

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51564 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 14 2015

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

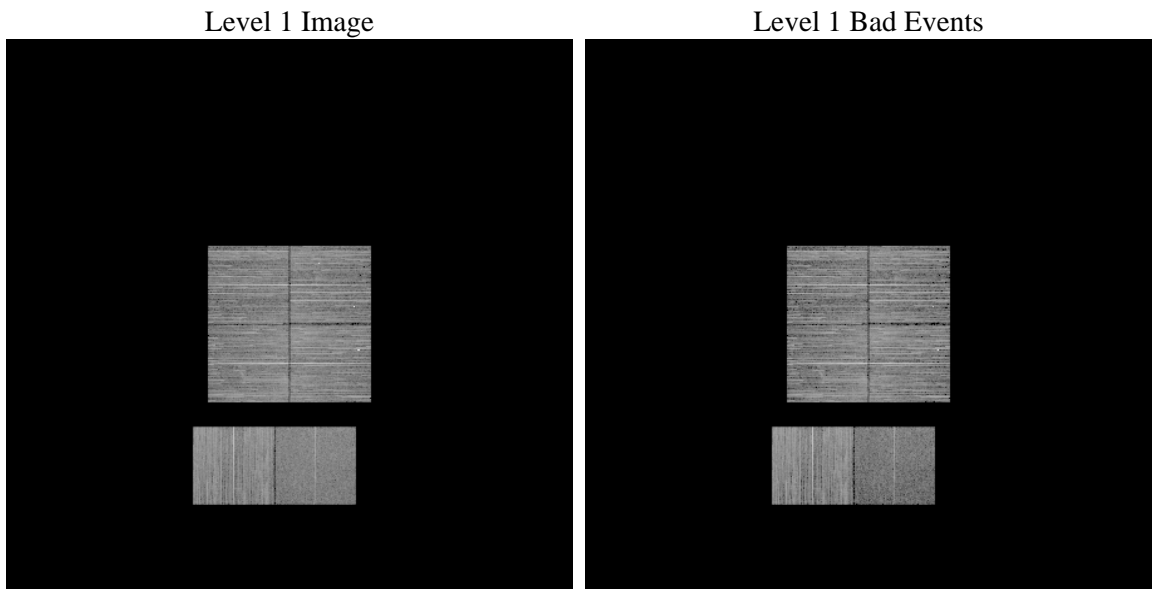
1 Front

seq_num	 	Sequence number
obs_id	51564	Observation id
title	ACIS-012367 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	358.99474787723	Nominal RA [deg]
dec_nom	26.971071774056	Nominal Dec [deg]
roll_nom	227.83385048941	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5781.482155323	Sum of GTIs [s]
livetime	5708.2735470817	Livetime [s]
ontime0	5781.4411152601	Sum of GTIs [s]
ontime1	5781.4000753164	Sum of GTIs [s]
ontime2	5781.3590352535	Sum of GTIs [s]
ontime3	5781.5231952667	Sum of GTIs [s]
ontime6	5781.3179953098	Sum of GTIs [s]
ontime7	5781.482155323	Sum of GTIs [s]
l2events	98933	Number of level 2 events

