

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 57106 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 7 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

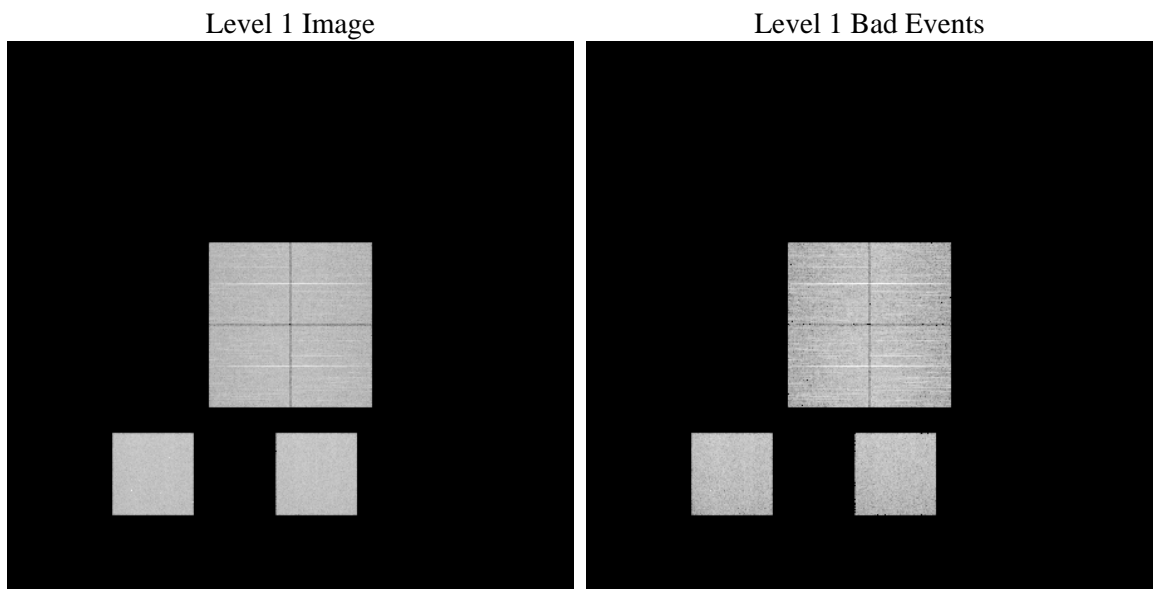
1 Front

seq_num	 	Sequence number
obs_id	57106	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	45.977015445617	Nominal RA [deg]
dec_nom	-33.00759055248	Nominal Dec [deg]
roll_nom	173.16954600808	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6719.421404779	Sum of GTIs [s]
livetime	6634.3360450018	Livetime [s]
ontime0	6719.3803647757	Sum of GTIs [s]
ontime1	6719.3393247724	Sum of GTIs [s]
ontime2	6719.2982847691	Sum of GTIs [s]
ontime3	6719.4624447823	Sum of GTIs [s]
ontime5	6719.2572447658	Sum of GTIs [s]
ontime7	6719.421404779	Sum of GTIs [s]
l2events	427660	Number of level 2 events

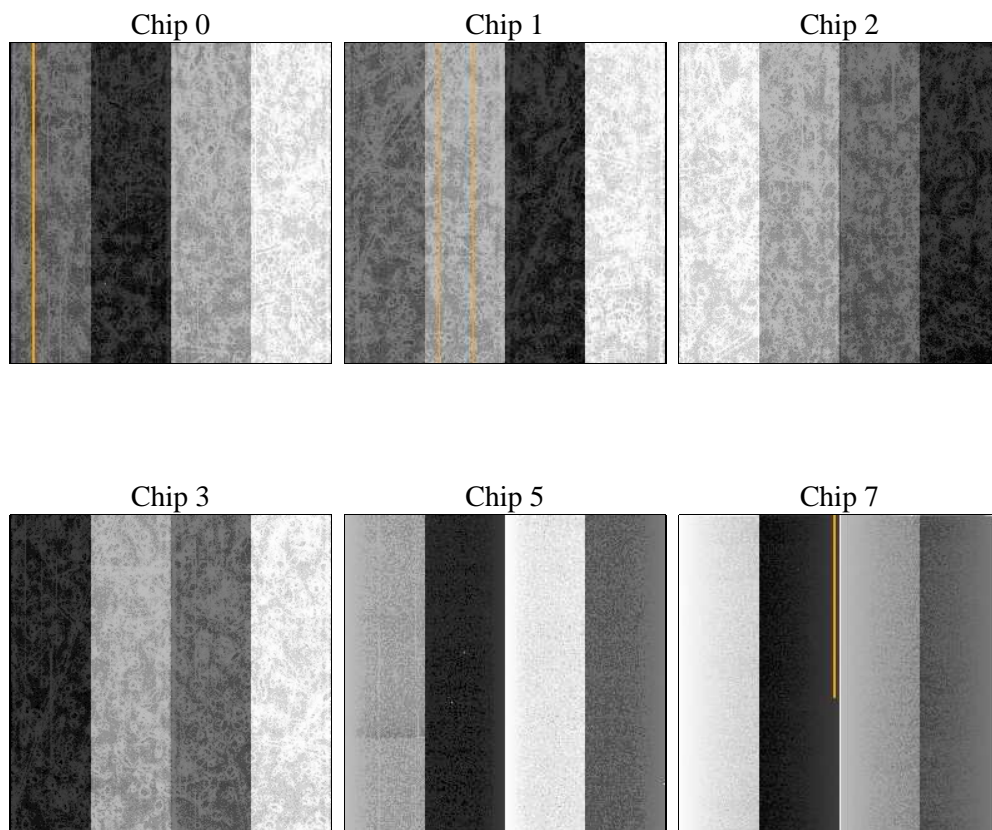
2 OBI

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	6719.421404779	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	6719.3803647757	Sum of GTIs [s]
date	2012-06-07T04:49:46	Date and time of file creation	ontime1	6719.3393247724	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	6719.2982847691	Sum of GTIs [s]
			ontime3	6719.4624447823	Sum of GTIs [s]
			ontime5	6719.2572447658	Sum of GTIs [s]
			ontime7	6719.421404779	Sum of GTIs [s]
			l1events	808505	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	122264	122552	126145	128784	154770	153990	grade 0 events	34161	33743	35436	35282	12445	17557
rejected events	57999	57779	61363	64227	59984	58382		27%	27%	28%	27%	8%	11%
rejected %	47%	47%	48%	49%	38%	37%	grade 1 events	299	202	283	296	210	123
								0%	0%	0%	0%	0%	0%
							grade 2 events	11796	12231	11331	11114	34877	20572
								9%	9%	8%	8%	22%	13%
							grade 3 events	4337	4332	4373	4368	4231	8769
								3%	3%	3%	3%	2%	5%
							grade 4 events	4346	4356	4351	4374	3917	8686
								3%	3%	3%	3%	2%	5%
							grade 5 events	3395	3470	3250	3728	8040	9333
								2%	2%	2%	2%	5%	6%
							grade 6 events	9650	10129	9335	9443	39367	40063
								7%	8%	7%	7%	25%	26%
							grade 7 events	54280	54089	57786	60179	51683	48887
								44%	44%	45%	46%	33%	31%

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	45.97701544561681	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-33.00759055247978	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	173.1695460080753	[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)	358725532.747257	358725531.72227			
Observation start date	2009-05-14T21:58:53	2009-05-14T21:58:51			
[s] Observation end time (MET)	358736364.947797	358736363.92281			
Observation end date	2009-05-15T00:59:25	2009-05-15T00:59:23			
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)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.719421404779

A.2 Comments