

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 52268 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 8 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

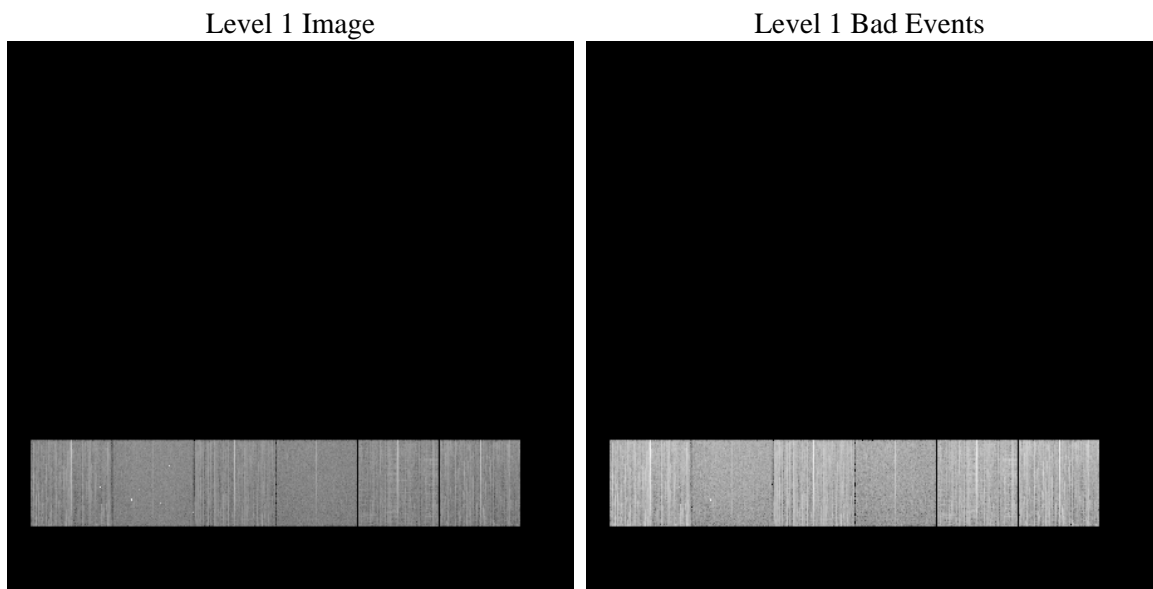
1 Front

seq_num	 	Sequence number
obs_id	52268	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	98.996248338593	Nominal RA [deg]
dec_nom	13.328594190138	Nominal Dec [deg]
roll_nom	64.552000081651	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8034.6180553436	Sum of GTIs [s]
livetime	7932.8788836607	Livetime [s]
ontime4	8034.4949353337	Sum of GTIs [s]
ontime5	8034.5770153403	Sum of GTIs [s]
ontime6	8034.535975337	Sum of GTIs [s]
ontime7	8034.6180553436	Sum of GTIs [s]
ontime8	8034.4538953304	Sum of GTIs [s]
ontime9	8034.6590953469	Sum of GTIs [s]
l2events	184462	Number of level 2 events

