

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52986 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 18 2014

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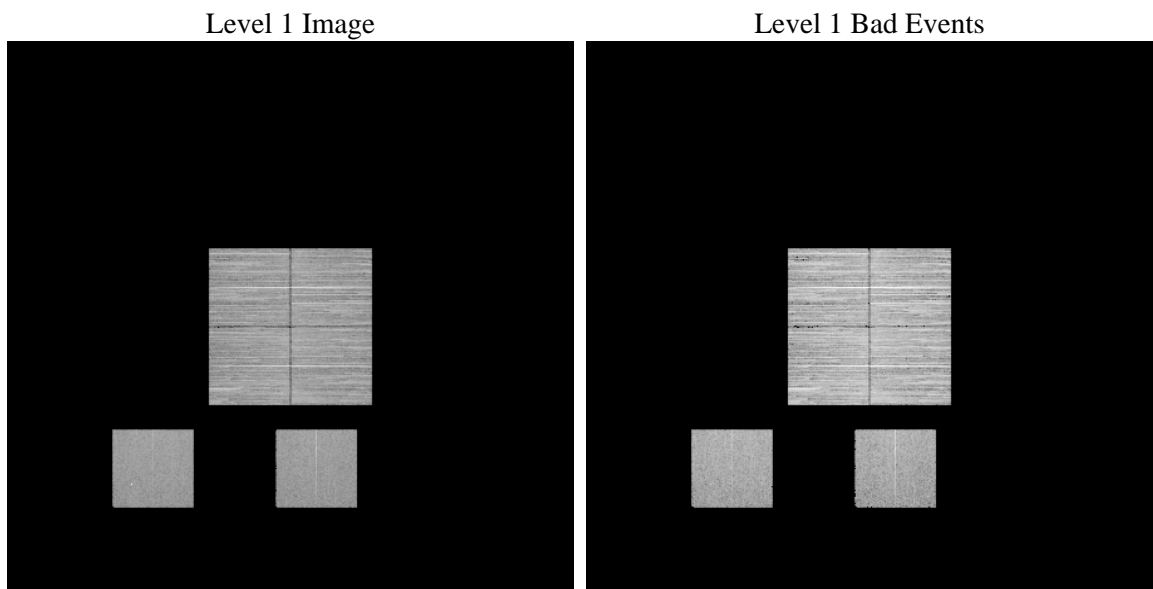
1 Front

seq_num	 	Sequence number
obs_id	52986	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	181.6643838207	Nominal RA [deg]
dec_nom	10.041689961314	Nominal Dec [deg]
roll_nom	83.768872238717	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8050.7542939186	Sum of GTIs [s]
livetime	7948.8107954668	Livetime [s]
ontime0	8050.7542940378	Sum of GTIs [s]
ontime1	8053.4781302214	Sum of GTIs [s]
ontime2	8053.4370902181	Sum of GTIs [s]
ontime3	8050.7542940378	Sum of GTIs [s]
ontime5	8053.3960502148	Sum of GTIs [s]
ontime7	8050.7542939186	Sum of GTIs [s]
l2events	206282	Number of level 2 events

