

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54720 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 9 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

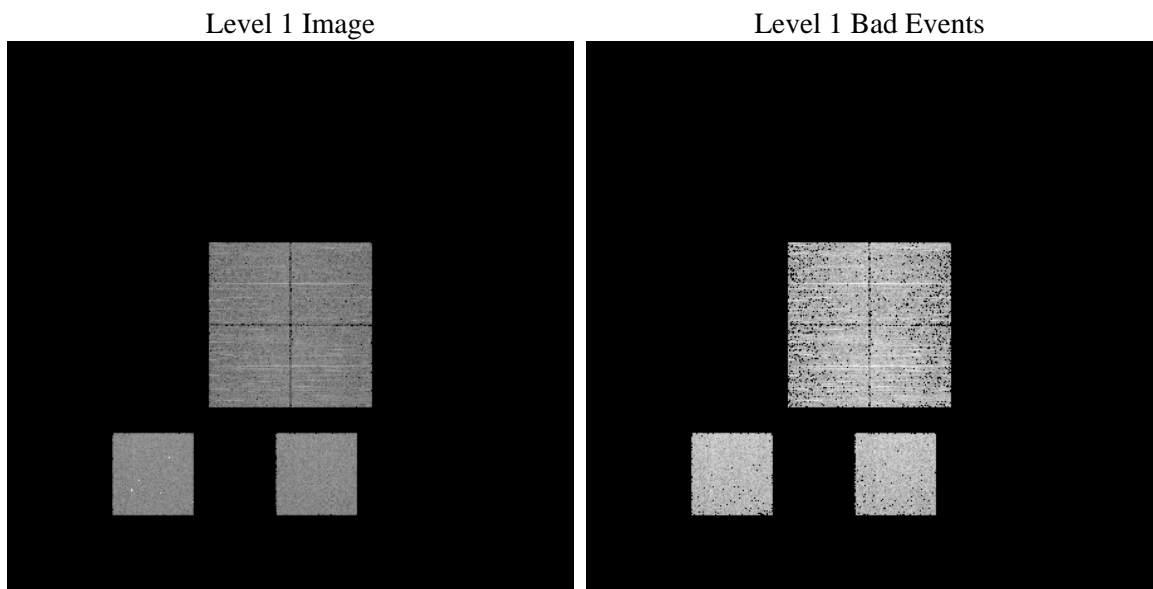
1 Front

seq_num	 	Sequence number
obs_id	54720	Observation id
title	ACIS-012357 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	67.003813800088	Nominal RA [deg]
dec_nom	-22.028528077861	Nominal Dec [deg]
roll_nom	244.09842206431	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3292.6667180061	Sum of GTIs [s]
livetime	3250.9729894169	Livetime [s]
ontime0	3292.6256780028	Sum of GTIs [s]
ontime1	3292.5846379995	Sum of GTIs [s]
ontime2	3292.5435979962	Sum of GTIs [s]
ontime3	3292.7077580094	Sum of GTIs [s]
ontime5	3292.5025579929	Sum of GTIs [s]
ontime7	3292.6667180061	Sum of GTIs [s]
l2events	113644	Number of level 2 events

