

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56221 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 26 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

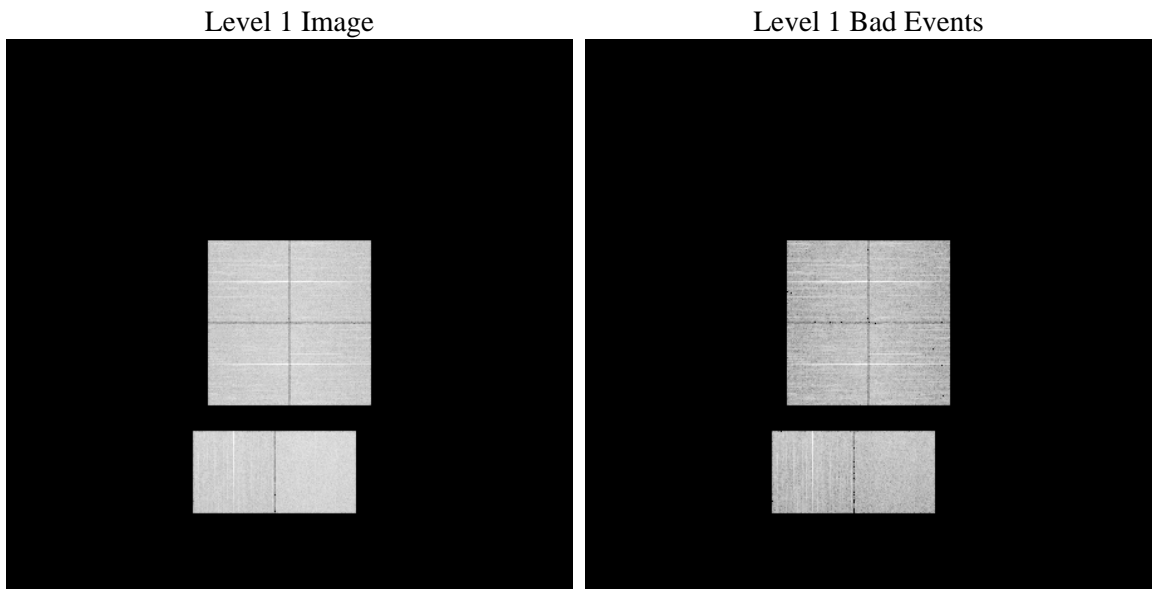
1 Front

seq_num	 	Sequence number
obs_id	56221	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	230.80077998833	Nominal RA [deg]
dec_nom	-43.927533978743	Nominal Dec [deg]
roll_nom	316.98818586195	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7993.2528868914	Sum of GTIs [s]
livetime	7892.0375058785	Livetime [s]
ontime0	7993.2118468881	Sum of GTIs [s]
ontime1	7993.1708068848	Sum of GTIs [s]
ontime2	7993.1297668815	Sum of GTIs [s]
ontime3	7993.2939268947	Sum of GTIs [s]
ontime6	7993.0887268782	Sum of GTIs [s]
ontime7	7993.2528868914	Sum of GTIs [s]
l2events	395424	Number of level 2 events

