

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56525 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 20 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

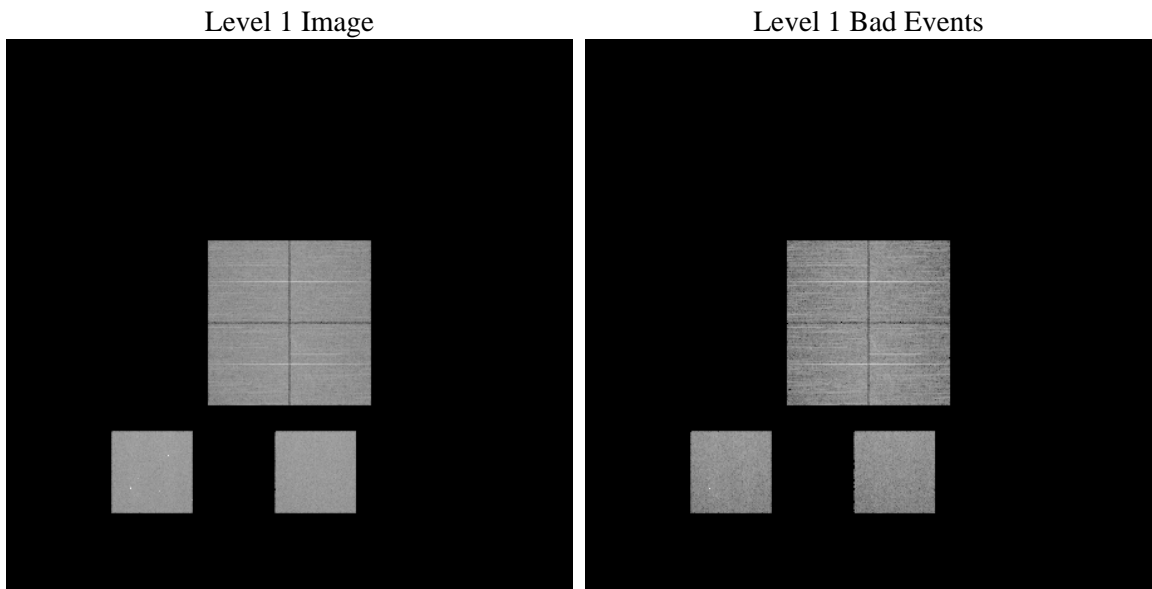
1 Front

seq_num	 	Sequence number
obs_id	56525	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	105.47564392669	Nominal RA [deg]
dec_nom	44.976890796082	Nominal Dec [deg]
roll_nom	200.33649005604	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7881.5999706984	Sum of GTIs [s]
livetime	7781.7984061396	Livetime [s]
ontime0	7881.5999706984	Sum of GTIs [s]
ontime1	7881.5999706984	Sum of GTIs [s]
ontime2	7881.5999706984	Sum of GTIs [s]
ontime3	7881.5999706984	Sum of GTIs [s]
ontime5	7881.5999706984	Sum of GTIs [s]
ontime7	7881.5999706984	Sum of GTIs [s]
l2events	446080	Number of level 2 events

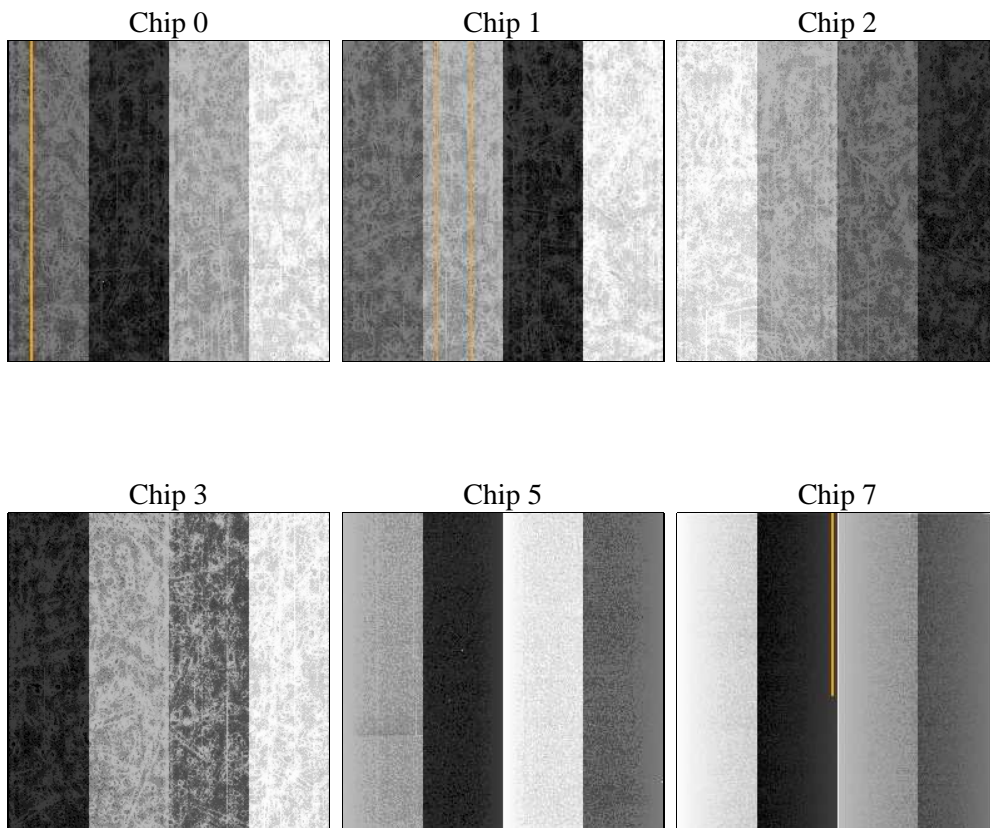
2 OBI

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	7881.5999706984	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	7881.5999706984	Sum of GTIs [s]
date	2012-06-19T23:27:23	Date and time of file creation	ontime1	7881.5999706984	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7881.5999706984	Sum of GTIs [s]
			ontime3	7881.5999706984	Sum of GTIs [s]
			ontime5	7881.5999706984	Sum of GTIs [s]
			ontime7	7881.5999706984	Sum of GTIs [s]
			l1events	894556	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	134998	132980	135765	141428	177589	171796	grade 0 events	34299	33930	34935	35592	14379	18341
rejected events	69747	67269	71031	75463	72696	68774		25%	25%	25%	25%	8%	10%
rejected %	51%	50%	52%	53%	40%	40%	grade 1 events	265	195	264	301	199	162
								0%	0%	0%	0%	0%	0%
							grade 2 events	12015	12412	11314	11532	37443	22285
								8%	9%	8%	8%	21%	12%
							grade 3 events	4464	4278	4591	4644	4860	9426
								3%	3%	3%	3%	2%	5%
							grade 4 events	4483	4512	4442	4529	4444	9378
								3%	3%	3%	3%	2%	5%
							grade 5 events	4017	4059	3771	4479	10091	11214
								2%	3%	2%	3%	5%	6%
							grade 6 events	10027	10610	9480	9691	43811	43629
								7%	7%	6%	6%	24%	25%
							grade 7 events	65428	62984	66968	70660	62362	57361
								48%	47%	49%	49%	35%	33%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	105.4756439266898	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	44.97689079608193	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	200.336490056036	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	379744511.80245	379744510.77746			
Observation start date	2010-01-13T04:35:12	2010-01-13T04:35:10			
[s] Observation end time (MET)	379754122.202935	379754121.17794			
Observation end date	2010-01-13T07:15:22	2010-01-13T07:15:21			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8815999706984

A.2 Comments