

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 51355 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 9 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

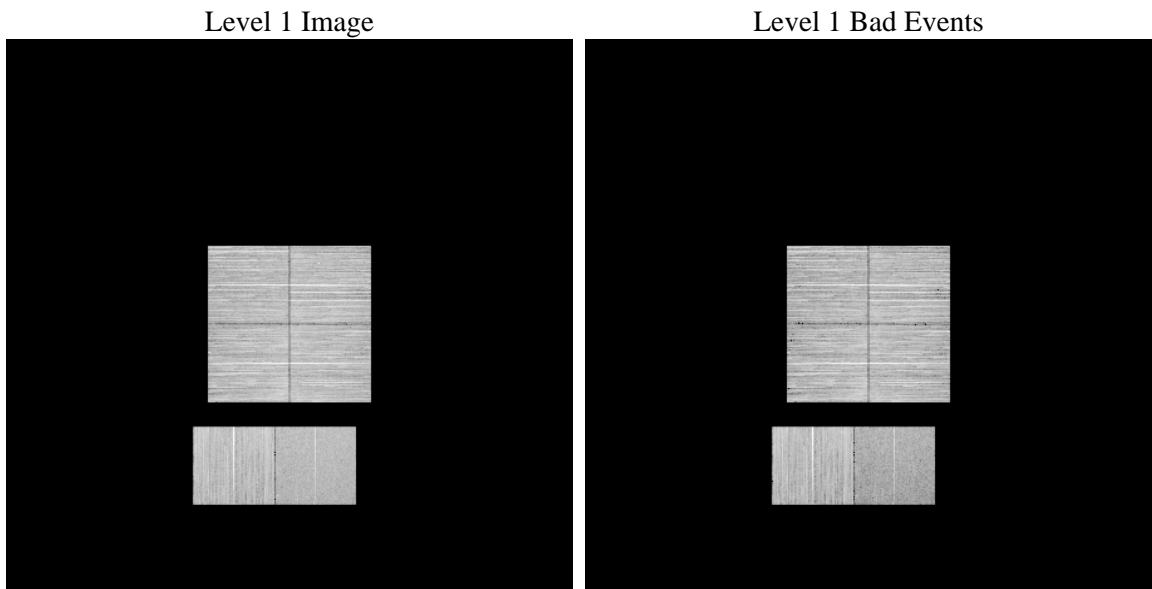
1 Front

seq_num	 	Sequence number
obs_id	51355	Observation id
title	ACIS-012367 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	86.016035737518	Nominal RA [deg]
dec_nom	45.992580994358	Nominal Dec [deg]
roll_nom	197.98448355338	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8156.8001215458	Sum of GTIs [s]
livetime	8053.5138069714	Livetime [s]
ontime0	8156.8001215458	Sum of GTIs [s]
ontime1	8156.8001215458	Sum of GTIs [s]
ontime2	8156.8001215458	Sum of GTIs [s]
ontime3	8156.8001215458	Sum of GTIs [s]
ontime6	8156.8001215458	Sum of GTIs [s]
ontime7	8156.8001215458	Sum of GTIs [s]
l2events	145032	Number of level 2 events

