

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56400 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 22 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

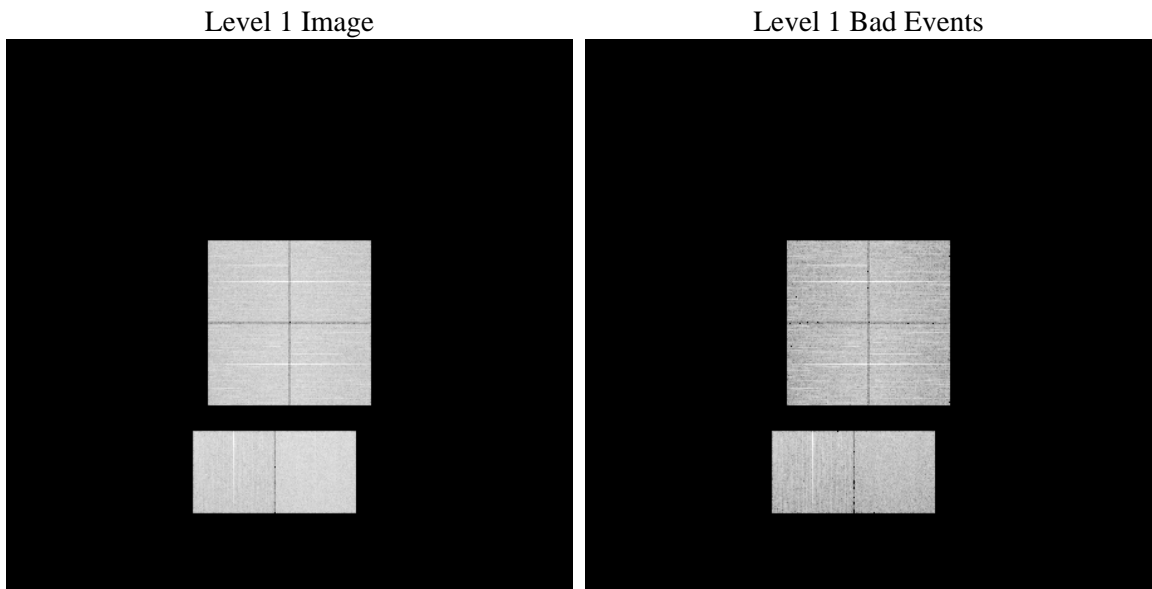
1 Front

seq_num	 	Sequence number
obs_id	56400	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	170.03143408663	Nominal RA [deg]
dec_nom	-35.104805954152	Nominal Dec [deg]
roll_nom	357.00054731543	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8182.3999695778	Sum of GTIs [s]
livetime	8078.7894943132	Livetime [s]
ontime0	8182.3999695778	Sum of GTIs [s]
ontime1	8182.3999695778	Sum of GTIs [s]
ontime2	8182.3999695778	Sum of GTIs [s]
ontime3	8182.3999695778	Sum of GTIs [s]
ontime6	8182.3600806594	Sum of GTIs [s]
ontime7	8182.3999695778	Sum of GTIs [s]
l2events	403275	Number of level 2 events

