

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51222 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 26 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

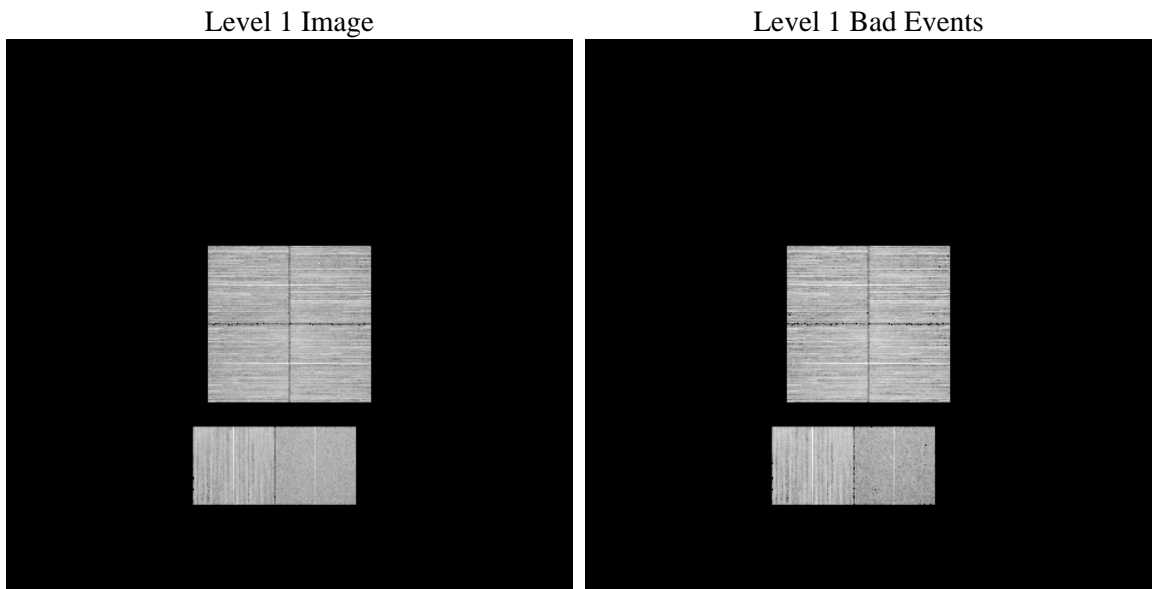
1 Front

seq_num	 	Sequence number
obs_id	51222	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	284.98946725283	Nominal RA [deg]
dec_nom	0.025772541743292	Nominal Dec [deg]
roll_nom	78.749042972234	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5884.2461513281	Sum of GTIs [s]
livetime	5809.7362834923	Livetime [s]
ontime0	5884.2051112652	Sum of GTIs [s]
ontime1	5884.1640713215	Sum of GTIs [s]
ontime2	5884.1230312586	Sum of GTIs [s]
ontime3	5884.2871912718	Sum of GTIs [s]
ontime6	5884.0819913149	Sum of GTIs [s]
ontime7	5884.2461513281	Sum of GTIs [s]
l2events	105492	Number of level 2 events

