

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51004 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 23 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

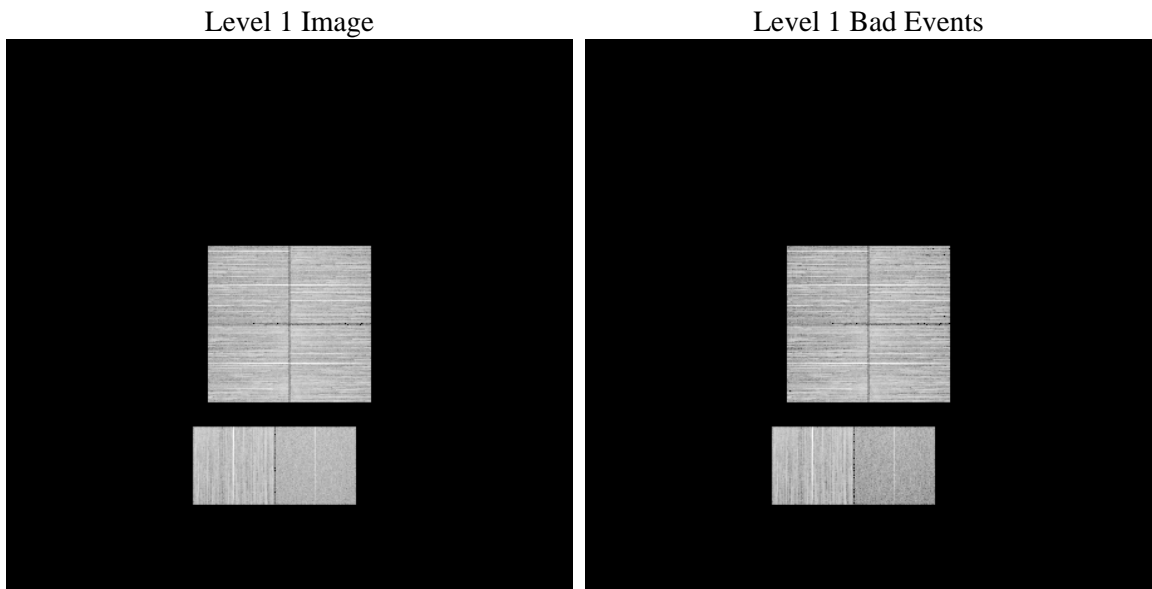
1 Front

seq_num	 	Sequence number
obs_id	51004	Observation id
title	ACIS-012367 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	214.53964239227	Nominal RA [deg]
dec_nom	-29.585977581699	Nominal Dec [deg]
roll_nom	285.23769163574	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7267.2001082897	Sum of GTIs [s]
livetime	7175.178444736	Livetime [s]
ontime0	7267.2001082897	Sum of GTIs [s]
ontime1	7267.2001082897	Sum of GTIs [s]
ontime2	7267.2001082897	Sum of GTIs [s]
ontime3	7267.2001082897	Sum of GTIs [s]
ontime6	7267.2001082897	Sum of GTIs [s]
ontime7	7267.2001082897	Sum of GTIs [s]
l2events	126289	Number of level 2 events