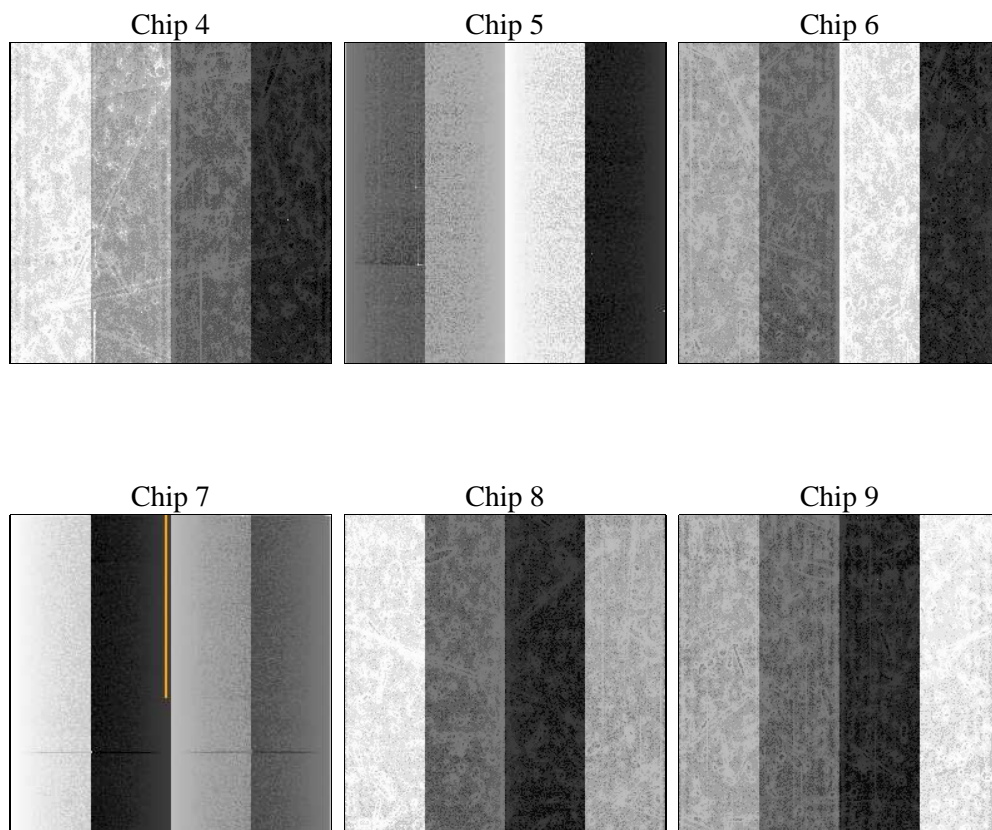
2 OBI

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	10.3.1	Processing system revision	ontime	8034.6180553436	Sum of GTIs [s]
caldsver	4.6.4	 	ontime4	8034.4949353337	Sum of GTIs [s]
date	2014-12-09T04:03:32	Date and time of file creation	ontime5	8034.5770153403	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8034.535975337	Sum of GTIs [s]
			ontime7	8034.6180553436	Sum of GTIs [s]
			ontime8	8034.4538953304	Sum of GTIs [s]
			ontime9	8034.6590953469	Sum of GTIs [s]
			l1events	801712	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	146229	123038	140559	110660	143641	137585	grade 0 events	14599	7168	12110	6531	14547	12088
rejected events	120815	68624	116289	63377	110959	113714		9%	5%	8%	5%	10%	8%
rejected %	82%	55%	82%	57%	77%	82%	grade 1 events	95	128	72	87	92	62
								0%	0%	0%	0%	0%	0%
							grade 2 events	4765	20195	5154	12020	7009	4930
								3%	16%	3%	10%	4%	3%
							grade 3 events	1773	2159	1662	3815	2654	1749
								1%	1%	1%	3%	1%	1%
							grade 4 events	1725	1833	1644	3880	2546	1669
								1%	1%	1%	3%	1%	1%
							grade 5 events	2931	5707	2974	6998	3889	3268
								2%	4%	2%	6%	2%	2%
							grade 6 events	3413	24691	4442	22559	6997	4212
								2%	20%	3%	20%	4%	3%
							grade 7 events	116928	61157	112501	54770	105907	109607
								79%	49%	80%	49%	73%	79%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	98.99624833859302
[deg] Pointing Dec	0	13.32859419013822
[deg] Pointing Roll	0.0	64.55200008165106
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	534399003.024671	534399003.024671
Observation start date	2014-12-08T04:10:03	2014-12-08T04:10:03
[s] Observation end time (MET)	534408549.977412	534408549.977412
Observation end date	2014-12-08T06:49:10	2014-12-08T06:49:09
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.12.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0346180553436

A.2 Comments