

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54812 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 3 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

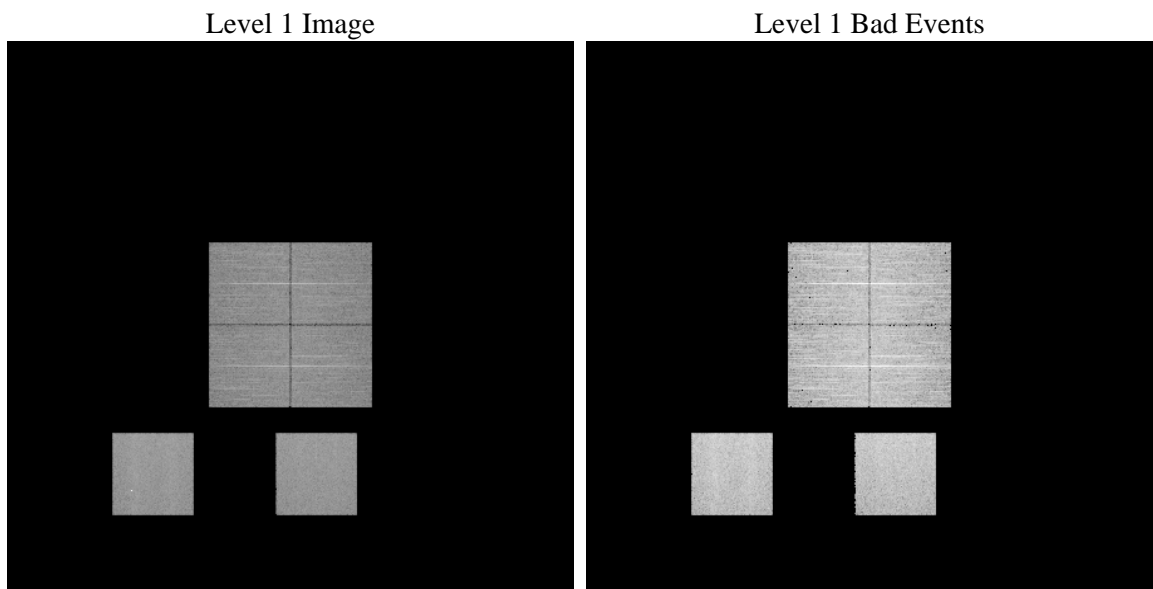
1 Front

seq_num	 	Sequence number
obs_id	54812	Observation id
title	ACIS-012357 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	177.55896141072	Nominal RA [deg]
dec_nom	6.2370773994733	Nominal Dec [deg]
roll_nom	167.82766545062	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8236.7999693751	Sum of GTIs [s]
livetime	8132.5006485574	Livetime [s]
ontime0	8236.7999693751	Sum of GTIs [s]
ontime1	8236.7999693751	Sum of GTIs [s]
ontime2	8236.7999693751	Sum of GTIs [s]
ontime3	8233.5589491129	Sum of GTIs [s]
ontime5	8236.7999693751	Sum of GTIs [s]
ontime7	8236.7999693751	Sum of GTIs [s]
l2events	285696	Number of level 2 events

