

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 59862 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Dec 15 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

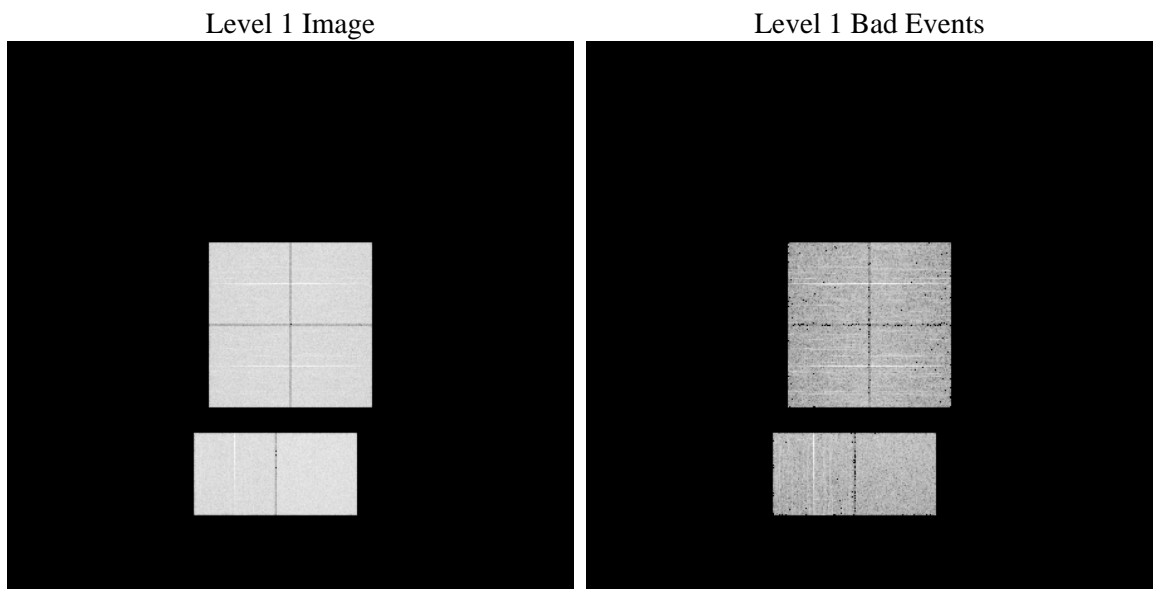
1 Front

seq_num	 	Sequence number
obs_id	59862	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	125.67279639639	Nominal RA [deg]
dec_nom	27.615665276654	Nominal Dec [deg]
roll_nom	114.08464696536	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5183.7958620787	Sum of GTIs [s]
livetime	5118.1555175659	Livetime [s]
ontime0	4411.0221042633	Sum of GTIs [s]
ontime1	4493.3844096959	Sum of GTIs [s]
ontime2	4284.6241118908	Sum of GTIs [s]
ontime3	4315.253603071	Sum of GTIs [s]
ontime6	4580.8088380396	Sum of GTIs [s]
ontime7	5183.7958620787	Sum of GTIs [s]
l2events	722349	Number of level 2 events

