

V&V Reference Report

L2 ASCDS Version : 10.1

Observation 53295 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 19 2013

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

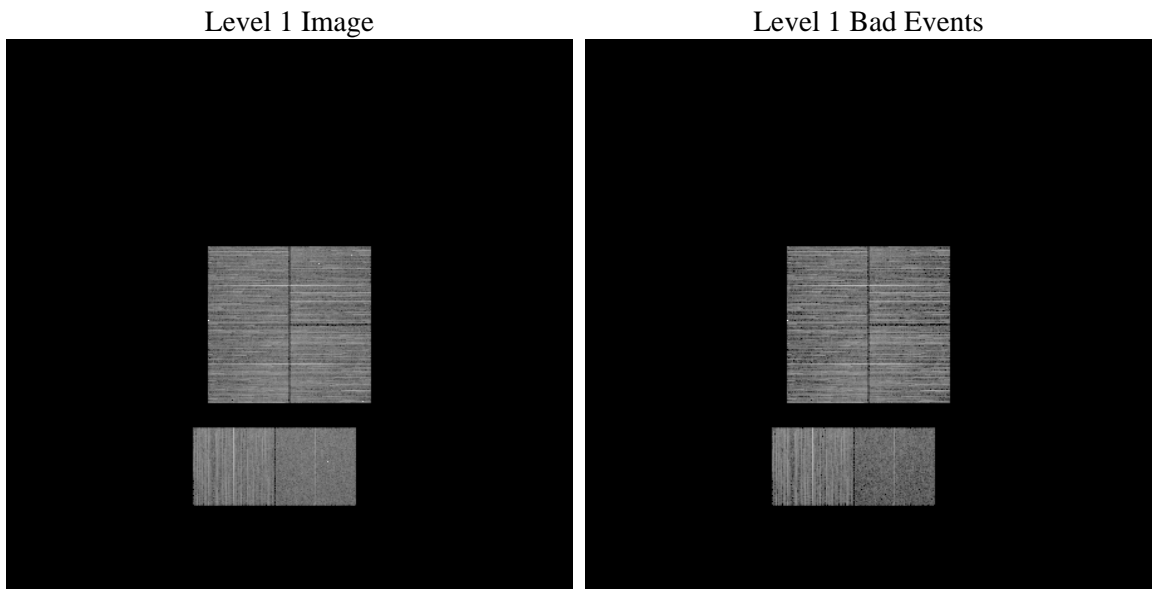
1 Front

seq_num	 	Sequence number
obs_id	53295	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	266.59024400798	Nominal RA [deg]
dec_nom	-29.958621233067	Nominal Dec [deg]
roll_nom	265.23822664367	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4770.1698483825	Sum of GTIs [s]
livetime	4709.7670855108	Livetime [s]
ontime0	4770.1288083792	Sum of GTIs [s]
ontime1	4770.0877683759	Sum of GTIs [s]
ontime2	4770.0467283726	Sum of GTIs [s]
ontime3	4770.2108883858	Sum of GTIs [s]
ontime6	4770.0056883693	Sum of GTIs [s]
ontime7	4770.1698483825	Sum of GTIs [s]
l2events	112212	Number of level 2 events

