

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51571 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 11 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

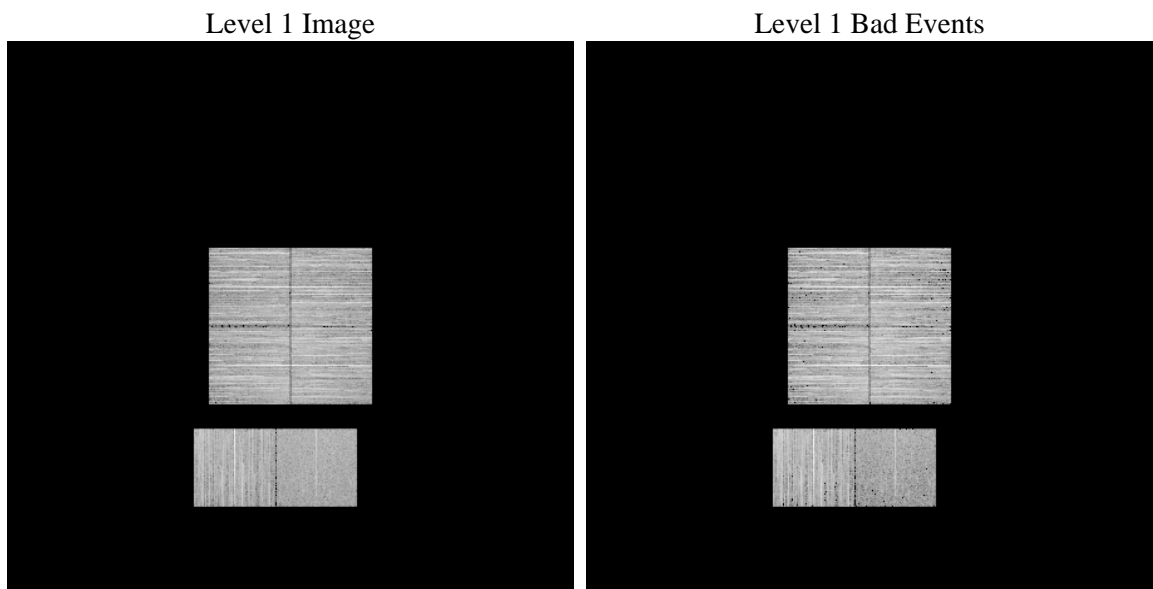
1 Front

seq_num	 	Sequence number
obs_id	51571	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	39.470489642504	Nominal RA [deg]
dec_nom	13.925234982011	Nominal Dec [deg]
roll_nom	104.76631936816	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4760.6489975452	Sum of GTIs [s]
livetime	4700.3667934196	Livetime [s]
ontime0	4760.6079574823	Sum of GTIs [s]
ontime1	4757.3258571625	Sum of GTIs [s]
ontime2	4760.5258774757	Sum of GTIs [s]
ontime3	4760.6900374889	Sum of GTIs [s]
ontime6	4760.484837532	Sum of GTIs [s]
ontime7	4760.6489975452	Sum of GTIs [s]
l2events	84512	Number of level 2 events