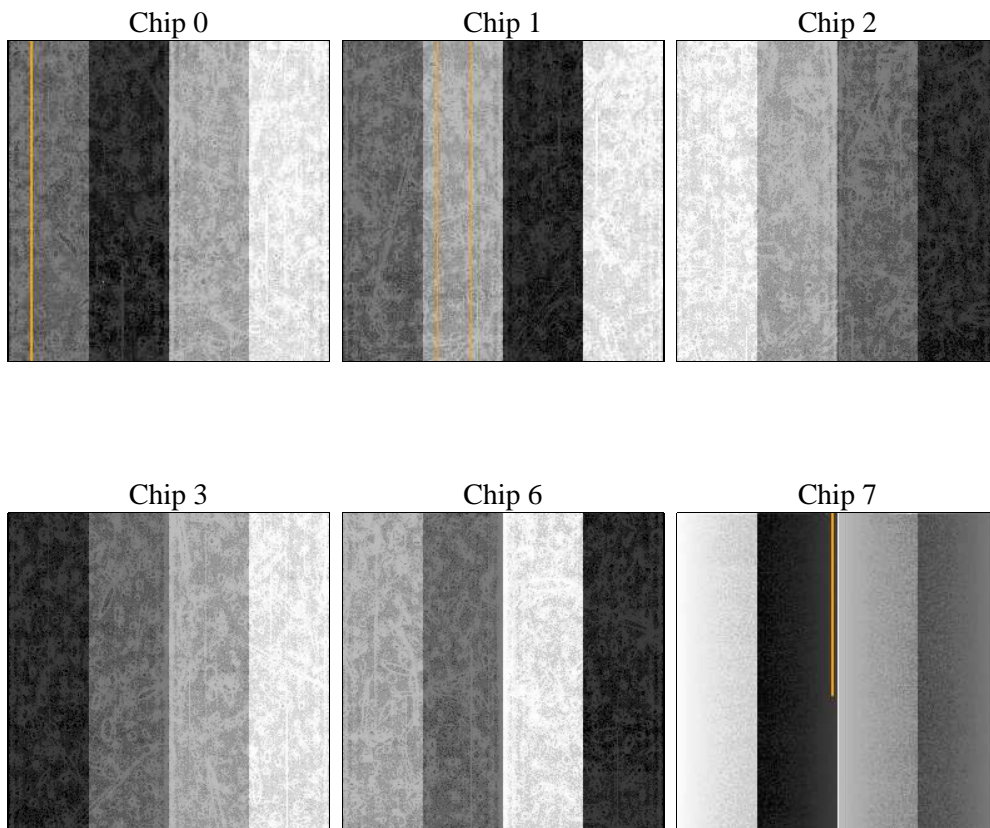
2 OBI

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	5884.2461513281	Sum of GTIs [s]
caldbver	4.7.0	 	ontime0	5884.2051112652	Sum of GTIs [s]
date	2016-02-26T19:43:48	Date and time of file creation	ontime1	5884.1640713215	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5884.1230312586	Sum of GTIs [s]
			ontime3	5884.2871912718	Sum of GTIs [s]
			ontime6	5884.0819913149	Sum of GTIs [s]
			ontime7	5884.2461513281	Sum of GTIs [s]
			l1events	723035	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	117322	125165	123317	131161	128673	97397	grade 0 events	7200	7068	7266	7287	7070	4149
rejected events	102345	109943	108703	116382	113377	59359		6%	5%	5%	5%	5%	4%
rejected %	87%	87%	88%	88%	88%	60%	grade 1 events	46	49	53	59	42	85
								0%	0%	0%	0%	0%	0%
							grade 2 events	3332	3544	3098	3037	3514	9567
								2%	2%	2%	2%	2%	9%
							grade 3 events	1142	1049	1113	1091	1070	2994
								0%	0%	0%	0%	0%	3%
							grade 4 events	1023	1120	1100	1114	1057	2778
								0%	0%	0%	0%	0%	2%
							grade 5 events	2336	2429	2368	2640	2536	6404
								1%	1%	1%	2%	1%	6%
							grade 6 events	2541	2692	2296	2522	2859	19238
								2%	2%	1%	1%	2%	19%
							grade 7 events	99702	107214	106023	113411	110525	52182
								84%	85%	85%	86%	85%	53%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	284.9894672528324
[deg] Pointing Dec	0	0.02577254174329168
[deg] Pointing Roll	0.0	78.74904297223354
[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)	572827477.77697	572827476.7519701
Observation start date	2016-02-25T22:44:38	2016-02-25T22:44:36
[s] Observation end time (MET)	572836192.327466	572836191.30247
Observation end date	2016-02-26T01:09:52	2016-02-26T01:09:51
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.02.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.8842461513281

A.2 Comments