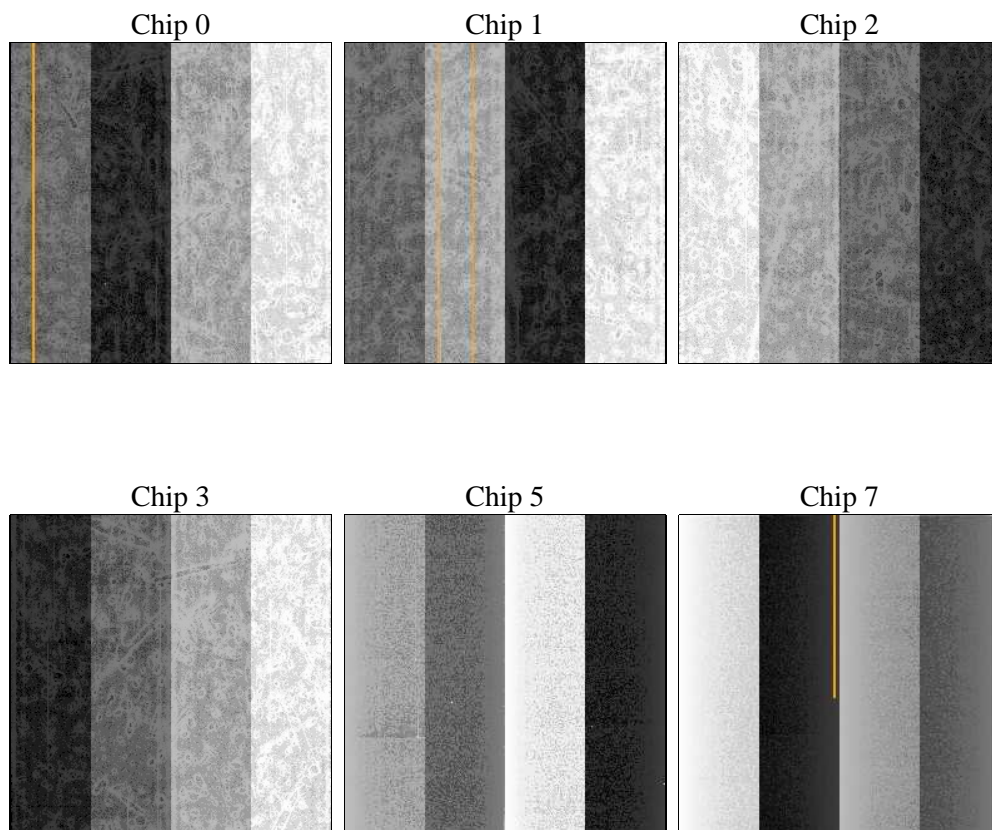
2 OBI

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	3292.6667180061	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	3292.6256780028	Sum of GTIs [s]
date	2012-04-10T01:02:09	Date and time of file creation	ontime1	3292.5846379995	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3292.5435979962	Sum of GTIs [s]
			ontime3	3292.7077580094	Sum of GTIs [s]
			ontime5	3292.5025579929	Sum of GTIs [s]
			ontime7	3292.6667180061	Sum of GTIs [s]
			l1events	241810	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	34725	33667	36529	37310	51215	48364	grade 0 events	8476	8293	8895	8619	4779	4377
rejected events	18575	17442	20158	21091	21406	21500		24%	24%	24%	23%	9%	9%
rejected %	53%	51%	55%	56%	41%	44%	grade 1 events	44	36	62	51	110	38
								0%	0%	0%	0%	0%	0%
							grade 2 events	3006	3142	2887	2958	10604	5933
								8%	9%	7%	7%	20%	12%
							grade 3 events	1101	1038	1130	1143	1108	2366
								3%	3%	3%	3%	2%	4%
							grade 4 events	1085	1115	1143	1088	1096	2327
								3%	3%	3%	2%	2%	4%
							grade 5 events	1246	1272	1266	1372	2786	3410
								3%	3%	3%	3%	5%	7%
							grade 6 events	2482	2637	2316	2411	12222	11861
								7%	7%	6%	6%	23%	24%
							grade 7 events	17285	16134	18830	19668	18510	18052
								49%	47%	51%	52%	36%	37%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	67.00381380008811	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-22.02852807786126	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	244.0984220643091	[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)	450316968.223719	450316967.19872			
Observation start date	2012-04-09T00:02:48	2012-04-09T00:02:47			
[s] Observation end time (MET)	450325039.074147	450325038.04915			
Observation end date	2012-04-09T02:17:19	2012-04-09T02:17:18			
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)	2012.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2926667180061

A.2 Comments