

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52512 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 29 2014

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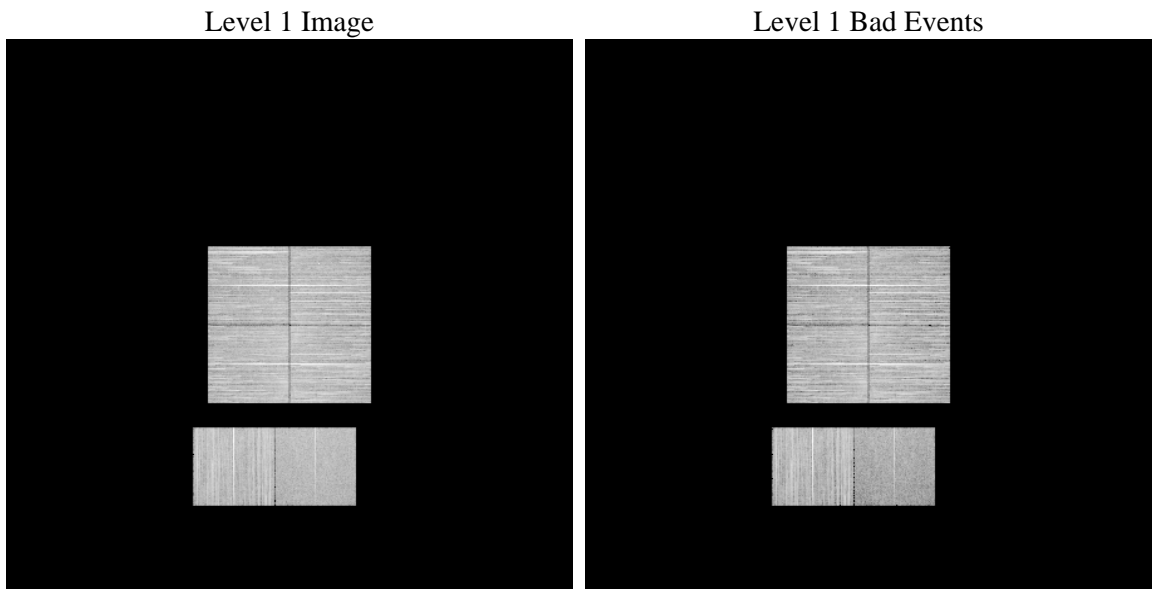
1 Front

seq_num	 	Sequence number
obs_id	52512	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	315.99978068759	Nominal RA [deg]
dec_nom	4.9710195086455	Nominal Dec [deg]
roll_nom	236.9124996732	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8005.4619305134	Sum of GTIs [s]
livetime	7904.0919512388	Livetime [s]
ontime0	8005.4208905101	Sum of GTIs [s]
ontime1	8005.3798505068	Sum of GTIs [s]
ontime2	8005.3388105035	Sum of GTIs [s]
ontime3	8005.5029705167	Sum of GTIs [s]
ontime6	8005.2977705002	Sum of GTIs [s]
ontime7	8005.4619305134	Sum of GTIs [s]
l2events	169045	Number of level 2 events

