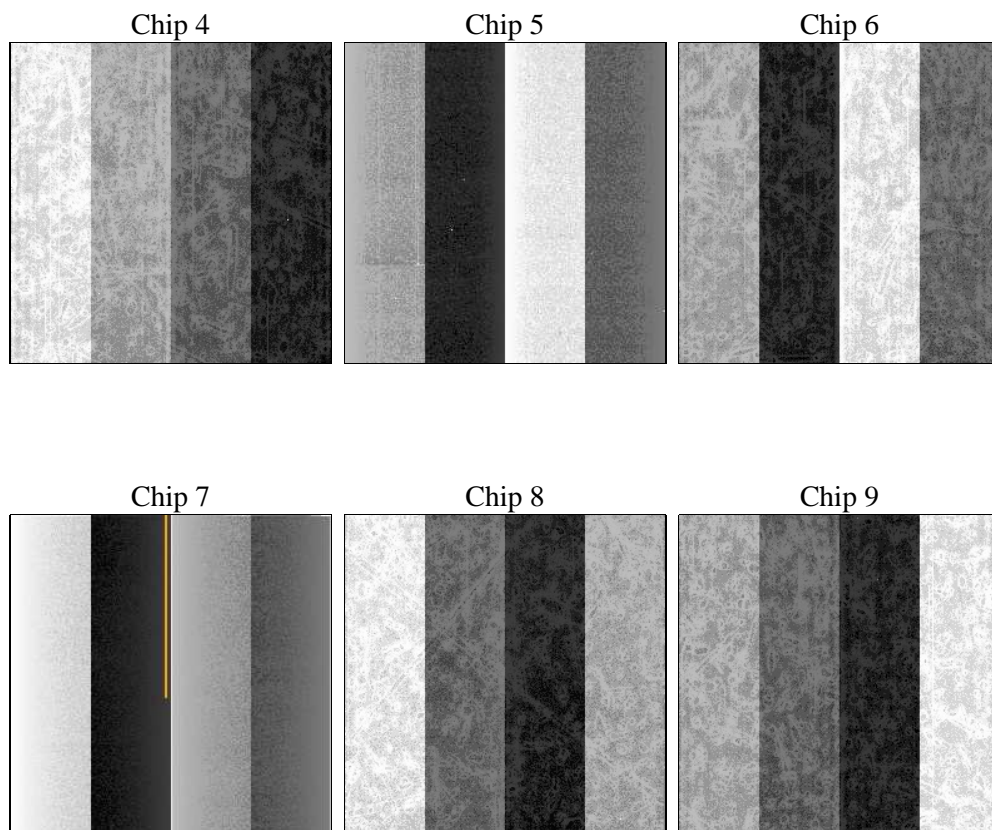
2 OBI

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	Processing system revision	ontime	8278.3999692202	Sum of GTIs [s]
caldsver	4.4.7	 	ontime4	8278.3999692202	Sum of GTIs [s]
date	2012-02-06T10:04:25	Date and time of file creation	ontime5	8278.3999692202	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8278.3999692202	Sum of GTIs [s]
			ontime7	8278.3999692202	Sum of GTIs [s]
			ontime8	8278.3999692202	Sum of GTIs [s]
			ontime9	8278.3999692202	Sum of GTIs [s]
			l1events	778610	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	115178	147870	118001	144477	136604	116480	grade 0 events	28992	8650	27185	13799	31449	27262
rejected events	64532	64145	64684	61989	71133	64610		25%	5%	23%	9%	23%	23%
rejected %	56%	43%	54%	42%	52%	55%	grade 1 events	239	186	146	96	198	184
								0%	0%	0%	0%	0%	0%
							grade 2 events	7845	31158	10173	18096	12366	9052
								6%	21%	8%	12%	9%	7%
							grade 3 events	3618	3063	3393	7231	4968	3674
								3%	2%	2%	5%	3%	3%
							grade 4 events	3660	2928	3404	7184	4757	3492
								3%	1%	2%	4%	3%	2%
							grade 5 events	3671	7573	3666	9407	5026	4146
								3%	5%	3%	6%	3%	3%
							grade 6 events	6561	37926	9162	36178	11950	8390
								5%	25%	7%	25%	8%	7%
							grade 7 events	60592	56386	60872	52486	65890	60280
								52%	38%	51%	36%	48%	51%

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	190.9683094821663	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	25.50229904484385	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	142.4945646729818	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	416523241.835835	416523240.81082			
Observation start date	2011-03-14T20:54:02	2011-03-14T20:54:00			
[s] Observation end time (MET)	416535757.08647	416535756.06147			
Observation end date	2011-03-15T00:22:37	2011-03-15T00:22:36			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999692202

A.2 Comments