

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55426 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 10 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

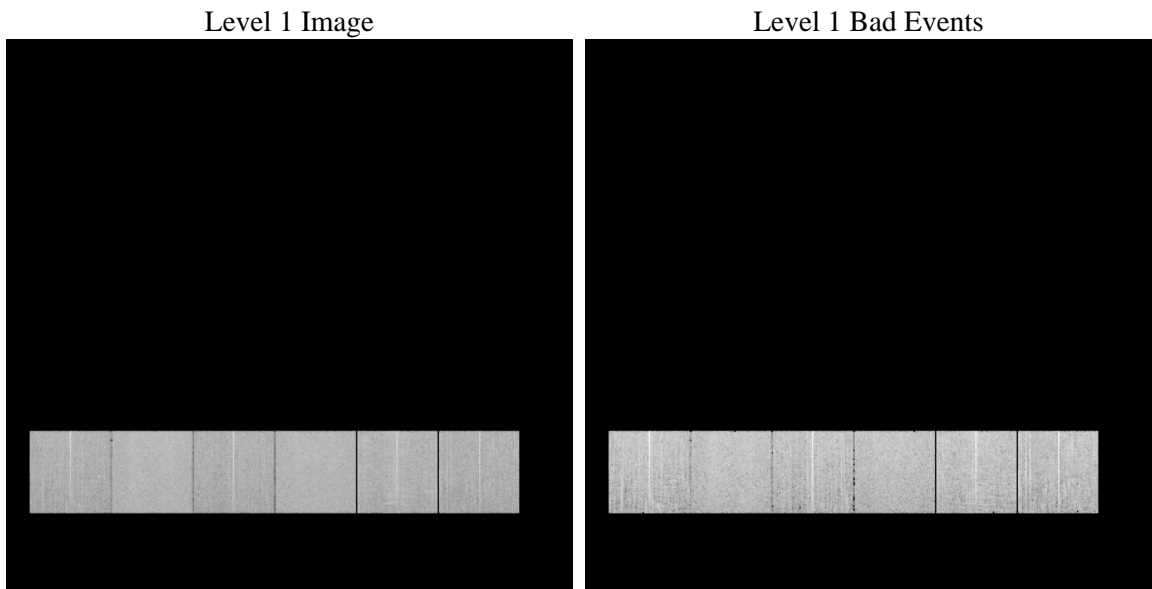
1 Front

seq_num	 	Sequence number
obs_id	55426	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	206.44416008304	Nominal RA [deg]
dec_nom	-50.405918736024	Nominal Dec [deg]
roll_nom	315.37137270748	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8277.1746819615	Sum of GTIs [s]
livetime	8172.3641122223	Livetime [s]
ontime4	8277.0515619516	Sum of GTIs [s]
ontime5	8277.1336419582	Sum of GTIs [s]
ontime6	8277.0926019549	Sum of GTIs [s]
ontime7	8277.1746819615	Sum of GTIs [s]
ontime8	8277.0105219483	Sum of GTIs [s]
ontime9	8277.2157219648	Sum of GTIs [s]
l2events	353510	Number of level 2 events

