

V&V Reference Report

L2 ASCDS Version : 10.1

Observation 53300 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 16 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

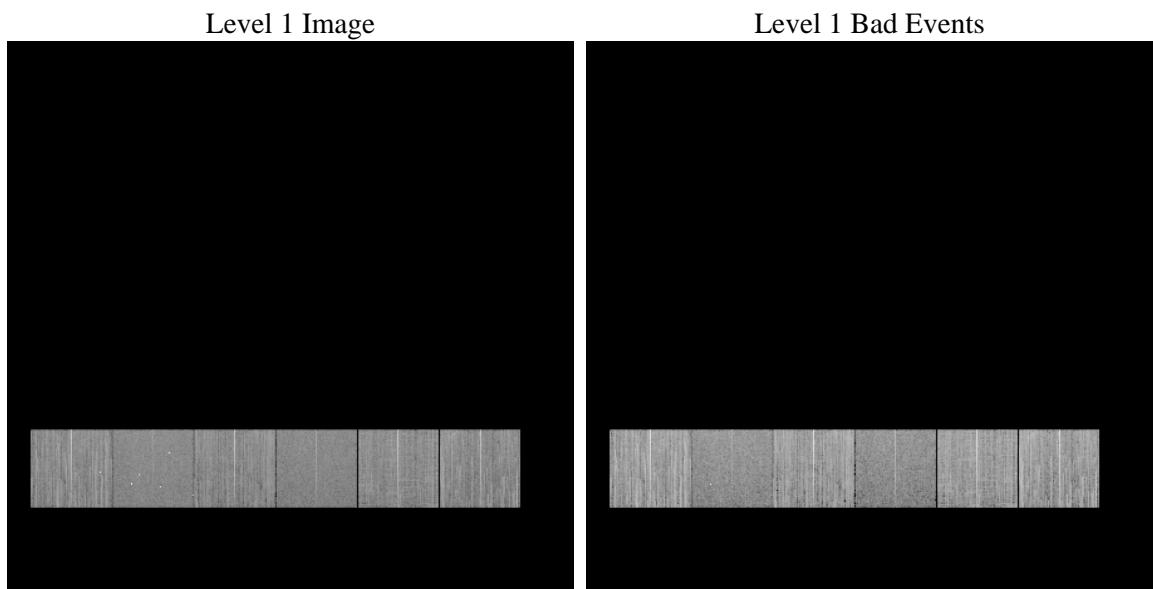
1 Front

seq_num	 	Sequence number
obs_id	53300	Observation id
title	ACIS-456789 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	68.427199268735	Nominal RA [deg]
dec_nom	11.190093684503	Nominal Dec [deg]
roll_nom	101.81831056321	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8238.6039156914	Sum of GTIs [s]
livetime	8134.2817522192	Livetime [s]
ontime4	8238.4807956815	Sum of GTIs [s]
ontime5	8238.5628756881	Sum of GTIs [s]
ontime6	8238.5218356848	Sum of GTIs [s]
ontime7	8238.6039156914	Sum of GTIs [s]
ontime8	8238.4397556782	Sum of GTIs [s]
ontime9	8238.6449556947	Sum of GTIs [s]
l2events	224006	Number of level 2 events

