

V&V Reference Report

L2 ASCDS Version : 10

Observation 53636 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 14 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

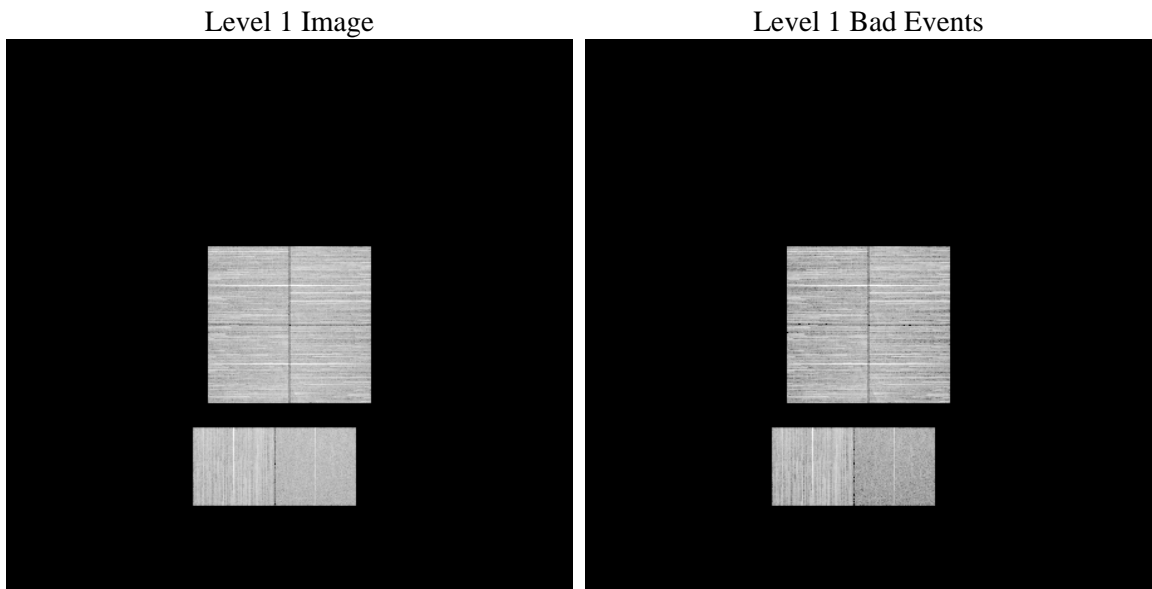
1 Front

seq_num	 	Sequence number
obs_id	53636	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	344.5039936668	Nominal RA [deg]
dec_nom	-24.819009634807	Nominal Dec [deg]
roll_nom	140.61807656762	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8038.3999701142	Sum of GTIs [s]
livetime	7936.6129095493	Livetime [s]
ontime0	8038.3999701142	Sum of GTIs [s]
ontime1	8038.3999701142	Sum of GTIs [s]
ontime2	8038.3999701142	Sum of GTIs [s]
ontime3	8038.3999701142	Sum of GTIs [s]
ontime6	8038.3999701142	Sum of GTIs [s]
ontime7	8038.3999701142	Sum of GTIs [s]
l2events	201335	Number of level 2 events

