

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55248 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 19 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

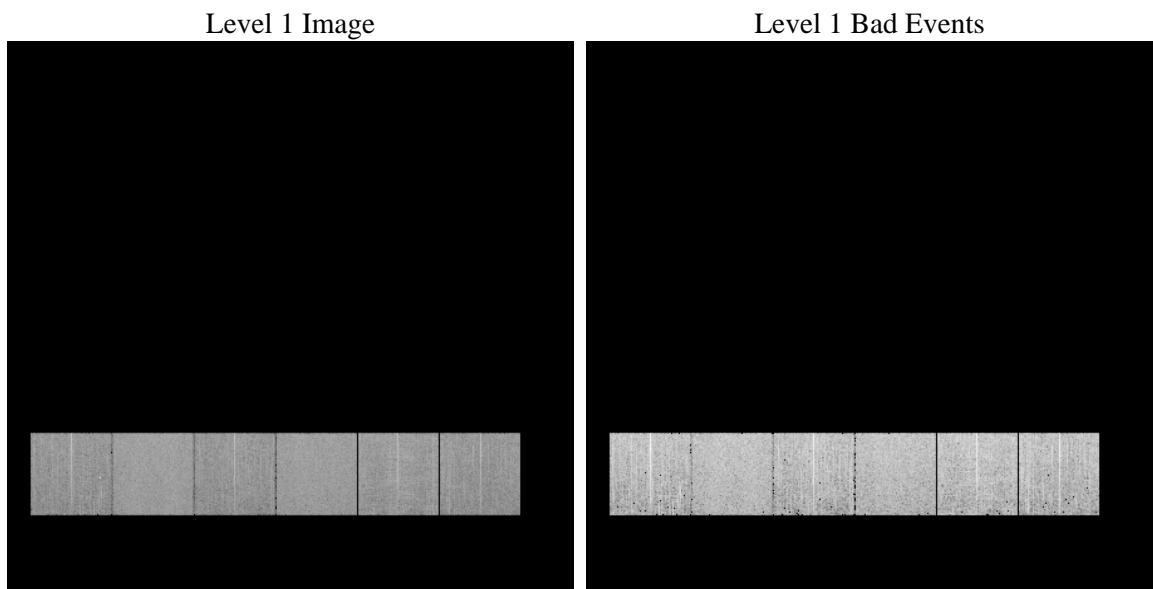
1 Front

seq_num	 	Sequence number
obs_id	55248	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	290.00411736206	Nominal RA [deg]
dec_nom	-2.0341224863922	Nominal Dec [deg]
roll_nom	245.80712849915	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6008.0181459188	Sum of GTIs [s]
livetime	5931.941002561	Livetime [s]
ontime4	6008.1412659287	Sum of GTIs [s]
ontime5	6008.0591859221	Sum of GTIs [s]
ontime6	6008.1002259254	Sum of GTIs [s]
ontime7	6008.0181459188	Sum of GTIs [s]
ontime8	6009.5999776721	Sum of GTIs [s]
ontime9	6007.9771059155	Sum of GTIs [s]
l2events	235853	Number of level 2 events