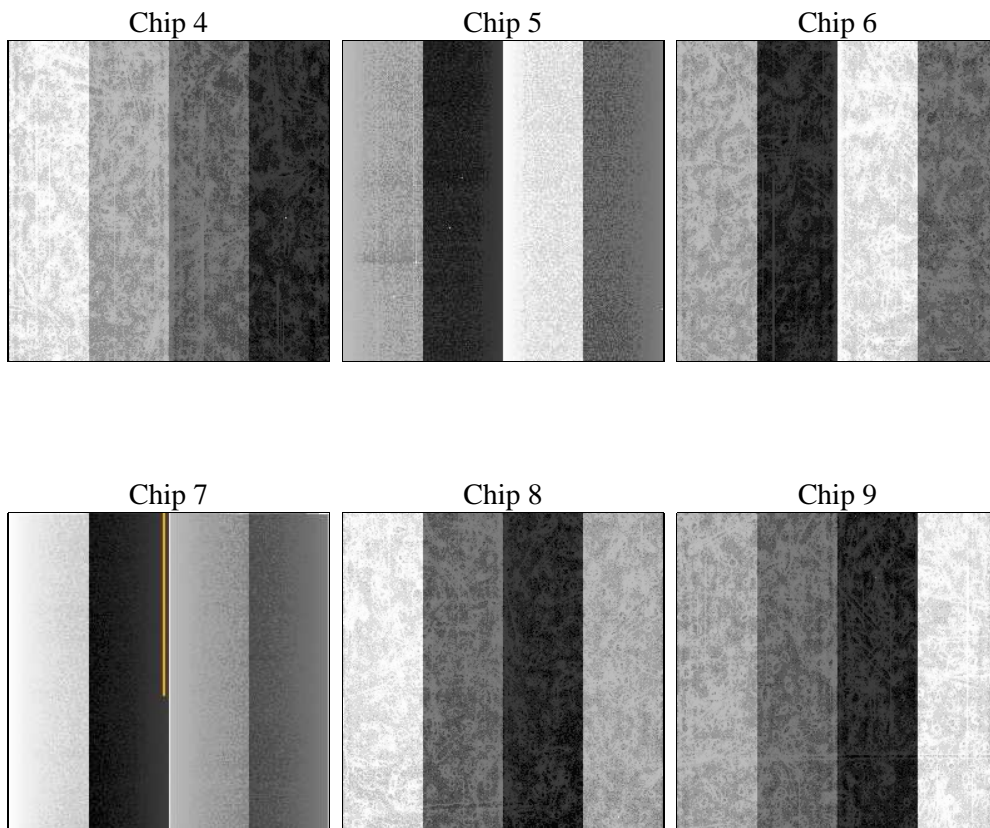
2 OBI

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	8277.1746819615	Sum of GTIs [s]
caldsver	4.4.7	 	ontime4	8277.0515619516	Sum of GTIs [s]
date	2012-02-10T08:03:49	Date and time of file creation	ontime5	8277.1336419582	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8277.0926019549	Sum of GTIs [s]
			ontime7	8277.1746819615	Sum of GTIs [s]
			ontime8	8277.0105219483	Sum of GTIs [s]
			ontime9	8277.2157219648	Sum of GTIs [s]
			l1events	771602	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	117484	145653	116139	141596	133120	117610	grade 0 events	28976	8213	26474	13323	31122	26960
rejected events	66767	63433	62699	60628	68430	65655		24%	5%	22%	9%	23%	22%
rejected %	56%	43%	53%	42%	51%	55%	grade 1 events	250	166	152	113	181	185
								0%	0%	0%	0%	0%	0%
							grade 2 events	7786	30684	10739	18040	12259	9311
								6%	21%	9%	12%	9%	7%
							grade 3 events	3607	2974	3182	7019	4855	3531
								3%	2%	2%	4%	3%	3%
							grade 4 events	3604	2764	3277	6827	4645	3401
								3%	1%	2%	4%	3%	2%
							grade 5 events	3398	7322	3629	8870	4911	4085
								2%	5%	3%	6%	3%	3%
							grade 6 events	6744	37585	9768	35759	11809	8752
								5%	25%	8%	25%	8%	7%
							grade 7 events	63119	55945	58918	51645	63338	61385
								53%	38%	50%	36%	47%	52%

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	206.4441600830369	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-50.40591873602354	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	315.3713727074755	[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)	422007584.570326	422007583.54534			
Observation start date	2011-05-17T08:19:45	2011-05-17T08:19:43			
[s] Observation end time (MET)	422020905.471018	422020904.44603			
Observation end date	2011-05-17T12:01:45	2011-05-17T12:01:44			
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)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2771746819615

A.2 Comments