

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61448 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 25 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

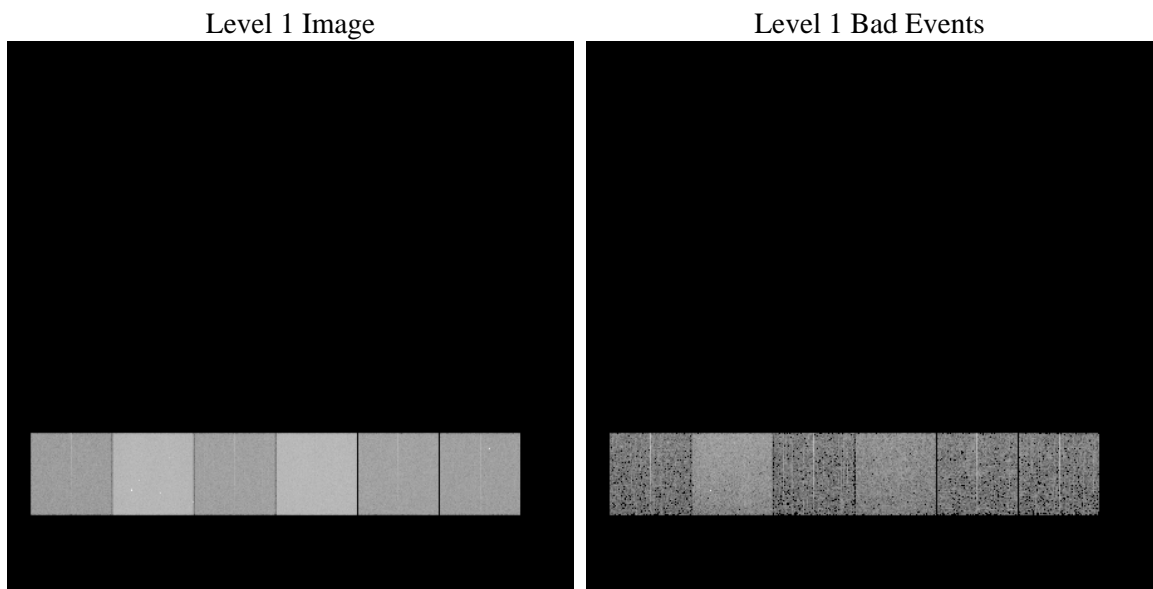
1 Front

seq_num	 	Sequence number
obs_id	61448	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	310.03060262509	Nominal RA [deg]
dec_nom	-40.016432668139	Nominal Dec [deg]
roll_nom	292.18160520549	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5871.5213375241	Sum of GTIs [s]
livetime	5797.1725989426	Livetime [s]
ontime4	2275.2075719088	Sum of GTIs [s]
ontime5	6312.2504431307	Sum of GTIs [s]
ontime6	2472.9108818471	Sum of GTIs [s]
ontime7	5871.5213375241	Sum of GTIs [s]
ontime8	2563.6598719954	Sum of GTIs [s]
ontime9	2411.3311518729	Sum of GTIs [s]
l2events	1223868	Number of level 2 events

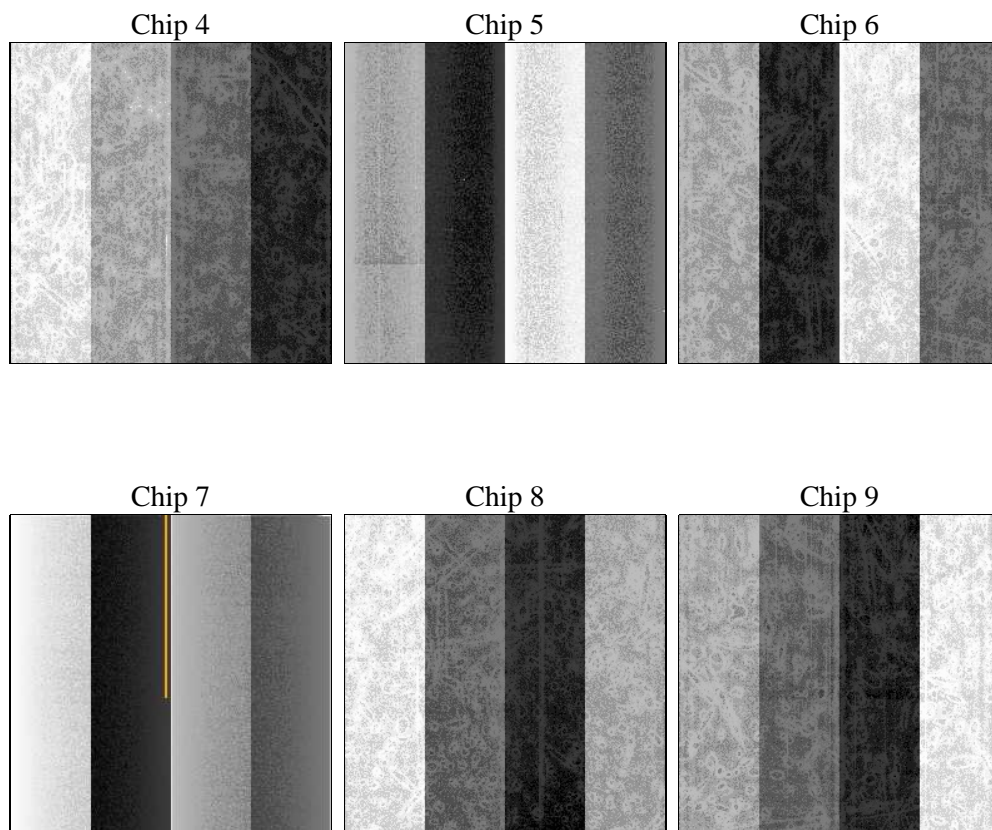
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5871.5213375241	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	2275.2075719088	Sum of GTIs [s]
date	2012-09-25T06:07:29	Date and time of file creation	ontime5	6312.2504431307	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2472.9108818471	Sum of GTIs [s]
			ontime7	5871.5213375241	Sum of GTIs [s]
			ontime8	2563.6598719954	Sum of GTIs [s]
			ontime9	2411.3311518729	Sum of GTIs [s]
			l1events	1423426	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	148093	375962	172013	386973	178205	162180	grade 0 events	73988	82623	83811	91935	87306	78866
rejected events	17794	42383	18313	28863	19787	18347		49%	21%	48%	23%	48%	48%
rejected %	12%	11%	10%	7%	11%	11%	grade 1 events	431	236	396	202	445	398
								0%	0%	0%	0%	0%	0%
							grade 2 events	22869	117556	26714	79428	27951	25316
								15%	31%	15%	20%	15%	15%
							grade 3 events	8081	22125	9573	36388	9841	8908
								5%	5%	5%	9%	5%	5%
							grade 4 events	7915	21661	9518	36492	10005	9041
								5%	5%	5%	9%	5%	5%
							grade 5 events	1174	8271	1400	6256	1538	1356
								0%	2%	0%	1%	0%	0%
							grade 6 events	17446	89614	24084	113867	23315	21702
								11%	23%	14%	29%	13%	13%
							grade 7 events	16189	33876	16517	22405	17804	16593
								10%	9%	9%	5%	9%	10%

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	310.030602625092	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-40.01643266813948	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	292.181605205486			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	118788995.946	118788995.17734			
Observation start date	2001-10-06T20:56:36	2001-10-06T20:56:35			
[s] Observation end time (MET)	118825787.297	118825786.5288			
Observation end date	2001-10-07T07:09:47	2001-10-07T07:09:46			
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)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.8715213375241

A.2 Comments