

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61102 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 12 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

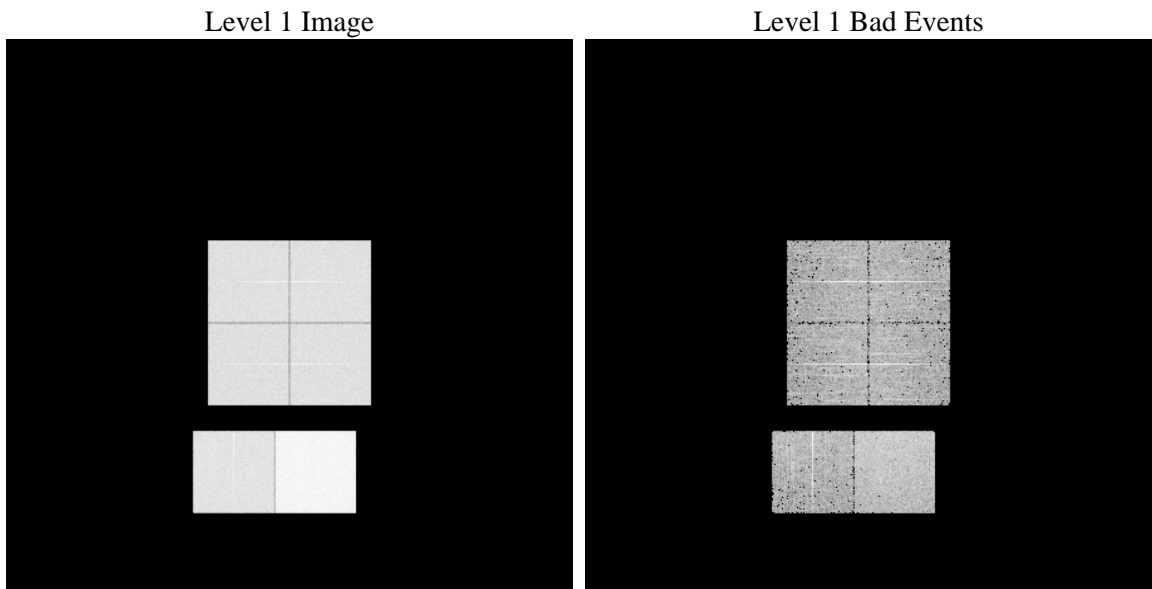
1 Front

seq_num	 	Sequence number
obs_id	61102	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	339.57070859742	Nominal RA [deg]
dec_nom	15.504624210576	Nominal Dec [deg]
roll_nom	137.88690787055	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8438.1100486517	Sum of GTIs [s]
livetime	8331.2616183958	Livetime [s]
ontime0	4046.5464440286	Sum of GTIs [s]
ontime1	4061.0119015276	Sum of GTIs [s]
ontime2	3785.5255640447	Sum of GTIs [s]
ontime3	3916.9884292781	Sum of GTIs [s]
ontime6	4291.1230805814	Sum of GTIs [s]
ontime7	8438.1100486517	Sum of GTIs [s]
l2events	1325569	Number of level 2 events

