

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55154 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 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

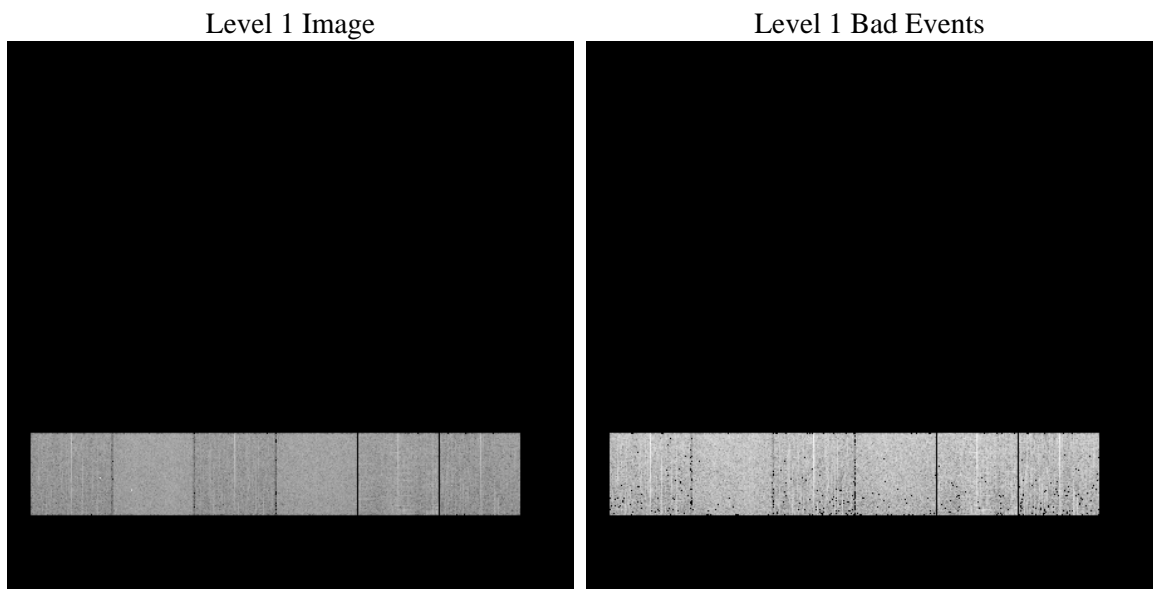
1 Front

seq_num	 	Sequence number
obs_id	55154	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	349.98747364675	Nominal RA [deg]
dec_nom	25.973617062228	Nominal Dec [deg]
roll_nom	213.92108830796	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4651.60621804	Sum of GTIs [s]
livetime	4592.7047792462	Livetime [s]
ontime4	4538.0485439301	Sum of GTIs [s]
ontime5	4651.5651780367	Sum of GTIs [s]
ontime6	4541.3288277388	Sum of GTIs [s]
ontime7	4651.60621804	Sum of GTIs [s]
ontime8	4547.7287780643	Sum of GTIs [s]
ontime9	4538.2108976841	Sum of GTIs [s]
l2events	169789	Number of level 2 events

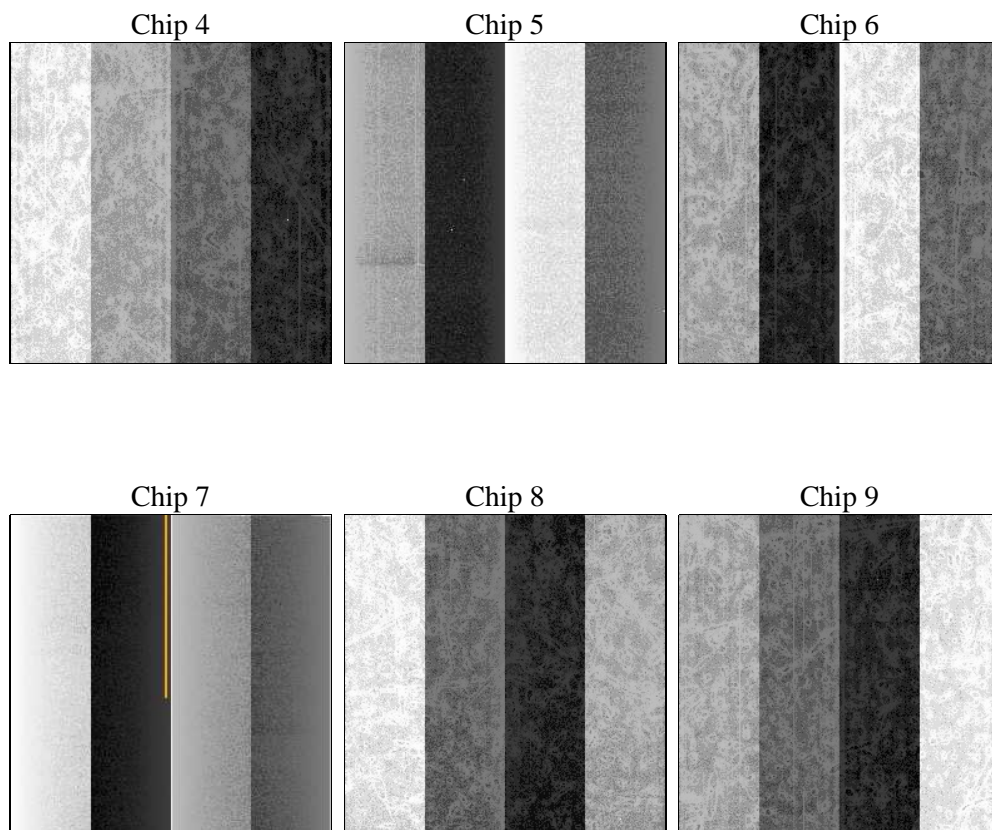
2 OBI

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	4651.60621804	Sum of GTIs [s]
caldsver	4.4.8	 	ontime4	4538.0485439301	Sum of GTIs [s]
date	2012-02-23T17:37:26	Date and time of file creation	ontime5	4651.5651780367	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4541.3288277388	Sum of GTIs [s]
			ontime7	4651.60621804	Sum of GTIs [s]
			ontime8	4547.7287780643	Sum of GTIs [s]
			ontime9	4538.2108976841	Sum of GTIs [s]
			l1events	361167	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	52391	70219	53514	69224	62194	53625	grade 0 events	14168	4221	13126	6668	14798	13187
rejected events	27960	30534	27983	29302	31748	28690		27%	6%	24%	9%	23%	24%
rejected %	53%	43%	52%	42%	51%	53%	grade 1 events	107	83	72	49	62	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	3806	14776	4890	8873	5773	4333
								7%	21%	9%	12%	9%	8%
							grade 3 events	1683	1522	1713	3474	2297	1769
								3%	2%	3%	5%	3%	3%
							grade 4 events	1728	1371	1581	3430	2256	1613
								3%	1%	2%	4%	3%	3%
							grade 5 events	1690	3497	1765	4447	2285	2006
								3%	4%	3%	6%	3%	3%
							grade 6 events	3065	17819	4241	17501	5366	4049
								5%	25%	7%	25%	8%	7%
							grade 7 events	26144	26930	26126	24782	29357	26586
								49%	38%	48%	35%	47%	49%

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	349.9874736467489	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	25.97361706222753	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	213.9210883079598	[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)	433661187.00692	433661185.98192			
Observation start date	2011-09-29T05:26:27	2011-09-29T05:26:25			
[s] Observation end time (MET)	433667554.307254	433667553.28225			
Observation end date	2011-09-29T07:12:34	2011-09-29T07:12:33			
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)	2012.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.65160621804

A.2 Comments