

V&V Reference Report

L2 ASCDS Version : 10.2.2

Observation 52672 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 27 2014

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

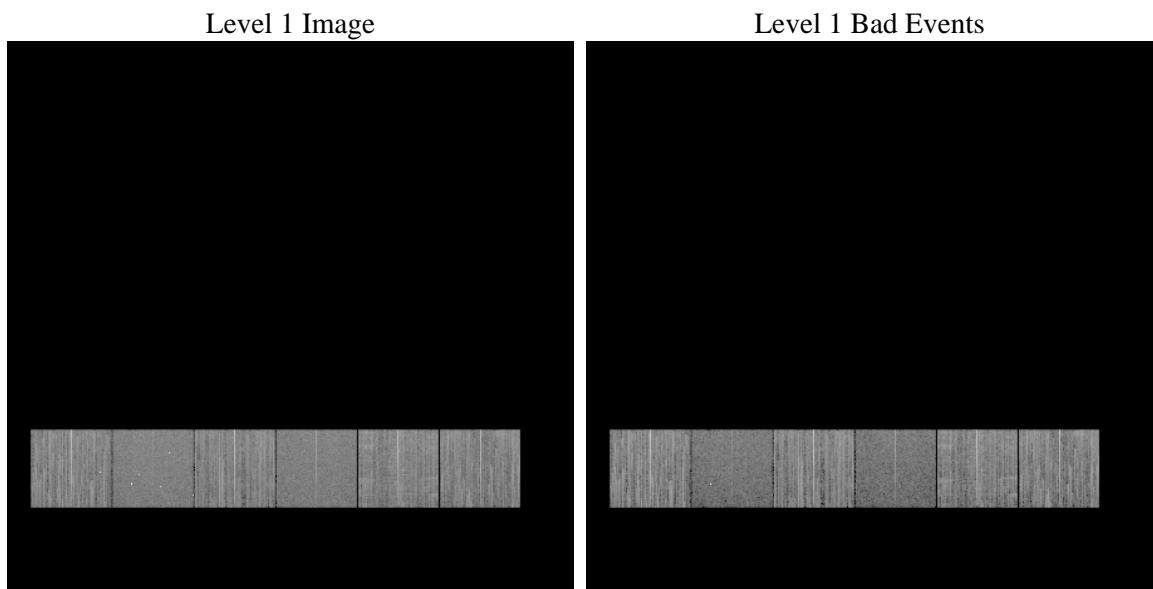
1 Front

seq_num	 	Sequence number
obs_id	52672	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	253.49446337711	Nominal RA [deg]
dec_nom	-3.6281688598438	Nominal Dec [deg]
roll_nom	226.07264517122	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8281.5999692082	Sum of GTIs [s]
livetime	8176.7333638173	Livetime [s]
ontime4	8168.1642229557	Sum of GTIs [s]
ontime5	8281.5999692082	Sum of GTIs [s]
ontime6	8200.5745645761	Sum of GTIs [s]
ontime7	8281.5999692082	Sum of GTIs [s]
ontime8	8197.332929194	Sum of GTIs [s]
ontime9	8194.0919088125	Sum of GTIs [s]
l2events	195357	Number of level 2 events

