

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 55811 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 8 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

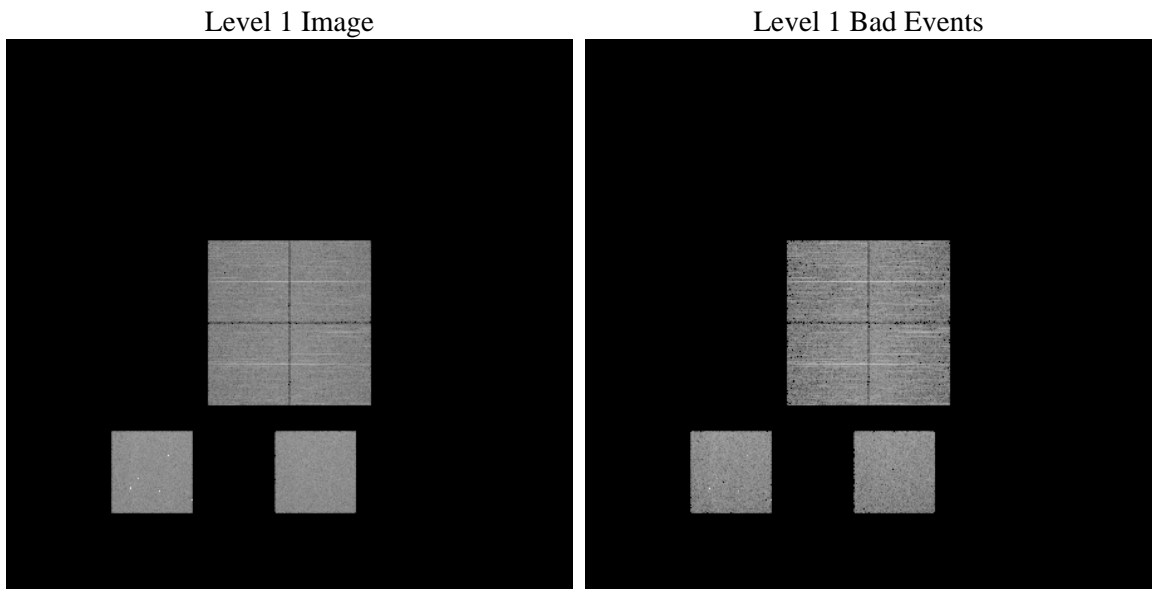
1 Front

seq_num	 	Sequence number
obs_id	55811	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	94.884734734613	Nominal RA [deg]
dec_nom	12.798050282285	Nominal Dec [deg]
roll_nom	74.664152003421	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4537.5999831557	Sum of GTIs [s]
livetime	4480.1421599543	Livetime [s]
ontime0	4537.5999831557	Sum of GTIs [s]
ontime1	4537.5999831557	Sum of GTIs [s]
ontime2	4537.5999831557	Sum of GTIs [s]
ontime3	4537.5999831557	Sum of GTIs [s]
ontime5	4537.5999831557	Sum of GTIs [s]
ontime7	4537.5999831557	Sum of GTIs [s]
l2events	214647	Number of level 2 events

