

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 52259 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 14 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

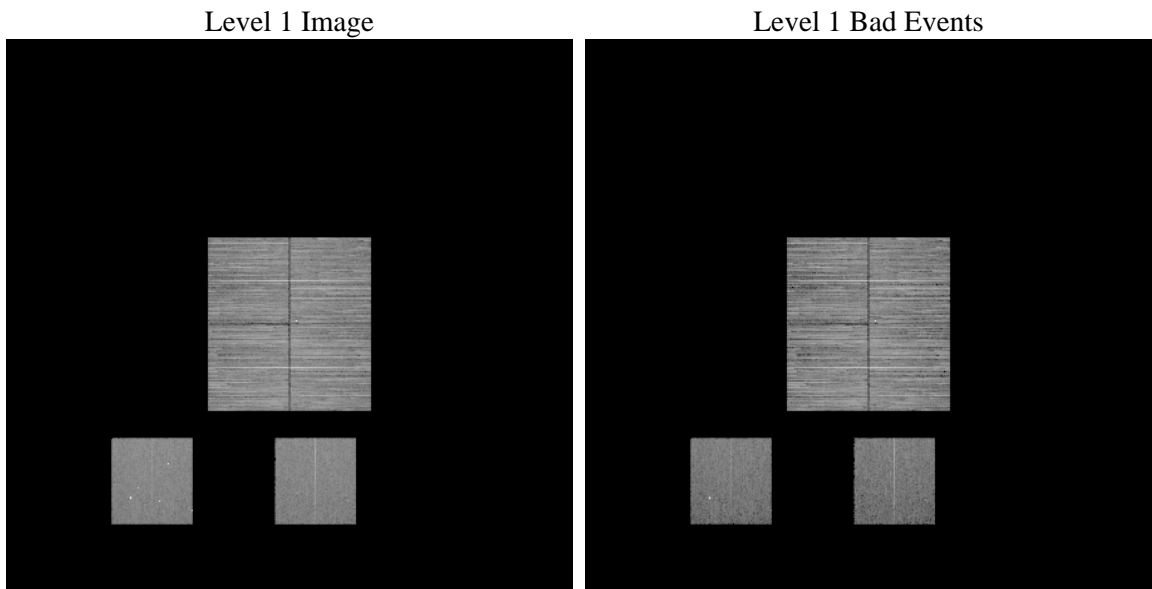
1 Front

seq_num	 	Sequence number
obs_id	52259	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	95.961013661967	Nominal RA [deg]
dec_nom	44.001225218727	Nominal Dec [deg]
roll_nom	143.3679620413	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8284.7733464241	Sum of GTIs [s]
livetime	8179.8665578201	Livetime [s]
ontime0	8284.7323064208	Sum of GTIs [s]
ontime1	8284.6912664175	Sum of GTIs [s]
ontime2	8284.6502264142	Sum of GTIs [s]
ontime3	8284.7999691963	Sum of GTIs [s]
ontime5	8284.6091864109	Sum of GTIs [s]
ontime7	8284.7733464241	Sum of GTIs [s]
l2events	189851	Number of level 2 events

