

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56883 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 12 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

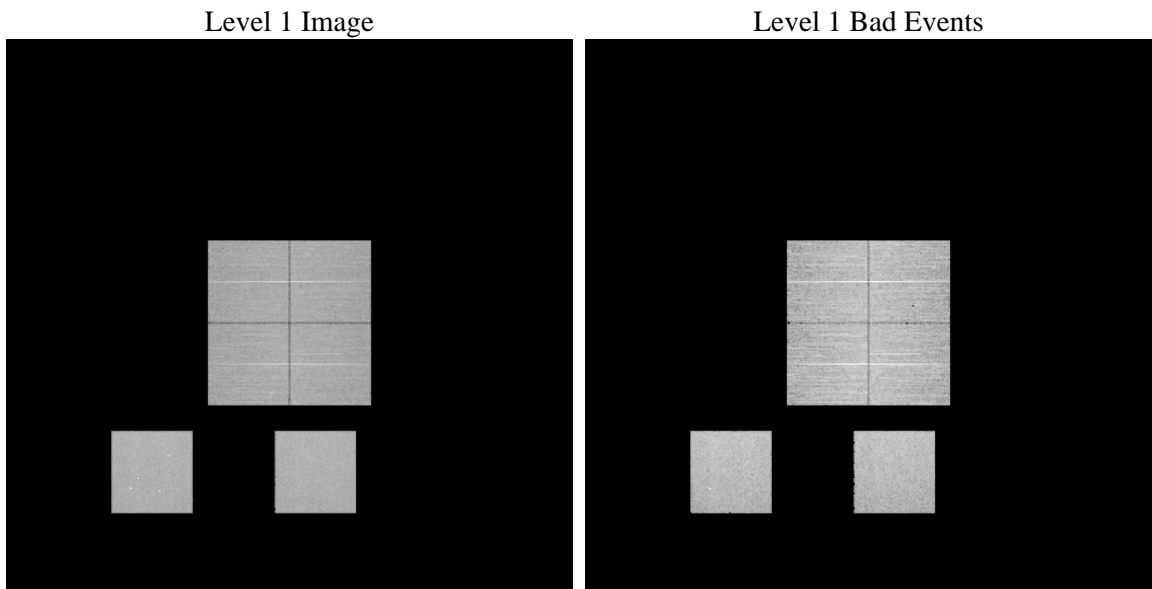
1 Front

seq_num	 	Sequence number
obs_id	56883	Observation id
title	ACIS-012357 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	350.02672003605	Nominal RA [deg]
dec_nom	-59.974519949524	Nominal Dec [deg]
roll_nom	29.563066987223	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8390.3999688029	Sum of GTIs [s]
livetime	8284.1556723056	Livetime [s]
ontime0	8390.3999688029	Sum of GTIs [s]
ontime1	8390.3999688029	Sum of GTIs [s]
ontime2	8390.3999688029	Sum of GTIs [s]
ontime3	8390.3999688029	Sum of GTIs [s]
ontime5	8390.3999688029	Sum of GTIs [s]
ontime7	8390.3999688029	Sum of GTIs [s]
l2events	511499	Number of level 2 events

