

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53163 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 14 2013

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

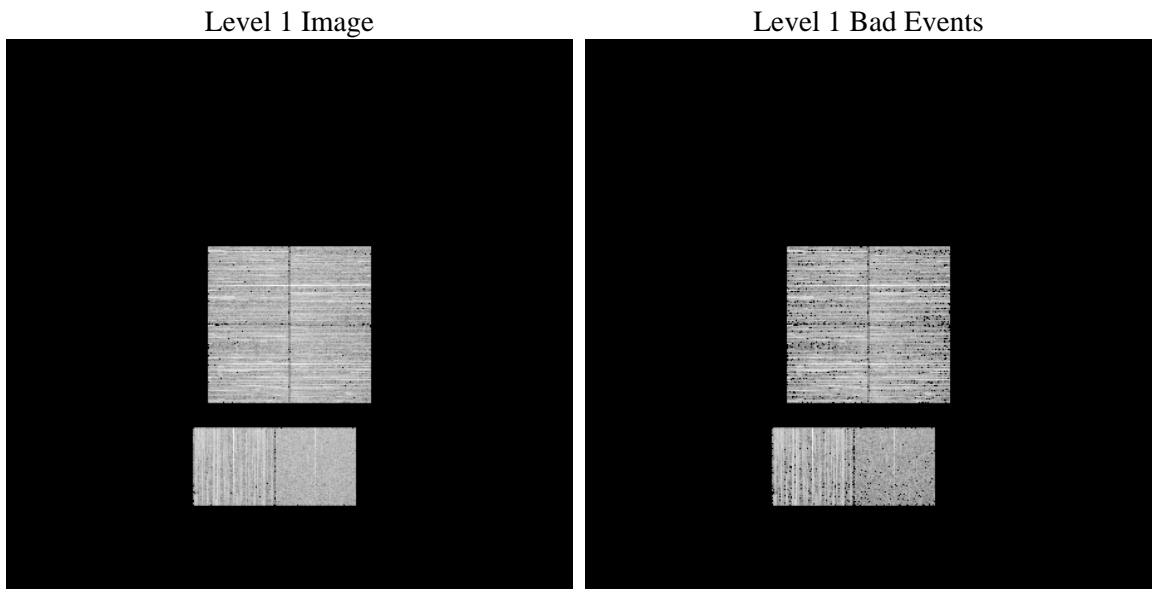
1 Front

seq_num	 	Sequence number
obs_id	53163	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	107.99712071976	Nominal RA [deg]
dec_nom	12.02856692489	Nominal Dec [deg]
roll_nom	62.83275873772	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3493.7989595532	Sum of GTIs [s]
livetime	3449.5583734142	Livetime [s]
ontime0	3494.399987042	Sum of GTIs [s]
ontime1	3494.3659796119	Sum of GTIs [s]
ontime2	3494.3249396086	Sum of GTIs [s]
ontime3	3493.7579296827	Sum of GTIs [s]
ontime6	3494.2838996053	Sum of GTIs [s]
ontime7	3493.7989595532	Sum of GTIs [s]
l2events	78078	Number of level 2 events

