

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51608 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 30 2015

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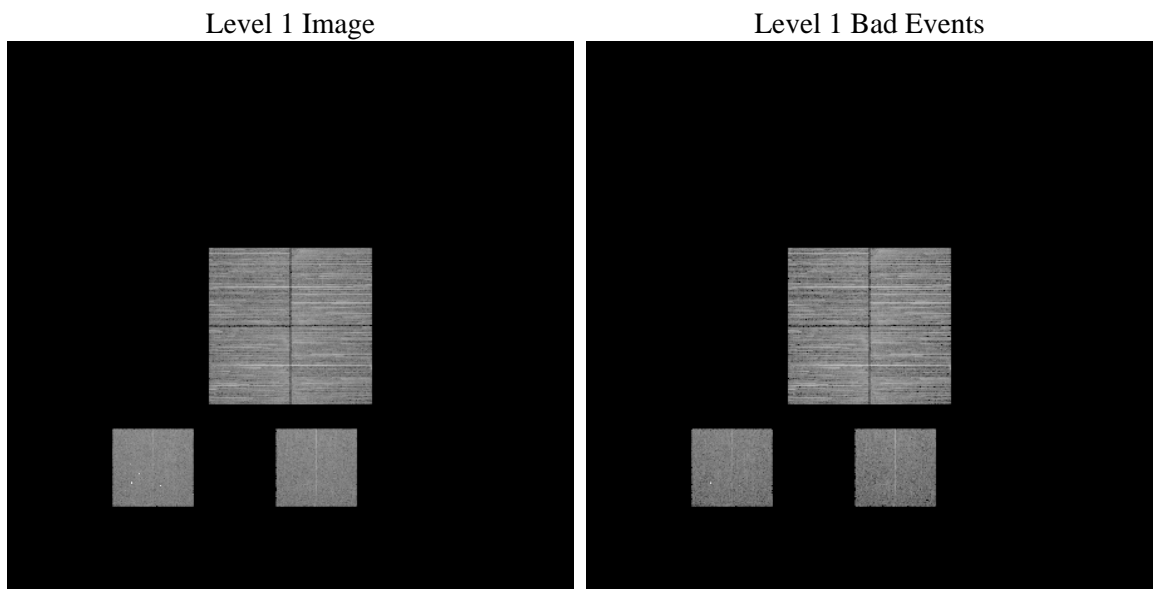
1 Front

seq_num	 	Sequence number
obs_id	51608	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	56.614649318566	Nominal RA [deg]
dec_nom	-25.099182621376	Nominal Dec [deg]
roll_nom	68.903841346252	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5429.5166784525	Sum of GTIs [s]
livetime	5360.7648690075	Livetime [s]
ontime0	5429.4756383896	Sum of GTIs [s]
ontime1	5429.4345984459	Sum of GTIs [s]
ontime2	5429.393558383	Sum of GTIs [s]
ontime3	5429.5577183962	Sum of GTIs [s]
ontime5	5429.3525184393	Sum of GTIs [s]
ontime7	5429.5166784525	Sum of GTIs [s]
l2events	114228	Number of level 2 events

