

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51264 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 13 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

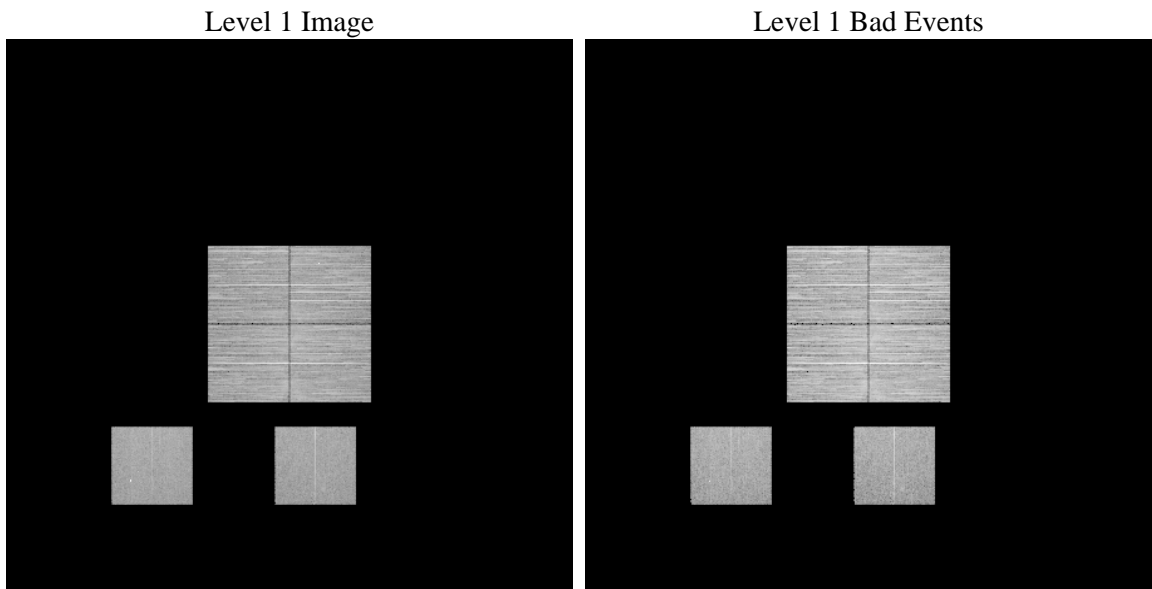
1 Front

seq_num	 	Sequence number
obs_id	51264	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	149.56646184544	Nominal RA [deg]
dec_nom	37.688597088975	Nominal Dec [deg]
roll_nom	170.4088430732	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7599.1475093365	Sum of GTIs [s]
livetime	7502.922527916	Livetime [s]
ontime0	7479.188008666	Sum of GTIs [s]
ontime1	7482.3884335756	Sum of GTIs [s]
ontime2	7472.6238484383	Sum of GTIs [s]
ontime3	7476.0290484428	Sum of GTIs [s]
ontime5	7598.9833493233	Sum of GTIs [s]
ontime7	7599.1475093365	Sum of GTIs [s]
l2events	163769	Number of level 2 events