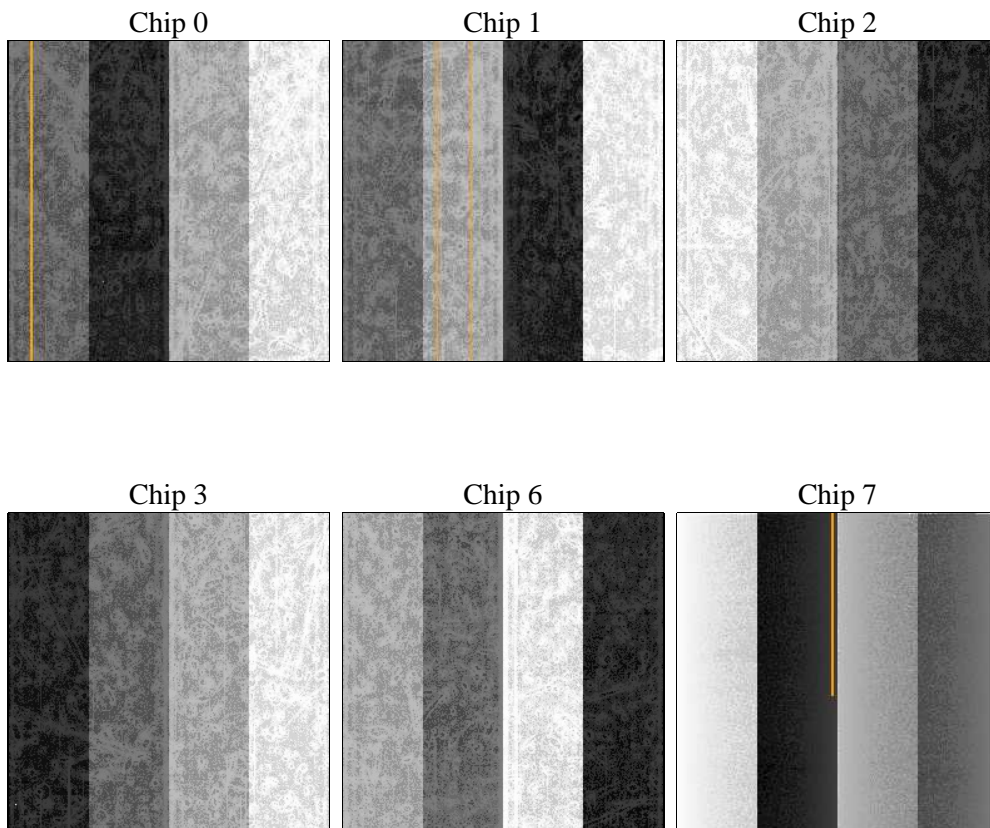
2 OBI

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	10.1	Processing system revision	ontime	4770.1698483825	Sum of GTIs [s]
caldbver	4.5.8	 	ontime0	4770.1288083792	Sum of GTIs [s]
date	2013-10-19T07:24:20	Date and time of file creation	ontime1	4770.0877683759	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4770.0467283726	Sum of GTIs [s]
			ontime3	4770.2108883858	Sum of GTIs [s]
			ontime6	4770.0056883693	Sum of GTIs [s]
			ontime7	4770.1698483825	Sum of GTIs [s]
			l1events	547064	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	95411	91019	92945	98308	97134	72247	grade 0 events	7383	7391	7814	8839	5515	5569
rejected events	77536	72188	75591	79751	79325	39747		7%	8%	8%	8%	5%	7%
rejected %	81%	79%	81%	81%	81%	55%	grade 1 events	35	28	53	39	15	46
								0%	0%	0%	0%	0%	0%
							grade 2 events	5322	6471	4741	4800	7150	7498
								5%	7%	5%	4%	7%	10%
							grade 3 events	921	843	1069	1022	694	2411
								0%	0%	1%	1%	0%	3%
							grade 4 events	893	781	993	1053	714	2226
								0%	0%	1%	1%	0%	3%
							grade 5 events	1348	1328	1264	1607	1320	3608
								1%	1%	1%	1%	1%	4%
							grade 6 events	3529	3514	2909	3003	3916	15080
								3%	3%	3%	3%	4%	20%
							grade 7 events	75980	70663	74102	77945	77810	35809
								79%	77%	79%	79%	80%	49%

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	266.5902440079763
[deg] Pointing Dec	0	-29.95862123306739
[deg] Pointing Roll	0.0	265.2382266436656
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	498524890.743332	498524890.743332
Observation start date	2013-10-18T23:08:11	2013-10-18T23:08:10
[s] Observation end time (MET)	498532506.159129	498532506.159129
Observation end date	2013-10-19T01:15:06	2013-10-19T01:15:06
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.10.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.7701698483825

A.2 Comments