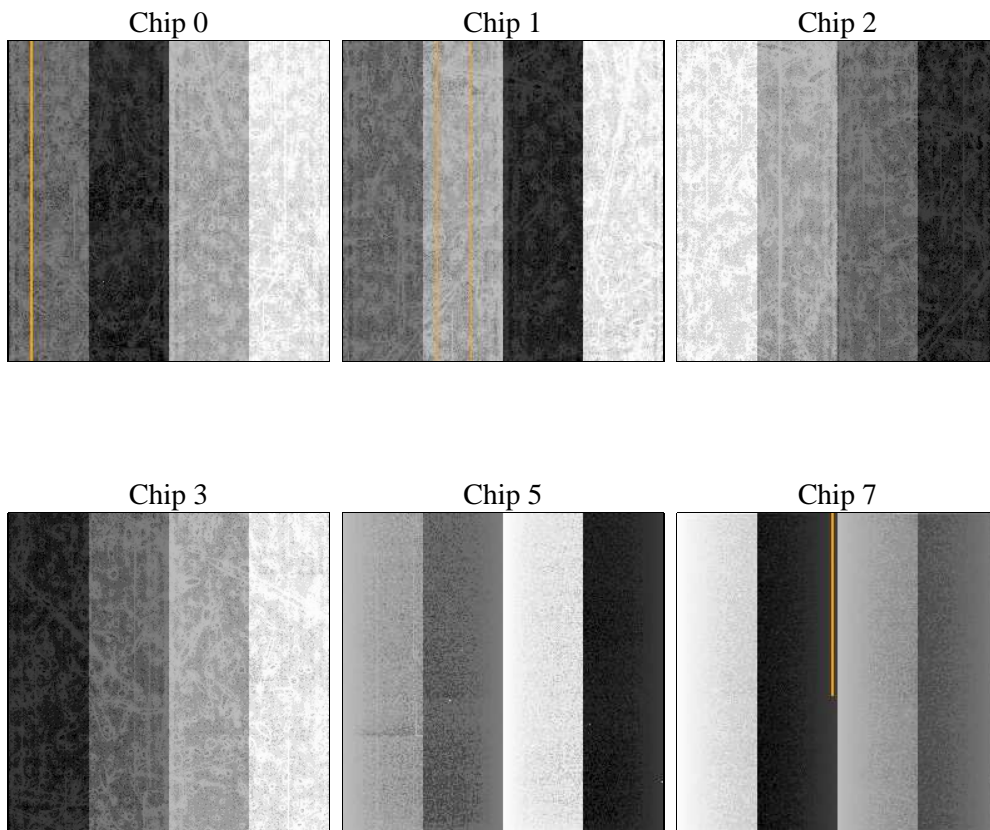
2 OBI

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	10.3.1	Processing system revision	ontime	8284.7733464241	Sum of GTIs [s]
caldbver	4.6.4	 	ontime0	8284.7323064208	Sum of GTIs [s]
date	2014-12-14T05:36:58	Date and time of file creation	ontime1	8284.6912664175	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8284.6502264142	Sum of GTIs [s]
			ontime3	8284.7999691963	Sum of GTIs [s]
			ontime5	8284.6091864109	Sum of GTIs [s]
			ontime7	8284.7733464241	Sum of GTIs [s]
			l1events	878806	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	146166	151781	168552	163511	131049	117747	grade 0 events	11842	11425	12153	12059	9075	6389
rejected events	122278	127716	144500	139518	71899	67703		8%	7%	7%	7%	6%	5%
rejected %	83%	84%	85%	85%	54%	57%	grade 1 events	71	2140	74	72	173	94
								0%	1%	0%	0%	0%	0%
							grade 2 events	4845	5234	4700	4738	20338	12302
								3%	3%	2%	2%	15%	10%
							grade 3 events	1632	1642	1719	1697	1919	4178
								1%	1%	1%	1%	1%	3%
							grade 4 events	1701	1629	1761	1730	1912	4072
								1%	1%	1%	1%	1%	3%
							grade 5 events	2908	2991	2824	3187	5997	7552
								1%	1%	1%	1%	4%	6%
							grade 6 events	3871	4144	3725	3775	25927	23125
								2%	2%	2%	2%	19%	19%
							grade 7 events	119296	122576	141596	136253	65708	60035
								81%	80%	84%	83%	50%	50%

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	95.9610136619671	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	44.00122521872655	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	143.3679620413038	[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)	534854691.400118	534854690.37512			
Observation start date	2014-12-13T10:44:51	2014-12-13T10:44:50			
[s] Observation end time (MET)	534878840.401465	534878839.37646			
Observation end date	2014-12-13T17:27:20	2014-12-13T17:27:19			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2847733464241

A.2 Comments