

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56964 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 10 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

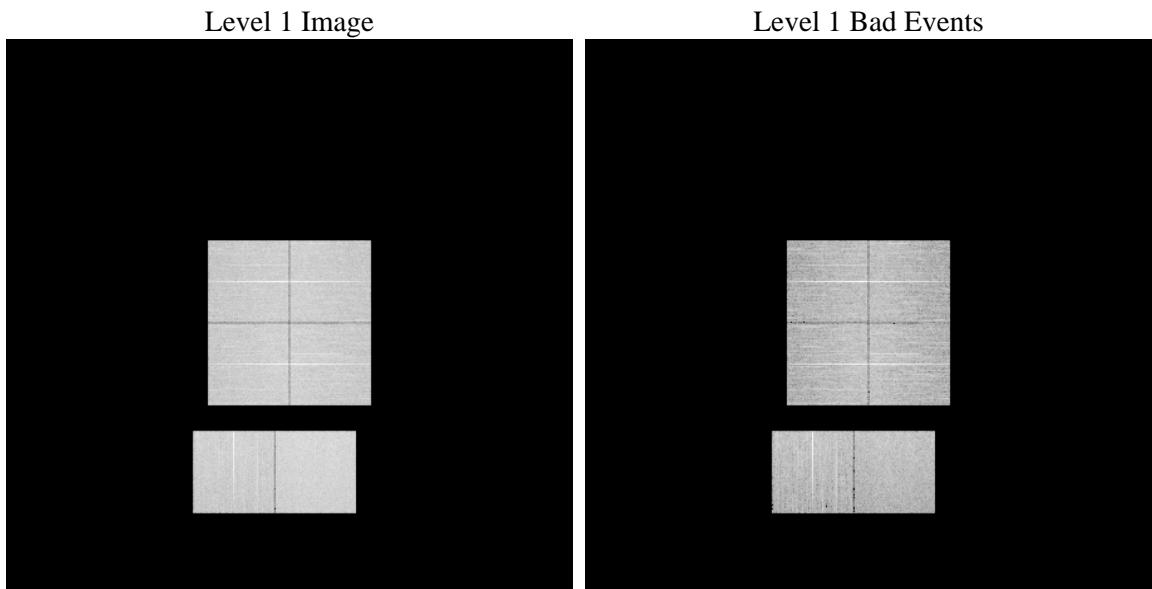
1 Front

seq_num	 	Sequence number
obs_id	56964	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	136.2393631932	Nominal RA [deg]
dec_nom	67.748698019031	Nominal Dec [deg]
roll_nom	269.3687934658	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8217.5999694467	Sum of GTIs [s]
livetime	8113.5437705889	Livetime [s]
ontime0	8217.5774173141	Sum of GTIs [s]
ontime1	8217.5363773108	Sum of GTIs [s]
ontime2	8217.4953373075	Sum of GTIs [s]
ontime3	8217.5999694467	Sum of GTIs [s]
ontime6	8217.4542973042	Sum of GTIs [s]
ontime7	8217.5999694467	Sum of GTIs [s]
l2events	470928	Number of level 2 events

