

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 52031 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 6 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

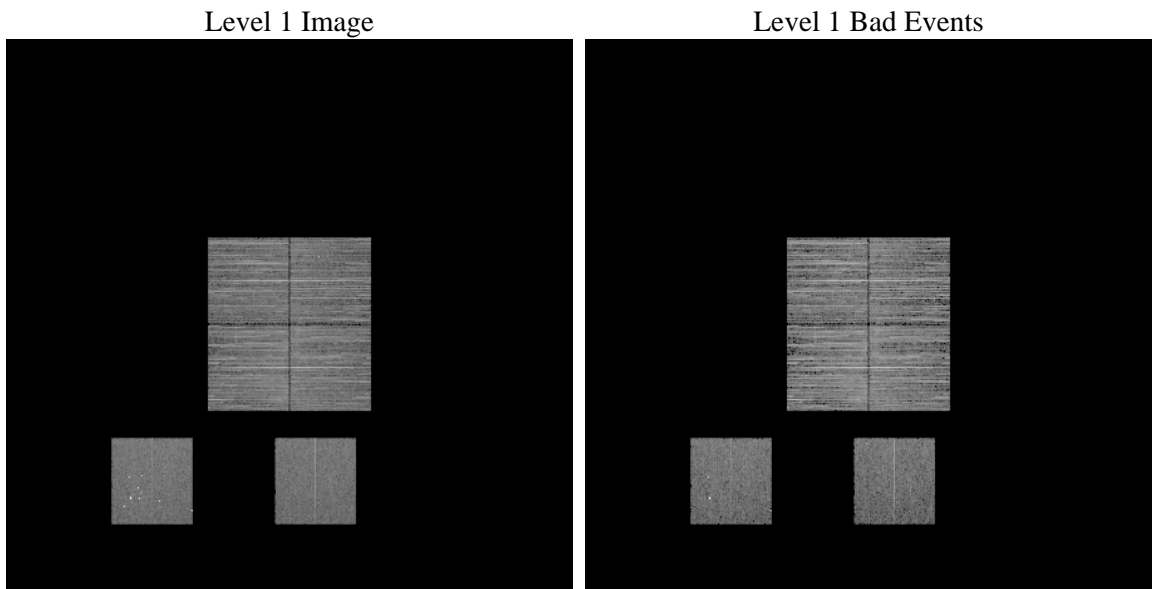
1 Front

seq_num	 	Sequence number
obs_id	52031	Observation id
title	ACIS-012357 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	182.96447322928	Nominal RA [deg]
dec_nom	25.006629012436	Nominal Dec [deg]
roll_nom	136.61478612843	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5129.2661459446	Sum of GTIs [s]
livetime	5064.3162895314	Livetime [s]
ontime0	5006.0641696453	Sum of GTIs [s]
ontime1	5018.9873102903	Sum of GTIs [s]
ontime2	5015.7051895857	Sum of GTIs [s]
ontime3	5028.8335704803	Sum of GTIs [s]
ontime5	5129.1019859314	Sum of GTIs [s]
ontime7	5129.2661459446	Sum of GTIs [s]
l2events	134190	Number of level 2 events