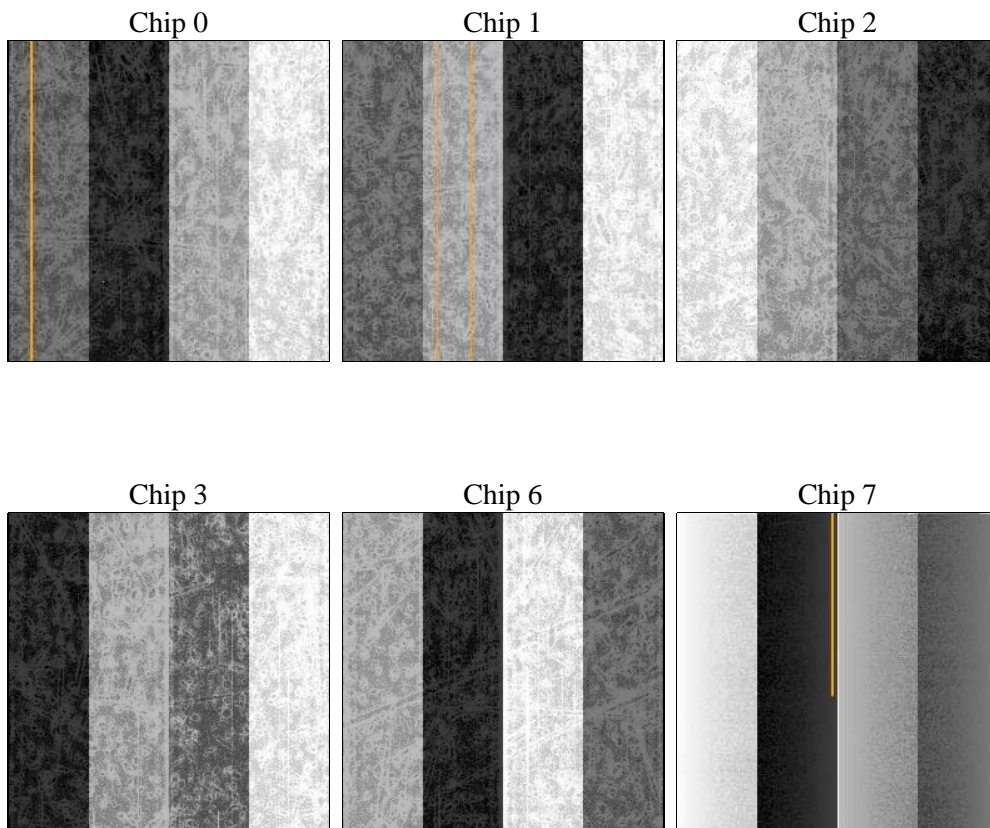
2 OBI

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	7993.2528868914	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	7993.2118468881	Sum of GTIs [s]
date	2012-06-26T16:57:07	Date and time of file creation	ontime1	7993.1708068848	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7993.1297668815	Sum of GTIs [s]
			ontime3	7993.2939268947	Sum of GTIs [s]
			ontime6	7993.0887268782	Sum of GTIs [s]
			ontime7	7993.2528868914	Sum of GTIs [s]
			l1events	831983	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	130847	130116	131475	134143	138850	166552	grade 0 events	34798	33636	35193	35986	34637	17864
rejected events	66855	66037	68441	70274	73048	69655		26%	25%	26%	26%	24%	10%
rejected %	51%	50%	52%	52%	52%	41%	grade 1 events	232	198	255	251	225	137
								0%	0%	0%	0%	0%	0%
							grade 2 events	12194	13108	11247	11483	12708	21960
								9%	10%	8%	8%	9%	13%
							grade 3 events	4453	4333	4496	4256	4433	8856
								3%	3%	3%	3%	3%	5%
							grade 4 events	4311	4416	4530	4420	4213	8732
								3%	3%	3%	3%	3%	5%
							grade 5 events	3806	3898	3621	4174	4035	10153
								2%	2%	2%	3%	2%	6%
							grade 6 events	10385	10815	9711	9875	12087	42942
								7%	8%	7%	7%	8%	25%
							grade 7 events	60668	59712	62422	63698	66512	55908
								46%	45%	47%	47%	47%	33%

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	230.800779988332
[deg] Pointing Dec	0	-43.92753397874334
[deg] Pointing Roll	0.0	316.9881858619501
[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)	391855270.76737	391855270.76737
Observation start date	2010-06-02T08:41:11	2010-06-02T08:41:10
[s] Observation end time (MET)	391865089.500381	391865089.500381
Observation end date	2010-06-02T11:24:50	2010-06-02T11:24:49
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)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.9932528868914

A.2 Comments