

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51690 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 14 2015

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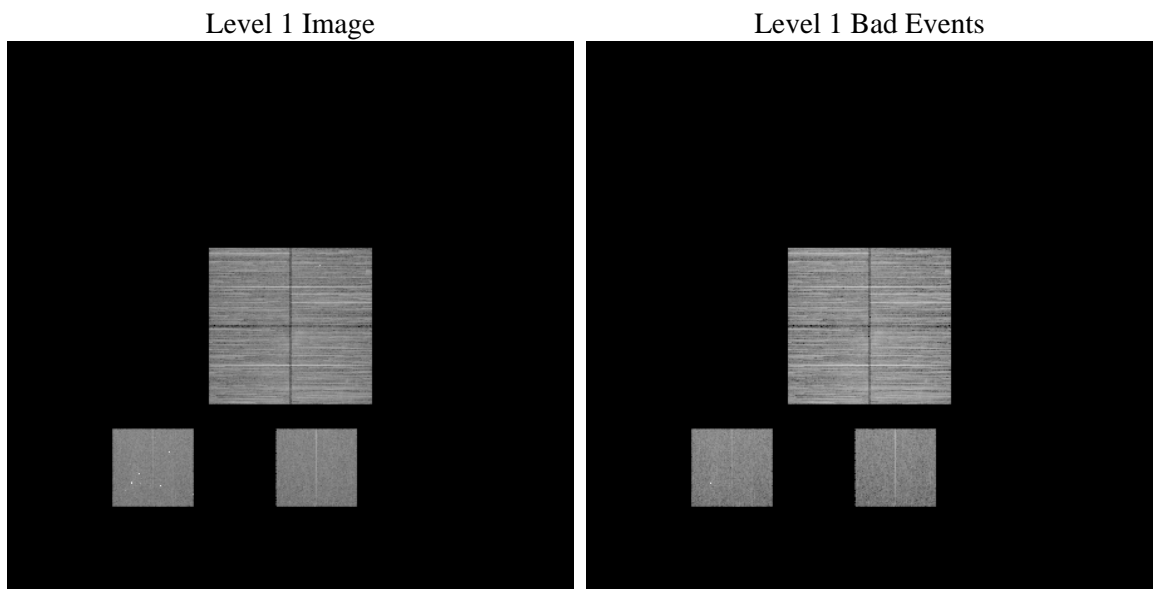
1 Front

seq_num	 	Sequence number
obs_id	51690	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	300.00332833182	Nominal RA [deg]
dec_nom	-4.028705634306	Nominal Dec [deg]
roll_nom	243.91378746479	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8435.2001256943	Sum of GTIs [s]
livetime	8328.388542635	Livetime [s]
ontime0	8435.2001256943	Sum of GTIs [s]
ontime1	8435.2001256943	Sum of GTIs [s]
ontime2	8435.2001256943	Sum of GTIs [s]
ontime3	8435.2001256943	Sum of GTIs [s]
ontime5	8435.2001256943	Sum of GTIs [s]
ontime7	8435.2001256943	Sum of GTIs [s]
l2events	178378	Number of level 2 events