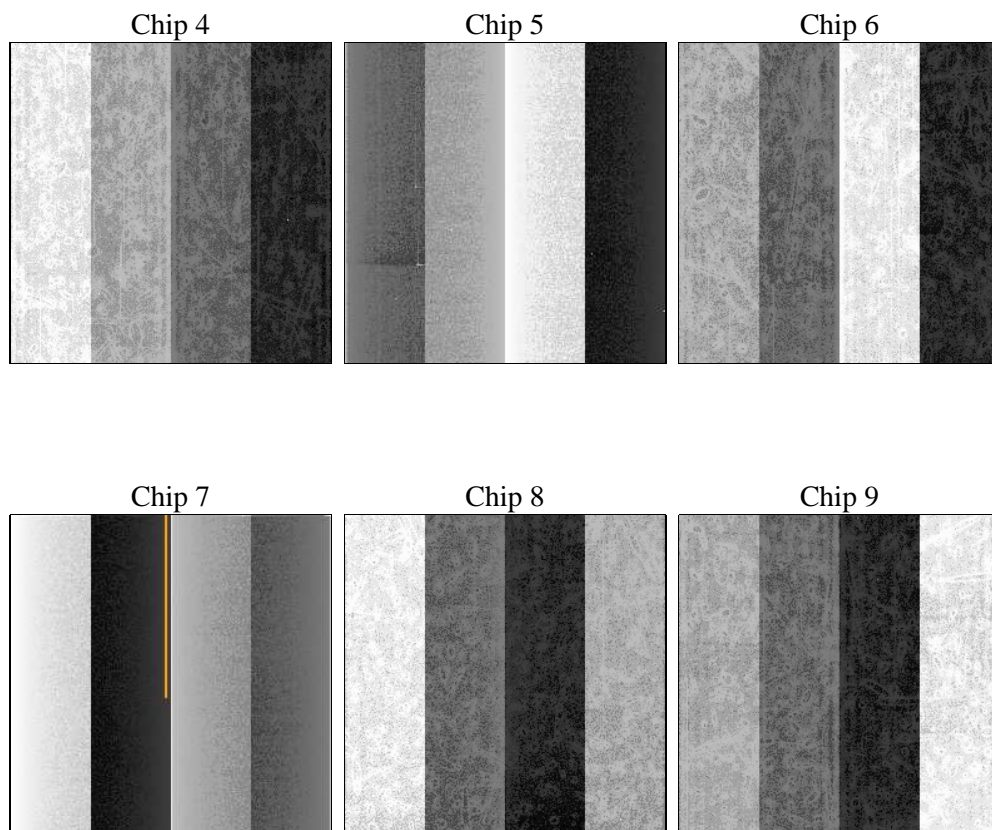
2 OBI

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	10.2.2	Processing system revision	ontime	8281.5999692082	Sum of GTIs [s]
caldsver	4.6.1	 	ontime4	8168.1642229557	Sum of GTIs [s]
date	2014-06-28T01:36:25	Date and time of file creation	ontime5	8281.5999692082	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8200.5745645761	Sum of GTIs [s]
			ontime7	8281.5999692082	Sum of GTIs [s]
			ontime8	8197.332929194	Sum of GTIs [s]
			ontime9	8194.0919088125	Sum of GTIs [s]
			l1events	804471	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	147520	124531	141582	112100	142767	135971	grade 0 events	15381	7863	13166	6989	15410	12596
rejected events	120007	68453	114885	62271	108122	110245		10%	6%	9%	6%	10%	9%
rejected %	81%	54%	81%	55%	75%	81%	grade 1 events	107	184	79	71	67	78
								0%	0%	0%	0%	0%	0%
							grade 2 events	5070	19994	5298	12270	7207	5187
								3%	16%	3%	10%	5%	3%
							grade 3 events	1823	1886	1787	4069	2727	1835
								1%	1%	1%	3%	1%	1%
							grade 4 events	1798	1831	1754	3935	2545	1742
								1%	1%	1%	3%	1%	1%
							grade 5 events	2899	5709	2871	7063	3732	3336
								1%	4%	2%	6%	2%	2%
							grade 6 events	3455	24535	4702	22588	6766	4375
								2%	19%	3%	20%	4%	3%
							grade 7 events	116987	62529	111925	55115	104313	106822
								79%	50%	79%	49%	73%	78%

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	253.4944633771106	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-3.628168859843754	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	226.0726451712209	[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)	520268052.940091	520268051.91509			
Observation start date	2014-06-27T14:54:13	2014-06-27T14:54:11			
[s] Observation end time (MET)	520278052.840645	520278051.81564			
Observation end date	2014-06-27T17:40:53	2014-06-27T17:40:51			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2815999692082

A.2 Comments