

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56946 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 10 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

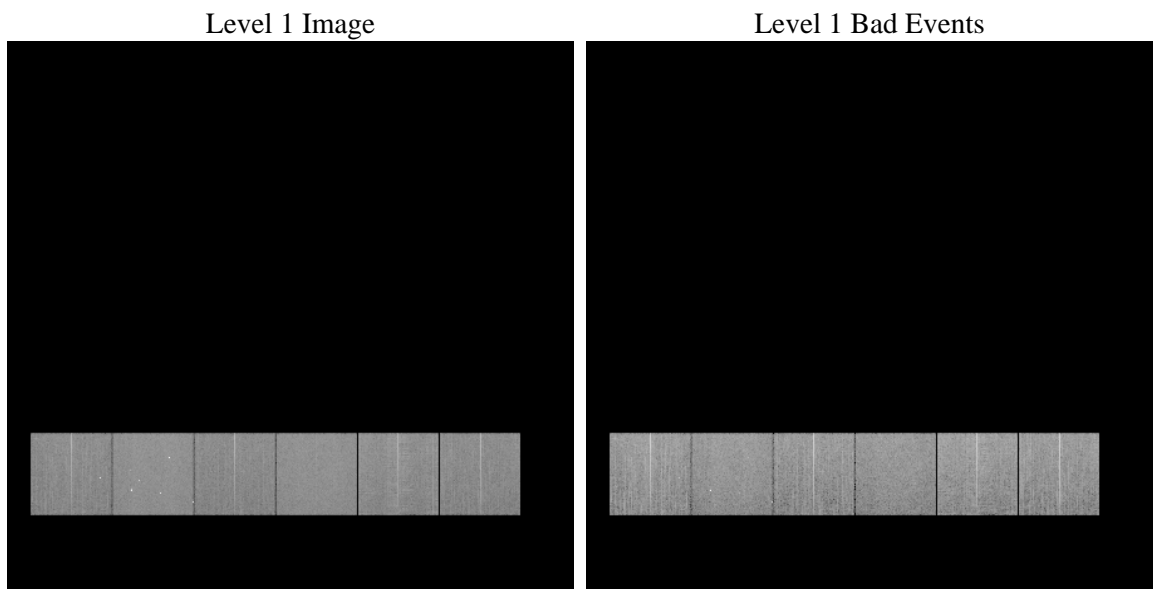
1 Front

seq_num	 	Sequence number
obs_id	56946	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	281.55853452597	Nominal RA [deg]
dec_nom	11.48190488281	Nominal Dec [deg]
roll_nom	196.33305336802	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8281.5999692082	Sum of GTIs [s]
livetime	8176.7333638173	Livetime [s]
ontime4	8281.5999692082	Sum of GTIs [s]
ontime5	8281.5999692082	Sum of GTIs [s]
ontime6	8281.5999692082	Sum of GTIs [s]
ontime7	8281.5999692082	Sum of GTIs [s]
ontime8	8281.5999692082	Sum of GTIs [s]
ontime9	8281.5999692082	Sum of GTIs [s]
l2events	513780	Number of level 2 events

