

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56405 - 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

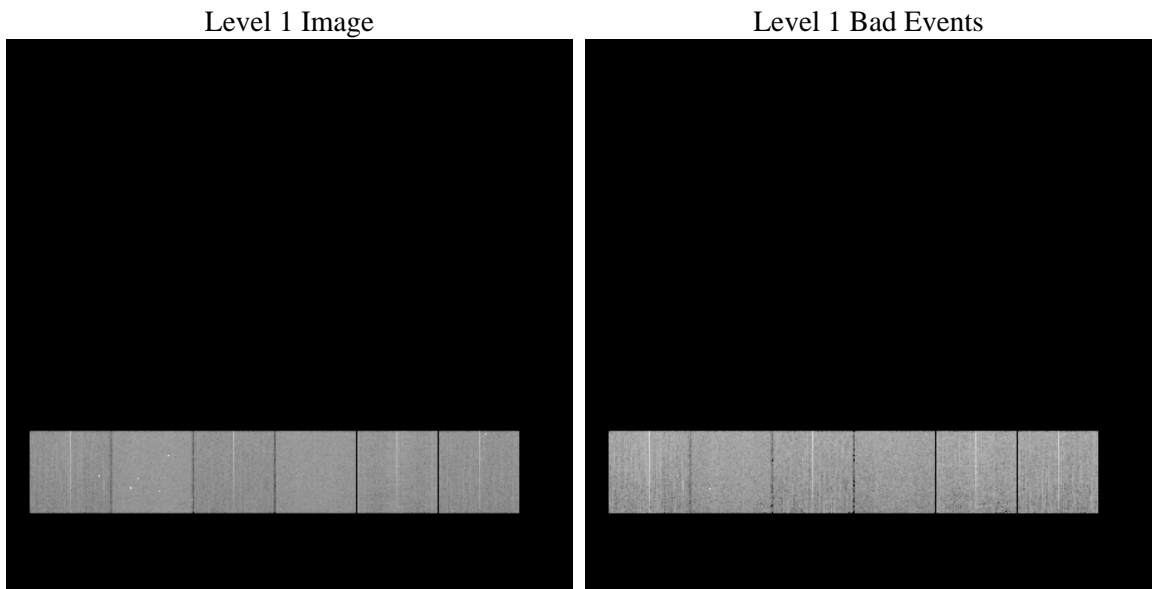
1 Front

seq_num	 	Sequence number
obs_id	56405	Observation id
title	ACIS-456789 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	184.96849501219	Nominal RA [deg]
dec_nom	25.002961623871	Nominal Dec [deg]
roll_nom	141.21089398054	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999692321	Sum of GTIs [s]
livetime	8170.4144044945	Livetime [s]
ontime4	8275.1999692321	Sum of GTIs [s]
ontime5	8275.1999692321	Sum of GTIs [s]
ontime6	8275.1999692321	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
ontime8	8275.1999692321	Sum of GTIs [s]
ontime9	8275.1999692321	Sum of GTIs [s]
l2events	452354	Number of level 2 events

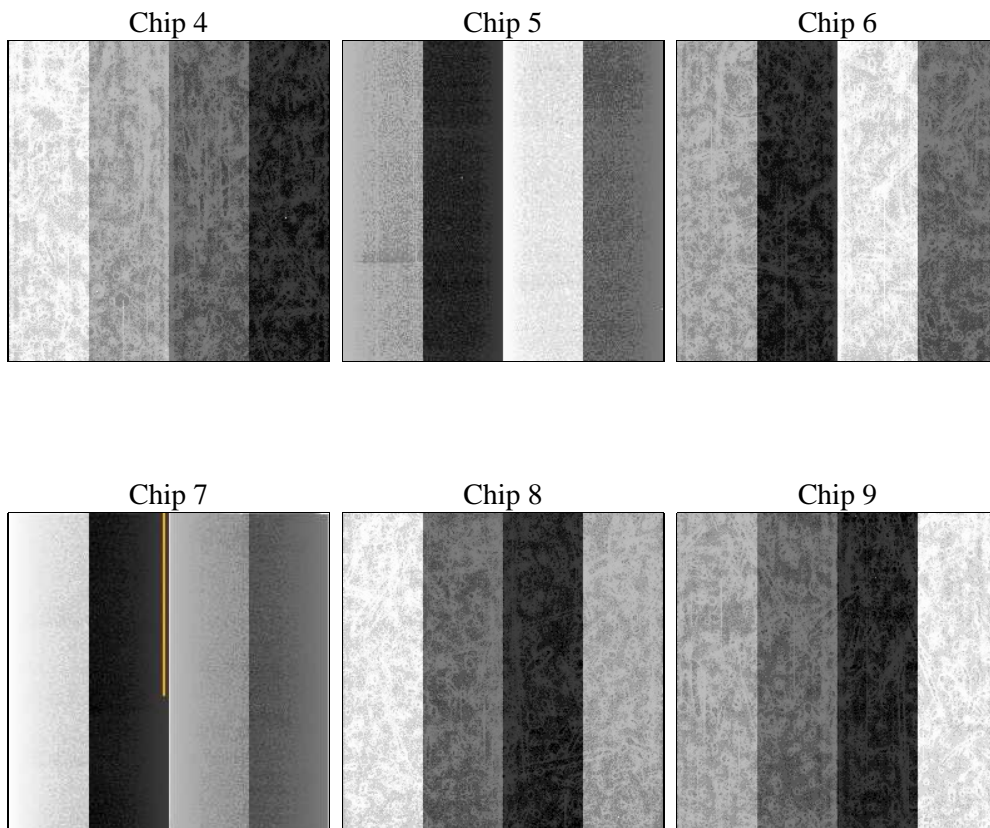
2 OBI

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	8275.1999692321	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	8275.1999692321	Sum of GTIs [s]
date	2012-06-22T16:32:23	Date and time of file creation	ontime5	8275.1999692321	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8275.1999692321	Sum of GTIs [s]
			ontime7	8275.1999692321	Sum of GTIs [s]
			ontime8	8275.1999692321	Sum of GTIs [s]
			ontime9	8275.1999692321	Sum of GTIs [s]
			l1events	954396	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	147406	182945	140899	172371	164937	145838	grade 0 events	38059	17641	35645	18569	39968	36445
rejected events	80907	73346	72344	68448	82328	77904		25%	9%	25%	10%	24%	24%
rejected %	54%	40%	51%	39%	49%	53%	grade 1 events	344	219	202	124	268	273
								0%	0%	0%	0%	0%	0%
							grade 2 events	10441	38252	12420	22468	15783	11783
								7%	20%	8%	13%	9%	8%
							grade 3 events	4664	4669	4611	9578	6126	4517
								3%	2%	3%	5%	3%	3%
							grade 4 events	4718	4633	4601	9512	5929	4548
								3%	2%	3%	5%	3%	3%
							grade 5 events	4261	9686	4374	11363	5821	4898
								2%	5%	3%	6%	3%	3%
							grade 6 events	8617	44404	11278	43796	14803	10641
								5%	24%	8%	25%	8%	7%
							grade 7 events	76302	63441	67768	56961	76239	72733
								51%	34%	48%	33%	46%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	184.9684950121863	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	25.00296162387146	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	141.210893980537	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	384502994.593574	384502993.56859			
Observation start date	2010-03-09T06:23:15	2010-03-09T06:23:13			
[s] Observation end time (MET)	384523697.544625	384523696.51964			
Observation end date	2010-03-09T12:08:18	2010-03-09T12:08:16			
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	8.2751999692321

A.2 Comments