

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 51388 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 22 2015

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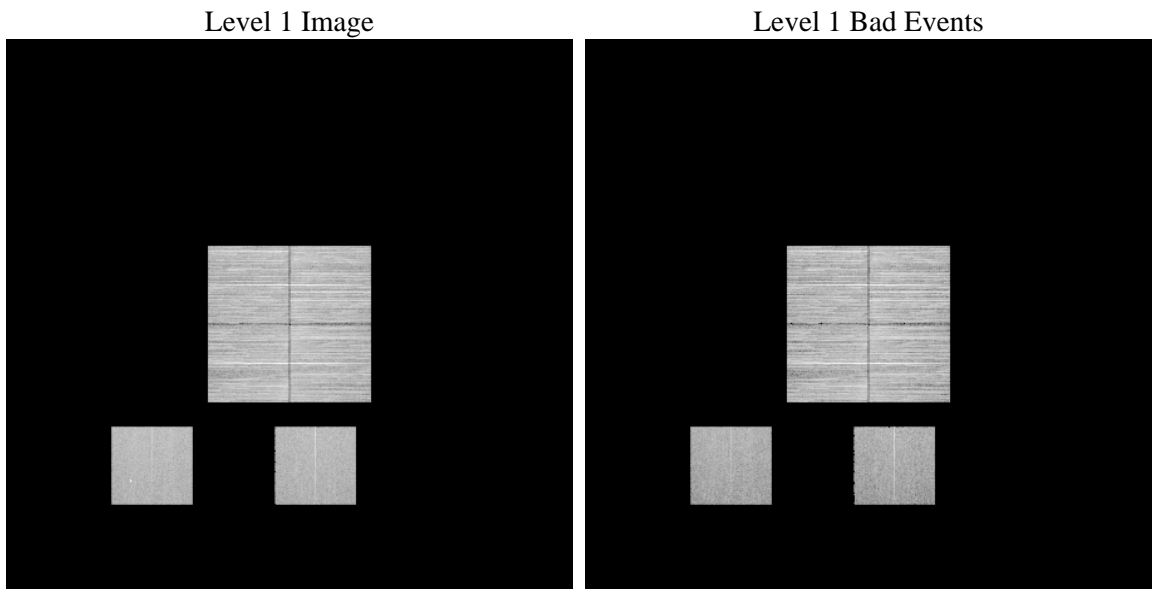
1 Front

seq_num	 	Sequence number
obs_id	51388	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	229.2714377334	Nominal RA [deg]
dec_nom	11.354492133292	Nominal Dec [deg]
roll_nom	54.737335540097	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8386.175500989	Sum of GTIs [s]
livetime	8279.9846972468	Livetime [s]
ontime0	8382.8934607506	Sum of GTIs [s]
ontime1	8386.0934209824	Sum of GTIs [s]
ontime2	8386.0523809195	Sum of GTIs [s]
ontime3	8386.2165409327	Sum of GTIs [s]
ontime5	8386.0113409758	Sum of GTIs [s]
ontime7	8386.175500989	Sum of GTIs [s]
l2events	178876	Number of level 2 events

