

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51573 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 8 2015

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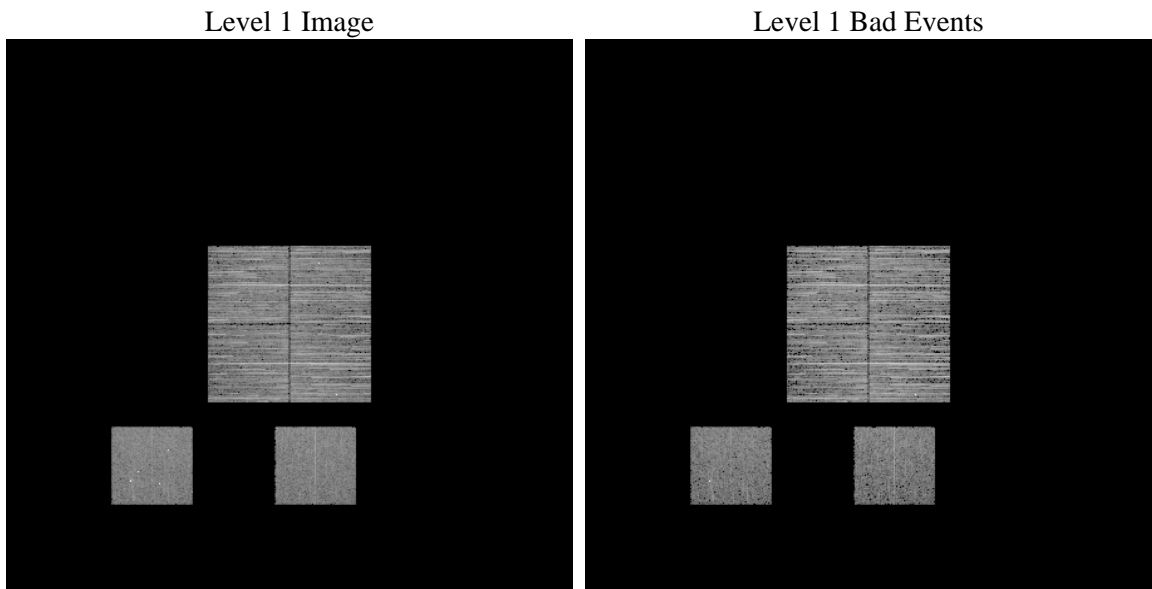
1 Front

seq_num	 	Sequence number
obs_id	51573	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	16.965429874258	Nominal RA [deg]
dec_nom	30.98641347814	Nominal Dec [deg]
roll_nom	172.48918504303	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3352.8928567171	Sum of GTIs [s]
livetime	3310.4365084957	Livetime [s]
ontime0	3352.8518166542	Sum of GTIs [s]
ontime1	3352.8107767105	Sum of GTIs [s]
ontime2	3352.7697366476	Sum of GTIs [s]
ontime3	3352.9338966608	Sum of GTIs [s]
ontime5	3352.7286967039	Sum of GTIs [s]
ontime7	3352.8928567171	Sum of GTIs [s]
l2events	70044	Number of level 2 events

