

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 60046 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 9 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

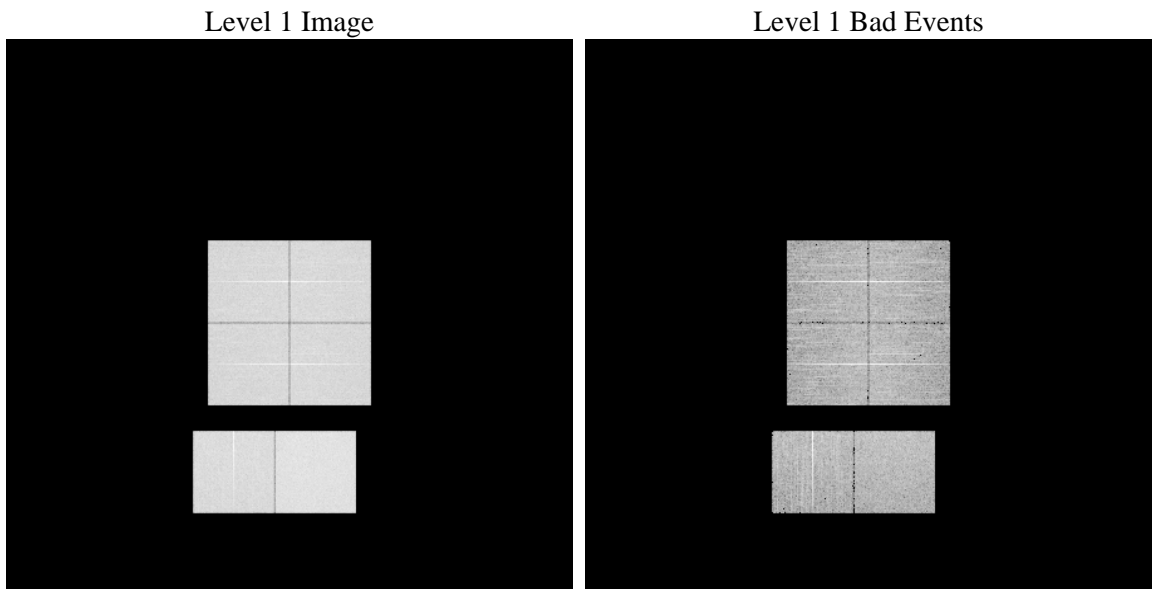
1 Front

seq_num	 	Sequence number
obs_id	60046	Observation id
title	ACIS-012367 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	114.99087018909	Nominal RA [deg]
dec_nom	30.023751662686	Nominal Dec [deg]
roll_nom	75.086594898638	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8204.1291542351	Sum of GTIs [s]
livetime	8100.2435309507	Livetime [s]
ontime0	6486.3793022335	Sum of GTIs [s]
ontime1	6593.29000175	Sum of GTIs [s]
ontime2	6200.0538778901	Sum of GTIs [s]
ontime3	6366.5457620919	Sum of GTIs [s]
ontime6	6865.4486461878	Sum of GTIs [s]
ontime7	8204.1291542351	Sum of GTIs [s]
l2events	1131191	Number of level 2 events

