

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57282 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 31 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

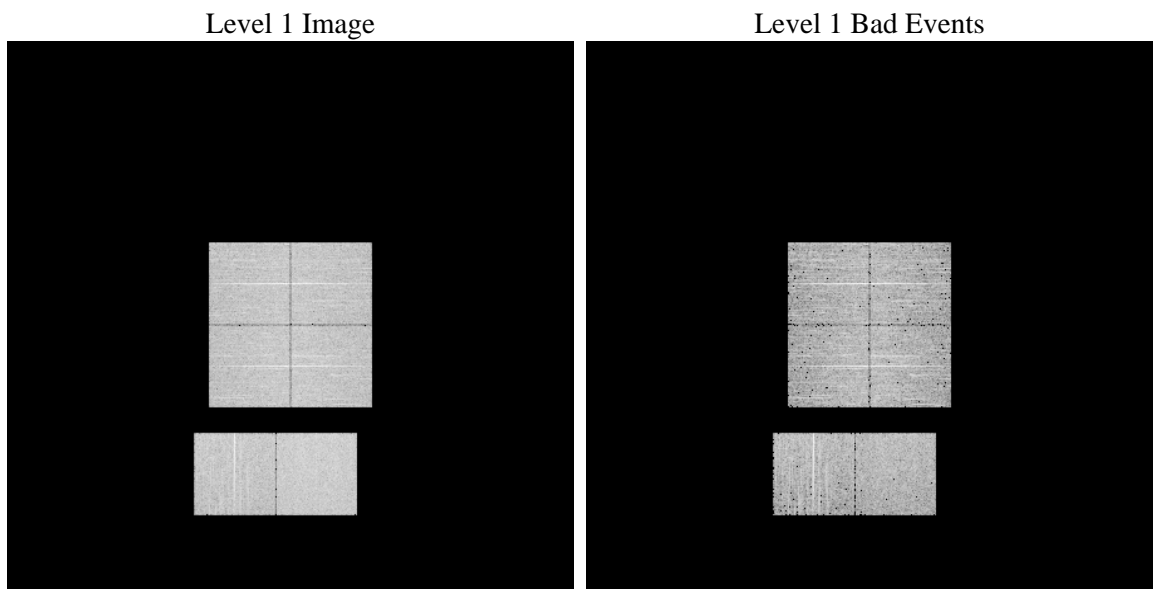
1 Front

seq_num	 	Sequence number
obs_id	57282	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	180.88422270966	Nominal RA [deg]
dec_nom	15.002078616421	Nominal Dec [deg]
roll_nom	94.465584671051	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3244.7999879718	Sum of GTIs [s]
livetime	3203.7123767401	Livetime [s]
ontime0	3244.7999879718	Sum of GTIs [s]
ontime1	3244.7999879718	Sum of GTIs [s]
ontime2	3244.7999879718	Sum of GTIs [s]
ontime3	3244.7999879718	Sum of GTIs [s]
ontime6	3244.7999879718	Sum of GTIs [s]
ontime7	3244.7999879718	Sum of GTIs [s]
l2events	201078	Number of level 2 events