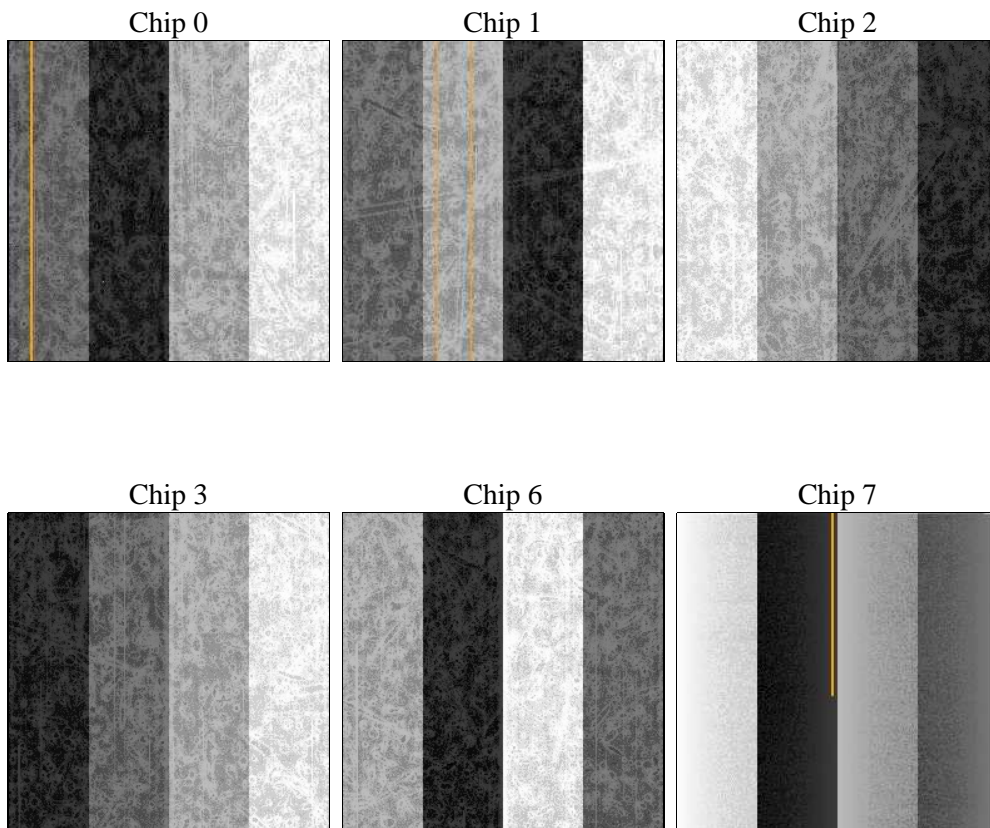
2 OBI

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	8182.3999695778	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	8182.3999695778	Sum of GTIs [s]
date	2012-06-22T17:10:23	Date and time of file creation	ontime1	8182.3999695778	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8182.3999695778	Sum of GTIs [s]
			ontime3	8182.3999695778	Sum of GTIs [s]
			ontime6	8182.3600806594	Sum of GTIs [s]
			ontime7	8182.3999695778	Sum of GTIs [s]
			l1events	835617	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	129150	130583	133690	135270	139383	167541	grade 0 events	34604	34308	35784	35687	35514	18218
rejected events	64736	65254	68809	70242	72072	67999		26%	26%	26%	26%	25%	10%
rejected %	50%	49%	51%	51%	51%	40%	grade 1 events	221	211	262	261	205	145
								0%	0%	0%	0%	0%	0%
							grade 2 events	12028	12611	11380	11480	12289	22055
								9%	9%	8%	8%	8%	13%
							grade 3 events	4492	4451	4436	4414	4474	9118
								3%	3%	3%	3%	3%	5%
							grade 4 events	4313	4366	4500	4616	4400	9160
								3%	3%	3%	3%	3%	5%
							grade 5 events	3938	4022	3697	4377	4261	10947
								3%	3%	2%	3%	3%	6%
							grade 6 events	9779	10413	9560	9583	11433	42216
								7%	7%	7%	7%	8%	25%
							grade 7 events	59775	60201	64071	64852	66807	55682
								46%	46%	47%	47%	47%	33%

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	0	170.031434086634	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-35.10480595415191	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	357.0005473154302	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119			
[mm] SIM defocus	0.8505140384245534	0.8505140384245534			
[mm] SIM translation stage pos	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	384731555.255185	384731555.255185			
Observation start date	2010-03-11T21:52:35	2010-03-11T21:52:35			
[s] Observation end time (MET)	384741104.79241	384741104.79241			
Observation end date	2010-03-12T00:31:45	2010-03-12T00:31:44			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1823999695778

A.2 Comments