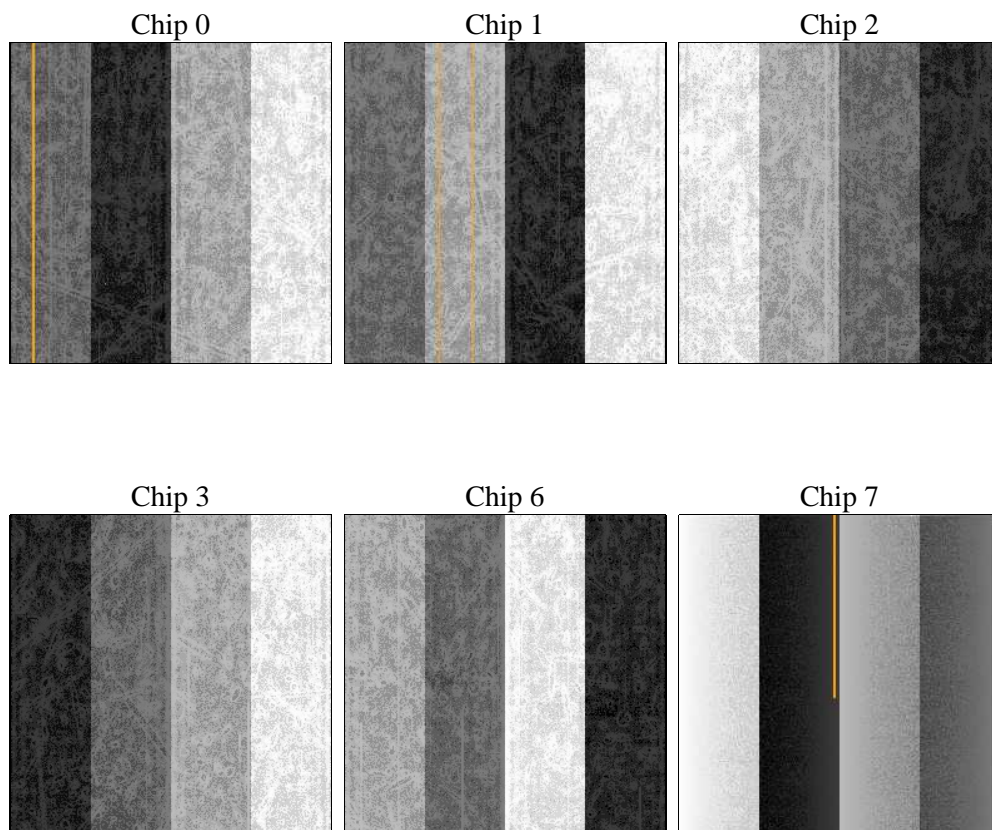
2 OBI

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	4760.6489975452	Sum of GTIs [s]
caldbver	4.6.10a	 	ontime0	4760.6079574823	Sum of GTIs [s]
date	2015-10-11T05:55:29	Date and time of file creation	ontime1	4757.3258571625	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4760.5258774757	Sum of GTIs [s]
			ontime3	4760.6900374889	Sum of GTIs [s]
			ontime6	4760.484837532	Sum of GTIs [s]
			ontime7	4760.6489975452	Sum of GTIs [s]
			l1events	535636	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	89519	90773	95328	100508	88757	70751	grade 0 events	6058	5706	6342	6295	5819	3339
rejected events	77163	78390	82960	88052	75952	42960		6%	6%	6%	6%	6%	4%
rejected %	86%	86%	87%	87%	85%	60%	grade 1 events	45	28	34	39	41	60
								0%	0%	0%	0%	0%	0%
							grade 2 events	2909	3097	2685	2574	3229	7161
								3%	3%	2%	2%	3%	10%
							grade 3 events	895	871	930	968	866	2107
								0%	0%	0%	0%	0%	2%
							grade 4 events	897	866	861	919	858	2160
								1%	0%	0%	0%	0%	3%
							grade 5 events	1658	1749	1539	1928	1804	4330
								1%	1%	1%	1%	2%	6%
							grade 6 events	2126	2354	2038	2190	2532	14106
								2%	2%	2%	2%	2%	19%
							grade 7 events	74931	76102	80899	85595	73608	37488
								83%	83%	84%	85%	82%	52%

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	39.47048964250403
[deg] Pointing Dec	0	13.92523498201107
[deg] Pointing Roll	0.0	104.7663193681598
SIM focus pos (mm)	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	560903055.550751	560903055.550751
Observation start date	2015-10-10T22:24:16	2015-10-10T22:24:15
[s] Observation end time (MET)	560909290.3205841	560909290.3205841
Observation end date	2015-10-11T00:08:10	2015-10-11T00:08:10
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)	2015.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.7606489975452

A.2 Comments