

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56695 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 18 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

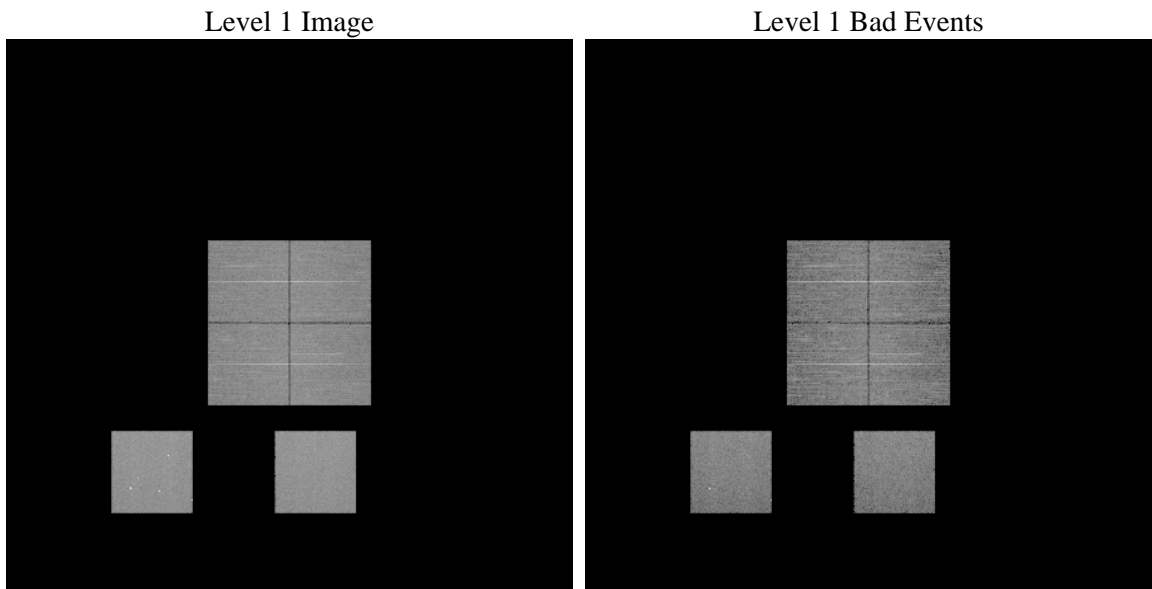
1 Front

seq_num	 	Sequence number
obs_id	56695	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	61.466180747131	Nominal RA [deg]
dec_nom	34.506923849219	Nominal Dec [deg]
roll_nom	133.16104063188	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7365.989572525	Sum of GTIs [s]
livetime	7272.7169772913	Livetime [s]
ontime0	7246.0727464557	Sum of GTIs [s]
ontime1	7259.0353810787	Sum of GTIs [s]
ontime2	7246.0727069974	Sum of GTIs [s]
ontime3	7246.0727069378	Sum of GTIs [s]
ontime5	7382.1947724819	Sum of GTIs [s]
ontime7	7365.989572525	Sum of GTIs [s]
l2events	425092	Number of level 2 events

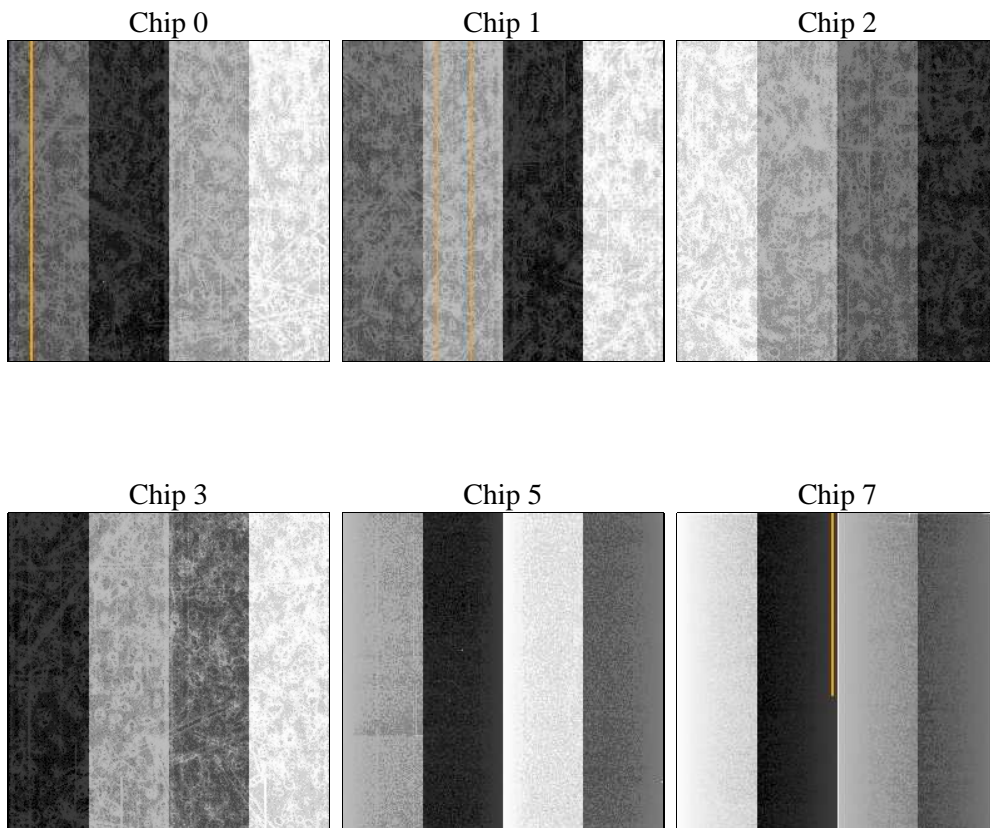
2 OBI

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	7365.989572525	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	7246.0727464557	Sum of GTIs [s]
date	2012-06-16T05:25:57	Date and time of file creation	ontime1	7259.0353810787	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7246.0727069974	Sum of GTIs [s]
			ontime3	7246.0727069378	Sum of GTIs [s]
			ontime5	7382.1947724819	Sum of GTIs [s]
			ontime7	7365.989572525	Sum of GTIs [s]
			l1events	857204	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	128277	127804	131654	132072	172073	165324	grade 0 events	33477	33281	34274	34286	15899	17805
rejected events	65993	64955	69542	69699	70652	67011		26%	26%	26%	25%	9%	10%
rejected %	51%	50%	52%	52%	41%	40%	grade 1 events	239	230	267	282	311	155
								0%	0%	0%	0%	0%	0%
							grade 2 events	11612	12046	10914	11079	36160	21851
								9%	9%	8%	8%	21%	13%
							grade 3 events	4227	4163	4439	4269	4471	9031
								3%	3%	3%	3%	2%	5%
							grade 4 events	4191	4290	4300	4437	4440	9239
								3%	3%	3%	3%	2%	5%
							grade 5 events	3781	3840	3517	4186	9503	10571
								2%	3%	2%	3%	5%	6%
							grade 6 events	9793	10118	9194	9299	42083	41962
								7%	7%	6%	7%	24%	25%
							grade 7 events	60957	59836	64749	64234	59206	54710
								47%	46%	49%	48%	34%	33%

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	61.46618074713059	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	34.50692384921923	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	133.1610406318828	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	374034119.664158	374034118.63916			
Observation start date	2009-11-08T02:22:00	2009-11-08T02:21:58			
[s] Observation end time (MET)	374044201.564666	374044200.53966			
Observation end date	2009-11-08T05:10:02	2009-11-08T05:10:00			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.365989572525

A.2 Comments