

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51566 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 13 2015

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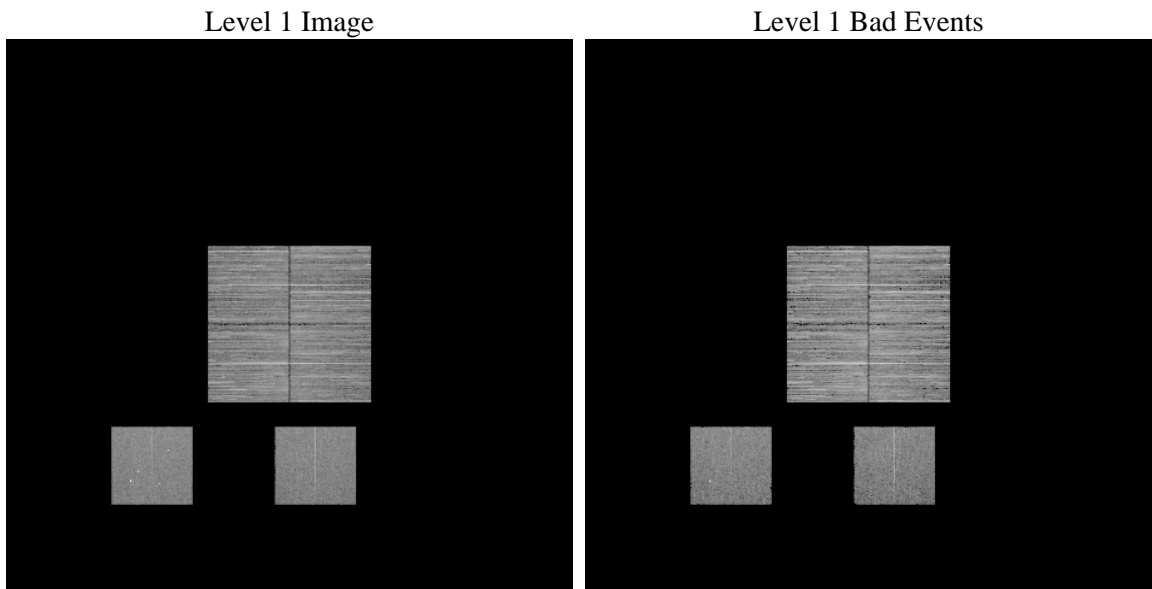
1 Front

seq_num	 	Sequence number
obs_id	51566	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	358.74119258737	Nominal RA [deg]
dec_nom	-0.39967243778006	Nominal Dec [deg]
roll_nom	289.01321125775	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5881.1997845173	Sum of GTIs [s]
livetime	5806.7284916124	Livetime [s]
ontime0	5881.1587444544	Sum of GTIs [s]
ontime1	5881.1177045107	Sum of GTIs [s]
ontime2	5881.0766644478	Sum of GTIs [s]
ontime3	5877.9998641014	Sum of GTIs [s]
ontime5	5881.0356245041	Sum of GTIs [s]
ontime7	5881.1997845173	Sum of GTIs [s]
l2events	125866	Number of level 2 events