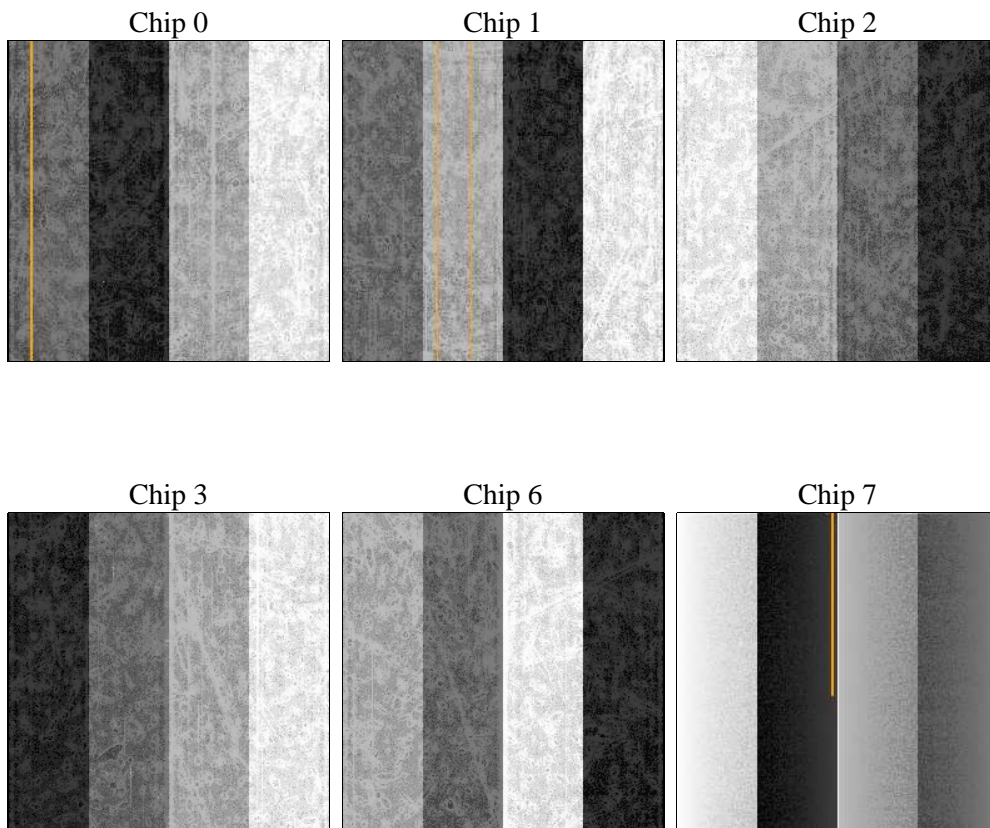
2 OBI

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	7267.2001082897	Sum of GTIs [s]
caldsver	4.7.1	 	ontime0	7267.2001082897	Sum of GTIs [s]
date	2016-05-23T15:28:58	Date and time of file creation	ontime1	7267.2001082897	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7267.2001082897	Sum of GTIs [s]
			ontime3	7267.2001082897	Sum of GTIs [s]
			ontime6	7267.2001082897	Sum of GTIs [s]
			ontime7	7267.2001082897	Sum of GTIs [s]
			l1events	868080	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	134495	154412	154136	154020	154589	116428	grade 0 events	8057	7856	8513	8573	8203	4831
rejected events	116854	136606	136697	136262	136296	70783		5%	5%	5%	5%	5%	4%
rejected %	86%	88%	88%	88%	88%	60%	grade 1 events	61	55	52	86	65	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	3997	4262	3559	3622	4172	11286
								2%	2%	2%	2%	2%	9%
							grade 3 events	1290	1247	1263	1346	1208	3468
								0%	0%	0%	0%	0%	2%
							grade 4 events	1275	1287	1243	1338	1220	3397
								0%	0%	0%	0%	0%	2%
							grade 5 events	2867	2940	2742	3186	3004	7617
								2%	1%	1%	2%	1%	6%
							grade 6 events	3029	3162	2870	2883	3493	22686
								2%	2%	1%	1%	2%	19%
							grade 7 events	113919	133603	133894	132986	133224	63054
								84%	86%	86%	86%	86%	54%

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	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	214.5396423922671	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-29.58597758169891	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	285.2376916357364	[s] Primary exposure time	3.2	3.2
[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)	580365391.693166	580365390.66817			
Observation start date	2016-05-23T04:36:32	2016-05-23T04:36:30			
[s] Observation end time (MET)	580376740.4938149	580376739.46881			
Observation end date	2016-05-23T07:45:40	2016-05-23T07:45:39			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.2672001082897

A.2 Comments