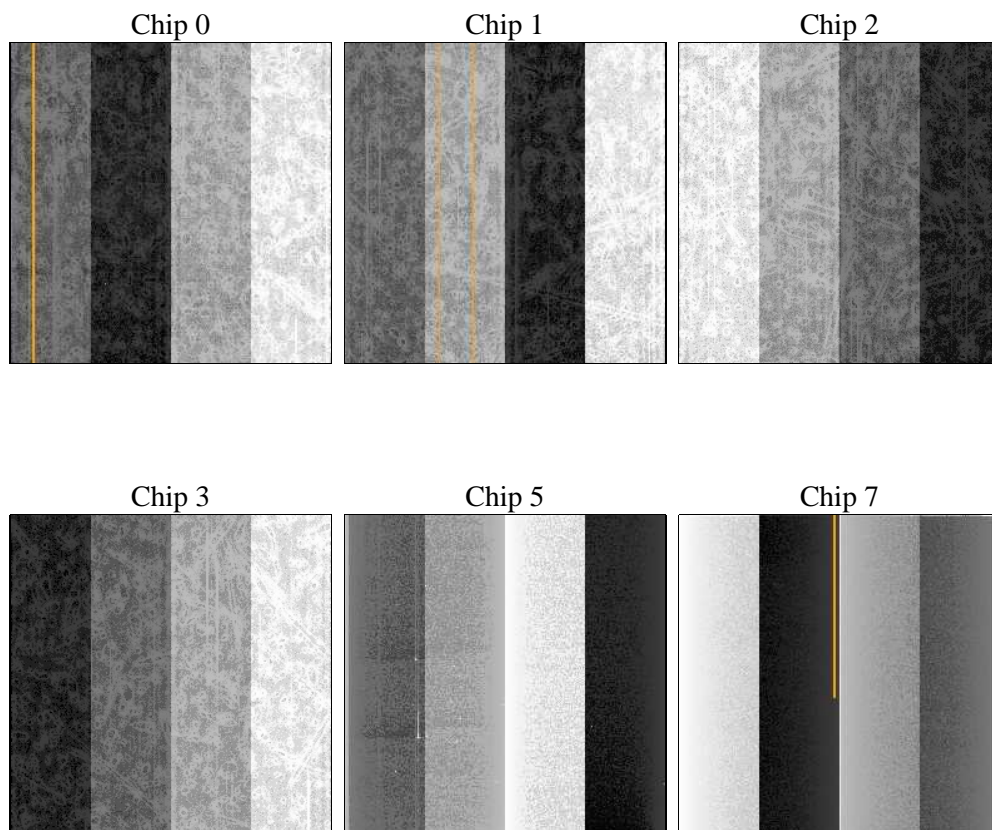
2 OBI

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	8236.7999693751	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	8236.7999693751	Sum of GTIs [s]
date	2012-03-03T18:26:53	Date and time of file creation	ontime1	8236.7999693751	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8236.7999693751	Sum of GTIs [s]
			ontime3	8233.5589491129	Sum of GTIs [s]
			ontime5	8236.7999693751	Sum of GTIs [s]
			ontime7	8236.7999693751	Sum of GTIs [s]
			l1events	633992	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	93721	91645	96032	95229	131532	125833	grade 0 events	20018	17787	21124	21305	6222	10078
rejected events	53291	51170	55975	54728	60068	58082		21%	19%	21%	22%	4%	8%
rejected %	56%	55%	58%	57%	45%	46%	grade 1 events	104	68	137	123	216	99
								0%	0%	0%	0%	0%	0%
							grade 2 events	8761	10786	7603	7830	25774	15233
								9%	11%	7%	8%	19%	12%
							grade 3 events	2665	2386	2641	2665	2673	5448
								2%	2%	2%	2%	2%	4%
							grade 4 events	2566	2364	2719	2685	2621	5353
								2%	2%	2%	2%	1%	4%
							grade 5 events	2886	2787	2705	3152	6210	7840
								3%	3%	2%	3%	4%	6%
							grade 6 events	6659	7394	6198	6236	34588	32023
								7%	8%	6%	6%	26%	25%
							grade 7 events	50062	48073	52905	51233	53228	49759
								53%	52%	55%	53%	40%	39%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	177.5589614107242
[deg] Pointing Dec	0	6.237077399473253
[deg] Pointing Roll	0.0	167.827665450621
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)	447143797.65553	447143797.65553
Observation start date	2012-03-03T06:36:38	2012-03-03T06:36:37
[s] Observation end time (MET)	447153615.317041	447153615.317041
Observation end date	2012-03-03T09:20:15	2012-03-03T09:20:15
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)	2012.03.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2367999693751

A.2 Comments