

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52649 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 11 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

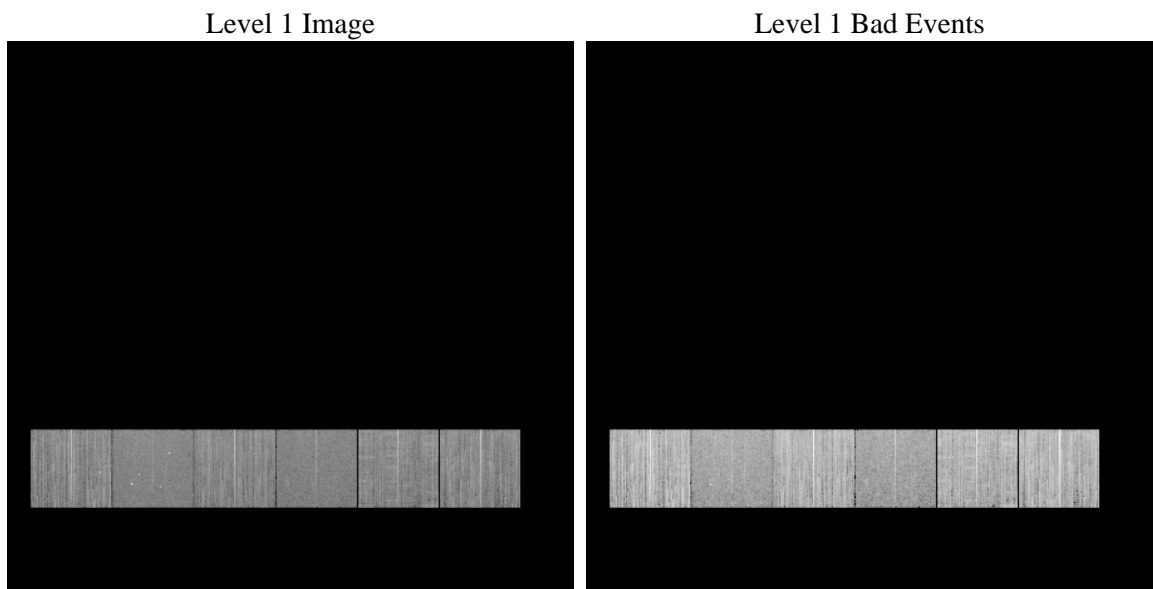
1 Front

seq_num	 	Sequence number
obs_id	52649	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	134.58095139567	Nominal RA [deg]
dec_nom	-20.873499860524	Nominal Dec [deg]
roll_nom	211.24488680056	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8277.9342595935	Sum of GTIs [s]
livetime	8173.1140716249	Livetime [s]
ontime4	8277.8111395836	Sum of GTIs [s]
ontime5	8277.8932195902	Sum of GTIs [s]
ontime6	8277.8521795869	Sum of GTIs [s]
ontime7	8277.9342595935	Sum of GTIs [s]
ontime8	8277.7700995803	Sum of GTIs [s]
ontime9	8277.9752995968	Sum of GTIs [s]
l2events	202582	Number of level 2 events

