

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54350 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 7 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

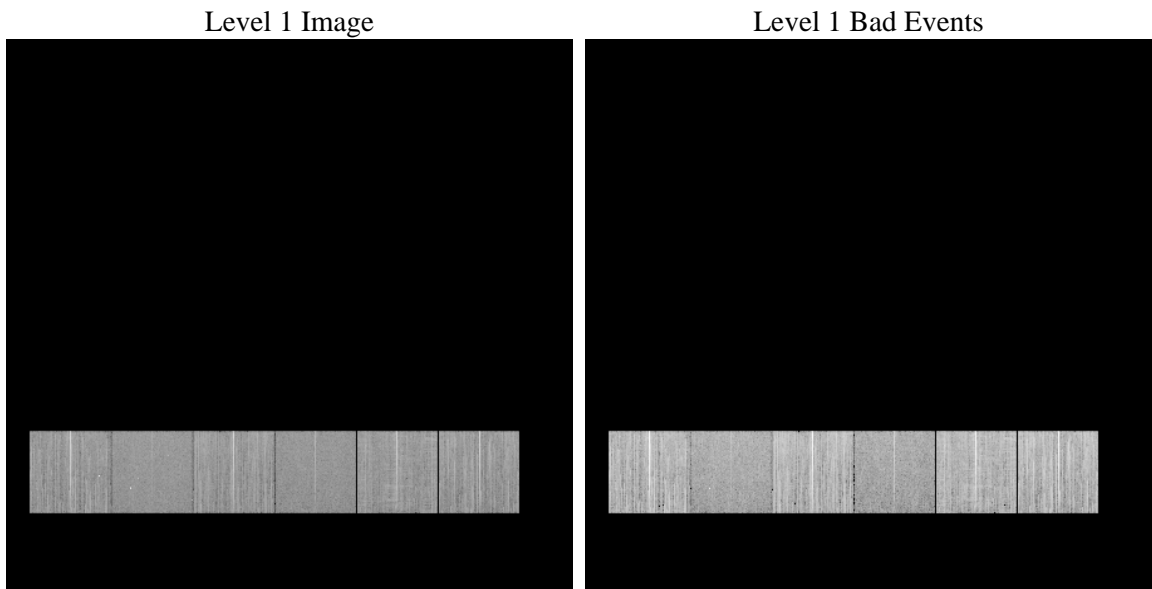
1 Front

seq_num	 	Sequence number
obs_id	54350	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	180.68340409609	Nominal RA [deg]
dec_nom	42.05653066368	Nominal Dec [deg]
roll_nom	276.7218909093	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8137.5999697447	Sum of GTIs [s]
livetime	8034.5567790533	Livetime [s]
ontime4	8137.5999697447	Sum of GTIs [s]
ontime5	8137.5999697447	Sum of GTIs [s]
ontime6	8137.5999697447	Sum of GTIs [s]
ontime7	8137.5999697447	Sum of GTIs [s]
ontime8	8137.5999697447	Sum of GTIs [s]
ontime9	8137.5999697447	Sum of GTIs [s]
l2events	268169	Number of level 2 events