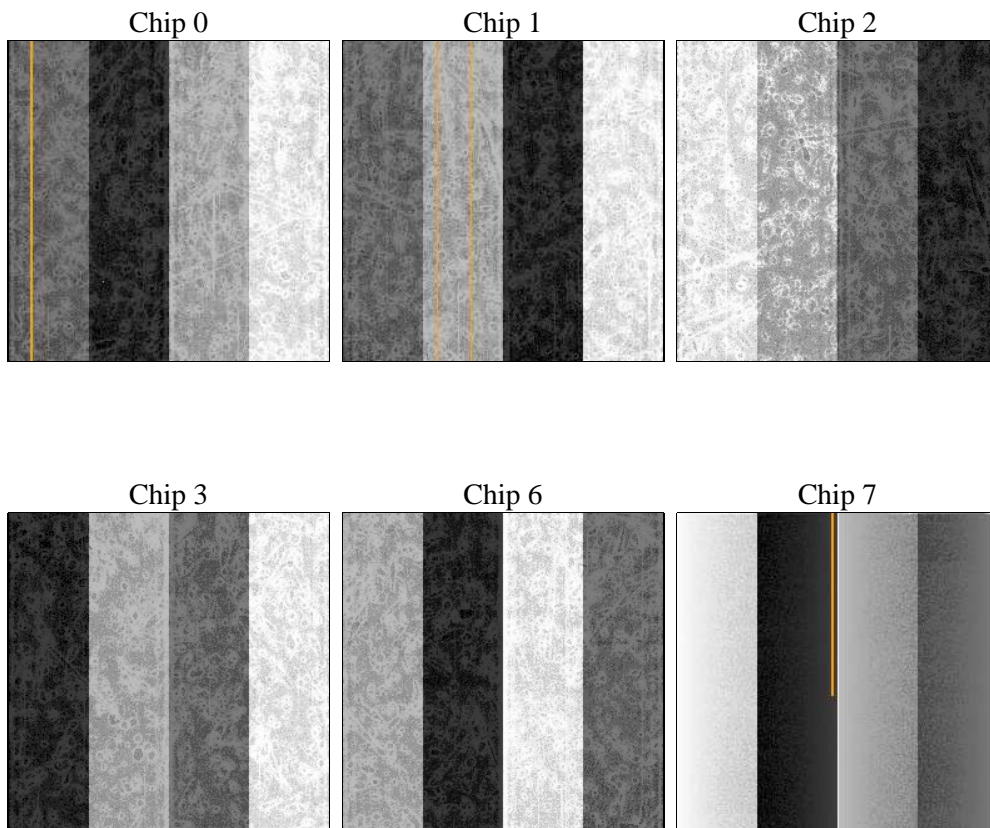
2 OBI

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	8.5	Processing system revision	ontime	8204.1291542351	Sum of GTIs [s]
caldbver	4.5.4	 	ontime0	6486.3793022335	Sum of GTIs [s]
date	2012-12-09T01:23:51	Date and time of file creation	ontime1	6593.29000175	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6200.0538778901	Sum of GTIs [s]
			ontime3	6366.5457620919	Sum of GTIs [s]
			ontime6	6865.4486461878	Sum of GTIs [s]
			ontime7	8204.1291542351	Sum of GTIs [s]
			l1events	1499595	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	232226	236544	226740	233409	257412	313264	grade 0 events	101526	102485	99765	102846	111117	62118
rejected events	49663	50272	50513	52088	54504	55506		43%	43%	43%	44%	43%	19%
rejected %	21%	21%	22%	22%	21%	17%	grade 1 events	644	540	680	668	568	182
								0%	0%	0%	0%	0%	0%
							grade 2 events	32326	33590	29983	31010	35329	57081
								13%	14%	13%	13%	13%	18%
							grade 3 events	12098	12194	11726	11962	12890	26207
								5%	5%	5%	5%	5%	8%
							grade 4 events	11888	12082	11713	12160	12671	25696
								5%	5%	5%	5%	4%	8%
							grade 5 events	3011	3083	2814	3142	3454	9557
								1%	1%	1%	1%	1%	3%
							grade 6 events	26550	27742	24963	25325	32859	89122
								11%	11%	11%	10%	12%	28%
							grade 7 events	44183	44828	45096	46296	48524	43301
								19%	18%	19%	19%	18%	13%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	114.990870189088
[deg] Pointing Dec	0	30.02375166268635
[deg] Pointing Roll	0.0	75.08659489863807
[mm] SIM focus pos	-0.782348	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	211357309.757944	211357308.73295
Observation start date	2004-09-12T06:21:50	2004-09-12T06:21:48
[s] Observation end time (MET)	211380263.608968	211380262.58398
Observation end date	2004-09-12T12:44:24	2004-09-12T12:44:22
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2041291542351

A.2 Comments