

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51476 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 25 2015

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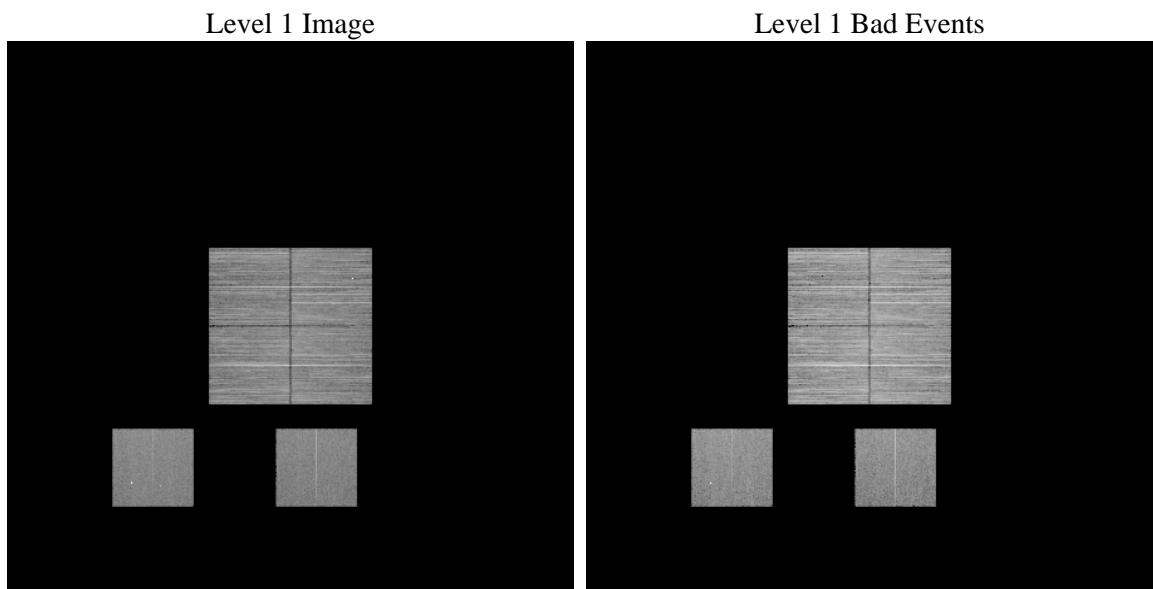
1 Front

seq_num	 	Sequence number
obs_id	51476	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	51.635150597202	Nominal RA [deg]
dec_nom	71.849611886661	Nominal Dec [deg]
roll_nom	190.6501428386	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8444.457105279	Sum of GTIs [s]
livetime	8337.5283047703	Livetime [s]
ontime0	8444.4160652161	Sum of GTIs [s]
ontime1	8444.3750252724	Sum of GTIs [s]
ontime2	8444.3339852095	Sum of GTIs [s]
ontime3	8444.4981452227	Sum of GTIs [s]
ontime5	8444.2929452658	Sum of GTIs [s]
ontime7	8444.457105279	Sum of GTIs [s]
l2events	180981	Number of level 2 events

