

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51580 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 5 2015

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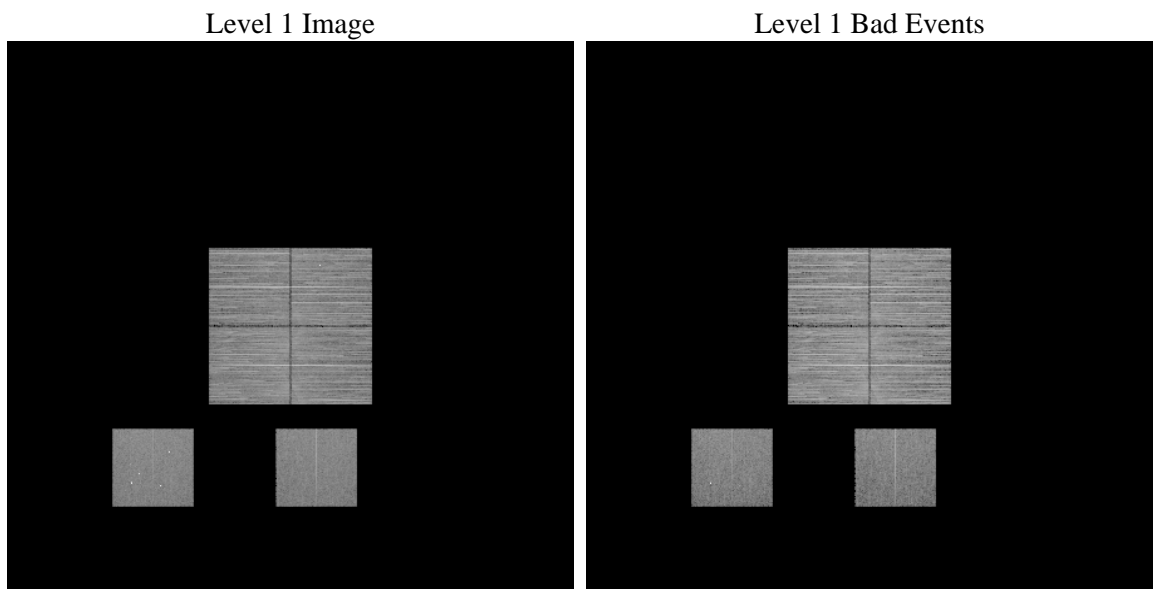
1 Front

seq_num	 	Sequence number
obs_id	51580	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	31.999708854399	Nominal RA [deg]
dec_nom	-8.9710479282185	Nominal Dec [deg]
roll_nom	57.807390306935	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8159.2331287861	Sum of GTIs [s]
livetime	8055.916006009	Livetime [s]
ontime0	8159.1920887232	Sum of GTIs [s]
ontime1	8159.1510487795	Sum of GTIs [s]
ontime2	8159.1100087166	Sum of GTIs [s]
ontime3	8159.2741687298	Sum of GTIs [s]
ontime5	8159.0689687729	Sum of GTIs [s]
ontime7	8159.2331287861	Sum of GTIs [s]
l2events	174276	Number of level 2 events