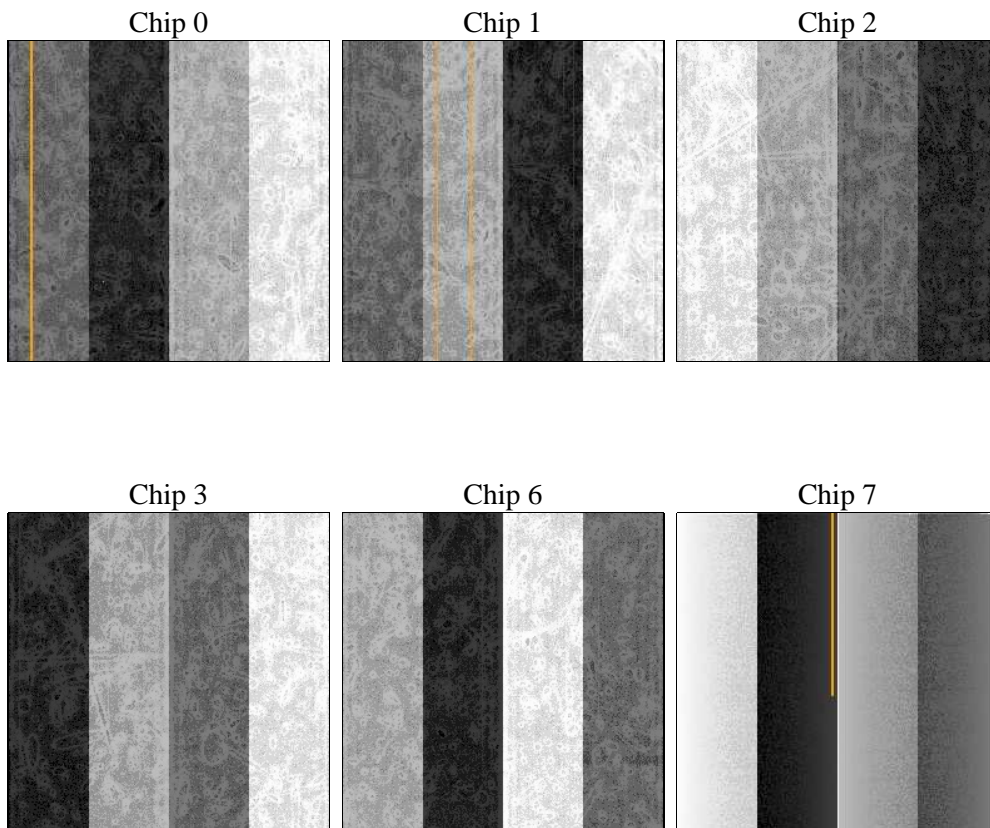
2 OBI

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	8438.1100486517	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4046.5464440286	Sum of GTIs [s]
date	2012-10-12T07:56:54	Date and time of file creation	ontime1	4061.0119015276	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3785.5255640447	Sum of GTIs [s]
			ontime3	3916.9884292781	Sum of GTIs [s]
			ontime6	4291.1230805814	Sum of GTIs [s]
			ontime7	8438.1100486517	Sum of GTIs [s]
			l1events	1555202	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	216706	220428	206442	214371	241132	456123	grade 0 events	105975	107130	99992	105215	116773	103153
rejected events	24626	26295	25528	26131	27263	41609		48%	48%	48%	49%	48%	22%
rejected %	11%	11%	12%	12%	11%	9%	grade 1 events	436	430	433	479	529	271
								0%	0%	0%	0%	0%	0%
							grade 2 events	34123	34867	33113	33426	37842	92391
								15%	15%	16%	15%	15%	20%
							grade 3 events	12099	12095	11193	11860	12777	42079
								5%	5%	5%	5%	5%	9%
							grade 4 events	12108	12177	10980	11643	12946	40981
								5%	5%	5%	5%	5%	8%
							grade 5 events	1743	1861	1640	1766	2061	7822
								0%	0%	0%	0%	0%	1%
							grade 6 events	28218	28512	25947	26720	34308	137186
								13%	12%	12%	12%	14%	30%
							grade 7 events	22004	23356	23144	23262	23896	32240
								10%	10%	11%	10%	9%	7%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	339.5707085974234	Alternating exposures requested	N	N
[deg] Pointing Dec	0	15.50462421057593	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	137.8869078705486			
[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)	144410864.838106	144410863.81338			
Observation start date	2002-07-30T10:07:45	2002-07-30T10:07:43			
[s] Observation end time (MET)	144436711.239169	144436710.21444			
Observation end date	2002-07-30T17:18:31	2002-07-30T17:18:30			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4381100486517

A.2 Comments