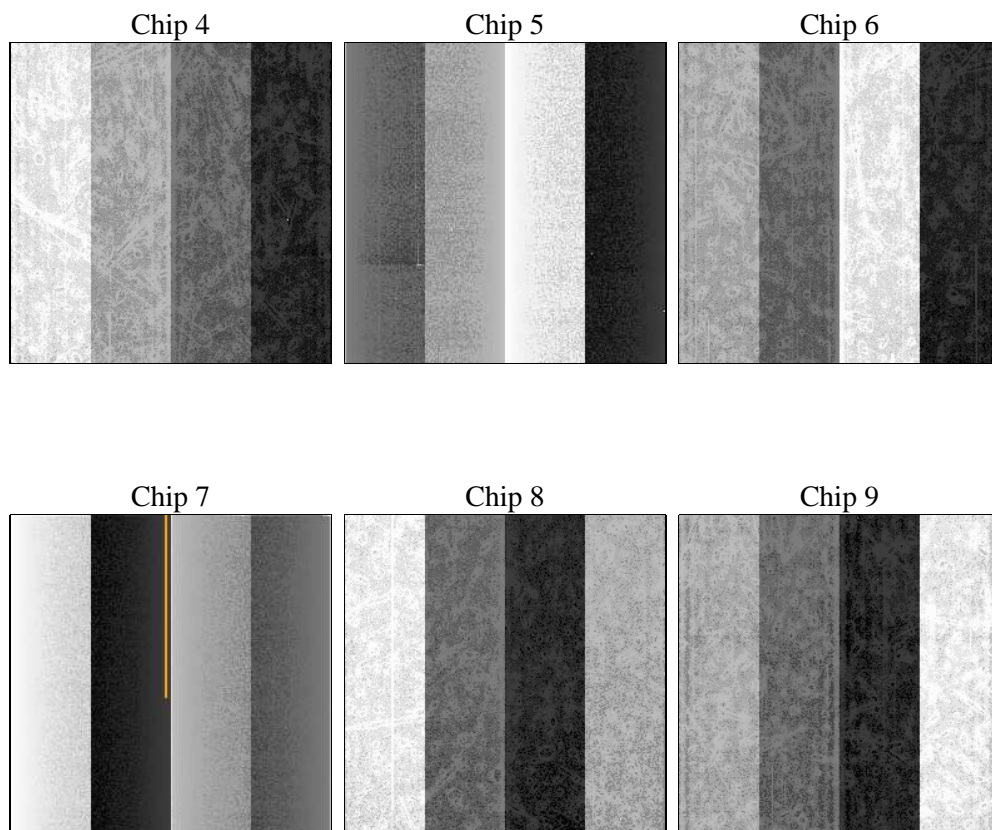
2 OBI

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	8238.6039156914	Sum of GTIs [s]
caldsver	4.5.8	 	ontime4	8238.4807956815	Sum of GTIs [s]
date	2013-10-16T18:06:40	Date and time of file creation	ontime5	8238.5628756881	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8238.5218356848	Sum of GTIs [s]
			ontime7	8238.6039156914	Sum of GTIs [s]
			ontime8	8238.4397556782	Sum of GTIs [s]
			ontime9	8238.6449556947	Sum of GTIs [s]
			l1events	862262	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	158642	133769	145544	119193	153189	151925	grade 0 events	18118	10200	15792	7938	18040	15424
rejected events	126087	70790	114230	64181	113398	121214		11%	7%	10%	6%	11%	10%
rejected %	79%	52%	78%	53%	74%	79%	grade 1 events	112	112	76	107	103	92
								0%	0%	0%	0%	0%	0%
							grade 2 events	6058	22304	6202	13425	8197	5899
								3%	16%	4%	11%	5%	3%
							grade 3 events	2190	2223	2065	4538	3072	2142
								1%	1%	1%	3%	2%	1%
							grade 4 events	2111	2082	1965	4555	2927	2051
								1%	1%	1%	3%	1%	1%
							grade 5 events	3114	6251	3087	7329	4012	3382
								1%	4%	2%	6%	2%	2%
							grade 6 events	4281	26536	5447	24864	7763	5378
								2%	19%	3%	20%	5%	3%
							grade 7 events	122658	64061	110910	56437	109075	117557
								77%	47%	76%	47%	71%	77%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	68.42719926873518
[deg] Pointing Dec	0	11.19009368450349
[deg] Pointing Roll	0.0	101.8183105632066
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)	498298437.480941	498298437.480941
Observation start date	2013-10-16T08:13:57	2013-10-16T08:13:57
[s] Observation end time (MET)	498306948.475477	498306948.475477
Observation end date	2013-10-16T10:35:48	2013-10-16T10:35:48
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)	2013.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2386039156914

A.2 Comments