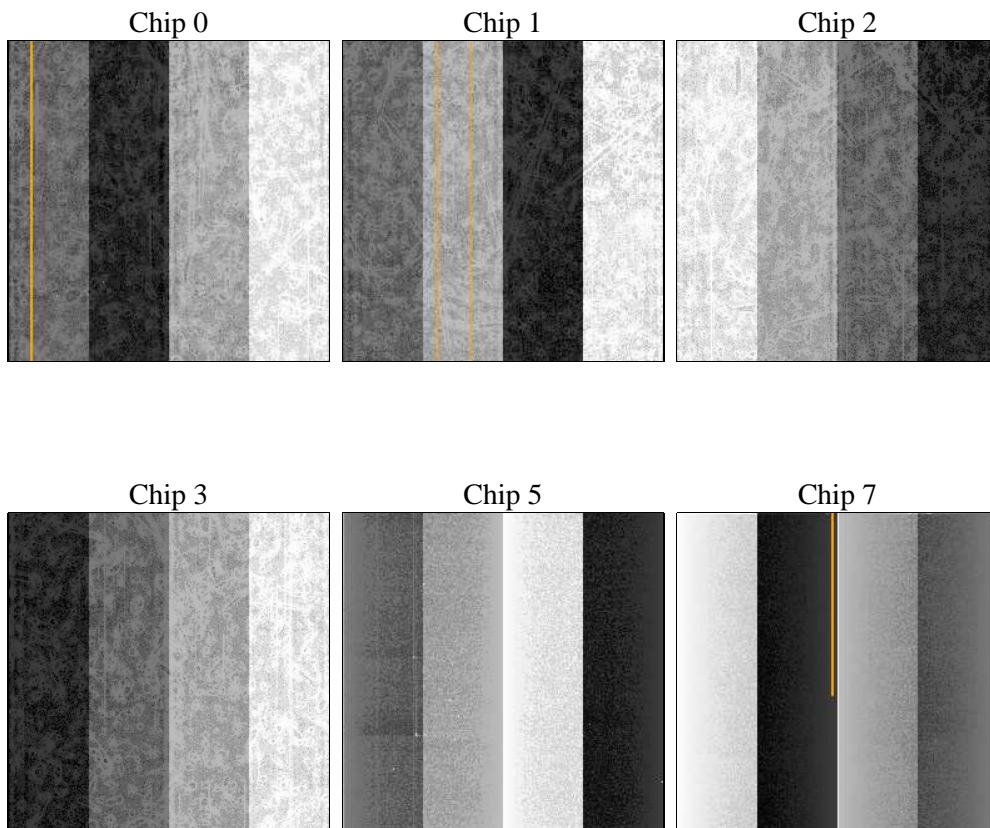
2 OBI

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	10.4.3	Processing system revision	ontime	8386.175500989	Sum of GTIs [s]
caldsver	4.7.0	 	ontime0	8382.8934607506	Sum of GTIs [s]
date	2015-12-22T15:32:24	Date and time of file creation	ontime1	8386.0934209824	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8386.0523809195	Sum of GTIs [s]
			ontime3	8386.2165409327	Sum of GTIs [s]
			ontime5	8386.0113409758	Sum of GTIs [s]
			ontime7	8386.175500989	Sum of GTIs [s]
			l1events	929755	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	164907	176348	164551	165080	133942	124927	grade 0 events	9705	8620	10145	10033	3552	5204
rejected events	143505	155106	143598	143842	79246	75850		5%	4%	6%	6%	2%	4%
rejected %	87%	87%	87%	87%	59%	60%	grade 1 events	57	46	55	73	189	103
								0%	0%	0%	0%	0%	0%
							grade 2 events	5253	6012	4750	4759	19688	12444
								3%	3%	2%	2%	14%	9%
							grade 3 events	1462	1319	1460	1478	1591	3351
								0%	0%	0%	0%	1%	2%
							grade 4 events	1389	1322	1430	1541	1548	3383
								0%	0%	0%	0%	1%	2%
							grade 5 events	2867	2707	2646	3236	5807	7291
								1%	1%	1%	1%	4%	5%
							grade 6 events	3766	4145	3344	3589	28832	25094
								2%	2%	2%	2%	21%	20%
							grade 7 events	140408	152177	140721	140371	72735	68057
								85%	86%	85%	85%	54%	54%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	229.271437733404
[deg] Pointing Dec	0	11.35449213329217
[deg] Pointing Roll	0.0	54.7373355400969
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)	567114039.3024631	567114039.3024631
Observation start date	2015-12-21T19:40:39	2015-12-21T19:40:39
[s] Observation end time (MET)	567123076.9199359	567123076.9199359
Observation end date	2015-12-21T22:11:17	2015-12-21T22:11:16
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)	2015.12.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.386175500989

A.2 Comments