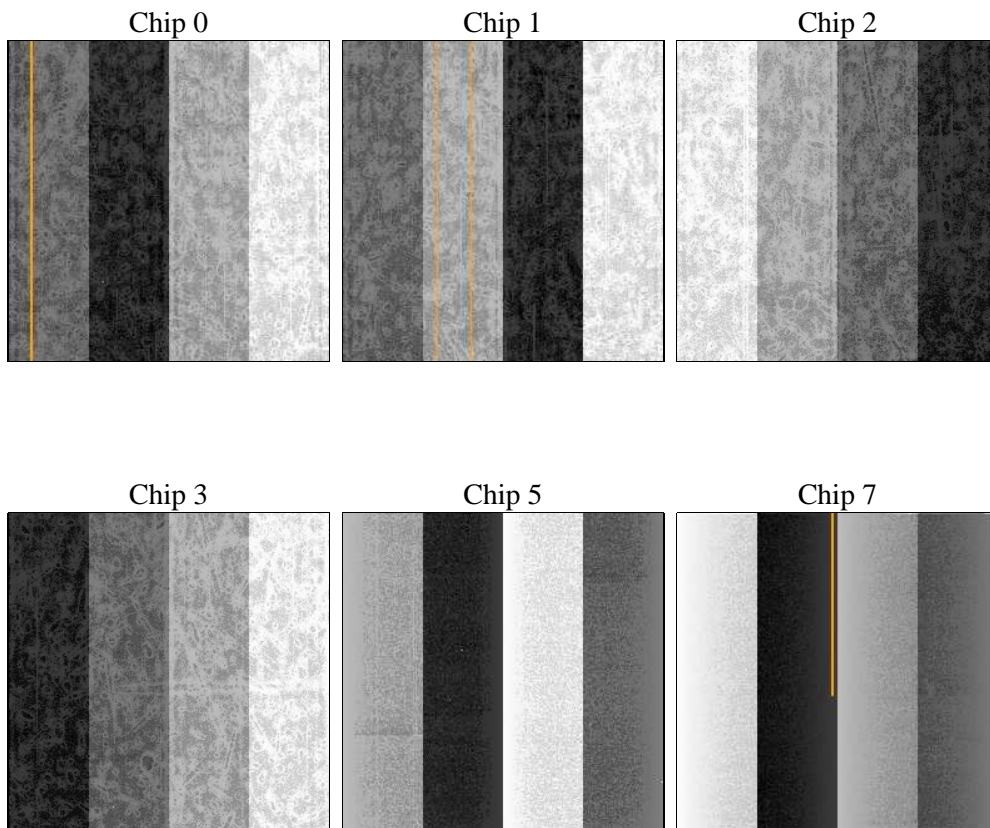
2 OBI

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	4537.5999831557	Sum of GTIs [s]
caldbver	4.5.0	 	ontime0	4537.5999831557	Sum of GTIs [s]
date	2012-07-08T05:26:30	Date and time of file creation	ontime1	4537.5999831557	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4537.5999831557	Sum of GTIs [s]
			ontime3	4537.5999831557	Sum of GTIs [s]
			ontime5	4537.5999831557	Sum of GTIs [s]
			ontime7	4537.5999831557	Sum of GTIs [s]
			l1events	468161	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	69013	68407	69868	73494	96375	91004	grade 0 events	17590	17210	17841	18127	9711	9284
rejected events	37651	37063	38772	41965	42882	41004		25%	25%	25%	24%	10%	10%
rejected %	54%	54%	55%	57%	44%	45%	grade 1 events	120	105	114	125	231	83
								0%	0%	0%	0%	0%	0%
							grade 2 events	6134	6427	5794	5798	19755	11566
								8%	9%	8%	7%	20%	12%
							grade 3 events	2407	2321	2254	2423	2203	5033
								3%	3%	3%	3%	2%	5%
							grade 4 events	2283	2205	2376	2329	2271	4755
								3%	3%	3%	3%	2%	5%
							grade 5 events	2195	2212	2224	2361	5100	6060
								3%	3%	3%	3%	5%	6%
							grade 6 events	5136	5354	4992	5085	23249	22837
								7%	7%	7%	6%	24%	25%
							grade 7 events	33148	32573	34273	37246	33855	31386
								48%	47%	49%	50%	35%	34%

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	94.88473473461346
[deg] Pointing Dec	0	12.79805028228473
[deg] Pointing Roll	0.0	74.66415200342055
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	408499100.670893	408499100.670893
Observation start date	2010-12-11T23:58:21	2010-12-11T23:58:20
[s] Observation end time (MET)	408505197.589898	408505197.589898
Observation end date	2010-12-12T01:39:58	2010-12-12T01:39:57
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)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.5375999831557

A.2 Comments