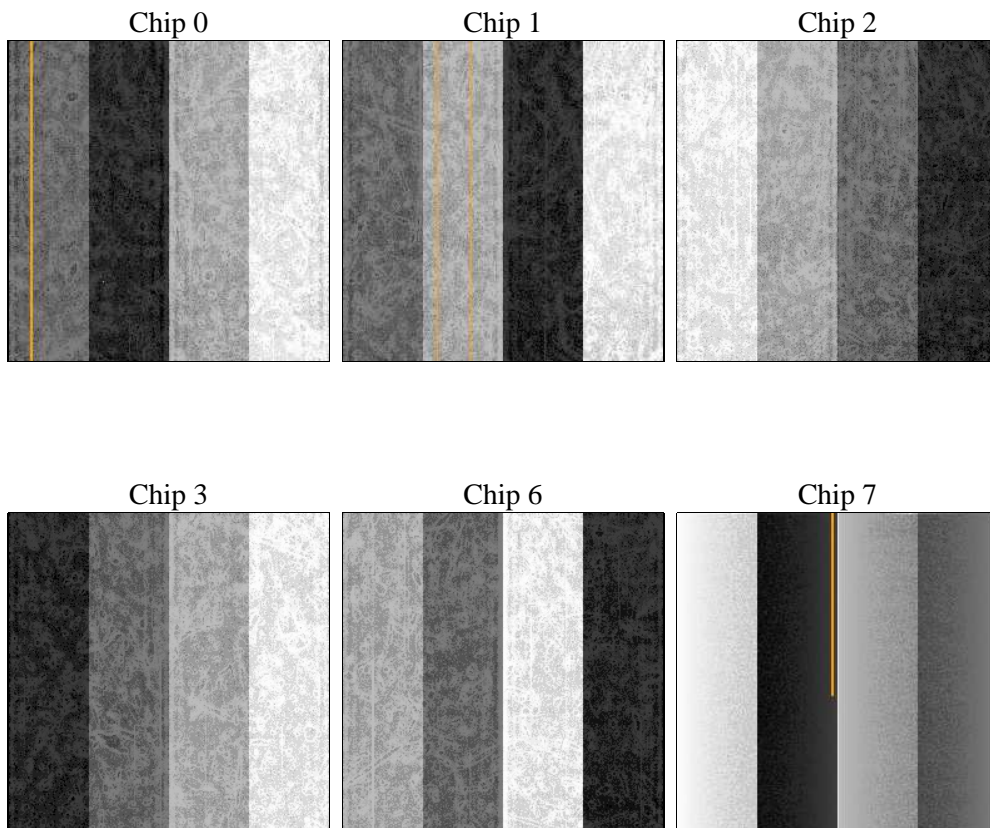
2 OBI

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	Processing system revision	ontime	8156.8001215458	Sum of GTIs [s]
caldbver	4.7.0	 	ontime0	8156.8001215458	Sum of GTIs [s]
date	2016-01-09T14:37:58	Date and time of file creation	ontime1	8156.8001215458	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8156.8001215458	Sum of GTIs [s]
			ontime3	8156.8001215458	Sum of GTIs [s]
			ontime6	8156.8001215458	Sum of GTIs [s]
			ontime7	8156.8001215458	Sum of GTIs [s]
			l1events	947812	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	153736	169350	165109	166073	166137	127407	grade 0 events	9830	9683	10299	10100	9948	5894
rejected events	133011	148406	144538	145510	144849	76446		6%	5%	6%	6%	5%	4%
rejected %	86%	87%	87%	87%	87%	60%	grade 1 events	66	65	89	80	57	107
								0%	0%	0%	0%	0%	0%
							grade 2 events	4671	4852	4362	4193	4752	12796
								3%	2%	2%	2%	2%	10%
							grade 3 events	1545	1467	1492	1569	1522	4056
								1%	0%	0%	0%	0%	3%
							grade 4 events	1505	1519	1476	1574	1479	4074
								0%	0%	0%	0%	0%	3%
							grade 5 events	3269	3236	3056	3524	3420	8524
								2%	1%	1%	2%	2%	6%
							grade 6 events	3497	3724	3272	3434	3910	24914
								2%	2%	1%	2%	2%	19%
							grade 7 events	129353	144804	141063	141599	141049	67042
								84%	85%	85%	85%	84%	52%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
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	86.016035737518	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	45.99258099435806	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	197.9844835533821	[s] Primary exposure time	3.2	3.2
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)	568669085.340696	568669085.340696			
Observation start date	2016-01-08T19:38:05	2016-01-08T19:38:05			
[s] Observation end time (MET)	568678631.377408	568678631.377408			
Observation end date	2016-01-08T22:17:11	2016-01-08T22:17:11			
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)	2016.01.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1568001215458

A.2 Comments