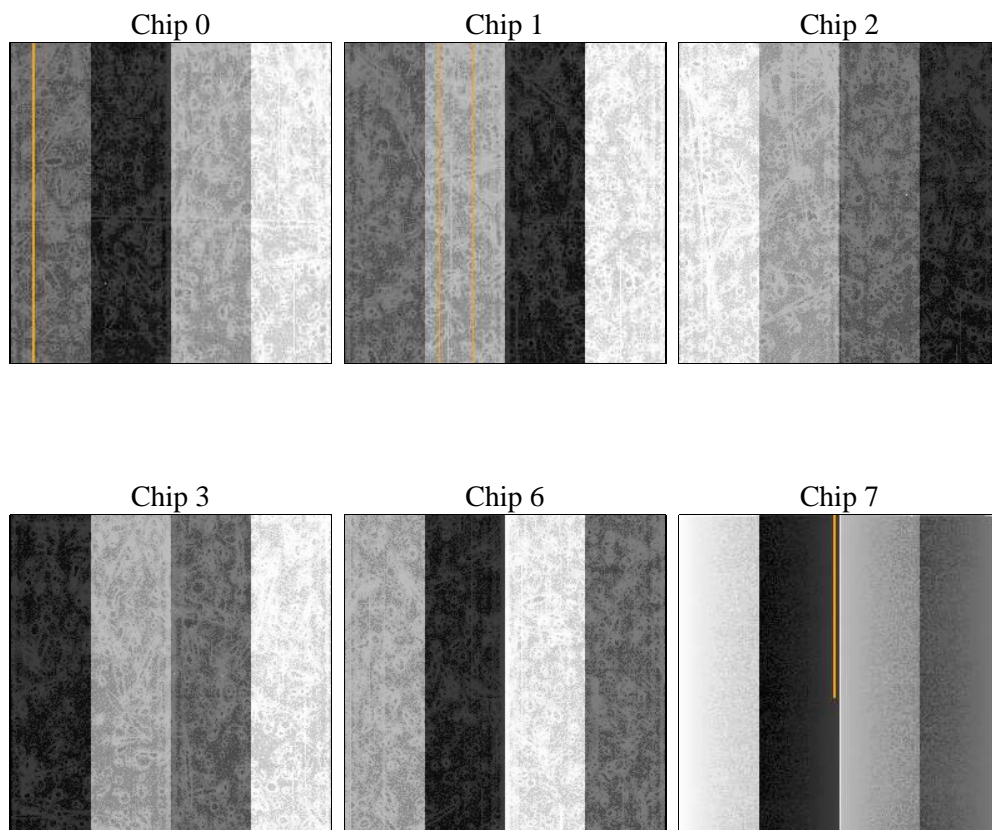
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4440	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	5183.7958620787	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	4411.0221042633	Sum of GTIs [s]
date	2012-12-16T03:38:49	Date and time of file creation	ontime1	4493.3844096959	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	4284.6241118908	Sum of GTIs [s]
			ontime3	4315.253603071	Sum of GTIs [s]
			ontime6	4580.8088380396	Sum of GTIs [s]
			ontime7	5183.7958620787	Sum of GTIs [s]
			l1events	971636	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	152172	157050	151573	153225	167335	190281	grade 0 events	67239	68035	66979	68116	71290	37690
rejected events	33154	35098	34533	35361	38018	36510		44%	43%	44%	44%	42%	19%
rejected %	21%	22%	22%	23%	22%	19%	grade 1 events	359	343	425	415	355	112
								0%	0%	0%	0%	0%	0%
							grade 2 events	21222	22415	19956	20432	22947	34704
								13%	14%	13%	13%	13%	18%
							grade 3 events	7826	7814	7916	7719	8140	15074
								5%	4%	5%	5%	4%	7%
							grade 4 events	7851	7999	7819	7862	8226	15013
								5%	5%	5%	5%	4%	7%
							grade 5 events	1943	1946	1823	2010	2176	5446
								1%	1%	1%	1%	1%	2%
							grade 6 events	18182	18719	17248	16947	21899	55762
								11%	11%	11%	11%	13%	29%
							grade 7 events	27550	29779	29407	29724	32302	26480
								18%	18%	19%	19%	19%	13%

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	OVERRIDE	OVERRIDE
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	125.6728091558953	125.6727963963862	Subarray requested	NONE	NONE
[deg] Pointing Dec	27.61563990380612	27.61566527665391	Alternating exposures requested	N	N
[deg] Pointing Roll	114.084641043297	114.0846469653552	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673			
[mm] SIM defocus	0.7524282194390134	0.7524282194390134			
[mm] SIM translation stage pos	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	221828101.377711	221828101.377711			
Observation start date	2005-01-11T11:18:00	2005-01-11T10:55:01			
[s] Observation end time (MET)	221835140.141899	221835140.141899			
Observation end date	2005-01-11T12:32:00	2005-01-11T12:52:20			
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)	2013.01.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1837958620787

A.2 Comments