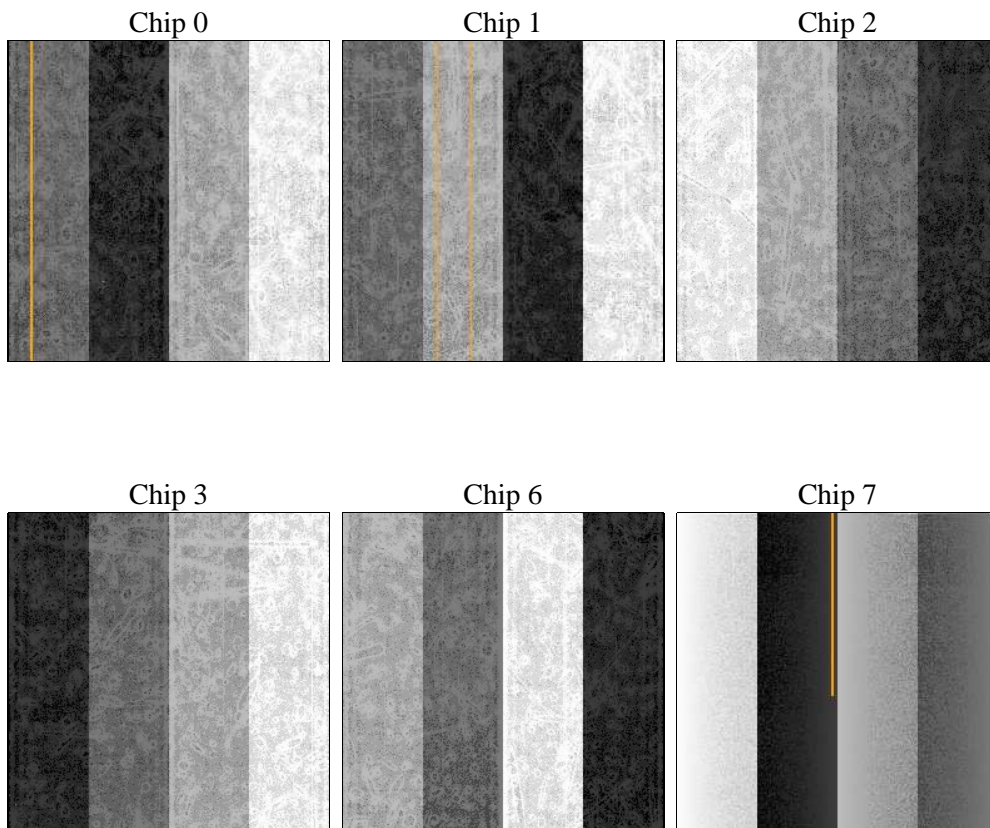
2 OBI

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	10.1.1	Processing system revision	ontime	3493.7989595532	Sum of GTIs [s]
caldbver	4.6.0	 	ontime0	3494.399987042	Sum of GTIs [s]
date	2013-12-14T16:56:14	Date and time of file creation	ontime1	3494.3659796119	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3494.3249396086	Sum of GTIs [s]
			ontime3	3493.7579296827	Sum of GTIs [s]
			ontime6	3494.2838996053	Sum of GTIs [s]
			ontime7	3493.7989595532	Sum of GTIs [s]
			l1events	337044	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	55943	55607	60669	55265	60873	48687	grade 0 events	5970	5850	6289	6202	6250	3179
rejected events	44036	43620	48557	43386	48222	26390		10%	10%	10%	11%	10%	6%
rejected %	78%	78%	80%	78%	79%	54%	grade 1 events	47	30	34	27	24	39
								0%	0%	0%	0%	0%	0%
							grade 2 events	2369	2444	2335	2247	2550	5527
								4%	4%	3%	4%	4%	11%
							grade 3 events	815	867	818	833	859	1797
								1%	1%	1%	1%	1%	3%
							grade 4 events	799	819	832	848	844	1781
								1%	1%	1%	1%	1%	3%
							grade 5 events	1162	1196	1055	1264	1302	2959
								2%	2%	1%	2%	2%	6%
							grade 6 events	1964	2017	1847	1749	2158	10013
								3%	3%	3%	3%	3%	20%
							grade 7 events	42817	42384	47459	42095	46886	23392
								76%	76%	78%	76%	77%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	107.9971207197589	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	12.02856692489028	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	62.83275873772049	[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)	503355353.158038	503355352.13304			
Observation start date	2013-12-13T20:55:53	2013-12-13T20:55:52			
[s] Observation end time (MET)	503360734.408334	503360733.38333			
Observation end date	2013-12-13T22:25:34	2013-12-13T22:25:33			
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)	2013.12.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.4937989595532

A.2 Comments