

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57691 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 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

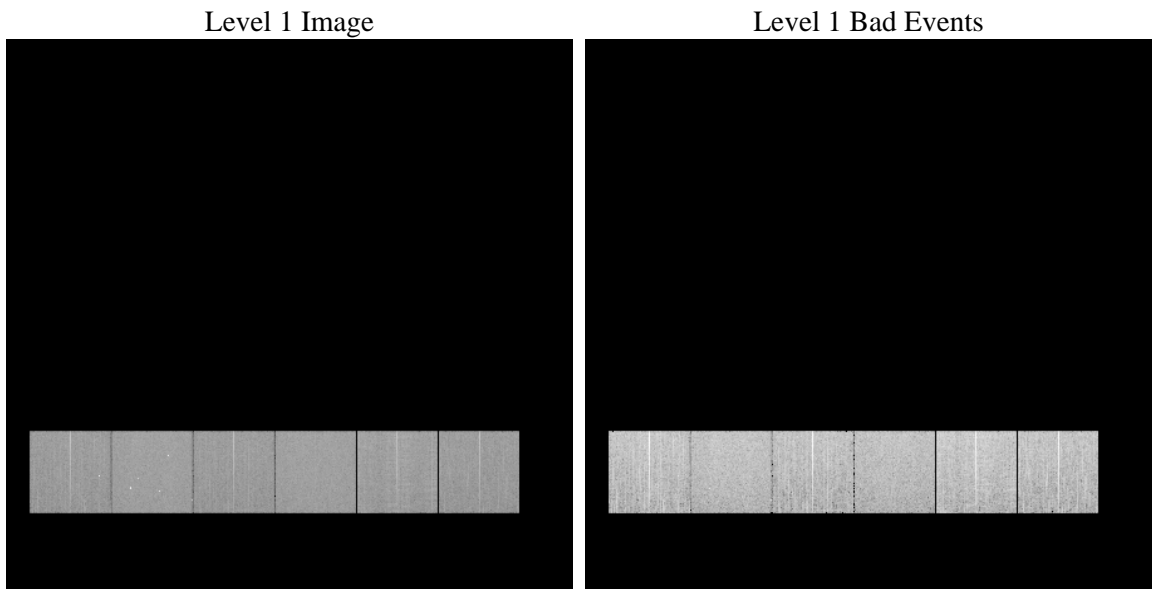
1 Front

seq_num	 	Sequence number
obs_id	57691	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	49.979240995776	Nominal RA [deg]
dec_nom	48.02520565279	Nominal Dec [deg]
roll_nom	86.105568753137	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7794.2783538699	Sum of GTIs [s]
livetime	7695.5825082022	Livetime [s]
ontime4	7794.15523386	Sum of GTIs [s]
ontime5	7794.2373138666	Sum of GTIs [s]
ontime6	7794.1962738633	Sum of GTIs [s]
ontime7	7794.2783538699	Sum of GTIs [s]
ontime8	7794.1141938567	Sum of GTIs [s]
ontime9	7794.3193938732	Sum of GTIs [s]
l2events	583894	Number of level 2 events