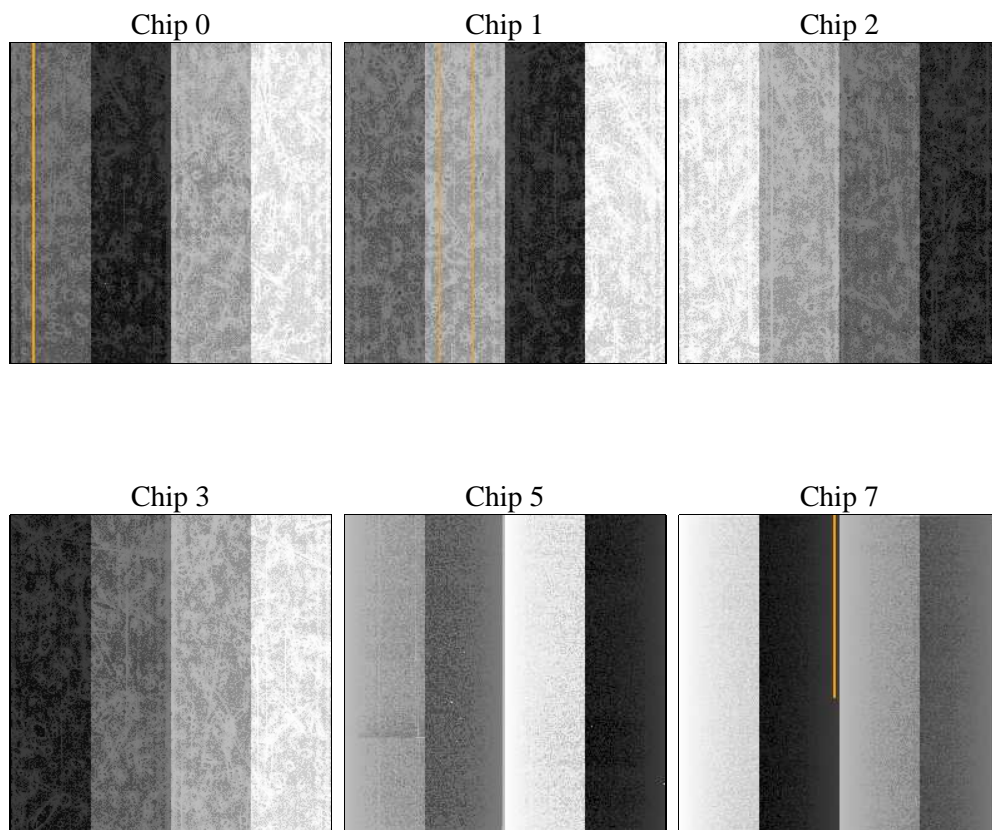
2 OBI

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	8159.2331287861	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	8159.1920887232	Sum of GTIs [s]
date	2015-10-05T22:17:15	Date and time of file creation	ontime1	8159.1510487795	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8159.1100087166	Sum of GTIs [s]
			ontime3	8159.2741687298	Sum of GTIs [s]
			ontime5	8159.0689687729	Sum of GTIs [s]
			ontime7	8159.2331287861	Sum of GTIs [s]
			l1events	865509	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	150486	154167	162647	147282	132027	118900	grade 0 events	10351	11796	10563	10442	8625	5695
rejected events	129435	130924	141751	126341	74831	71346		6%	7%	6%	7%	6%	4%
rejected %	86%	84%	87%	85%	56%	60%	grade 1 events	61	45	76	74	138	97
								0%	0%	0%	0%	0%	0%
							grade 2 events	4520	4934	4318	4293	19781	12030
								3%	3%	2%	2%	14%	10%
							grade 3 events	1490	1446	1497	1502	1659	3575
								0%	0%	0%	1%	1%	3%
							grade 4 events	1400	1457	1513	1561	1558	3597
								0%	0%	0%	1%	1%	3%
							grade 5 events	2847	2969	2695	3277	6085	7475
								1%	1%	1%	2%	4%	6%
							grade 6 events	3563	3933	3266	3430	26339	23257
								2%	2%	2%	2%	19%	19%
							grade 7 events	126254	127587	138719	122703	67842	63174
								83%	82%	85%	83%	51%	53%

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	31.99970885439871
[deg] Pointing Dec	0	-8.971047928218495
[deg] Pointing Roll	0.0	57.8073903069351
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)	560444560.724786	560444560.724786
Observation start date	2015-10-05T15:02:41	2015-10-05T15:02:40
[s] Observation end time (MET)	560454107.6808749	560454107.6808749
Observation end date	2015-10-05T17:41:48	2015-10-05T17:41:47
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1592331287861

A.2 Comments