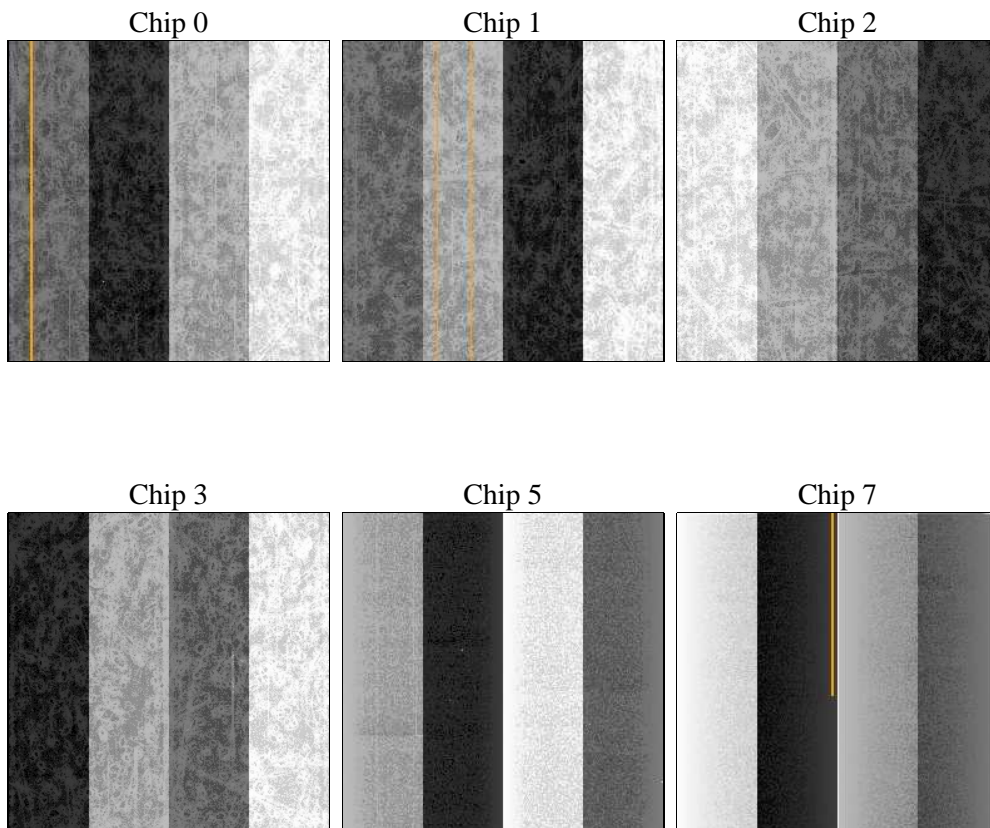
2 OBI

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	8390.3999688029	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	8390.3999688029	Sum of GTIs [s]
date	2012-06-12T02:59:25	Date and time of file creation	ontime1	8390.3999688029	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8390.3999688029	Sum of GTIs [s]
			ontime3	8390.3999688029	Sum of GTIs [s]
			ontime5	8390.3999688029	Sum of GTIs [s]
			ontime7	8390.3999688029	Sum of GTIs [s]
			l1events	1006098	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	151303	152759	157160	157772	195710	191394	grade 0 events	40666	40111	41345	41656	17016	21154
rejected events	75494	76297	81430	81591	77629	75207		26%	26%	26%	26%	8%	11%
rejected %	49%	49%	51%	51%	39%	39%	grade 1 events	280	316	323	385	229	197
								0%	0%	0%	0%	0%	0%
							grade 2 events	13766	14564	13244	13444	42606	25191
								9%	9%	8%	8%	21%	13%
							grade 3 events	5210	5123	5197	5206	5463	10854
								3%	3%	3%	3%	2%	5%
							grade 4 events	5106	5217	5238	5342	5316	10824
								3%	3%	3%	3%	2%	5%
							grade 5 events	4236	4330	3892	4684	10400	12042
								2%	2%	2%	2%	5%	6%
							grade 6 events	11662	12043	11261	11071	48623	49093
								7%	7%	7%	7%	24%	25%
							grade 7 events	70377	71055	76660	75984	66057	62039
								46%	46%	48%	48%	33%	32%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
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	350.0267200360511	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-59.97451994952414	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	29.5630669872226	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.038866356238299			
[mm] SIM defocus	0.1037507710433287	0.4944702831659975			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	366954567.308406	366954566.28343			
Observation start date	2009-08-18T03:49:27	2009-08-18T03:49:26			
[s] Observation end time (MET)	366964747.608916	366964746.58394			
Observation end date	2009-08-18T06:39:08	2009-08-18T06:39:06			
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)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3903999688029

A.2 Comments