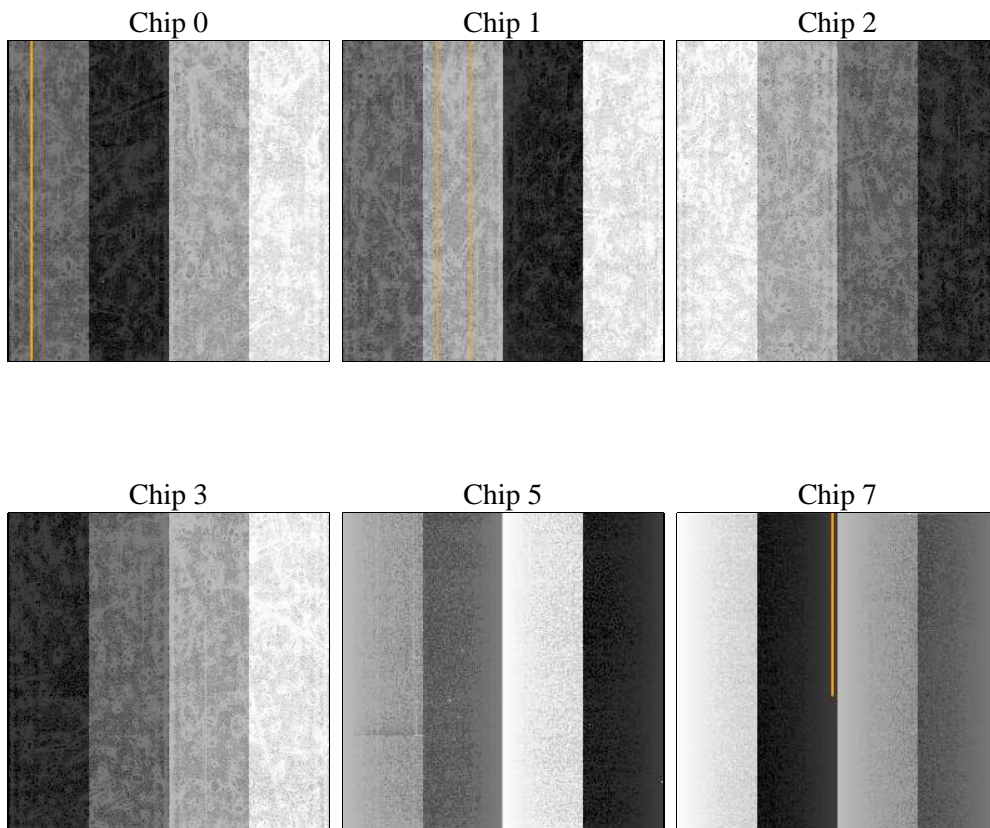
2 OBI

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	10.4.2.1	Processing system revision	ontime	3352.8928567171	Sum of GTIs [s]
caldbver	4.6.10a	 	ontime0	3352.8518166542	Sum of GTIs [s]
date	2015-10-09T02:24:06	Date and time of file creation	ontime1	3352.8107767105	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3352.7697366476	Sum of GTIs [s]
			ontime3	3352.9338966608	Sum of GTIs [s]
			ontime5	3352.7286967039	Sum of GTIs [s]
			ontime7	3352.8928567171	Sum of GTIs [s]
			l1events	367496	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	67953	66187	59095	68942	55296	50023	grade 0 events	4076	4816	4346	4255	3992	2315
rejected events	59346	56710	50689	60378	32010	30786		5%	7%	7%	6%	7%	4%
rejected %	87%	85%	85%	87%	57%	61%	grade 1 events	22	24	15	781	71	33
								0%	0%	0%	1%	0%	0%
							grade 2 events	1983	2140	1760	1765	8073	4886
								2%	3%	2%	2%	14%	9%
							grade 3 events	582	573	591	660	572	1432
								0%	0%	1%	0%	1%	2%
							grade 4 events	595	606	583	633	555	1419
								0%	0%	0%	0%	1%	2%
							grade 5 events	1165	1157	1101	1306	2547	3037
								1%	1%	1%	1%	4%	6%
							grade 6 events	1560	1585	1334	1455	10750	9648
								2%	2%	2%	2%	19%	19%
							grade 7 events	57970	55286	49365	58087	28736	27253
								85%	83%	83%	84%	51%	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	16.96542987425767
[deg] Pointing Dec	0	30.98641347813952
[deg] Pointing Roll	0.0	172.4891850430334
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	560714992.640118	560714991.6151201
Observation start date	2015-10-08T18:09:53	2015-10-08T18:09:51
[s] Observation end time (MET)	560721872.4405071	560721871.4155101
Observation end date	2015-10-08T20:04:32	2015-10-08T20:04:31
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.3528928567171

A.2 Comments