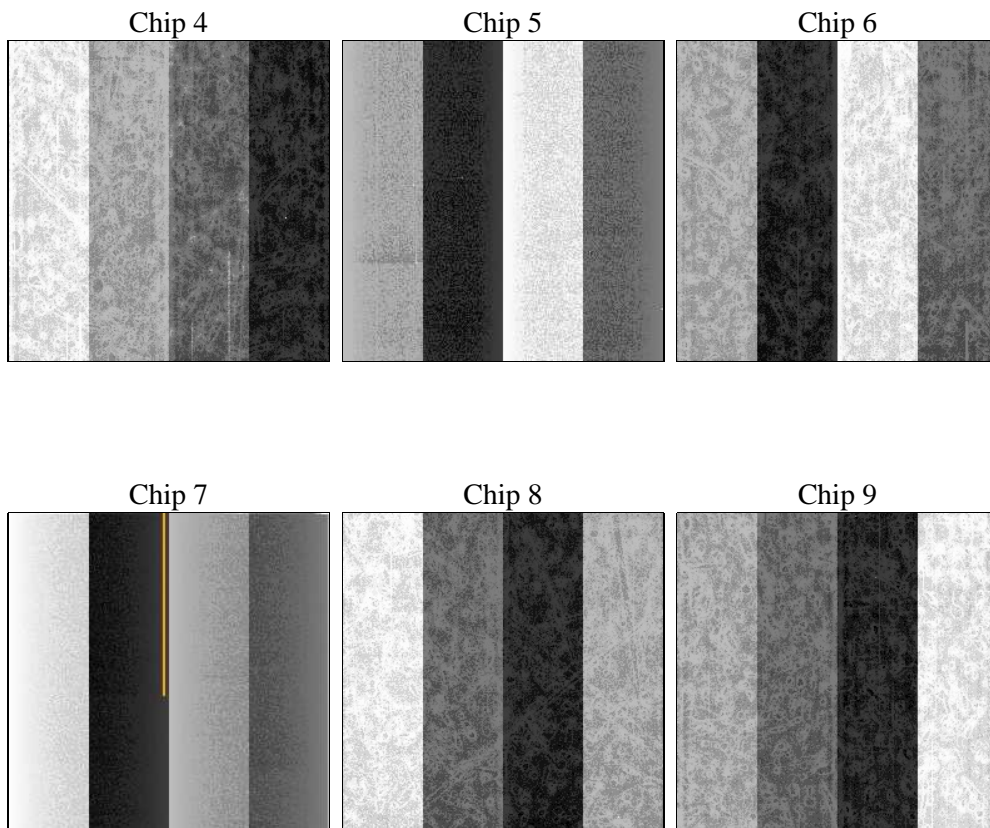
2 OBI

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	7794.2783538699	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	7794.15523386	Sum of GTIs [s]
date	2012-05-18T05:40:21	Date and time of file creation	ontime5	7794.2373138666	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7794.1962738633	Sum of GTIs [s]
			ontime7	7794.2783538699	Sum of GTIs [s]
			ontime8	7794.1141938567	Sum of GTIs [s]
			ontime9	7794.3193938732	Sum of GTIs [s]
			l1events	1045030	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	164403	187511	162108	184326	185384	161298	grade 0 events	51913	21452	50556	25257	54455	49684
rejected events	73886	64789	66488	60553	78405	68846		31%	11%	31%	13%	29%	30%
rejected %	44%	34%	41%	32%	42%	42%	grade 1 events	469	269	304	151	319	376
								0%	0%	0%	0%	0%	0%
							grade 2 events	14153	43624	16917	26816	19491	16012
								8%	23%	10%	14%	10%	9%
							grade 3 events	6234	6175	6241	11513	7470	6203
								3%	3%	3%	6%	4%	3%
							grade 4 events	6244	5967	5950	11535	7440	5953
								3%	3%	3%	6%	4%	3%
							grade 5 events	3945	8948	4021	10037	5169	4426
								2%	4%	2%	5%	2%	2%
							grade 6 events	11973	45504	15956	48652	18123	14600
								7%	24%	9%	26%	9%	9%
							grade 7 events	69472	55572	62163	50365	72917	64044
								42%	29%	38%	27%	39%	39%

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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	49.97924099577585	Alternating exposures requested	N	N
[deg] Pointing Dec	0	48.02520565278987	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	86.10556875313708			
[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)	332407232.436876	332407231.41188			
Observation start date	2008-07-14T07:20:32	2008-07-14T07:20:31			
[s] Observation end time (MET)	332417765.337392	332417764.31239			
Observation end date	2008-07-14T10:16:05	2008-07-14T10:16:04			
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)	2012.05.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7942783538699

A.2 Comments