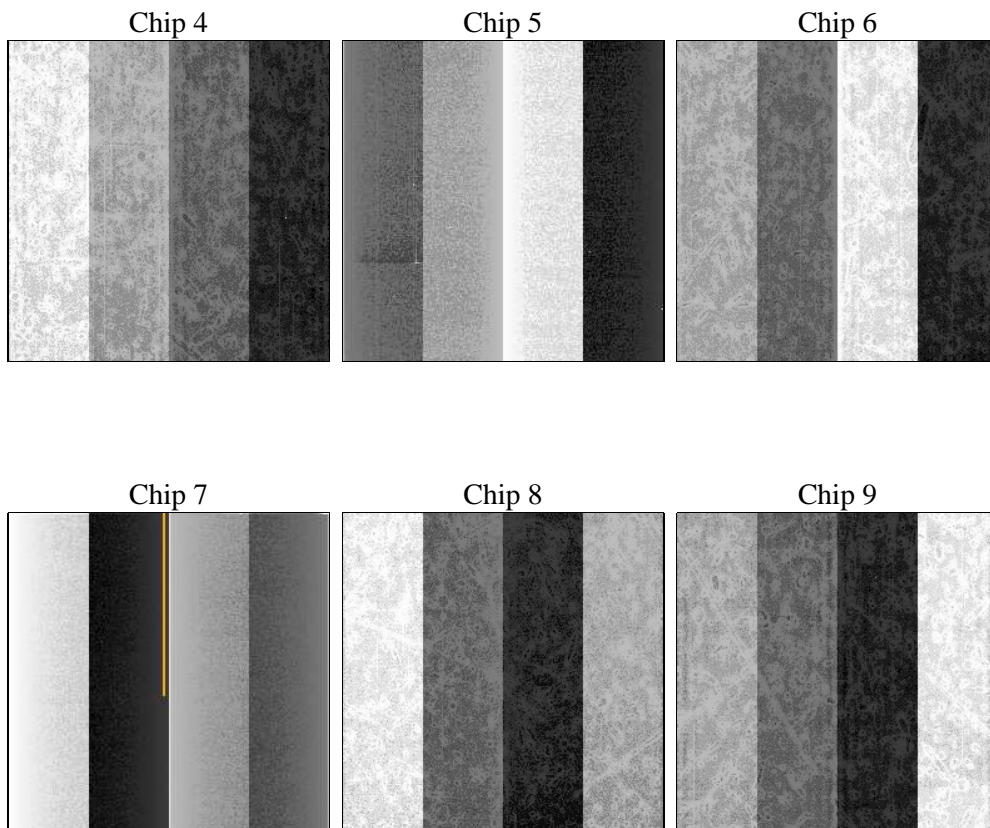
2 OBI

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	8.4.5	Processing system revision	ontime	8137.5999697447	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	8137.5999697447	Sum of GTIs [s]
date	2012-09-07T11:45:38	Date and time of file creation	ontime5	8137.5999697447	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8137.5999697447	Sum of GTIs [s]
			ontime7	8137.5999697447	Sum of GTIs [s]
			ontime8	8137.5999697447	Sum of GTIs [s]
			ontime9	8137.5999697447	Sum of GTIs [s]
			l1events	912192	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	159199	137080	161683	128423	163090	162717	grade 0 events	21962	6941	20336	10104	22869	20256
rejected events	120035	72412	121676	65453	115685	123617		13%	5%	12%	7%	14%	12%
rejected %	75%	52%	75%	50%	70%	75%	grade 1 events	160	138	97	105	119	99
								0%	0%	0%	0%	0%	0%
							grade 2 events	7230	25202	8196	15878	9534	7547
								4%	18%	5%	12%	5%	4%
							grade 3 events	2754	2532	2572	5357	3531	2747
								1%	1%	1%	4%	2%	1%
							grade 4 events	2662	2397	2589	5265	3620	2596
								1%	1%	1%	4%	2%	1%
							grade 5 events	3049	6104	3085	7270	3875	3439
								1%	4%	1%	5%	2%	2%
							grade 6 events	5308	28754	7048	27530	8690	6691
								3%	20%	4%	21%	5%	4%
							grade 7 events	116074	65012	117760	56914	110852	119342
								72%	47%	72%	44%	67%	73%

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	180.6834040960926
[deg] Pointing Dec	0	42.05653066367982
[deg] Pointing Roll	0.0	276.7218909093007
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)	463337360.438869	463337360.438869
Observation start date	2012-09-06T16:49:20	2012-09-06T16:49:20
[s] Observation end time (MET)	463346850.873258	463346850.873258
Observation end date	2012-09-06T19:27:31	2012-09-06T19:27:30
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1375999697447

A.2 Comments