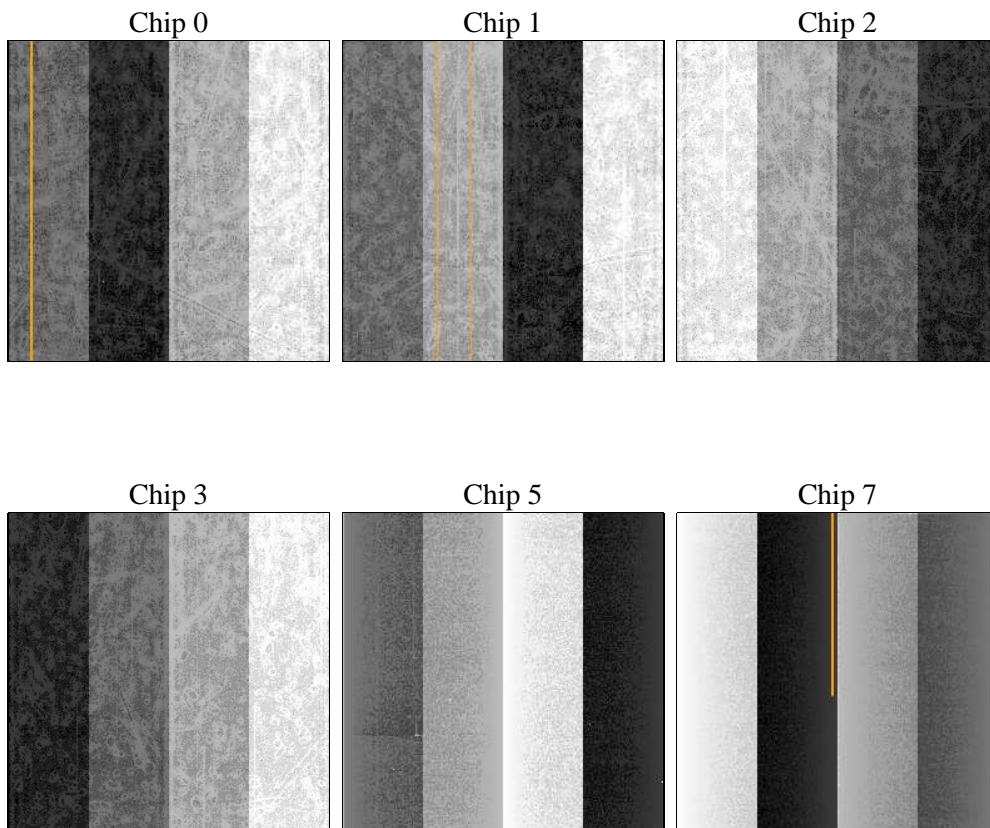
2 OBI

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	5881.1997845173	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	5881.1587444544	Sum of GTIs [s]
date	2015-10-13T20:38:35	Date and time of file creation	ontime1	5881.1177045107	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5881.0766644478	Sum of GTIs [s]
			ontime3	5877.9998641014	Sum of GTIs [s]
			ontime5	5881.0356245041	Sum of GTIs [s]
			ontime7	5881.1997845173	Sum of GTIs [s]
			l1events	628432	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	107526	112871	114391	105740	98886	89018	grade 0 events	7569	7261	7799	7641	5663	4378
rejected events	92406	97734	99548	90884	58097	54244		7%	6%	6%	7%	5%	4%
rejected %	85%	86%	87%	85%	58%	60%	grade 1 events	50	41	72	60	110	68
								0%	0%	0%	0%	0%	0%
							grade 2 events	3368	3547	3120	3206	14964	9065
								3%	3%	2%	3%	15%	10%
							grade 3 events	1192	1047	1093	1155	1239	2941
								1%	0%	0%	1%	1%	3%
							grade 4 events	1060	1090	1114	1096	1252	2887
								0%	0%	0%	1%	1%	3%
							grade 5 events	2111	2118	1971	2361	4593	5783
								1%	1%	1%	2%	4%	6%
							grade 6 events	2646	2910	2468	2461	19530	17168
								2%	2%	2%	2%	19%	19%
							grade 7 events	89530	94857	96754	87760	51535	46728
								83%	84%	84%	82%	52%	52%

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	358.7411925873718
[deg] Pointing Dec	0	-0.3996724377800627
[deg] Pointing Roll	0.0	289.013211257753
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	561132651.463744	561132651.463744
Observation start date	2015-10-13T14:10:51	2015-10-13T14:10:51
[s] Observation end time (MET)	561140085.0036449	561140085.0036449
Observation end date	2015-10-13T16:14:45	2015-10-13T16:14:45
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)	2015.10.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.8811997845173

A.2 Comments