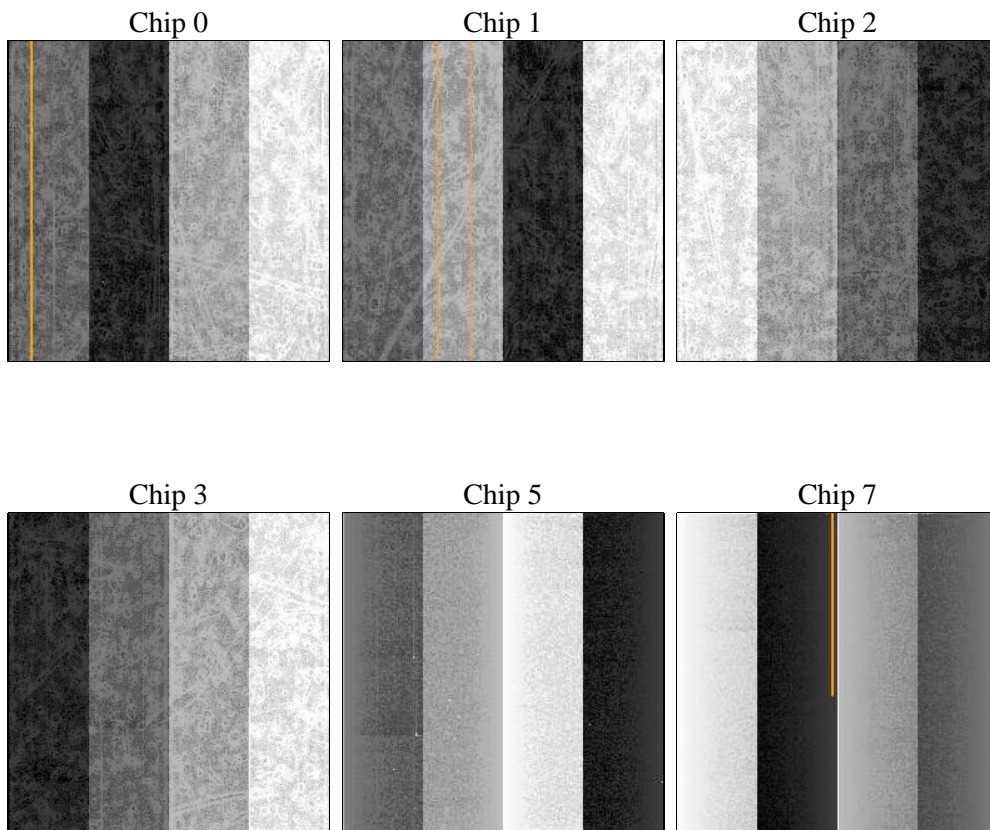
2 OBI

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	7599.1475093365	Sum of GTIs [s]
caldbver	4.7.0	 	ontime0	7479.188008666	Sum of GTIs [s]
date	2016-02-13T05:06:03	Date and time of file creation	ontime1	7482.3884335756	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7472.6238484383	Sum of GTIs [s]
			ontime3	7476.0290484428	Sum of GTIs [s]
			ontime5	7598.9833493233	Sum of GTIs [s]
			ontime7	7599.1475093365	Sum of GTIs [s]
			l1events	866193	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	144004	153487	157113	160812	129911	120866	grade 0 events	8405	8234	8783	8651	3275	4730
rejected events	125391	134124	138708	142282	77778	74526		5%	5%	5%	5%	2%	3%
rejected %	87%	87%	88%	88%	59%	61%	grade 1 events	57	44	73	61	183	92
								0%	0%	0%	0%	0%	0%
							grade 2 events	4562	5244	4115	4199	18926	11617
								3%	3%	2%	2%	14%	9%
							grade 3 events	1209	1190	1297	1386	1543	3221
								0%	0%	0%	0%	1%	2%
							grade 4 events	1231	1175	1262	1233	1329	3179
								0%	0%	0%	0%	1%	2%
							grade 5 events	2696	2648	2592	3021	5725	7283
								1%	1%	1%	1%	4%	6%
							grade 6 events	3253	3604	2987	3109	27307	23752
								2%	2%	1%	1%	21%	19%
							grade 7 events	122591	131348	136004	139152	71623	66992
								85%	85%	86%	86%	55%	55%

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	149.5664618454441	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	37.68859708897505	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	170.4088430732012	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	571681554.361799	571681553.3368			
Observation start date	2016-02-12T16:25:54	2016-02-12T16:25:53			
[s] Observation end time (MET)	571692819.112439	571692818.08744			
Observation end date	2016-02-12T19:33:39	2016-02-12T19:33:38			
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)	2016.02.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5991475093365

A.2 Comments