

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51288 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 2 2016

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

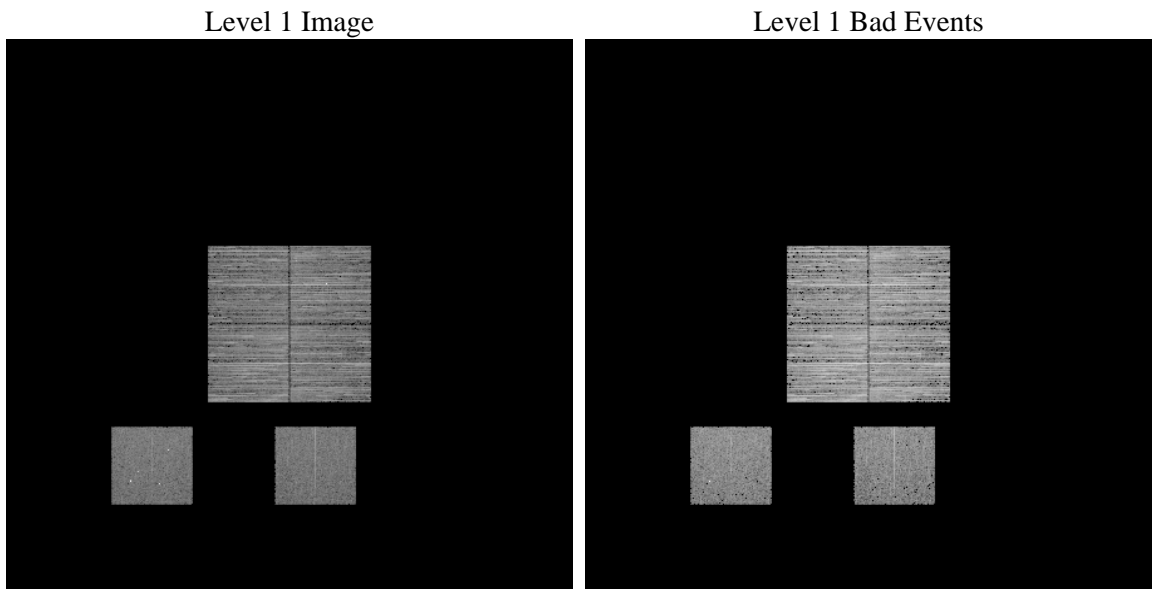
1 Front

seq_num	 	Sequence number
obs_id	51288	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	146.09713468486	Nominal RA [deg]
dec_nom	39.347881012284	Nominal Dec [deg]
roll_nom	152.12673721471	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3257.2658952475	Sum of GTIs [s]
livetime	3216.0204331918	Livetime [s]
ontime0	3257.2658952475	Sum of GTIs [s]
ontime1	3257.2658952475	Sum of GTIs [s]
ontime2	3257.2385671139	Sum of GTIs [s]
ontime3	3257.2659153938	Sum of GTIs [s]
ontime5	3257.1975271702	Sum of GTIs [s]
ontime7	3257.2658952475	Sum of GTIs [s]
l2events	70708	Number of level 2 events

