

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55011 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 27 2012

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

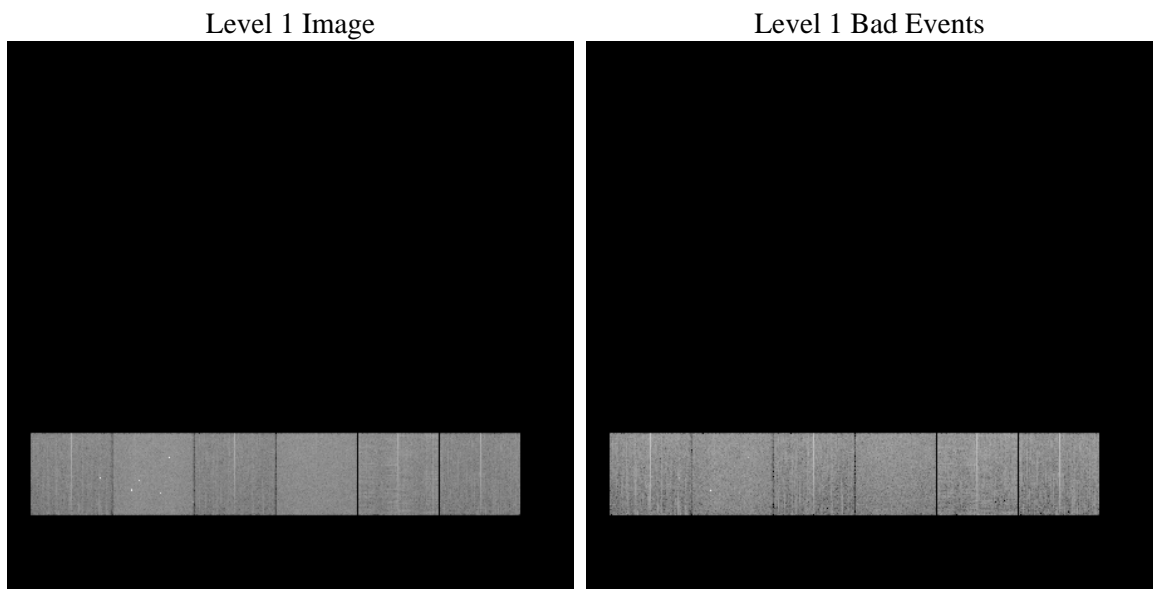
1 Front

seq_num	 	Sequence number
obs_id	55011	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	72.024559435571	Nominal RA [deg]
dec_nom	-3.9848764287493	Nominal Dec [deg]
roll_nom	358.72885481028	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7836.7999708652	Sum of GTIs [s]
livetime	7737.5656908797	Livetime [s]
ontime4	7836.7999708652	Sum of GTIs [s]
ontime5	7836.7999708652	Sum of GTIs [s]
ontime6	7836.7999708652	Sum of GTIs [s]
ontime7	7836.7999708652	Sum of GTIs [s]
ontime8	7836.7999708652	Sum of GTIs [s]
ontime9	7836.7999708652	Sum of GTIs [s]
l2events	300760	Number of level 2 events