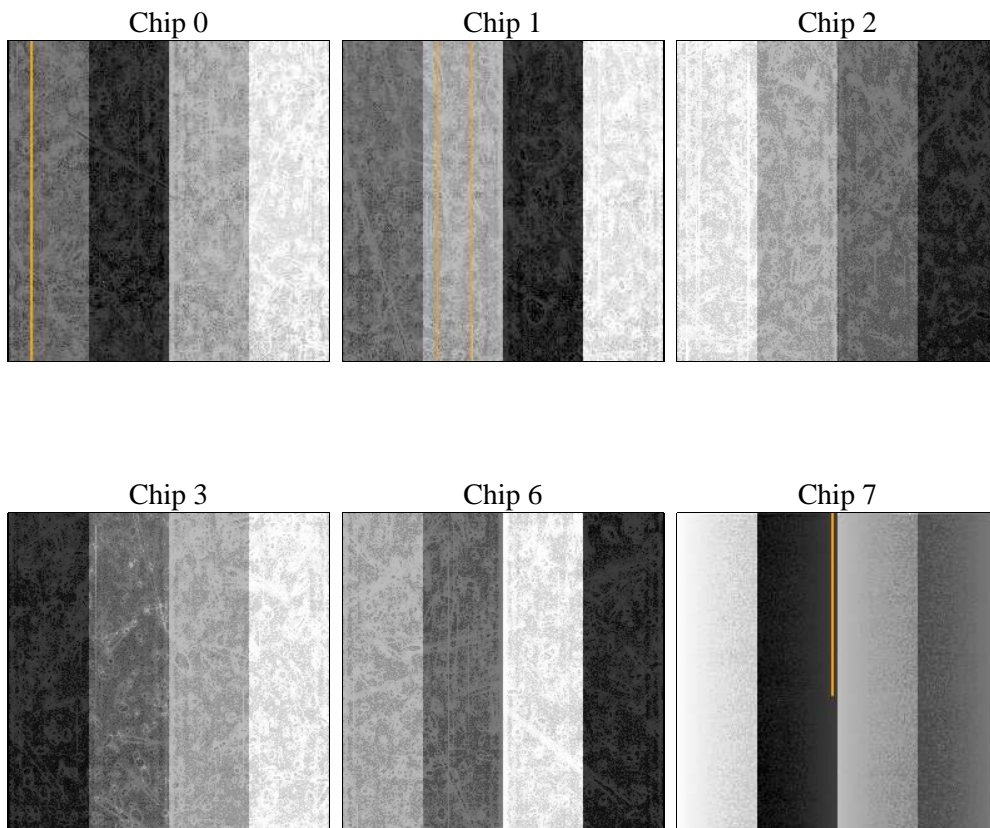
2 OBI

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	10.2.4	Processing system revision	ontime	8005.4619305134	Sum of GTIs [s]
caldsver	4.6.2	 	ontime0	8005.4208905101	Sum of GTIs [s]
date	2014-08-30T03:21:47	Date and time of file creation	ontime1	8005.3798505068	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8005.3388105035	Sum of GTIs [s]
			ontime3	8005.5029705167	Sum of GTIs [s]
			ontime6	8005.2977705002	Sum of GTIs [s]
			ontime7	8005.4619305134	Sum of GTIs [s]
			l1events	903644	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	153451	151205	157180	161234	157310	123264	grade 0 events	13005	12792	13549	13605	13533	7368
rejected events	128368	125682	131853	135808	130847	71431		8%	8%	8%	8%	8%	5%
rejected %	83%	83%	83%	84%	83%	57%	grade 1 events	80	68	81	85	67	96
								0%	0%	0%	0%	0%	0%
							grade 2 events	5551	5970	5325	5229	5666	13250
								3%	3%	3%	3%	3%	10%
							grade 3 events	1764	1777	1929	1826	1799	4331
								1%	1%	1%	1%	1%	3%
							grade 4 events	1714	1797	1839	1857	1824	4339
								1%	1%	1%	1%	1%	3%
							grade 5 events	2869	3015	2801	3278	3229	7763
								1%	1%	1%	2%	2%	6%
							grade 6 events	4318	4513	3991	4262	5032	24775
								2%	2%	2%	2%	3%	20%
							grade 7 events	124150	121273	127665	131092	126160	61342
								80%	80%	81%	81%	80%	49%

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	315.9997806875934
[deg] Pointing Dec	0	4.97101950864548
[deg] Pointing Roll	0.0	236.9124996731959
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	525717232.042029	525717232.042029
Observation start date	2014-08-29T16:33:52	2014-08-29T16:33:52
[s] Observation end time (MET)	525725688.263838	525725688.263838
Observation end date	2014-08-29T18:54:48	2014-08-29T18:54:48
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0054619305134

A.2 Comments