

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51165 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 21 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

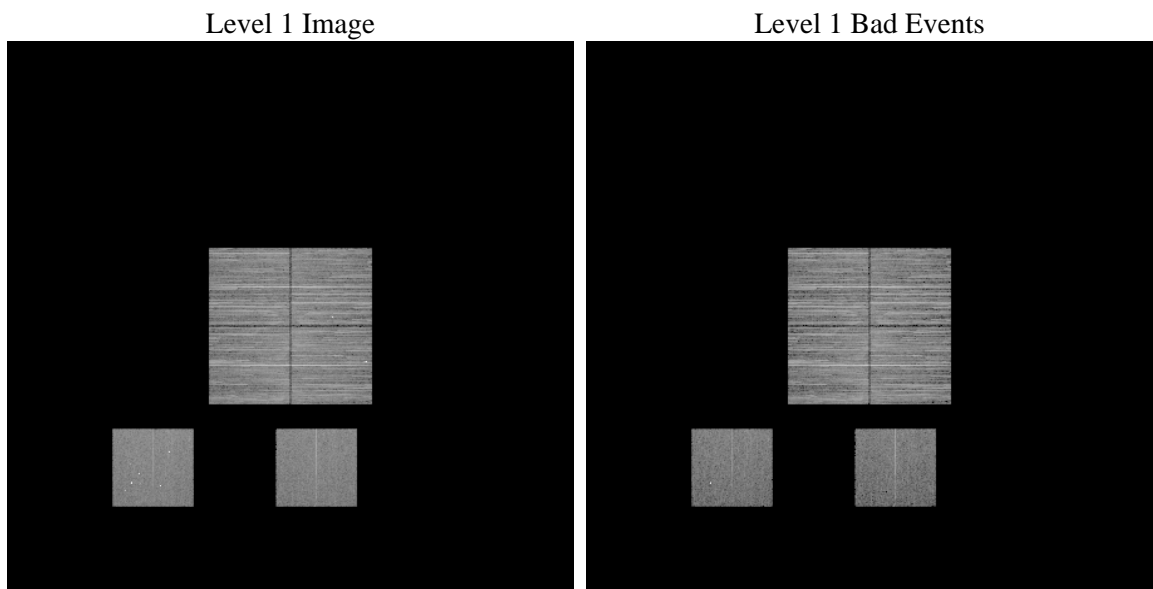
1 Front

seq_num	 	Sequence number
obs_id	51165	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	164.90857425237	Nominal RA [deg]
dec_nom	-29.876110938611	Nominal Dec [deg]
roll_nom	332.47719265319	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6121.6000912189	Sum of GTIs [s]
livetime	6044.0847048789	Livetime [s]
ontime0	6001.6799147129	Sum of GTIs [s]
ontime1	5998.4387842417	Sum of GTIs [s]
ontime2	6004.920894146	Sum of GTIs [s]
ontime3	6004.9209547043	Sum of GTIs [s]
ontime5	6121.6000912189	Sum of GTIs [s]
ontime7	6121.6000912189	Sum of GTIs [s]
l2events	151088	Number of level 2 events