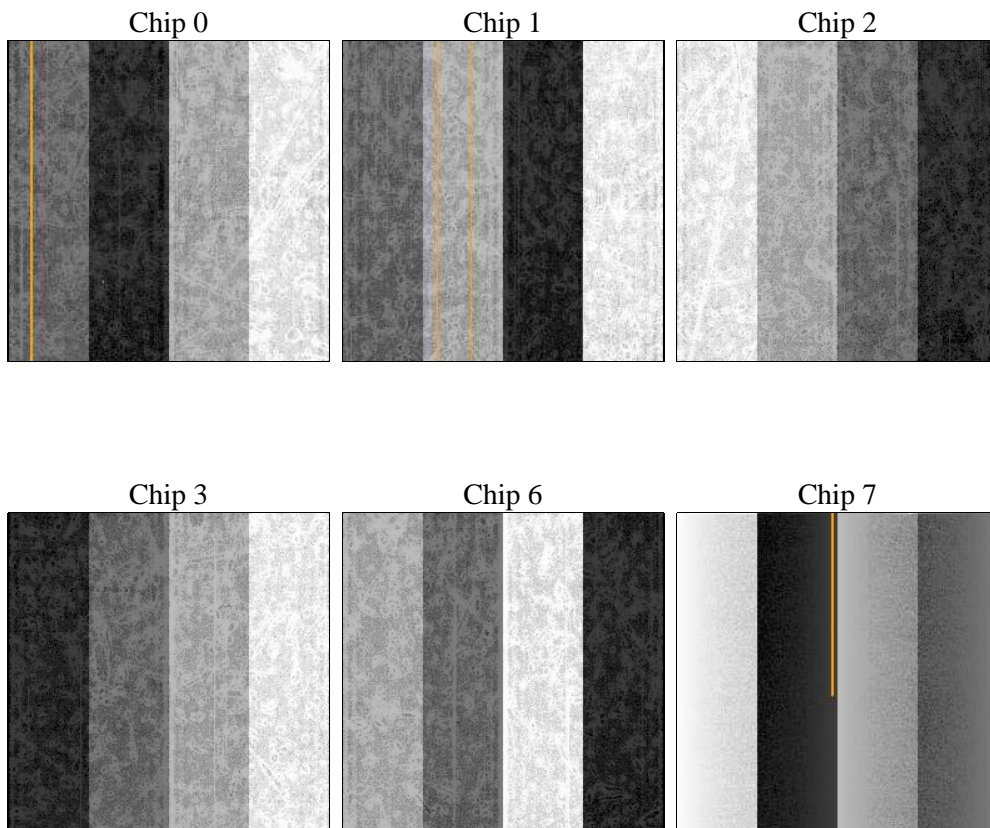
2 OBI

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	10.4.2.1	Processing system revision	ontime	5781.482155323	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	5781.4411152601	Sum of GTIs [s]
date	2015-10-14T18:20:03	Date and time of file creation	ontime1	5781.4000753164	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5781.3590352535	Sum of GTIs [s]
			ontime3	5781.5231952667	Sum of GTIs [s]
			ontime6	5781.3179953098	Sum of GTIs [s]
			ontime7	5781.482155323	Sum of GTIs [s]
			l1events	615776	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	96500	102191	104726	112648	117158	82553	grade 0 events	6618	6679	7139	7934	6338	3524
rejected events	82241	85758	90196	97342	102328	50183		6%	6%	6%	7%	5%	4%
rejected %	85%	83%	86%	86%	87%	60%	grade 1 events	41	30	39	1521	31	72
								0%	0%	0%	1%	0%	0%
							grade 2 events	3255	5110	3160	2990	3822	8099
								3%	5%	3%	2%	3%	9%
							grade 3 events	962	965	1053	1018	925	2268
								0%	0%	1%	0%	0%	2%
							grade 4 events	1006	953	982	1027	874	2291
								1%	0%	0%	0%	0%	2%
							grade 5 events	1978	1843	1844	2170	2029	4905
								2%	1%	1%	1%	1%	5%
							grade 6 events	2449	2763	2220	2368	2903	16271
								2%	2%	2%	2%	2%	19%
							grade 7 events	80191	83848	88289	93620	100236	45123
								83%	82%	84%	83%	85%	54%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	358.9947478772345
[deg] Pointing Dec	0	26.97107177405557
[deg] Pointing Roll	0.0	227.8338504894128
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	561170570.315889	561170569.29089
Observation start date	2015-10-14T00:42:50	2015-10-14T00:42:49
[s] Observation end time (MET)	561178999.916366	561178998.8913701
Observation end date	2015-10-14T03:03:20	2015-10-14T03:03:18
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.10.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.781482155323

A.2 Comments