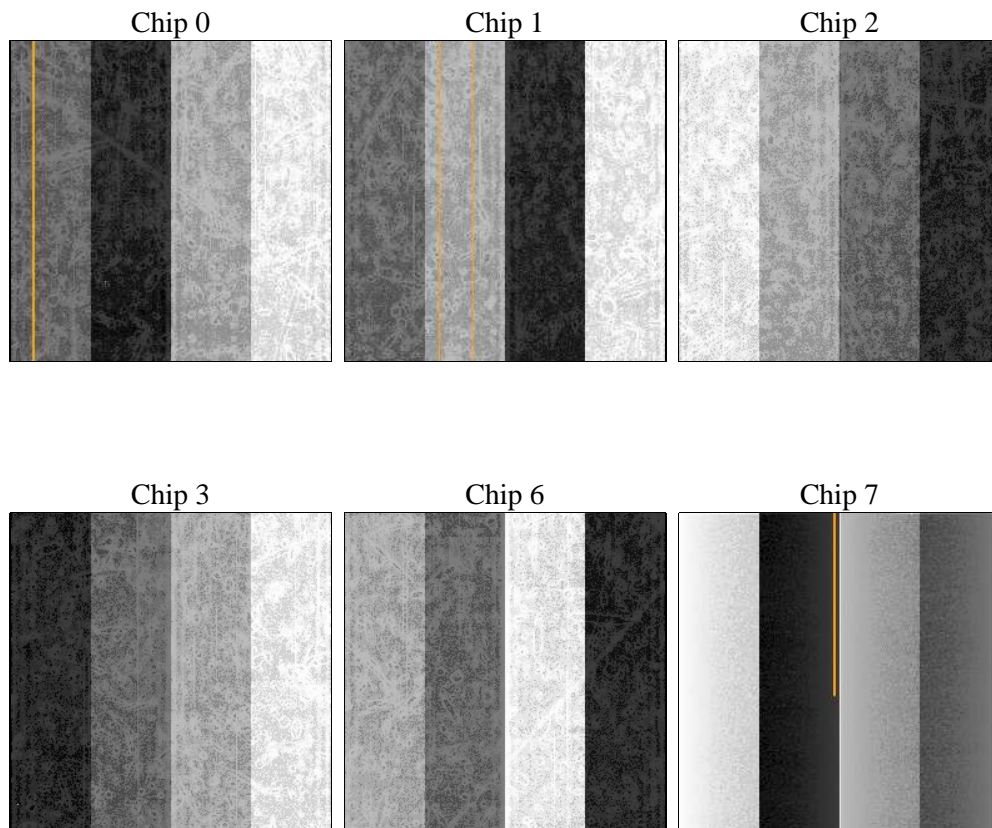
2 OBI

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	Processing system revision	ontime	8038.3999701142	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8038.3999701142	Sum of GTIs [s]
date	2013-06-14T12:04:36	Date and time of file creation	ontime1	8038.3999701142	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8038.3999701142	Sum of GTIs [s]
			ontime3	8038.3999701142	Sum of GTIs [s]
			ontime6	8038.3999701142	Sum of GTIs [s]
			ontime7	8038.3999701142	Sum of GTIs [s]
			l1events	875489	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	144834	160142	145592	144823	158126	121972	grade 0 events	16532	16018	16827	16645	16764	8652
rejected events	113629	128828	114395	113757	125512	65937		11%	10%	11%	11%	10%	7%
rejected %	78%	80%	78%	78%	79%	54%	grade 1 events	76	64	109	83	68	88
								0%	0%	0%	0%	0%	0%
							grade 2 events	6390	6737	6157	6021	6804	14160
								4%	4%	4%	4%	4%	11%
							grade 3 events	2185	2117	2230	2176	2260	4901
								1%	1%	1%	1%	1%	4%
							grade 4 events	2169	2132	2249	2248	2096	4785
								1%	1%	1%	1%	1%	3%
							grade 5 events	2809	2752	2572	3114	3018	7325
								1%	1%	1%	2%	1%	6%
							grade 6 events	4953	5338	4787	4966	5798	25431
								3%	3%	3%	3%	3%	20%
							grade 7 events	109720	124984	110661	109570	121318	56630
								75%	78%	76%	75%	76%	46%

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	344.5039936667962
[deg] Pointing Dec	0	-24.81900963480705
[deg] Pointing Roll	0.0	140.6180765676158
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)	487557008.845446	487557008.845446
Observation start date	2013-06-14T00:30:09	2013-06-14T00:30:08
[s] Observation end time (MET)	487566557.314174	487566557.314174
Observation end date	2013-06-14T03:09:17	2013-06-14T03:09:17
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0383999701142

A.2 Comments