

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58263 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Apr 29 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

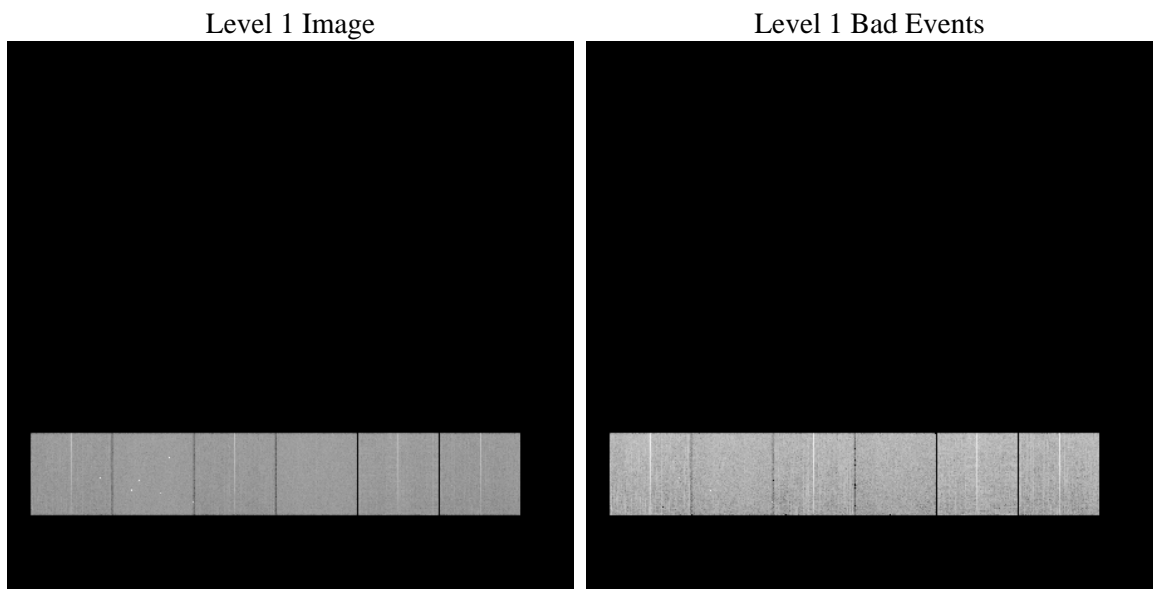
1 Front

seq_num	 	Sequence number
obs_id	58263	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	357.08381064813	Nominal RA [deg]
dec_nom	-16.47573935619	Nominal Dec [deg]
roll_nom	89.69572230014	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7650.2006190419	Sum of GTIs [s]
livetime	7553.3291724058	Livetime [s]
ontime4	7650.077499032	Sum of GTIs [s]
ontime5	7650.1595790386	Sum of GTIs [s]
ontime6	7650.1185390353	Sum of GTIs [s]
ontime7	7650.2006190419	Sum of GTIs [s]
ontime8	7650.0364590287	Sum of GTIs [s]
ontime9	7650.2416590452	Sum of GTIs [s]
l2events	673552	Number of level 2 events