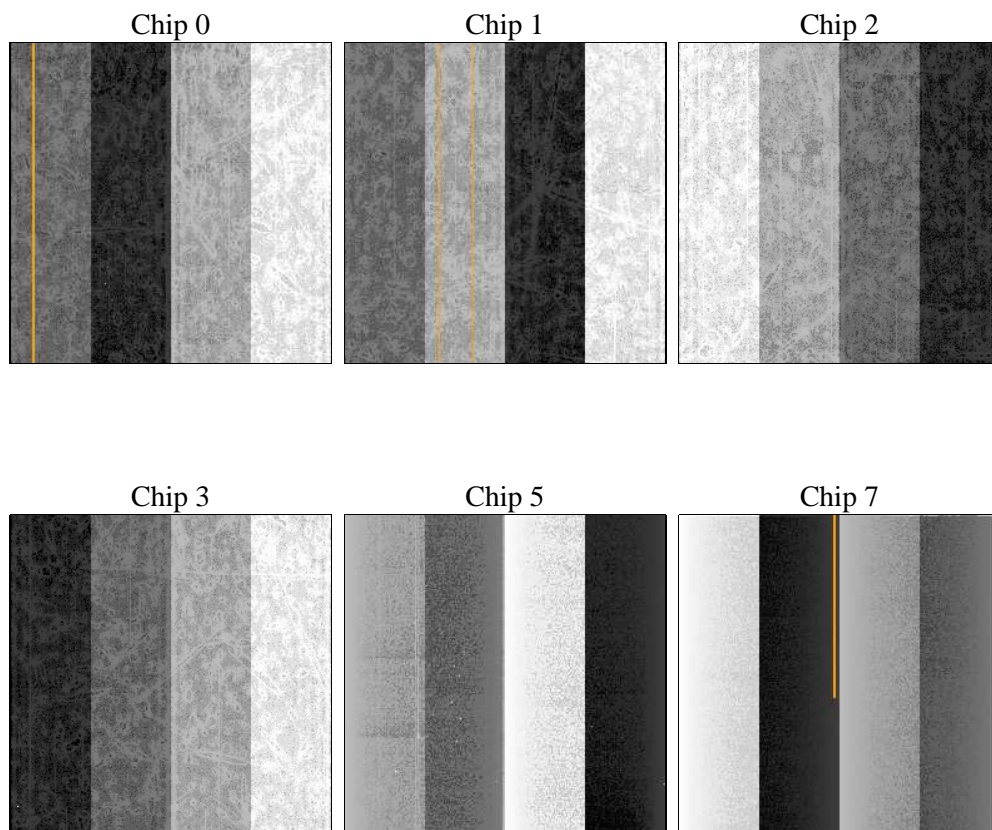
2 OBI

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	10.2.1	Processing system revision	ontime	8050.7542939186	Sum of GTIs [s]
caldsver	4.6.0	 	ontime0	8050.7542940378	Sum of GTIs [s]
date	2014-02-18T18:54:14	Date and time of file creation	ontime1	8053.4781302214	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8053.4370902181	Sum of GTIs [s]
			ontime3	8050.7542940378	Sum of GTIs [s]
			ontime5	8053.3960502148	Sum of GTIs [s]
			ontime7	8050.7542939186	Sum of GTIs [s]
			l1events	811664	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	141835	148075	146030	146021	116620	113083	grade 0 events	13133	11862	14001	14335	4099	6642
rejected events	113252	119335	117406	116687	64787	62867		9%	8%	9%	9%	3%	5%
rejected %	79%	80%	80%	79%	55%	55%	grade 1 events	60	56	66	66	128	71
								0%	0%	0%	0%	0%	0%
							grade 2 events	7078	8307	6434	6486	19165	12638
								4%	5%	4%	4%	16%	11%
							grade 3 events	1676	1657	1768	1788	1795	3626
								1%	1%	1%	1%	1%	3%
							grade 4 events	1728	1576	1837	1874	1592	3475
								1%	1%	1%	1%	1%	3%
							grade 5 events	2343	2229	2263	2646	4792	6062
								1%	1%	1%	1%	4%	5%
							grade 6 events	4968	5338	4584	4851	25182	23835
								3%	3%	3%	3%	21%	21%
							grade 7 events	110849	117050	115077	113975	59867	56734
								78%	79%	78%	78%	51%	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	181.6643838207047	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	10.04168996131367	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	83.76887223871705	[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)	509069086.822092	509069085.79709			
Observation start date	2014-02-18T00:04:47	2014-02-18T00:04:45			
[s] Observation end time (MET)	509080689.822732	509080688.79773			
Observation end date	2014-02-18T03:18:10	2014-02-18T03:18:08			
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)	2014.02.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0507542939186

A.2 Comments