

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57695 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 17 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

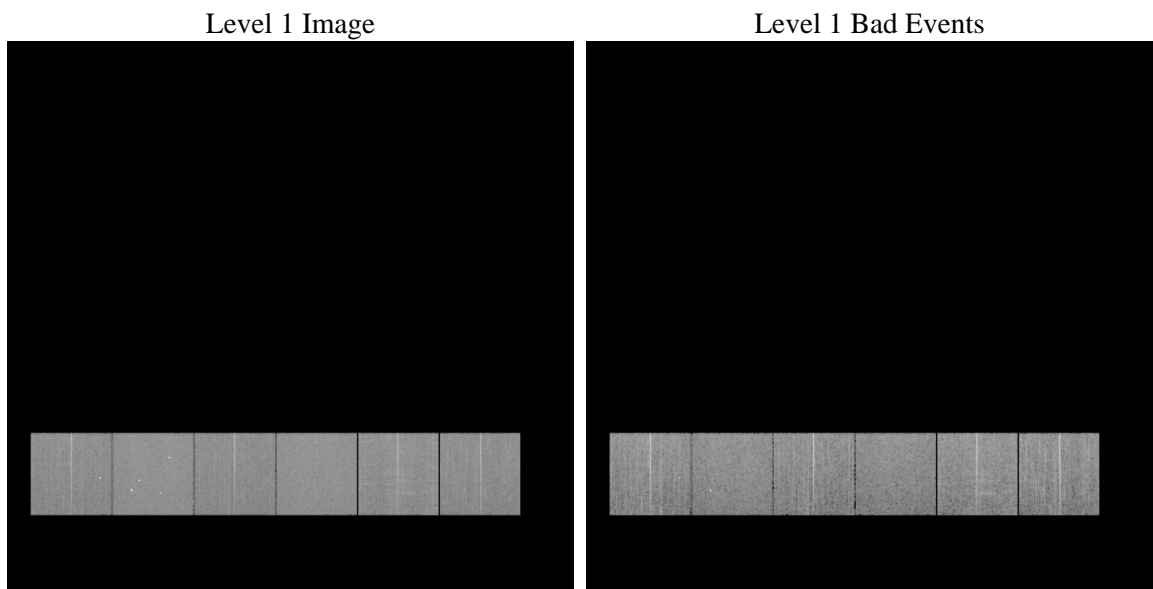
1 Front

seq_num	 	Sequence number
obs_id	57695	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	280.98186530095	Nominal RA [deg]
dec_nom	0.97772700913878	Nominal Dec [deg]
roll_nom	197.99899590491	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8220.7999694347	Sum of GTIs [s]
livetime	8116.7032502503	Livetime [s]
ontime4	8220.7999694347	Sum of GTIs [s]
ontime5	8220.7999694347	Sum of GTIs [s]
ontime6	8220.7999694347	Sum of GTIs [s]
ontime7	8220.7999694347	Sum of GTIs [s]
ontime8	8220.7999694347	Sum of GTIs [s]
ontime9	8220.7999694347	Sum of GTIs [s]
l2events	606615	Number of level 2 events