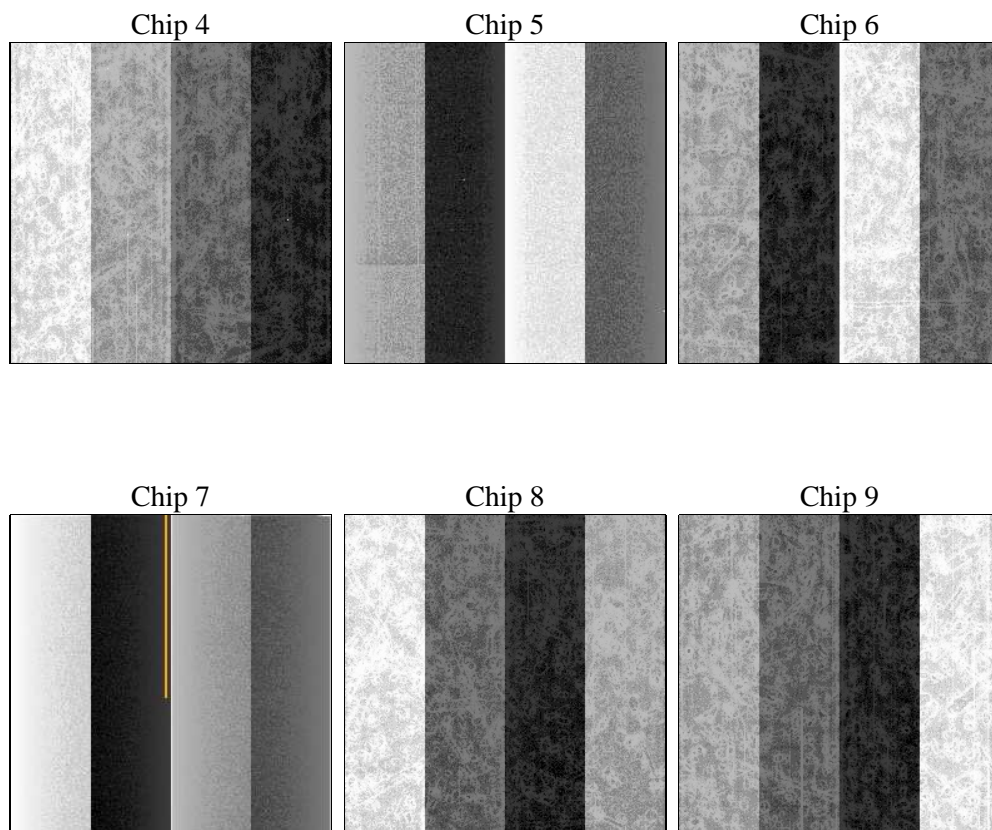
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	6360	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7650.2006190419	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	7650.077499032	Sum of GTIs [s]
date	2012-04-29T15:35:14	Date and time of file creation	ontime5	7650.1595790386	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7650.1185390353	Sum of GTIs [s]
			ontime7	7650.2006190419	Sum of GTIs [s]
			ontime8	7650.0364590287	Sum of GTIs [s]
			ontime9	7650.2416590452	Sum of GTIs [s]
			l1events	1172003	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	186516	206218	186677	204582	205046	182964	grade 0 events	62517	26277	60834	30730	65291	59705
rejected events	80050	68625	74883	63893	80994	74520		33%	12%	32%	15%	31%	32%
rejected %	42%	33%	40%	31%	39%	40%	grade 1 events	593	303	375	157	395	442
								0%	0%	0%	0%	0%	0%
							grade 2 events	17317	49936	20068	31410	23031	19296
								9%	24%	10%	15%	11%	10%
							grade 3 events	7431	7131	7177	13804	9010	7240
								3%	3%	3%	6%	4%	3%
							grade 4 events	7354	6943	7271	13909	8574	7283
								3%	3%	3%	6%	4%	3%
							grade 5 events	4047	9415	4176	10510	5224	4574
								2%	4%	2%	5%	2%	2%
							grade 6 events	13940	49834	18597	53523	20563	16972
								7%	24%	9%	26%	10%	9%
							grade 7 events	73317	56379	68179	50539	72958	67452
								39%	27%	36%	24%	35%	36%

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	357.083810610315	357.0838106481256
[deg] Pointing Dec	-16.47573900286235	-16.47573935618956
[deg] Pointing Roll	89.69572230796607	89.69572230014032
[mm] SIM focus pos	-1.5263399358	-1.5263399358
[mm] SIM defocus	0.006996627355743357	0.006996627355743357
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	303618826.840806	303618826.840806
Observation start date	2007-08-16T03:09:00	2007-08-16T02:33:46
[s] Observation end time (MET)	303628342.390773	303628342.390773
Observation end date	2007-08-16T04:55:00	2007-08-16T05:12:22
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)	2012.05.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.6502006190419

A.2 Comments