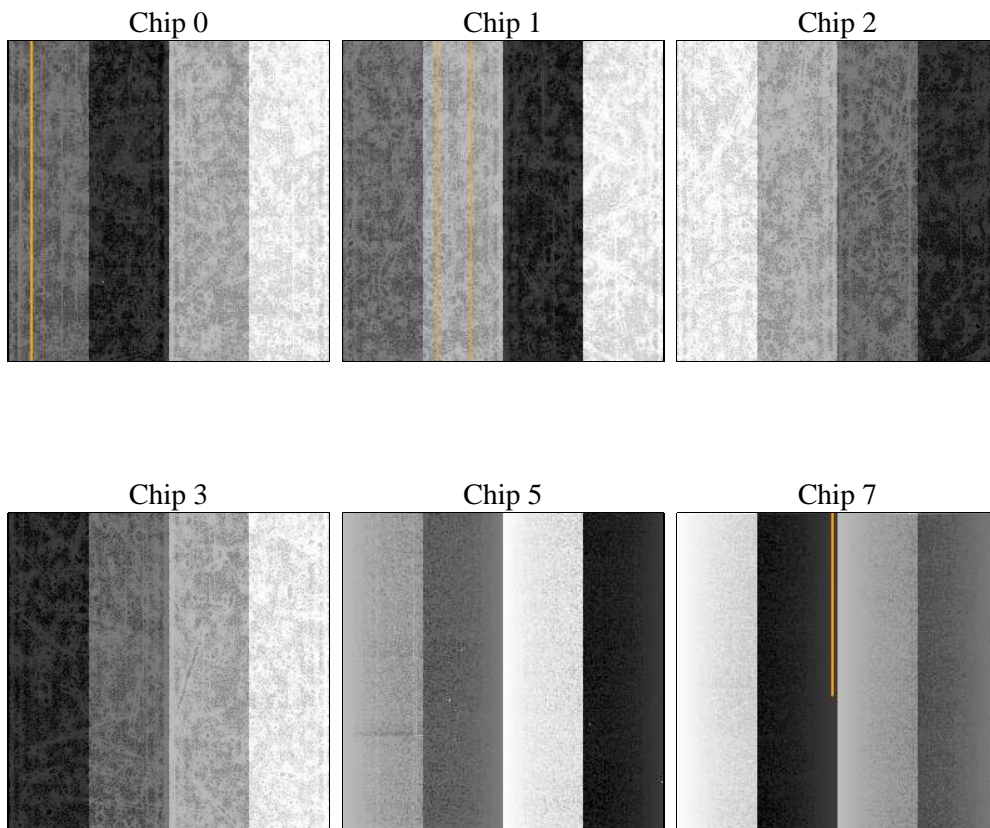
2 OBI

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	10.4.3.1	Processing system revision	ontime	3257.2658952475	Sum of GTIs [s]
caldbver	4.7.0	 	ontime0	3257.2658952475	Sum of GTIs [s]
date	2016-02-02T17:11:49	Date and time of file creation	ontime1	3257.2658952475	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3257.2385671139	Sum of GTIs [s]
			ontime3	3257.2659153938	Sum of GTIs [s]
			ontime5	3257.1975271702	Sum of GTIs [s]
			ontime7	3257.2658952475	Sum of GTIs [s]
			l1events	397202	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	62599	73592	81145	69857	57362	52647	grade 0 events	3740	4608	3921	3898	3883	2103
rejected events	54601	64209	73051	61706	32605	32445		5%	6%	4%	5%	6%	3%
rejected %	87%	87%	90%	88%	56%	61%	grade 1 events	18	21	29	28	67	47
								0%	0%	0%	0%	0%	0%
							grade 2 events	1803	2115	1753	1781	8044	5107
								2%	2%	2%	2%	14%	9%
							grade 3 events	504	562	596	594	740	1429
								0%	0%	0%	0%	1%	2%
							grade 4 events	548	587	581	567	687	1432
								0%	0%	0%	0%	1%	2%
							grade 5 events	1194	1208	1157	1386	2577	3201
								1%	1%	1%	1%	4%	6%
							grade 6 events	1403	1511	1243	1311	11403	10131
								2%	2%	1%	1%	19%	19%
							grade 7 events	53389	62980	71865	60292	29961	29197
								85%	85%	88%	86%	52%	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	146.0971346848613
[deg] Pointing Dec	0	39.34788101228435
[deg] Pointing Roll	0.0	152.1267372147077
[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)	570729464.607697	570729463.5827
Observation start date	2016-02-01T15:57:45	2016-02-01T15:57:43
[s] Observation end time (MET)	570736180.408079	570736179.38308
Observation end date	2016-02-01T17:49:40	2016-02-01T17:49:39
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2572658952475

A.2 Comments