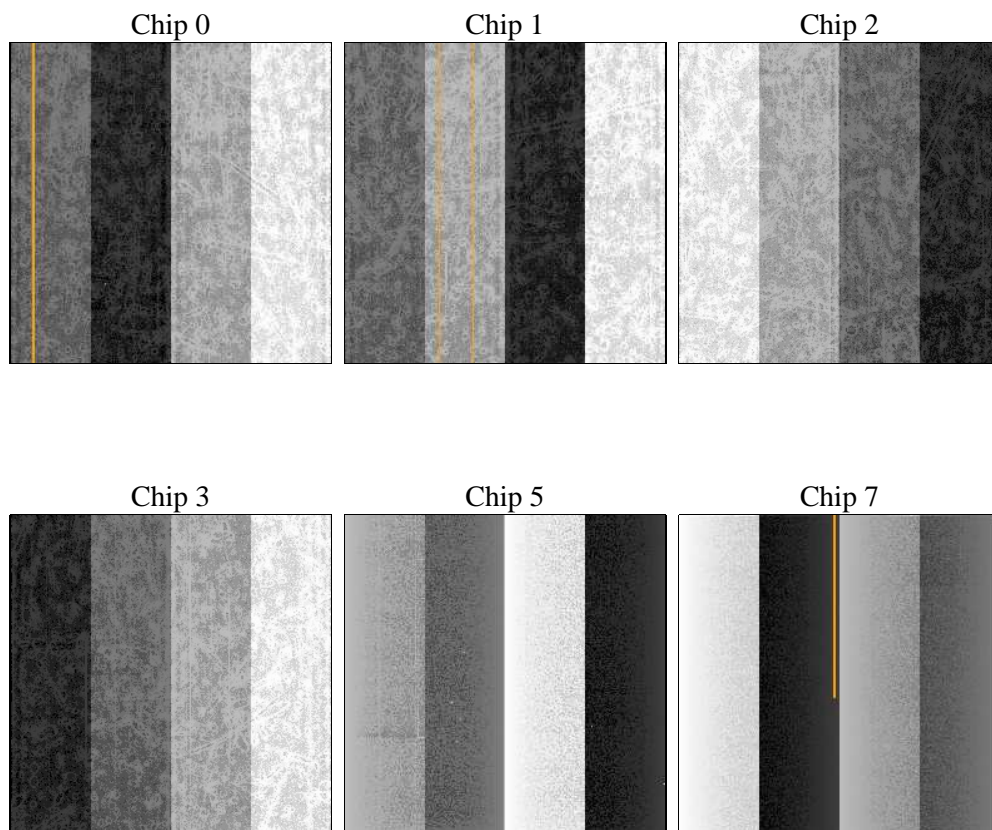
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	6121.6000912189	Sum of GTIs [s]
caldsver	4.7.0	 	ontime0	6001.6799147129	Sum of GTIs [s]
date	2016-03-21T14:27:07	Date and time of file creation	ontime1	5998.4387842417	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6004.920894146	Sum of GTIs [s]
			ontime3	6004.9209547043	Sum of GTIs [s]
			ontime5	6121.6000912189	Sum of GTIs [s]
			ontime7	6121.6000912189	Sum of GTIs [s]
			l1events	753166	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	133058	131929	134028	136335	115898	101918	grade 0 events	8446	8868	8877	8906	7982	4793
rejected events	114580	112384	115729	116044	66425	61000		6%	6%	6%	6%	6%	4%
rejected %	86%	85%	86%	85%	57%	59%	grade 1 events	46	60	60	69	155	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	4293	4864	3860	5723	16605	10267
								3%	3%	2%	4%	14%	10%
							grade 3 events	1215	1106	1290	1314	1274	2907
								0%	0%	0%	0%	1%	2%
							grade 4 events	1185	1157	1178	1247	1205	2872
								0%	0%	0%	0%	1%	2%
							grade 5 events	2437	2350	2255	2634	4865	6105
								1%	1%	1%	1%	4%	5%
							grade 6 events	3401	3652	3169	3196	22639	20280
								2%	2%	2%	2%	19%	19%
							grade 7 events	112035	109872	113339	113246	61173	54622
								84%	83%	84%	83%	52%	53%

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	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	164.908574252372	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-29.87611093861111	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	332.4771926531922	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	574880513.879688	574880513.879688			
Observation start date	2016-03-20T17:01:54	2016-03-20T17:01:53			
[s] Observation end time (MET)	574890906.6120009	574890906.6120009			
Observation end date	2016-03-20T19:55:07	2016-03-20T19:55:06			
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)	2016.03.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.1216000912189

A.2 Comments