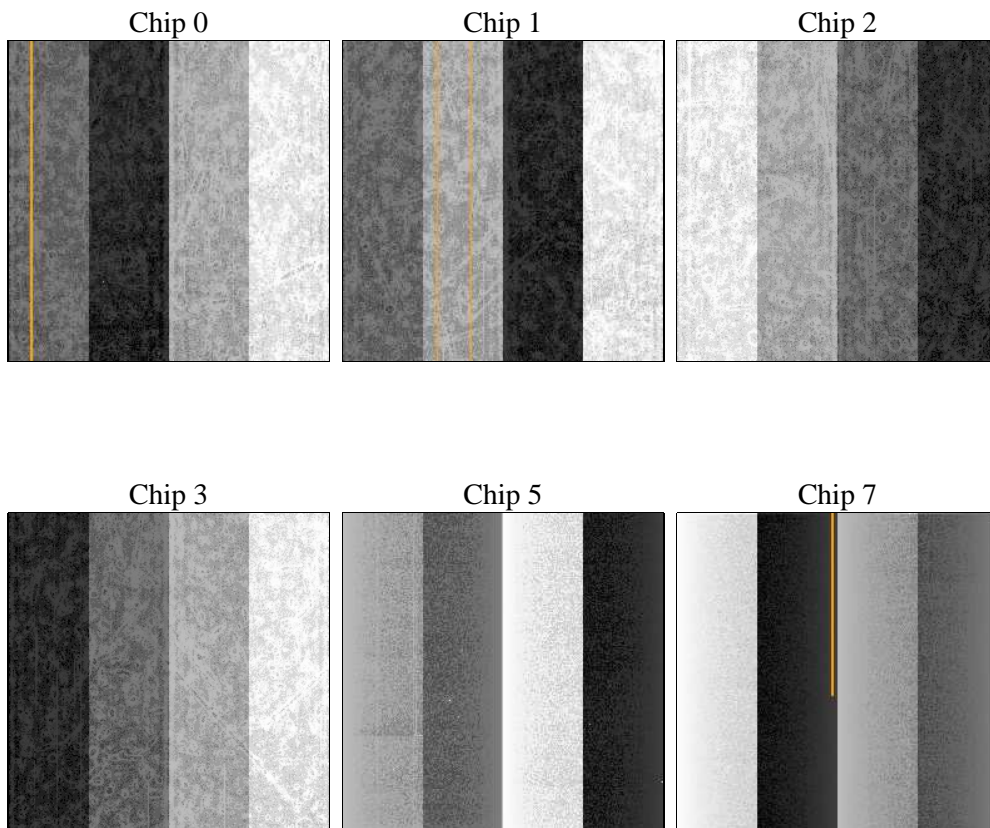
2 OBI

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	10.3.3	Processing system revision	ontime	5129.2661459446	Sum of GTIs [s]
caldbver	4.6.7	 	ontime0	5006.0641696453	Sum of GTIs [s]
date	2015-03-06T12:55:18	Date and time of file creation	ontime1	5018.9873102903	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5015.7051895857	Sum of GTIs [s]
			ontime3	5028.8335704803	Sum of GTIs [s]
			ontime5	5129.1019859314	Sum of GTIs [s]
			ontime7	5129.2661459446	Sum of GTIs [s]
			l1events	544318	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	91788	88593	103263	96027	89753	74894	grade 0 events	8441	8034	8996	8901	8867	4294
rejected events	73300	69257	84512	77073	46139	42262		9%	9%	8%	9%	9%	5%
rejected %	79%	78%	81%	80%	51%	56%	grade 1 events	47	47	55	42	126	45
								0%	0%	0%	0%	0%	0%
							grade 2 events	4355	5380	4169	4180	14203	8365
								4%	6%	4%	4%	15%	11%
							grade 3 events	1123	1031	1131	1204	1264	2206
								1%	1%	1%	1%	1%	2%
							grade 4 events	1161	1054	1205	1220	1005	2094
								1%	1%	1%	1%	1%	2%
							grade 5 events	1568	1477	1479	1782	3566	3935
								1%	1%	1%	1%	3%	5%
							grade 6 events	3408	3837	3250	3449	18275	15673
								3%	4%	3%	3%	20%	20%
							grade 7 events	71685	67733	82978	75249	42447	38282
								78%	76%	80%	78%	47%	51%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	182.9644732292806	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	25.00662901243619	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	136.6147861284339	[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)	541976004.347737	541976003.32274			
Observation start date	2015-03-05T20:53:24	2015-03-05T20:53:23			
[s] Observation end time (MET)	541984569.248216	541984568.22322			
Observation end date	2015-03-05T23:16:09	2015-03-05T23:16:08			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.03.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1292661459446

A.2 Comments