

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54714 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 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

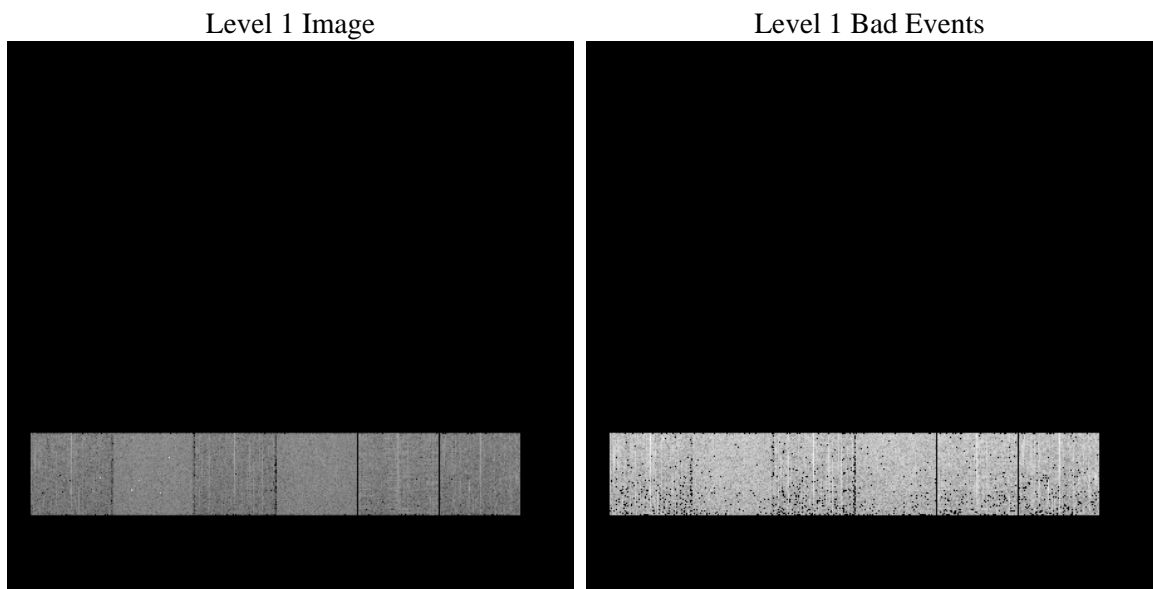
1 Front

seq_num	 	Sequence number
obs_id	54714	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	229.97486235724	Nominal RA [deg]
dec_nom	-0.97525128611306	Nominal Dec [deg]
roll_nom	105.2812614658	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3282.8504249454	Sum of GTIs [s]
livetime	3241.2809961695	Livetime [s]
ontime4	3282.7273049355	Sum of GTIs [s]
ontime5	3282.8093849421	Sum of GTIs [s]
ontime6	3282.7683449388	Sum of GTIs [s]
ontime7	3282.8504249454	Sum of GTIs [s]
ontime8	3282.6862649322	Sum of GTIs [s]
ontime9	3282.8914649487	Sum of GTIs [s]
l2events	114801	Number of level 2 events

