

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54331 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 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

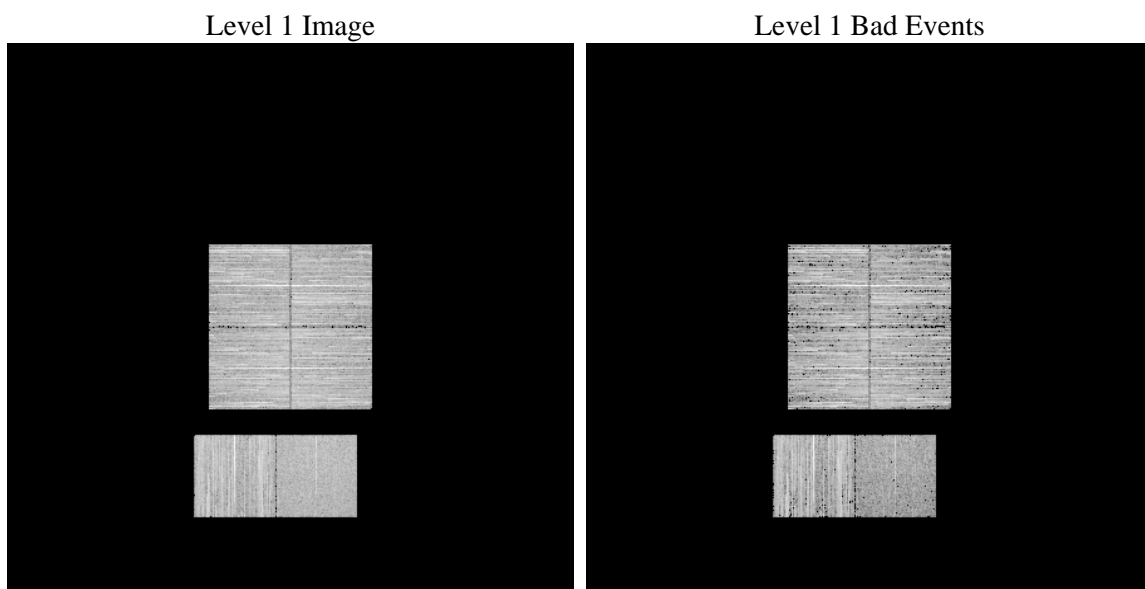
1 Front

seq_num	 	Sequence number
obs_id	54331	Observation id
title	ACIS-012367 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	146.09657738791	Nominal RA [deg]
dec_nom	51.334388649262	Nominal Dec [deg]
roll_nom	31.969349228067	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3907.1999855042	Sum of GTIs [s]
livetime	3857.7246666543	Livetime [s]
ontime0	3793.7666610479	Sum of GTIs [s]
ontime1	3777.5586143732	Sum of GTIs [s]
ontime2	3800.2488306165	Sum of GTIs [s]
ontime3	3800.2488107681	Sum of GTIs [s]
ontime6	3790.5256210566	Sum of GTIs [s]
ontime7	3907.1999855042	Sum of GTIs [s]
l2events	111572	Number of level 2 events

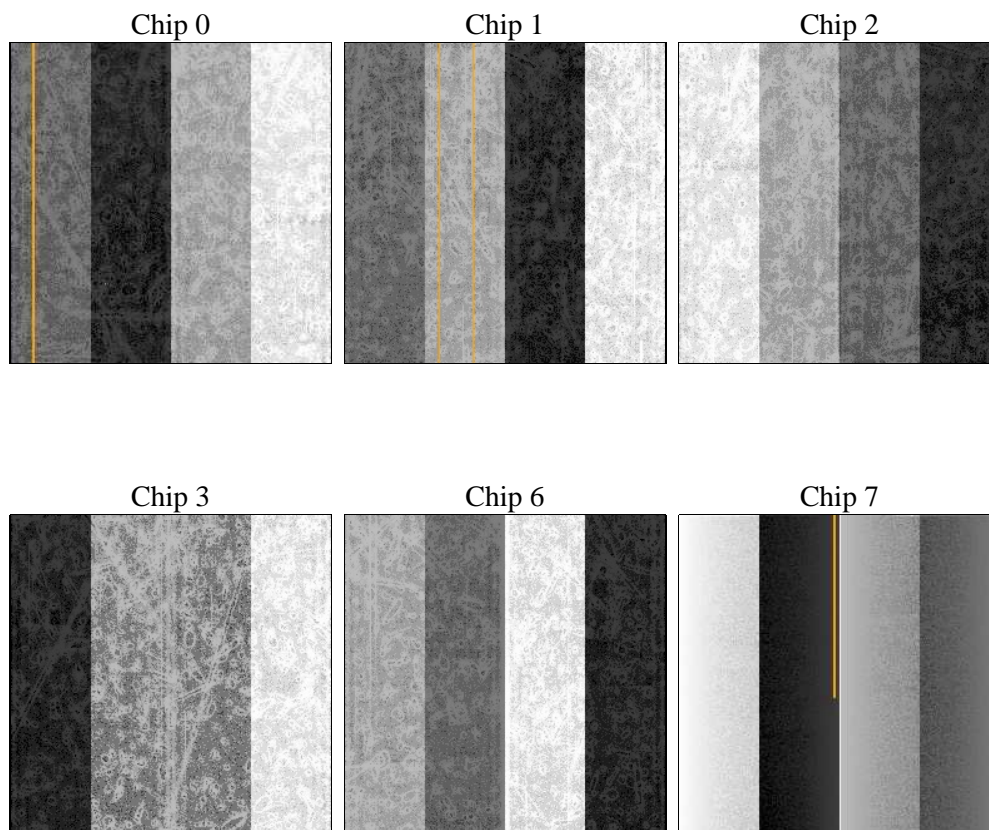
2 OBI

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	3907.1999855042	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	3793.7666610479	Sum of GTIs [s]
date	2012-09-12T17:24:53	Date and time of file creation	ontime1	3777.5586143732	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3800.2488306165	Sum of GTIs [s]
			ontime3	3800.2488107681	Sum of GTIs [s]
			ontime6	3790.5256210566	Sum of GTIs [s]
			ontime7	3907.1999855042	Sum of GTIs [s]
			l1events	449965	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	76607	71247	79986	78075	79640	64410	grade 0 events	9023	8612	9315	9298	9028	4895
rejected events	59239	53961	62425	60592	61554	33140		11%	12%	11%	11%	11%	7%
rejected %	77%	75%	78%	77%	77%	51%	grade 1 events	43	42	49	65	54	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	3379	3541	3235	3242	3629	7719
								4%	4%	4%	4%	4%	11%
							grade 3 events	1153	1123	1209	1157	1174	2555
								1%	1%	1%	1%	1%	3%
							grade 4 events	1144	1141	1241	1146	1184	2582
								1%	1%	1%	1%	1%	4%
							grade 5 events	1355	1326	1267	1526	1456	3631
								1%	1%	1%	1%	1%	5%
							grade 6 events	2669	2869	2561	2640	3071	13519
								3%	4%	3%	3%	3%	20%
							grade 7 events	57841	52593	61109	59001	60044	29482
								75%	73%	76%	75%	75%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	146.0965773879069	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	51.33438864926216	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	31.96934922806749	[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)	463821703.714821	463821702.68982			
Observation start date	2012-09-12T07:21:44	2012-09-12T07:21:42			
[s] Observation end time (MET)	463827318.665121	463827317.64012			
Observation end date	2012-09-12T08:55:19	2012-09-12T08:55:17			
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)	2012.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.9071999855042

A.2 Comments