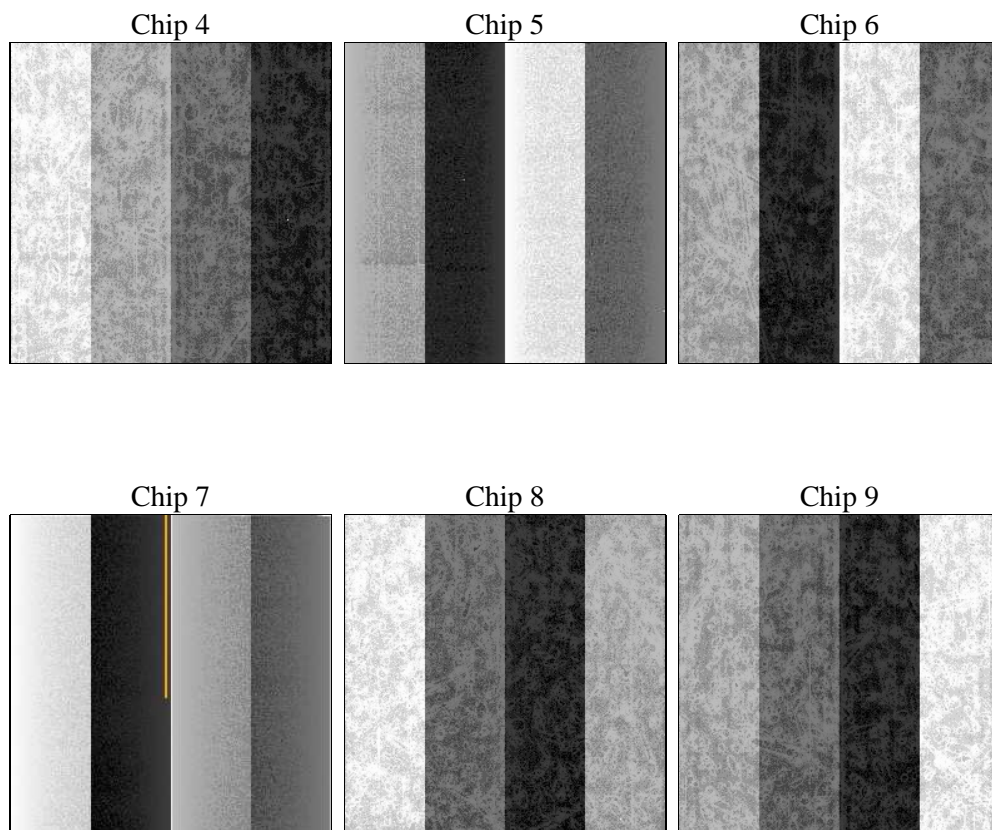
2 OBI

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	8220.7999694347	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8220.7999694347	Sum of GTIs [s]
date	2012-05-17T18:56:33	Date and time of file creation	ontime5	8220.7999694347	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8220.7999694347	Sum of GTIs [s]
			ontime7	8220.7999694347	Sum of GTIs [s]
			ontime8	8220.7999694347	Sum of GTIs [s]
			ontime9	8220.7999694347	Sum of GTIs [s]
			l1events	1123905	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	176436	204050	173465	197399	196529	176026	grade 0 events	55097	22670	52374	25920	56398	51677
rejected events	81724	73747	75142	67125	84925	80511		31%	11%	30%	13%	28%	29%
rejected %	46%	36%	43%	34%	43%	45%	grade 1 events	542	204	328	164	378	401
								0%	0%	0%	0%	0%	0%
							grade 2 events	14926	46598	17447	28589	20747	16542
								8%	22%	10%	14%	10%	9%
							grade 3 events	6504	6090	6335	12420	8075	6449
								3%	2%	3%	6%	4%	3%
							grade 4 events	6484	6047	6333	12120	7798	6295
								3%	2%	3%	6%	3%	3%
							grade 5 events	4348	9858	4381	10787	5550	4882
								2%	4%	2%	5%	2%	2%
							grade 6 events	12292	49641	16424	51936	19214	15121
								6%	24%	9%	26%	9%	8%
							grade 7 events	76243	62942	69843	55463	78369	74659
								43%	30%	40%	28%	39%	42%

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	280.9818653009524	Alternating exposures requested	N	N
[deg] Pointing Dec	0	0.9777270091387753	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	197.9989959049091			
[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)	331985842.616237	331985841.59124			
Observation start date	2008-07-09T10:17:23	2008-07-09T10:17:21			
[s] Observation end time (MET)	332008433.617343	332008432.59234			
Observation end date	2008-07-09T16:33:54	2008-07-09T16:33:52			
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	8.2207999694347

A.2 Comments