

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 55901 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 6 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

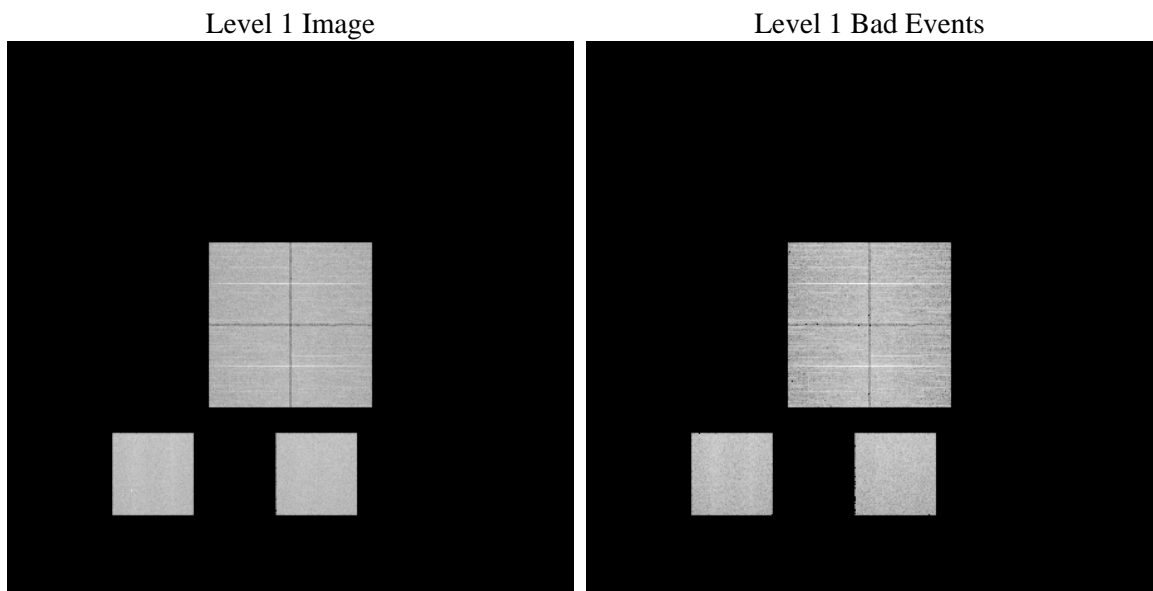
1 Front

seq_num	 	Sequence number
obs_id	55901	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	56.134038944013	Nominal RA [deg]
dec_nom	9.0893121160967	Nominal Dec [deg]
roll_nom	136.97210327454	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8012.7999702096	Sum of GTIs [s]
livetime	7911.3370722579	Livetime [s]
ontime0	8009.5589798689	Sum of GTIs [s]
ontime1	8012.7999702096	Sum of GTIs [s]
ontime2	8009.5589798689	Sum of GTIs [s]
ontime3	8012.7999702096	Sum of GTIs [s]
ontime5	8012.7999702096	Sum of GTIs [s]
ontime7	8012.7999702096	Sum of GTIs [s]
l2events	371392	Number of level 2 events

