

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54557 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 11 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

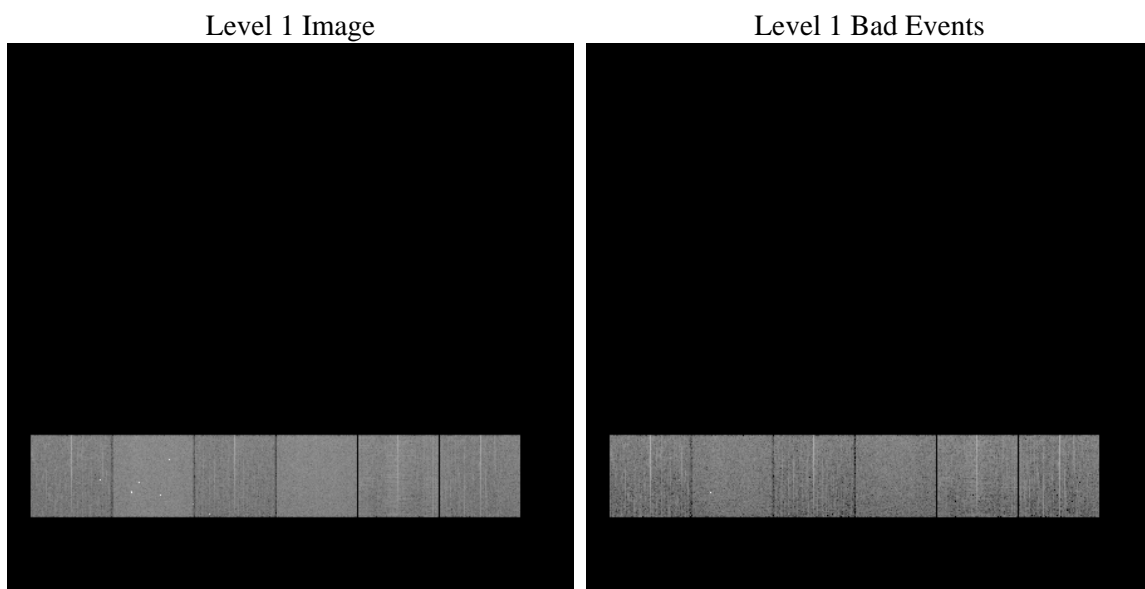
1 Front

seq_num	 	Sequence number
obs_id	54557	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	269.02798490034	Nominal RA [deg]
dec_nom	-49.977589243932	Nominal Dec [deg]
roll_nom	18.361568880968	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8254.4854350686	Sum of GTIs [s]
livetime	8149.9621702354	Livetime [s]
ontime4	8254.3623150587	Sum of GTIs [s]
ontime5	8254.4443950653	Sum of GTIs [s]
ontime6	8254.403355062	Sum of GTIs [s]
ontime7	8254.4854350686	Sum of GTIs [s]
ontime8	8254.3212750554	Sum of GTIs [s]
ontime9	8254.5264750719	Sum of GTIs [s]
l2events	279345	Number of level 2 events