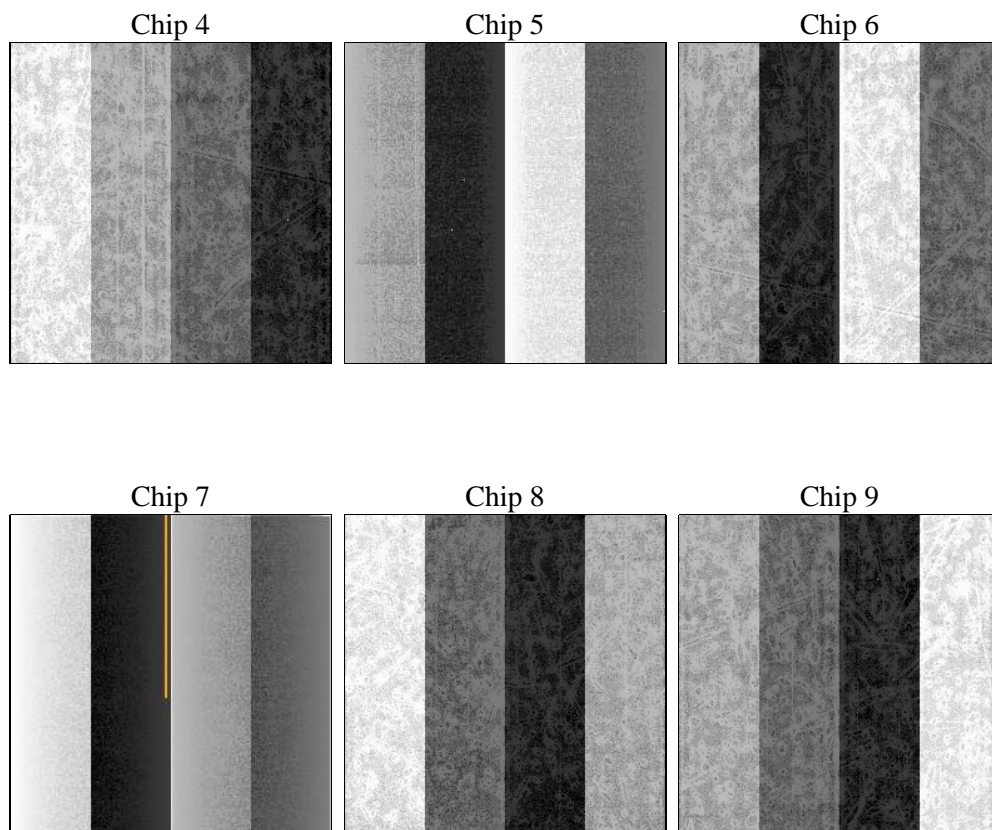
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	6008.0181459188	Sum of GTIs [s]
caldsver	4.4.8	 	ontime4	6008.1412659287	Sum of GTIs [s]
date	2012-02-20T00:37:49	Date and time of file creation	ontime5	6008.0591859221	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	6008.1002259254	Sum of GTIs [s]
			ontime7	6008.0181459188	Sum of GTIs [s]
			ontime8	6009.5999776721	Sum of GTIs [s]
			ontime9	6007.9771059155	Sum of GTIs [s]
			l1events	518695	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	77402	98724	77783	95992	91121	77673	grade 0 events	19468	5721	18090	8927	20699	18228
rejected events	43542	43188	42405	41840	47529	43026		25%	5%	23%	9%	22%	23%
rejected %	56%	43%	54%	43%	52%	55%	grade 1 events	159	92	113	69	132	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	5277	20421	6646	11938	8368	6003
								6%	20%	8%	12%	9%	7%
							grade 3 events	2361	2097	2270	4836	3181	2335
								3%	2%	2%	5%	3%	3%
							grade 4 events	2384	1946	2357	4741	3247	2325
								3%	1%	3%	4%	3%	2%
							grade 5 events	2544	5210	2609	6297	3448	2875
								3%	5%	3%	6%	3%	3%
							grade 6 events	4370	25351	6015	23710	8118	5756
								5%	25%	7%	24%	8%	7%
							grade 7 events	40839	37886	39683	35474	43928	40062
								52%	38%	51%	36%	48%	51%

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	290.0041173620563
[deg] Pointing Dec	0	-2.034122486392226
[deg] Pointing Roll	0.0	245.8071284991469
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	429547302.14118	429547301.11619
Observation start date	2011-08-12T14:41:42	2011-08-12T14:41:41
[s] Observation end time (MET)	429557004.791688	429557003.7667
Observation end date	2011-08-12T17:23:25	2011-08-12T17:23:23
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.0080181459188

A.2 Comments