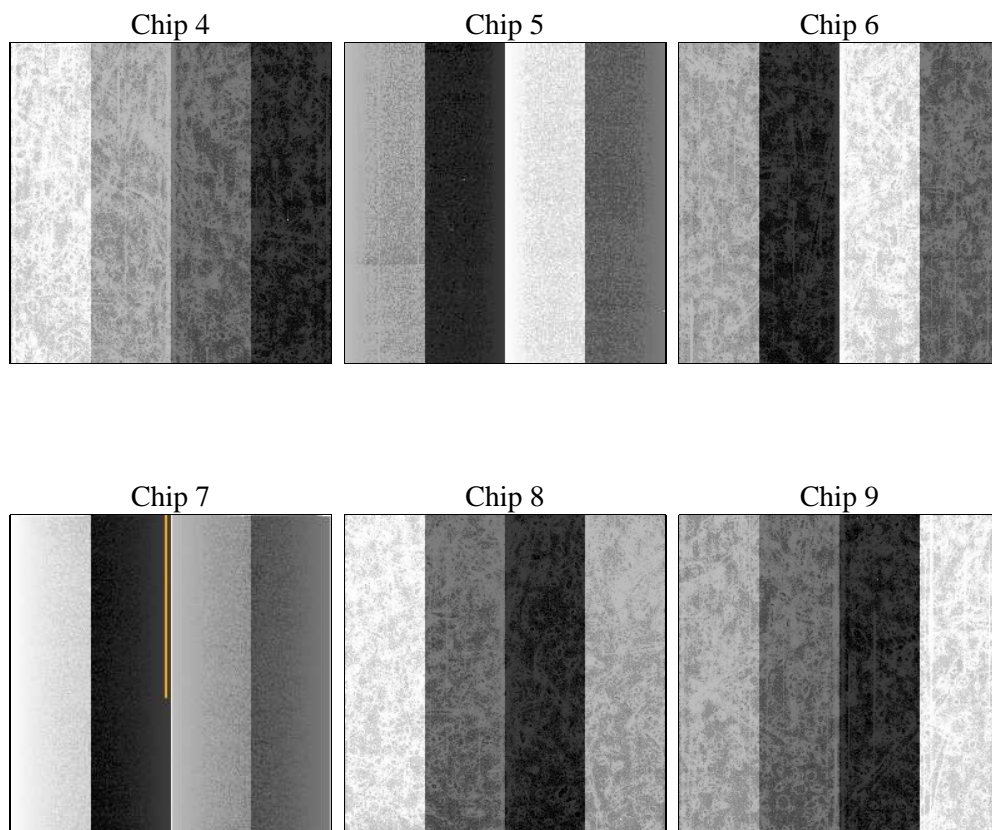
2 OBI

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	8.4.5	Processing system revision	ontime	8281.5999692082	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	8281.5999692082	Sum of GTIs [s]
date	2012-06-10T14:11:36	Date and time of file creation	ontime5	8281.5999692082	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8281.5999692082	Sum of GTIs [s]
			ontime7	8281.5999692082	Sum of GTIs [s]
			ontime8	8281.5999692082	Sum of GTIs [s]
			ontime9	8281.5999692082	Sum of GTIs [s]
			l1events	1085557	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	169483	205683	162098	193372	189151	165770	grade 0 events	44601	21096	41619	21430	46751	41800
rejected events	92768	82892	83224	76815	94998	88671		26%	10%	25%	11%	24%	25%
rejected %	54%	40%	51%	39%	50%	53%	grade 1 events	434	465	317	201	357	308
								0%	0%	0%	0%	0%	0%
							grade 2 events	12295	44062	14675	25699	17952	13787
								7%	21%	9%	13%	9%	8%
							grade 3 events	5532	5495	5225	10942	7264	5305
								3%	2%	3%	5%	3%	3%
							grade 4 events	5500	5278	5315	11053	7044	5311
								3%	2%	3%	5%	3%	3%
							grade 5 events	4510	10787	4692	12075	6194	5361
								2%	5%	2%	6%	3%	3%
							grade 6 events	10241	49404	13614	49745	16931	12515
								6%	24%	8%	25%	8%	7%
							grade 7 events	86370	69096	76641	62227	86658	81383
								50%	33%	47%	32%	45%	49%

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	281.5585345259661
[deg] Pointing Dec	0	11.48190488280972
[deg] Pointing Roll	0.0	196.3330533680235
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	364441293.832629	364441293.832629
Observation start date	2009-07-20T01:41:34	2009-07-20T01:41:33
[s] Observation end time (MET)	364451868.998279	364451868.998279
Observation end date	2009-07-20T04:37:49	2009-07-20T04:37:48
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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2815999692082

A.2 Comments