

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57603 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 21 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

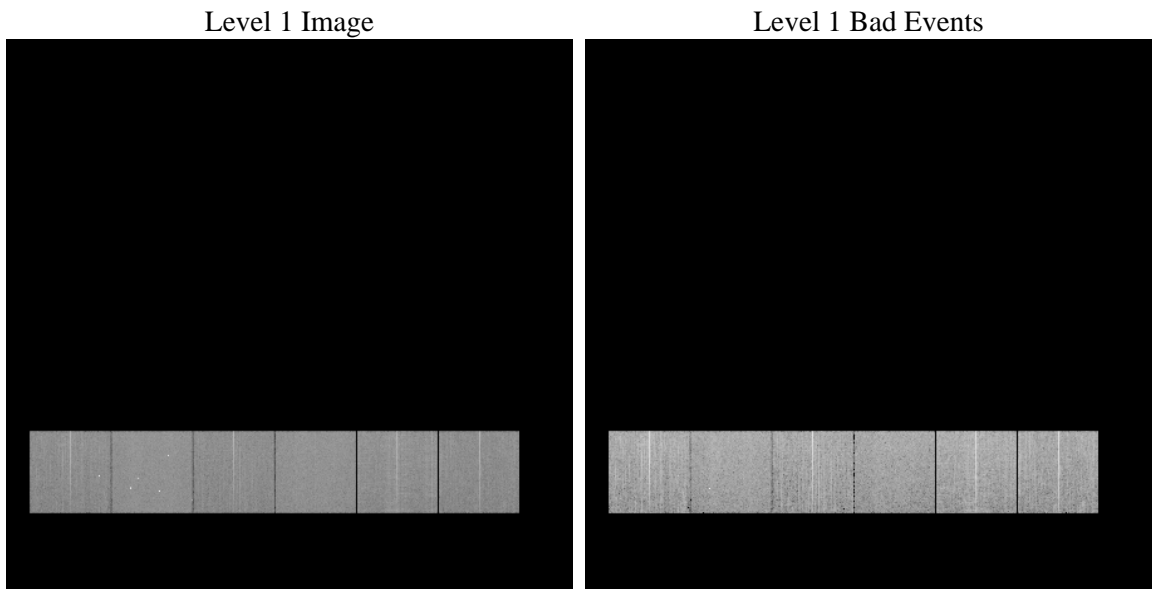
1 Front

seq_num	 	Sequence number
obs_id	57603	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	20.785726833272	Nominal RA [deg]
dec_nom	-3.2750925907271	Nominal Dec [deg]
roll_nom	86.910012048464	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7791.9999710321	Sum of GTIs [s]
livetime	7693.3329756198	Livetime [s]
ontime4	7791.9999710321	Sum of GTIs [s]
ontime5	7791.9999710321	Sum of GTIs [s]
ontime6	7791.9999710321	Sum of GTIs [s]
ontime7	7791.9999710321	Sum of GTIs [s]
ontime8	7791.9999710321	Sum of GTIs [s]
ontime9	7791.9999710321	Sum of GTIs [s]
l2events	562296	Number of level 2 events