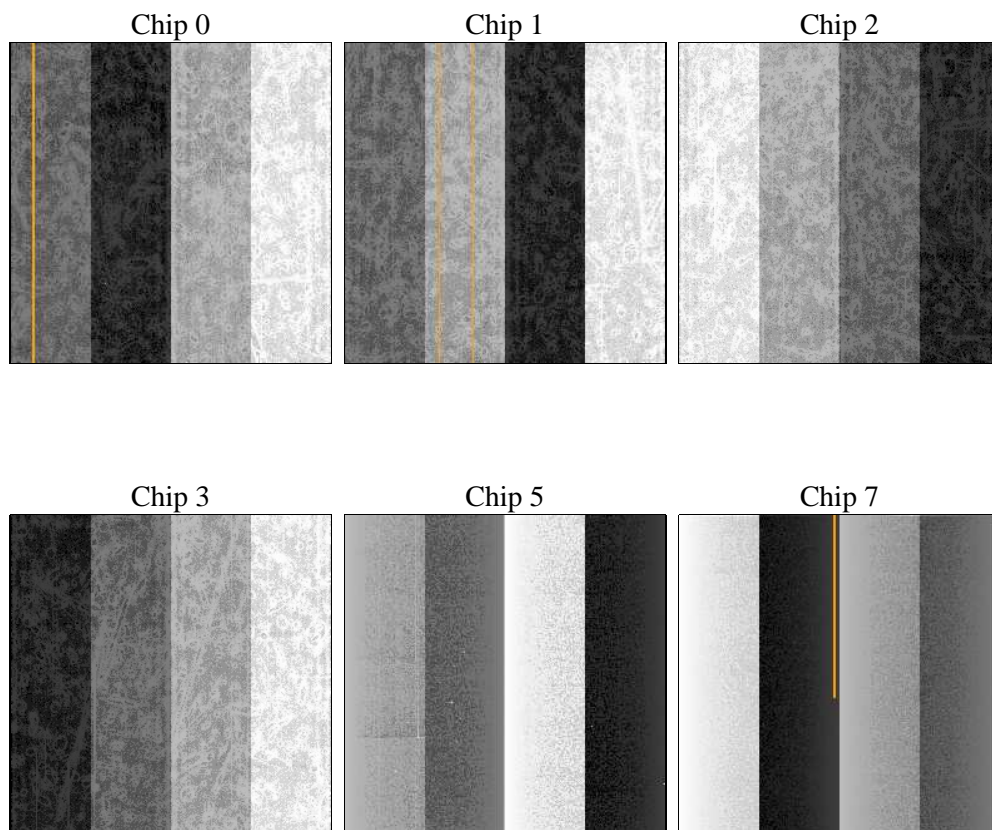
2 OBI

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	8444.457105279	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	8444.4160652161	Sum of GTIs [s]
date	2015-11-25T20:37:04	Date and time of file creation	ontime1	8444.3750252724	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8444.3339852095	Sum of GTIs [s]
			ontime3	8444.4981452227	Sum of GTIs [s]
			ontime5	8444.2929452658	Sum of GTIs [s]
			ontime7	8444.457105279	Sum of GTIs [s]
			l1events	968091	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	163682	180706	179148	173723	140452	130380	grade 0 events	9533	8804	10154	10186	4339	5344
rejected events	142853	156675	157996	152272	83763	79915		5%	4%	5%	5%	3%	4%
rejected %	87%	86%	88%	87%	59%	61%	grade 1 events	64	40	73	65	197	105
								0%	0%	0%	0%	0%	0%
							grade 2 events	4922	8396	4694	4649	20103	12677
								3%	4%	2%	2%	14%	9%
							grade 3 events	1445	1344	1469	1537	1631	3489
								0%	0%	0%	0%	1%	2%
							grade 4 events	1335	1386	1463	1552	1416	3464
								0%	0%	0%	0%	1%	2%
							grade 5 events	2925	2928	2836	3361	6057	7667
								1%	1%	1%	1%	4%	5%
							grade 6 events	3611	4107	3375	3534	29225	25509
								2%	2%	1%	2%	20%	19%
							grade 7 events	139847	153701	155084	148839	77484	72125
								85%	85%	86%	85%	55%	55%

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	51.63515059720243
[deg] Pointing Dec	0	71.84961188666074
[deg] Pointing Roll	0.0	190.6501428386027
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	564829722.1229939	564829721.09799
Observation start date	2015-11-25T09:08:42	2015-11-25T09:08:41
[s] Observation end time (MET)	564841388.673655	564841387.6486501
Observation end date	2015-11-25T12:23:09	2015-11-25T12:23:07
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	Doug Morgan
V&V Date (YYYY-MM-DD)	2015.11.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.444457105279

A.2 Comments