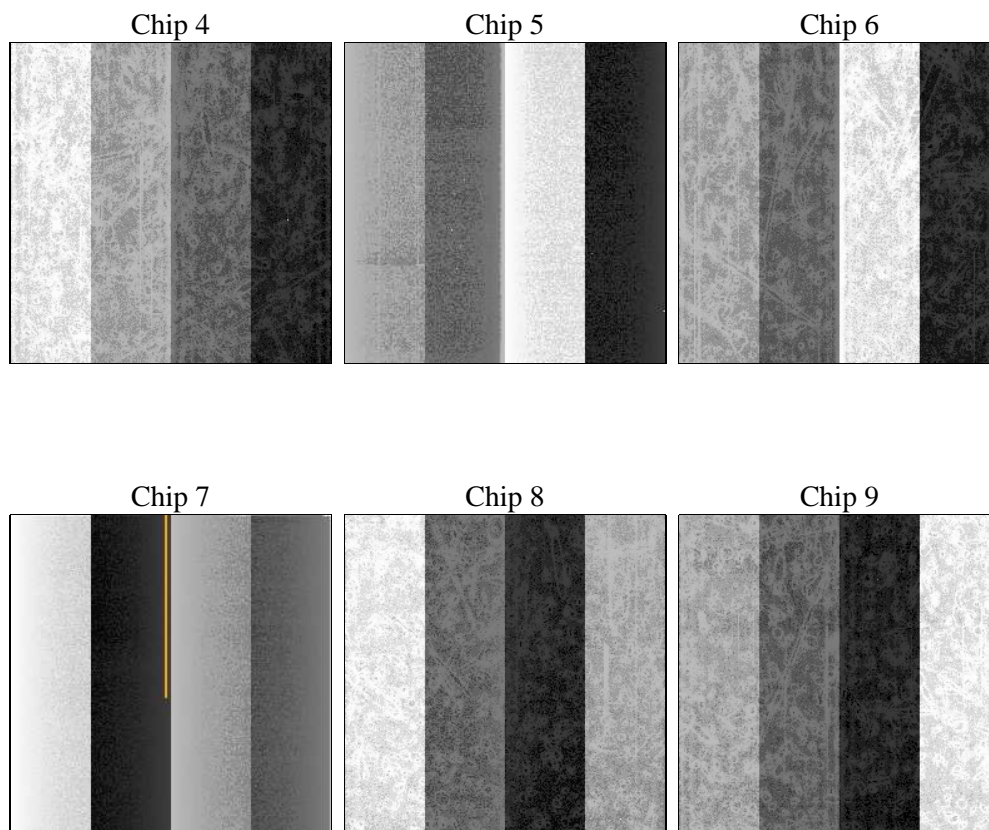
2 OBI

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	8254.4854350686	Sum of GTIs [s]
caldbver	4.4.10	 	ontime4	8254.3623150587	Sum of GTIs [s]
date	2012-06-11T23:24:35	Date and time of file creation	ontime5	8254.4443950653	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8254.403355062	Sum of GTIs [s]
			ontime7	8254.4854350686	Sum of GTIs [s]
			ontime8	8254.3212750554	Sum of GTIs [s]
			ontime9	8254.5264750719	Sum of GTIs [s]
			l1events	639725	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	93214	132126	91809	119217	110207	93152	grade 0 events	23505	12469	21139	10926	23841	20928
rejected events	52751	58020	50328	53294	59485	53109		25%	9%	23%	9%	21%	22%
rejected %	56%	43%	54%	44%	53%	57%	grade 1 events	187	157	110	90	125	138
								0%	0%	0%	0%	0%	0%
							grade 2 events	6318	24635	8097	14304	9938	7257
								6%	18%	8%	11%	9%	7%
							grade 3 events	2825	3305	2739	5869	3878	2750
								3%	2%	2%	4%	3%	2%
							grade 4 events	2765	2754	2640	5740	3705	2613
								2%	2%	2%	4%	3%	2%
							grade 5 events	3233	7791	3409	8237	4455	3825
								3%	5%	3%	6%	4%	4%
							grade 6 events	5174	31202	7020	29367	9587	6639
								5%	23%	7%	24%	8%	7%
							grade 7 events	49207	49813	46655	44684	54678	49002
								52%	37%	50%	37%	49%	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	269.0279849003423	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-49.97758924393164	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	18.36156888096753	[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)	455793632.686012	455793631.66101			
Observation start date	2012-06-11T09:20:33	2012-06-11T09:20:31			
[s] Observation end time (MET)	455803507.536538	455803506.51154			
Observation end date	2012-06-11T12:05:08	2012-06-11T12:05:06			
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)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2544854350686

A.2 Comments