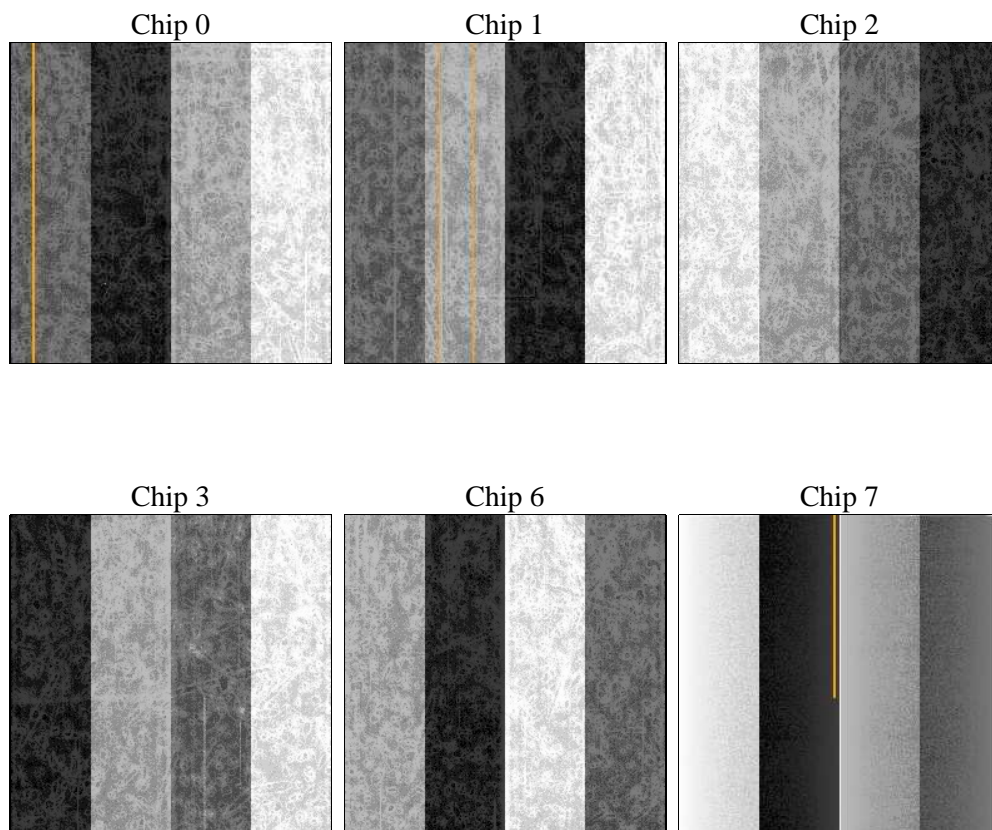
2 OBI

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	8.4.4	Processing system revision	ontime	3244.7999879718	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	3244.7999879718	Sum of GTIs [s]
date	2012-05-31T04:51:35	Date and time of file creation	ontime1	3244.7999879718	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3244.7999879718	Sum of GTIs [s]
			ontime3	3244.7999879718	Sum of GTIs [s]
			ontime6	3244.7999879718	Sum of GTIs [s]
			ontime7	3244.7999879718	Sum of GTIs [s]
			l1events	413282	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	65906	64774	65830	67173	69255	80344	grade 0 events	18619	18183	18986	18981	18875	9636
rejected events	33235	32065	33201	34353	35489	32567		28%	28%	28%	28%	27%	11%
rejected %	50%	49%	50%	51%	51%	40%	grade 1 events	148	122	137	160	119	75
								0%	0%	0%	0%	0%	0%
							grade 2 events	6238	6575	5933	6057	6443	10825
								9%	10%	9%	9%	9%	13%
							grade 3 events	2388	2315	2424	2422	2365	4761
								3%	3%	3%	3%	3%	5%
							grade 4 events	2248	2335	2332	2396	2328	4654
								3%	3%	3%	3%	3%	5%
							grade 5 events	1608	1841	1587	1884	1859	4890
								2%	2%	2%	2%	2%	6%
							grade 6 events	5246	5425	5073	5070	5970	20883
								7%	8%	7%	7%	8%	25%
							grade 7 events	29411	27978	29358	30203	31296	24620
								44%	43%	44%	44%	45%	30%

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	180.8842227096566
[deg] Pointing Dec	0	15.00207861642078
[deg] Pointing Roll	0.0	94.46558467105082
[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)	351420580.83393	351420580.83393
Observation start date	2009-02-19T08:49:41	2009-02-19T08:49:40
[s] Observation end time (MET)	351424110.247355	351424110.247355
Observation end date	2009-02-19T09:48:30	2009-02-19T09:48:30
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)	2012.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2447999879718

A.2 Comments