

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54548 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 14 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

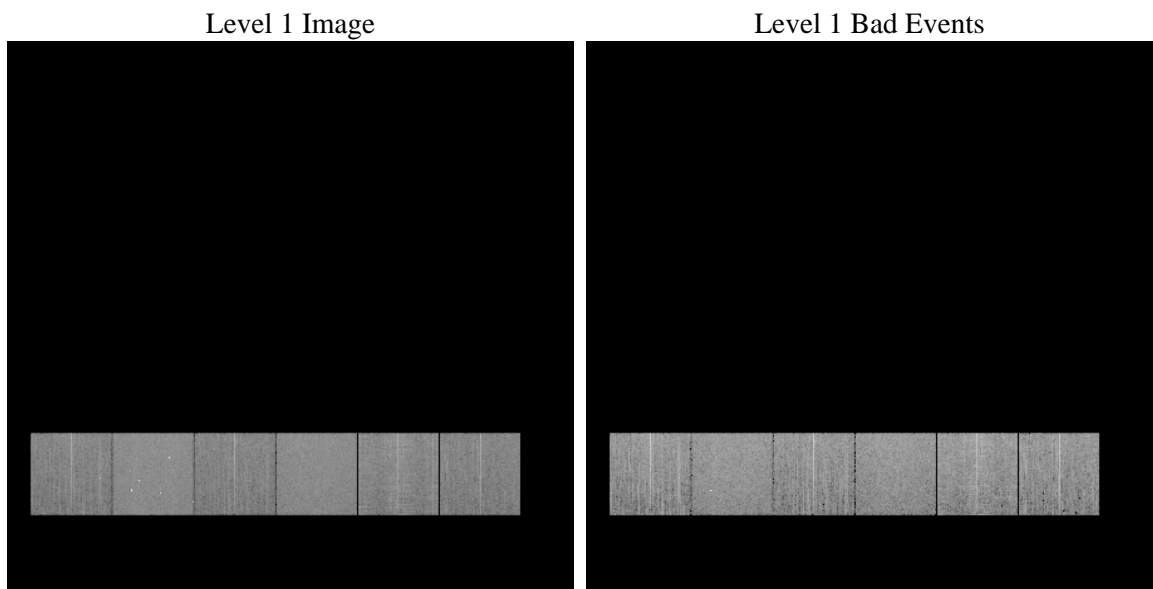
1 Front

seq_num	 	Sequence number
obs_id	54548	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	250.48667171038	Nominal RA [deg]
dec_nom	-2.5253594410589	Nominal Dec [deg]
roll_nom	209.3131314015	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8283.637663722	Sum of GTIs [s]
livetime	8178.7452558162	Livetime [s]
ontime4	8283.5145437121	Sum of GTIs [s]
ontime5	8283.5966237187	Sum of GTIs [s]
ontime6	8283.5555837154	Sum of GTIs [s]
ontime7	8283.637663722	Sum of GTIs [s]
ontime8	8280.2324929237	Sum of GTIs [s]
ontime9	8283.6787037253	Sum of GTIs [s]
l2events	284085	Number of level 2 events

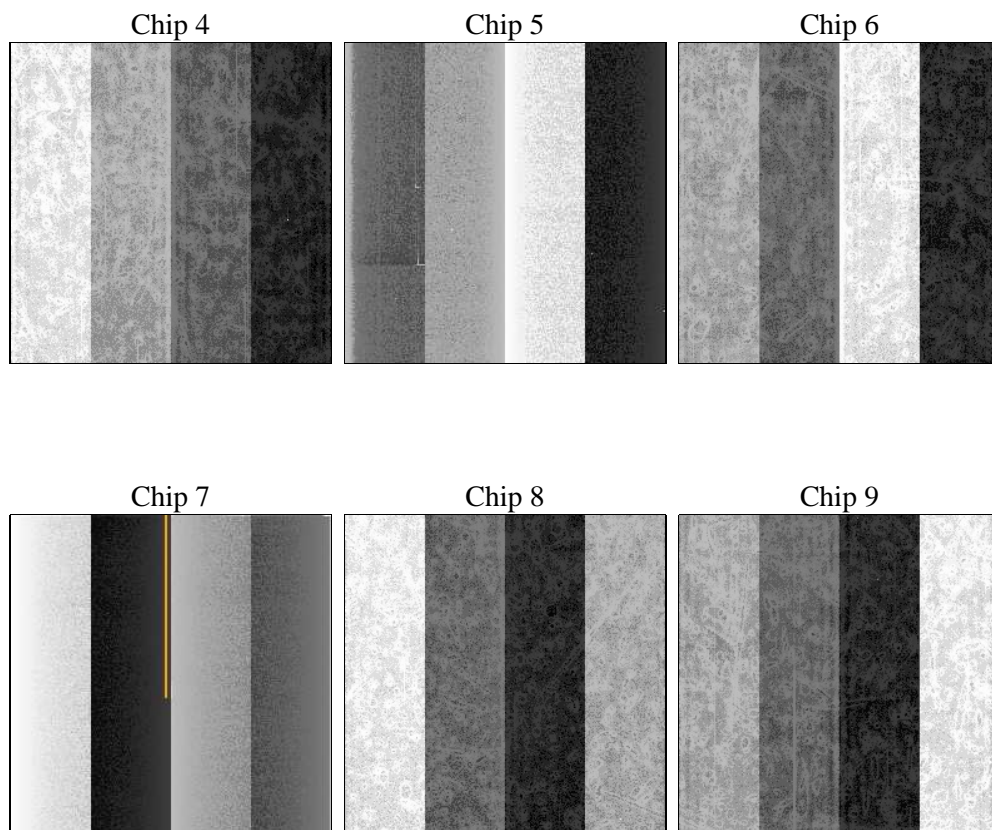
2 OBI

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	8283.637663722	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	8283.5145437121	Sum of GTIs [s]
date	2012-06-14T22:18:59	Date and time of file creation	ontime5	8283.5966237187	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8283.5555837154	Sum of GTIs [s]
			ontime7	8283.637663722	Sum of GTIs [s]
			ontime8	8280.2324929237	Sum of GTIs [s]
			ontime9	8283.6787037253	Sum of GTIs [s]
			l1events	661164	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	96713	134505	96260	123094	114567	96025	grade 0 events	21657	12393	21130	10759	24280	20740
rejected events	57554	58359	54879	55835	62765	55879		22%	9%	21%	8%	21%	21%
rejected %	59%	43%	57%	45%	54%	58%	grade 1 events	187	176	84	108	146	127
								0%	0%	0%	0%	0%	0%
							grade 2 events	6471	26120	7667	14652	9972	7258
								6%	19%	7%	11%	8%	7%
							grade 3 events	2854	2784	2701	5841	4071	2774
								2%	2%	2%	4%	3%	2%
							grade 4 events	2843	2745	2677	5810	3993	2740
								2%	2%	2%	4%	3%	2%
							grade 5 events	3532	7458	3431	8540	4579	3856
								3%	5%	3%	6%	3%	4%
							grade 6 events	5334	32104	7206	30197	9486	6634
								5%	23%	7%	24%	8%	6%
							grade 7 events	53835	50725	51364	47187	58040	51896
								55%	37%	53%	38%	50%	54%

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	250.4866717103798	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-2.525359441058898	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	209.3131314014998	[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)	456053230.34982	456053229.32482			
Observation start date	2012-06-14T09:27:10	2012-06-14T09:27:09			
[s] Observation end time (MET)	456063021.150341	456063020.12534			
Observation end date	2012-06-14T12:10:21	2012-06-14T12:10:20			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.283637663722

A.2 Comments