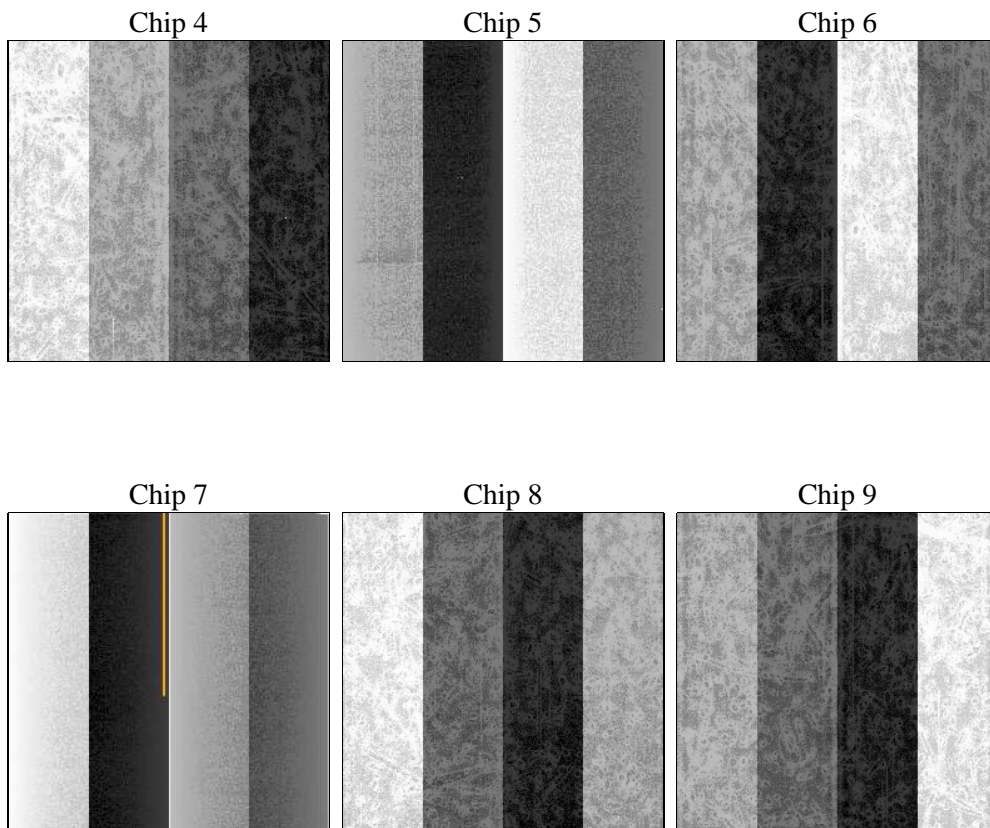
2 OBI

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	8.4.4	Processing system revision	ontime	7791.9999710321	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	7791.9999710321	Sum of GTIs [s]
date	2012-05-21T11:01:41	Date and time of file creation	ontime5	7791.9999710321	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7791.9999710321	Sum of GTIs [s]
			ontime7	7791.9999710321	Sum of GTIs [s]
			ontime8	7791.9999710321	Sum of GTIs [s]
			ontime9	7791.9999710321	Sum of GTIs [s]
			l1events	1045517	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	164939	190169	161554	184618	184643	159594	grade 0 events	50173	21517	47405	23655	52127	46993
rejected events	77844	67681	71566	62939	79862	71653		30%	11%	29%	12%	28%	29%
rejected %	47%	35%	44%	34%	43%	44%	grade 1 events	499	209	299	168	367	358
								0%	0%	0%	0%	0%	0%
							grade 2 events	13694	43146	15868	26356	19320	15608
								8%	22%	9%	14%	10%	9%
							grade 3 events	6024	5812	5791	11526	7553	5941
								3%	3%	3%	6%	4%	3%
							grade 4 events	5892	5746	5700	11290	7561	5754
								3%	3%	3%	6%	4%	3%
							grade 5 events	3957	9196	4046	10427	5419	4588
								2%	4%	2%	5%	2%	2%
							grade 6 events	11312	46267	15224	48852	18220	13645
								6%	24%	9%	26%	9%	8%
							grade 7 events	73388	58276	67221	52344	74076	66707
								44%	30%	41%	28%	40%	41%

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	20.78572683327181	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-3.275092590727144	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	86.9100120484637	[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)	338119759.926915	338119758.90191			
Observation start date	2008-09-18T10:09:20	2008-09-18T10:09:18			
[s] Observation end time (MET)	338134532.227642	338134531.20264			
Observation end date	2008-09-18T14:15:32	2008-09-18T14:15:31			
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)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7919999710321

A.2 Comments