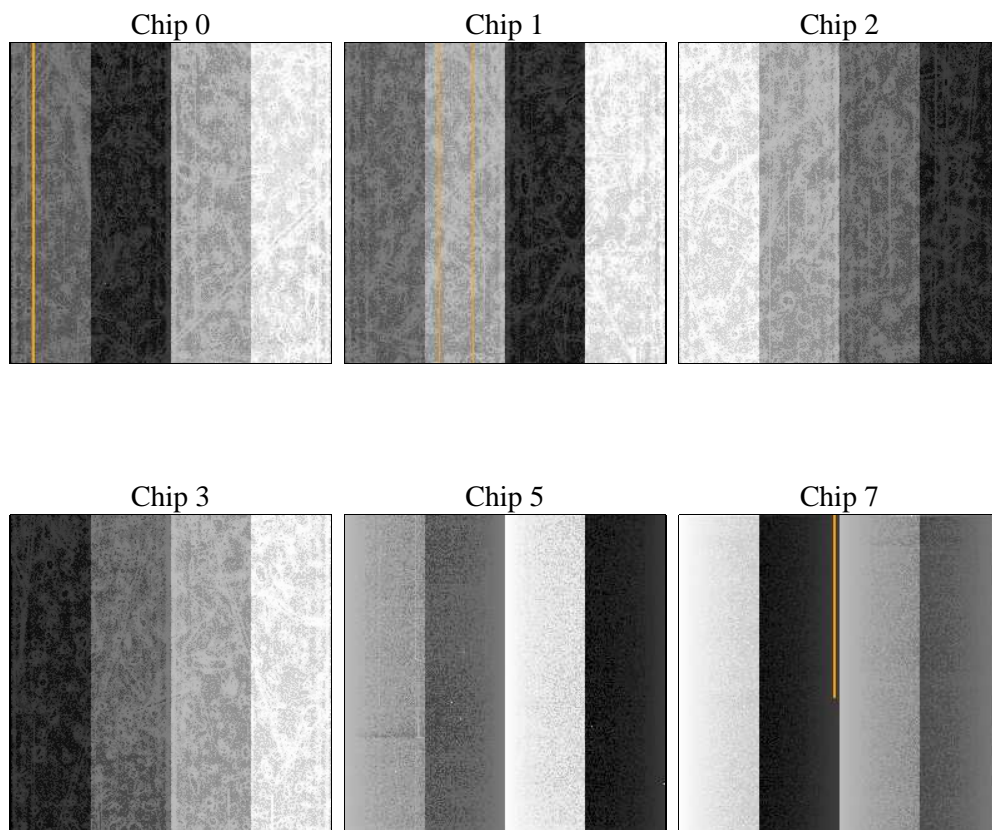
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	5429.5166784525	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	5429.4756383896	Sum of GTIs [s]
date	2015-09-30T17:33:52	Date and time of file creation	ontime1	5429.4345984459	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5429.393558383	Sum of GTIs [s]
			ontime3	5429.5577183962	Sum of GTIs [s]
			ontime5	5429.3525184393	Sum of GTIs [s]
			ontime7	5429.5166784525	Sum of GTIs [s]
			l1events	590938	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	96420	113459	107669	102714	89378	81298	grade 0 events	6646	6079	6871	7068	4780	3547
rejected events	82671	99505	93993	88573	52824	50058		6%	5%	6%	6%	5%	4%
rejected %	85%	87%	87%	86%	59%	61%	grade 1 events	50	32	42	52	118	56
								0%	0%	0%	0%	0%	0%
							grade 2 events	3248	3821	2973	3017	12834	7902
								3%	3%	2%	2%	14%	9%
							grade 3 events	947	888	984	1060	1021	2242
								0%	0%	0%	1%	1%	2%
							grade 4 events	879	987	968	1047	951	2174
								0%	0%	0%	1%	1%	2%
							grade 5 events	1869	1845	1767	2167	3969	4744
								1%	1%	1%	2%	4%	5%
							grade 6 events	2375	2578	2235	2365	17971	16225
								2%	2%	2%	2%	20%	19%
							grade 7 events	80406	97229	91829	85938	47734	44408
								83%	85%	85%	83%	53%	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	56.61464931856636
[deg] Pointing Dec	0	-25.09918262137567
[deg] Pointing Roll	0.0	68.90384134625218
SIM focus pos (mm)	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	559761504.786171	559761504.786171
Observation start date	2015-09-27T17:18:25	2015-09-27T17:18:24
[s] Observation end time (MET)	559768349.071867	559768349.071867
Observation end date	2015-09-27T19:12:29	2015-09-27T19:12:29
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)	2015.09.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.4295166784525

A.2 Comments