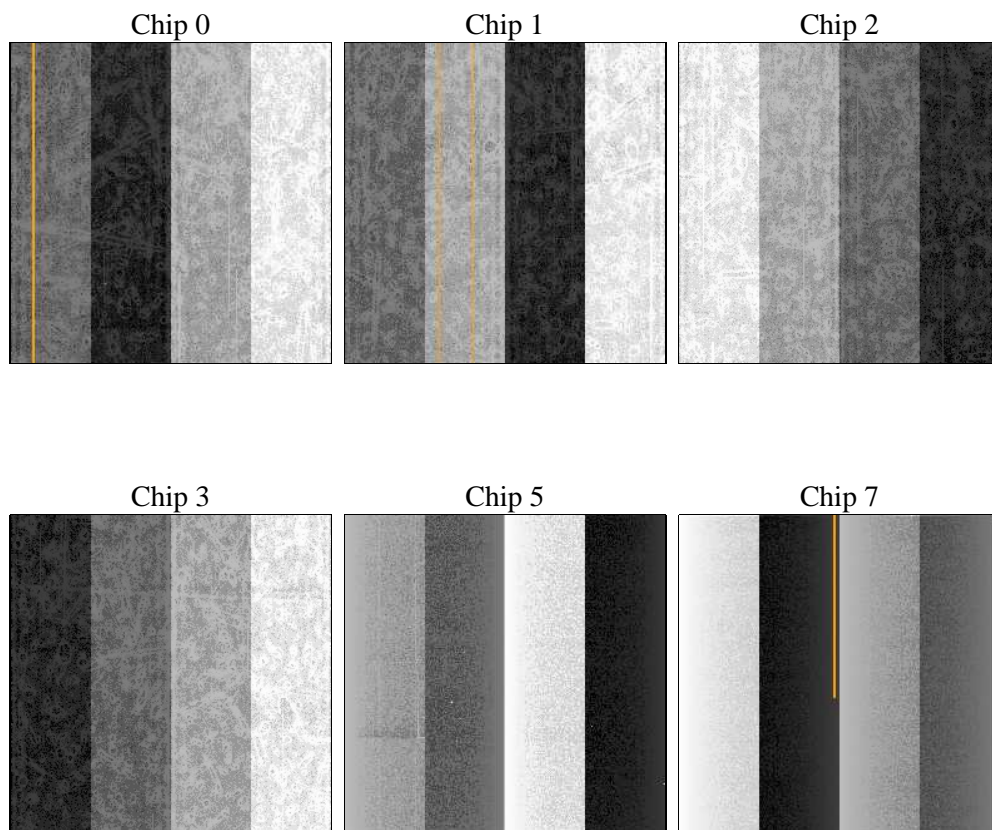
2 OBI

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	10.4.1	Processing system revision	ontime	8435.2001256943	Sum of GTIs [s]
caldsver	4.6.8	 	ontime0	8435.2001256943	Sum of GTIs [s]
date	2015-08-14T16:20:17	Date and time of file creation	ontime1	8435.2001256943	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8435.2001256943	Sum of GTIs [s]
			ontime3	8435.2001256943	Sum of GTIs [s]
			ontime5	8435.2001256943	Sum of GTIs [s]
			ontime7	8435.2001256943	Sum of GTIs [s]
			l1events	908478	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	154270	155311	161539	176185	139187	121986	grade 0 events	10293	10128	10725	10697	11440	5469
rejected events	132649	133045	139822	154420	77965	73382		6%	6%	6%	6%	8%	4%
rejected %	85%	85%	86%	87%	56%	60%	grade 1 events	69	54	66	78	196	99
								0%	0%	0%	0%	0%	0%
							grade 2 events	4817	5411	4508	4631	19977	12158
								3%	3%	2%	2%	14%	9%
							grade 3 events	1514	1445	1540	1547	1545	3578
								0%	0%	0%	0%	1%	2%
							grade 4 events	1438	1444	1520	1528	1511	3526
								0%	0%	0%	0%	1%	2%
							grade 5 events	2859	2874	2820	3168	6120	7375
								1%	1%	1%	1%	4%	6%
							grade 6 events	3559	3838	3424	3362	26749	23873
								2%	2%	2%	1%	19%	19%
							grade 7 events	129721	130117	136936	151174	71649	65908
								84%	83%	84%	85%	51%	54%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	300.0033283318161	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-4.028705634305979	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	243.9137874647869	[s] Primary exposure time	3.2	3.2
[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)	555913776.780032	555913775.75503			
Observation start date	2015-08-14T04:29:37	2015-08-14T04:29:35			
[s] Observation end time (MET)	555926269.480737	555926268.45574			
Observation end date	2015-08-14T07:57:49	2015-08-14T07:57:48			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4352001256943

A.2 Comments