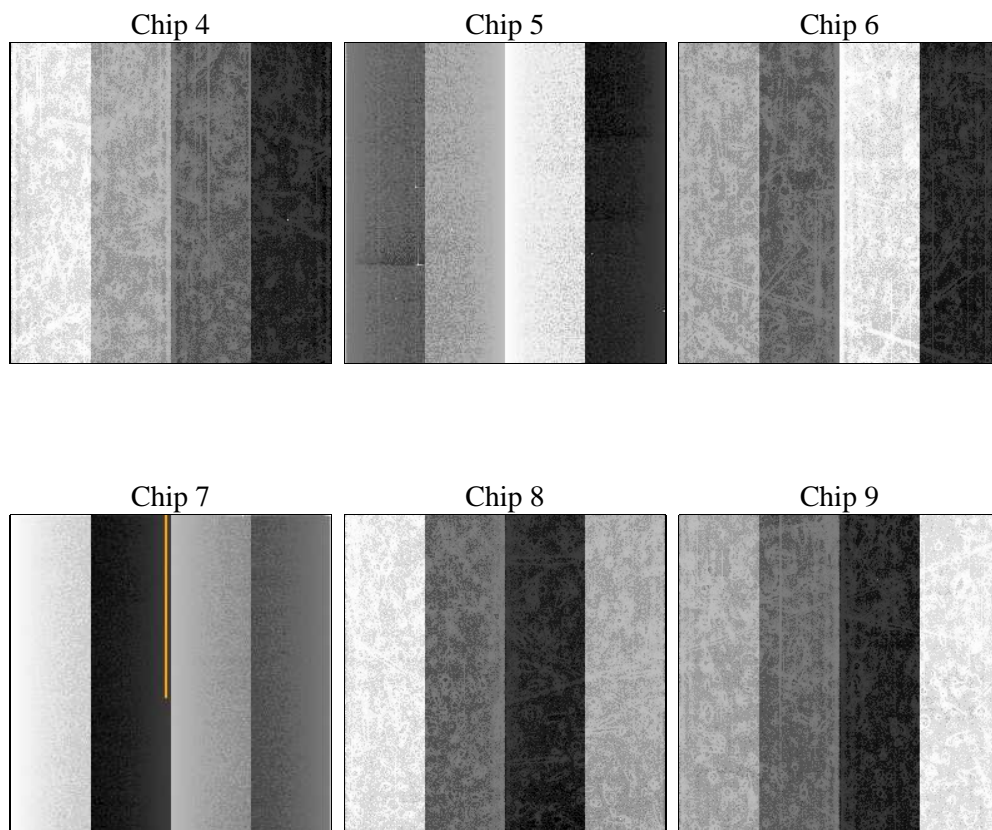
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	8277.9342595935	Sum of GTIs [s]
caldbver	4.6.2	 	ontime4	8277.8111395836	Sum of GTIs [s]
date	2014-07-11T07:36:53	Date and time of file creation	ontime5	8277.8932195902	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8277.8521795869	Sum of GTIs [s]
			ontime7	8277.9342595935	Sum of GTIs [s]
			ontime8	8277.7700995803	Sum of GTIs [s]
			ontime9	8277.9752995968	Sum of GTIs [s]
			l1events	847077	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	155585	127792	145928	114536	150332	152904	grade 0 events	15843	8400	13486	7159	16043	13110
rejected events	127120	69235	118127	63238	113363	126166		10%	6%	9%	6%	10%	8%
rejected %	81%	54%	80%	55%	75%	82%	grade 1 events	111	491	72	80	86	73
								0%	0%	0%	0%	0%	0%
							grade 2 events	5127	20574	5685	12767	7601	5294
								3%	16%	3%	11%	5%	3%
							grade 3 events	1888	2021	1861	4145	2994	1902
								1%	1%	1%	3%	1%	1%
							grade 4 events	1863	2022	1804	4052	2771	1794
								1%	1%	1%	3%	1%	1%
							grade 5 events	3045	5927	3126	7276	3952	3354
								1%	4%	2%	6%	2%	2%
							grade 6 events	3761	25561	4978	23201	7595	4649
								2%	20%	3%	20%	5%	3%
							grade 7 events	123947	62796	114916	55856	109290	122728
								79%	49%	78%	48%	72%	80%

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	134.5809513956692
[deg] Pointing Dec	0	-20.87349986052441
[deg] Pointing Roll	0.0	211.2448868005553
[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)	521373960.351305	521373959.3263
Observation start date	2014-07-10T10:06:00	2014-07-10T10:05:59
[s] Observation end time (MET)	521384622.401895	521384621.3769
Observation end date	2014-07-10T13:03:42	2014-07-10T13:03:41
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2014.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2779342595935

A.2 Comments