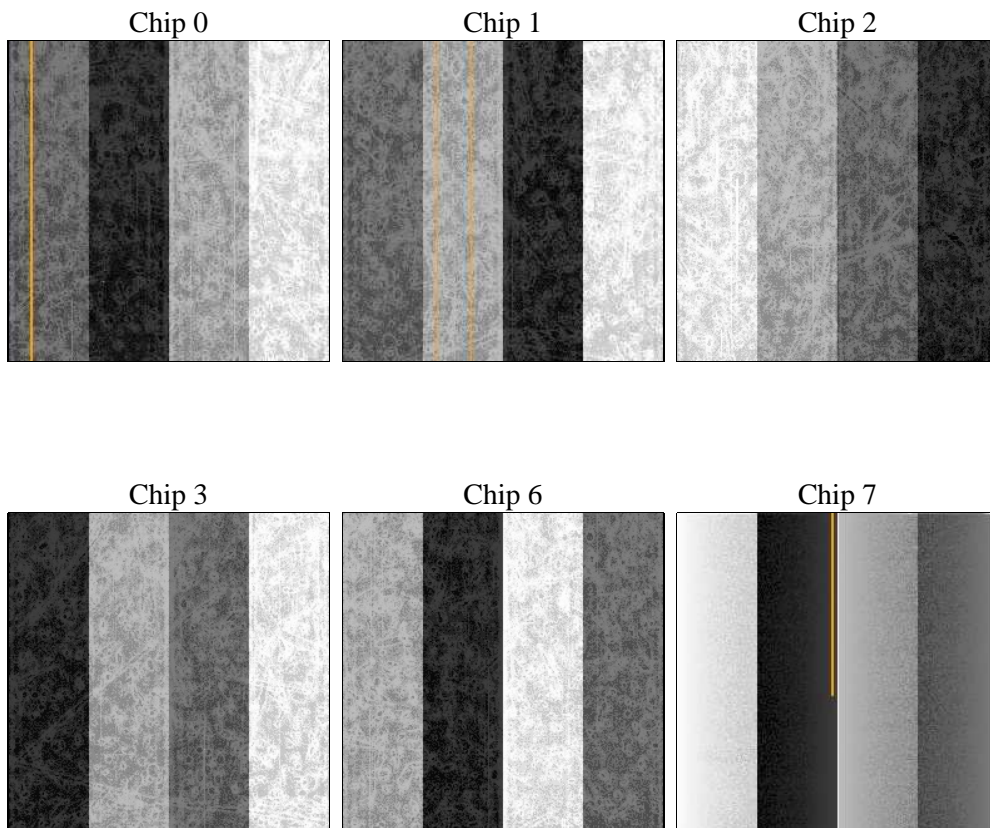
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8217.5999694467	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	8217.5774173141	Sum of GTIs [s]
date	2012-06-10T11:46:25	Date and time of file creation	ontime1	8217.5363773108	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8217.4953373075	Sum of GTIs [s]
			ontime3	8217.5999694467	Sum of GTIs [s]
			ontime6	8217.4542973042	Sum of GTIs [s]
			ontime7	8217.5999694467	Sum of GTIs [s]
			l1events	945154	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	146849	146907	154061	154501	156654	186182	grade 0 events	40417	40173	42232	41904	41226	21103
rejected events	71161	70751	77261	77930	78089	71609		27%	27%	27%	27%	26%	11%
rejected %	48%	48%	50%	50%	49%	38%	grade 1 events	301	279	351	357	280	150
								0%	0%	0%	0%	0%	0%
							grade 2 events	13909	14462	13315	13310	14304	24839
								9%	9%	8%	8%	9%	13%
							grade 3 events	5097	5181	5224	5339	5243	10724
								3%	3%	3%	3%	3%	5%
							grade 4 events	5166	5120	5313	5362	5208	10480
								3%	3%	3%	3%	3%	5%
							grade 5 events	4205	4371	3921	4573	4518	11694
								2%	2%	2%	2%	2%	6%
							grade 6 events	11629	11745	11309	11207	13136	48223
								7%	7%	7%	7%	8%	25%
							grade 7 events	66125	65576	72396	72449	72739	58969
								45%	44%	46%	46%	46%	31%

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	136.2393631932049
[deg] Pointing Dec	0	67.74869801903051
[deg] Pointing Roll	0.0	269.3687934657964
[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)	363711411.796078	363711411.796078
Observation start date	2009-07-11T14:56:52	2009-07-11T14:56:51
[s] Observation end time (MET)	363720958.030106	363720958.030106
Observation end date	2009-07-11T17:35:58	2009-07-11T17:35:58
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2175999694467

A.2 Comments