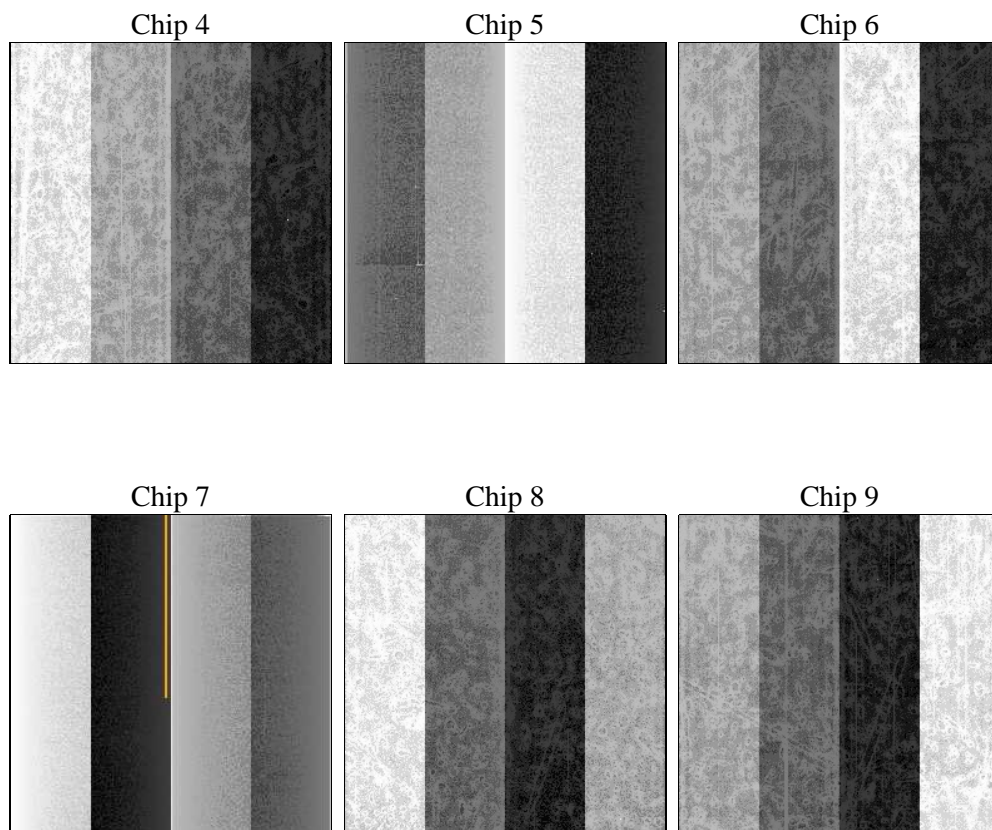
2 OBI

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	8.4.3	Processing system revision	ontime	7836.7999708652	Sum of GTIs [s]
caldsver	4.4.8	 	ontime4	7836.7999708652	Sum of GTIs [s]
date	2012-02-28T03:12:30	Date and time of file creation	ontime5	7836.7999708652	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7836.7999708652	Sum of GTIs [s]
			ontime7	7836.7999708652	Sum of GTIs [s]
			ontime8	7836.7999708652	Sum of GTIs [s]
			ontime9	7836.7999708652	Sum of GTIs [s]
			l1events	700616	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	103713	140068	102780	129968	121741	102346	grade 0 events	25941	11627	24066	12094	26415	23256
rejected events	60133	63075	57784	59471	66670	59419		25%	8%	23%	9%	21%	22%
rejected %	57%	45%	56%	45%	54%	58%	grade 1 events	234	140	117	108	164	162
								0%	0%	0%	0%	0%	0%
							grade 2 events	7078	27604	8539	15813	11142	7850
								6%	19%	8%	12%	9%	7%
							grade 3 events	3062	3095	3039	6400	4298	2951
								2%	2%	2%	4%	3%	2%
							grade 4 events	3063	2986	3017	6361	4155	3060
								2%	2%	2%	4%	3%	2%
							grade 5 events	3505	7931	3616	8926	4806	4049
								3%	5%	3%	6%	3%	3%
							grade 6 events	5859	34015	7826	32041	10824	7266
								5%	24%	7%	24%	8%	7%
							grade 7 events	54971	52670	52560	48225	59937	53752
								53%	37%	51%	37%	49%	52%

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	72.02455943557078
[deg] Pointing Dec	0	-3.984876428749346
[deg] Pointing Roll	0.0	358.7288548102802
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)	439572204.255178	439572204.255178
Observation start date	2011-12-06T15:23:24	2011-12-06T15:23:24
[s] Observation end time (MET)	439581532.58318	439581532.58318
Observation end date	2011-12-06T17:58:53	2011-12-06T17:58:52
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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8367999708652

A.2 Comments