

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56950 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 10 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

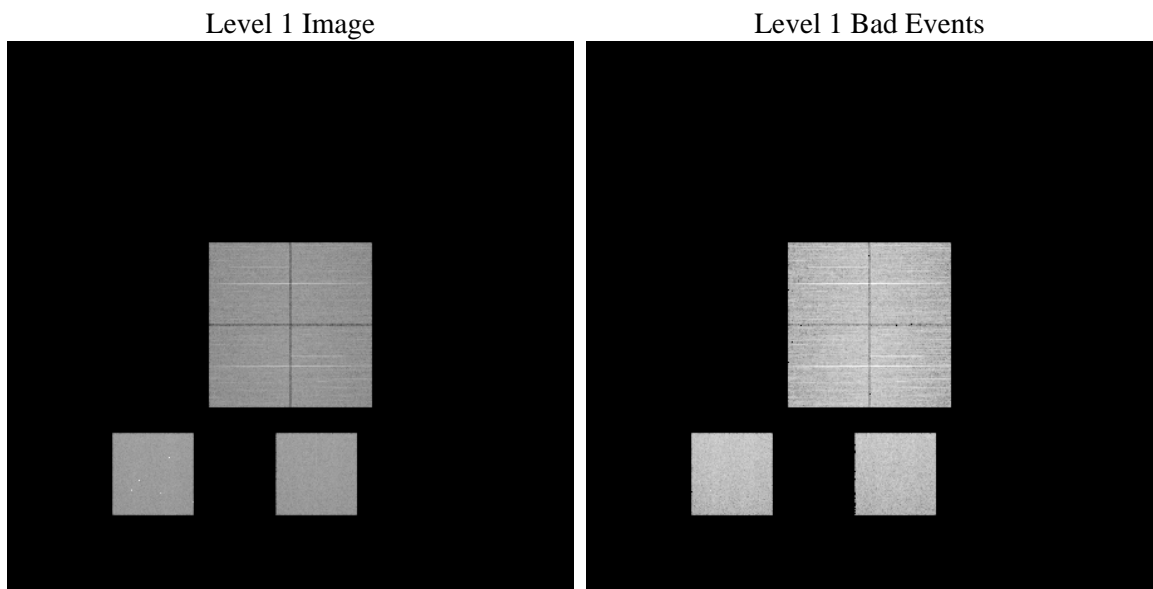
1 Front

seq_num	 	Sequence number
obs_id	56950	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	307.02186012416	Nominal RA [deg]
dec_nom	-43.976036655269	Nominal Dec [deg]
roll_nom	23.801497642554	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8379.9926504493	Sum of GTIs [s]
livetime	8273.8801376835	Livetime [s]
ontime0	8379.951610446	Sum of GTIs [s]
ontime1	8379.9105704427	Sum of GTIs [s]
ontime2	8379.8695304394	Sum of GTIs [s]
ontime3	8380.0336904526	Sum of GTIs [s]
ontime5	8379.8284904361	Sum of GTIs [s]
ontime7	8379.9926504493	Sum of GTIs [s]
l2events	518191	Number of level 2 events

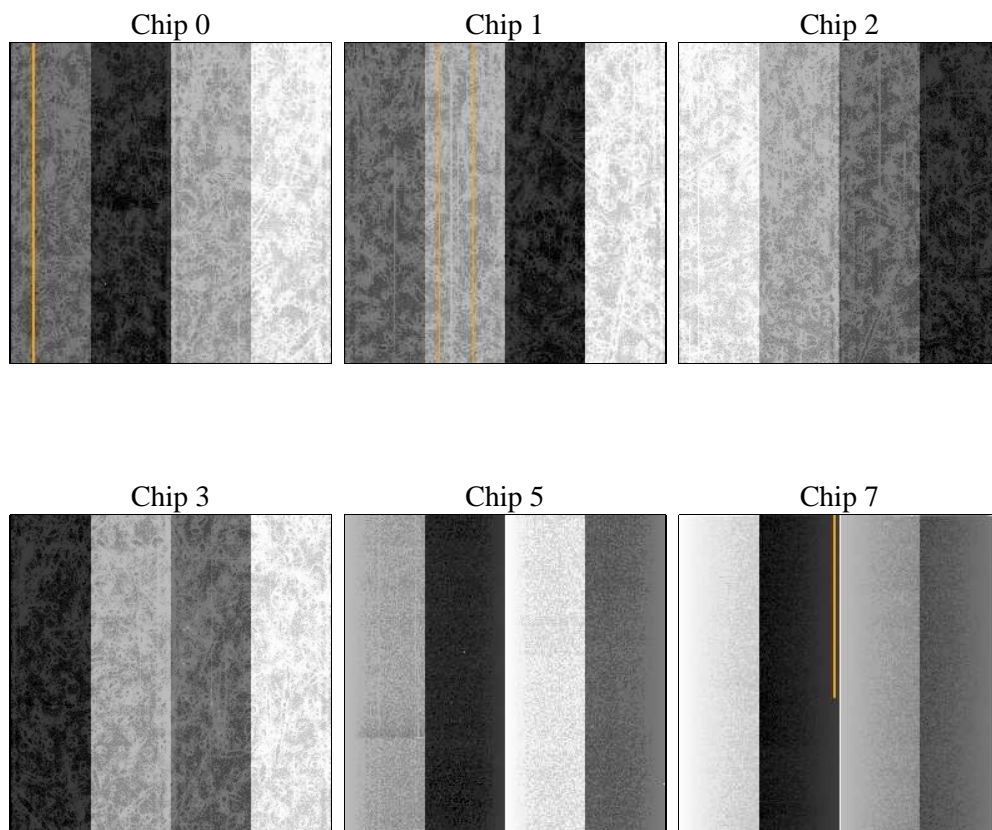
2 OBI

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	8379.9926504493	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	8379.951610446	Sum of GTIs [s]
date	2012-06-10T13:12:04	Date and time of file creation	ontime1	8379.9105704427	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8379.8695304394	Sum of GTIs [s]
			ontime3	8380.0336904526	Sum of GTIs [s]
			ontime5	8379.8284904361	Sum of GTIs [s]
			ontime7	8379.9926504493	Sum of GTIs [s]
			l1events	1011303	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	152960	151719	155817	160178	198049	192580	grade 0 events	41143	40662	41766	42725	19257	21786
rejected events	76077	74120	79253	82411	77486	74697		26%	26%	26%	26%	9%	11%
rejected %	49%	48%	50%	51%	39%	38%	grade 1 events	331	292	375	330	246	171
								0%	0%	0%	0%	0%	0%
							grade 2 events	14114	14849	13394	13555	42406	25945
								9%	9%	8%	8%	21%	13%
							grade 3 events	5320	5253	5360	5468	5363	11041
								3%	3%	3%	3%	2%	5%
							grade 4 events	5248	5284	5404	5402	5249	10864
								3%	3%	3%	3%	2%	5%
							grade 5 events	4311	4290	4062	4824	10302	12118
								2%	2%	2%	3%	5%	6%
							grade 6 events	11711	12217	11311	11302	49335	49282
								7%	8%	7%	7%	24%	25%
							grade 7 events	70782	68872	74145	76572	65891	61373
								46%	45%	47%	47%	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	307.0218601241623	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-43.97603665526874	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	23.80149764255435	[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)	364211679.471142	364211678.44612			
Observation start date	2009-07-17T09:54:39	2009-07-17T09:54:38			
[s] Observation end time (MET)	364221859.771653	364221858.74662			
Observation end date	2009-07-17T12:44:20	2009-07-17T12:44:18			
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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3799926504493

A.2 Comments