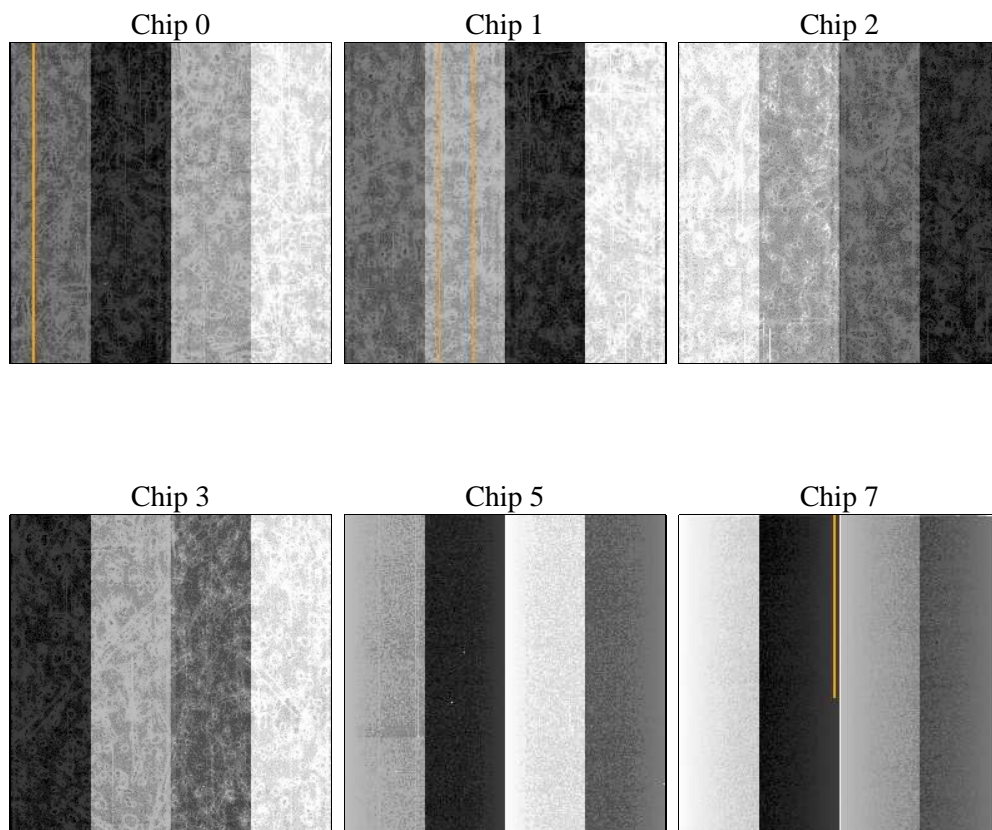
2 OBI

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	8012.7999702096	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	8009.5589798689	Sum of GTIs [s]
date	2012-07-06T13:13:59	Date and time of file creation	ontime1	8012.7999702096	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8009.5589798689	Sum of GTIs [s]
			ontime3	8012.7999702096	Sum of GTIs [s]
			ontime5	8012.7999702096	Sum of GTIs [s]
			ontime7	8012.7999702096	Sum of GTIs [s]
			l1events	784484	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	116804	117140	119330	120750	157000	153460	grade 0 events	29646	28140	30174	30448	9034	14678
rejected events	62662	62663	65497	66463	70014	67634		25%	24%	25%	25%	5%	9%
rejected %	53%	53%	54%	55%	44%	44%	grade 1 events	176	172	196	223	204	117
								0%	0%	0%	0%	0%	0%
							grade 2 events	10303	11688	9410	9580	33425	19667
								8%	9%	7%	7%	21%	12%
							grade 3 events	3688	3561	3866	4020	3106	7742
								3%	3%	3%	3%	1%	5%
							grade 4 events	3708	3628	3767	3858	3159	7533
								3%	3%	3%	3%	2%	4%
							grade 5 events	3627	3503	3382	3978	7659	9720
								3%	2%	2%	3%	4%	6%
							grade 6 events	8598	9262	8393	8305	41151	39069
								7%	7%	7%	6%	26%	25%
							grade 7 events	57058	57186	60142	60338	59262	54934
								48%	48%	50%	49%	37%	35%

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	56.13403894401329
[deg] Pointing Dec	0	9.089312116096668
[deg] Pointing Roll	0.0	136.9721032745427
[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)	405331752.107665	405331752.107665
Observation start date	2010-11-05T08:09:12	2010-11-05T08:09:12
[s] Observation end time (MET)	405341368.469351	405341368.469351
Observation end date	2010-11-05T10:49:28	2010-11-05T10:49:28
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)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0127999702096

A.2 Comments