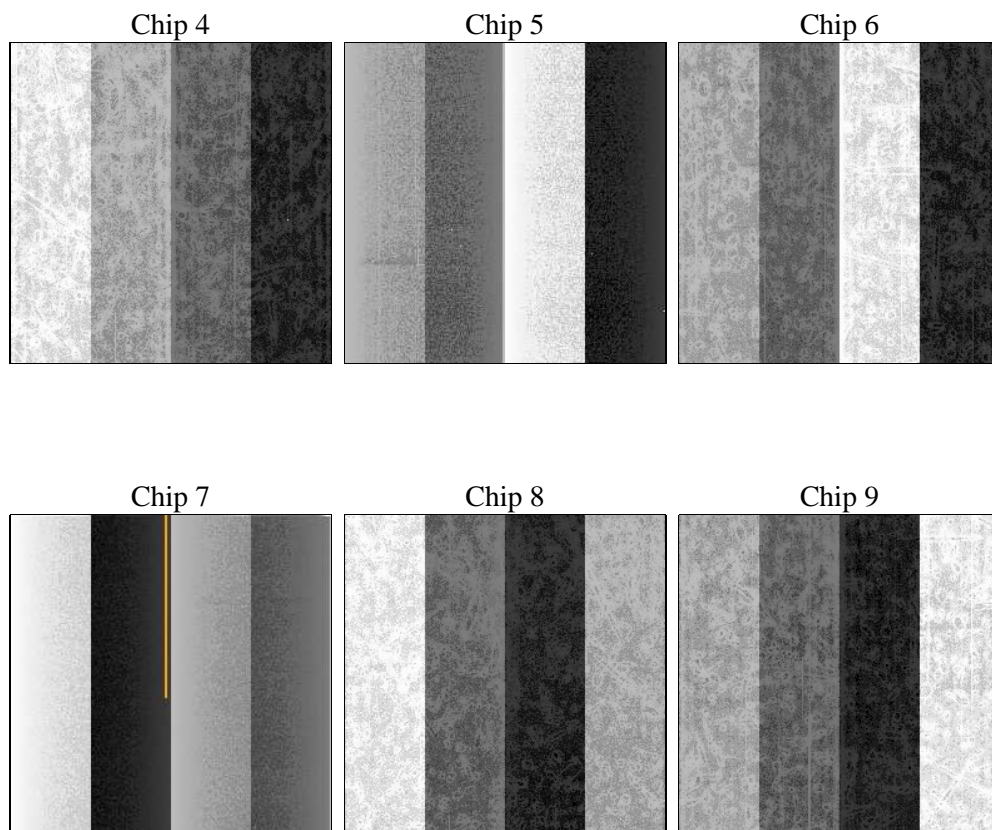
2 OBI

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	3282.8504249454	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	3282.7273049355	Sum of GTIs [s]
date	2012-04-12T05:41:29	Date and time of file creation	ontime5	3282.8093849421	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3282.7683449388	Sum of GTIs [s]
			ontime7	3282.8504249454	Sum of GTIs [s]
			ontime8	3282.6862649322	Sum of GTIs [s]
			ontime9	3282.8914649487	Sum of GTIs [s]
			l1events	261525	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	38990	51946	38284	49432	44557	38316	grade 0 events	9831	4254	8593	4498	9862	8496
rejected events	22295	22623	21412	22334	23454	21986		25%	8%	22%	9%	22%	22%
rejected %	57%	43%	55%	45%	52%	57%	grade 1 events	83	64	56	36	56	50
								0%	0%	0%	0%	0%	0%
							grade 2 events	2538	10086	3170	5834	4071	2950
								6%	19%	8%	11%	9%	7%
							grade 3 events	1073	1157	1131	2475	1681	1121
								2%	2%	2%	5%	3%	2%
							grade 4 events	1152	1124	1144	2393	1604	1059
								2%	2%	2%	4%	3%	2%
							grade 5 events	1283	2865	1369	3403	1835	1584
								3%	5%	3%	6%	4%	4%
							grade 6 events	2101	12702	2834	11898	3885	2704
								5%	24%	7%	24%	8%	7%
							grade 7 events	20929	19694	19987	18895	21563	20352
								53%	37%	52%	38%	48%	53%

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	229.9748623572366	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-0.9752512861130572	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	105.2812614658	[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)	450542818.785681	450542817.76068			
Observation start date	2012-04-11T14:46:59	2012-04-11T14:46:57			
[s] Observation end time (MET)	450553605.886253	450553604.86125			
Observation end date	2012-04-11T17:46:46	2012-04-11T17:46:44			
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)	2012.04.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2828504249454

A.2 Comments