

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 62138 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Aug 23 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

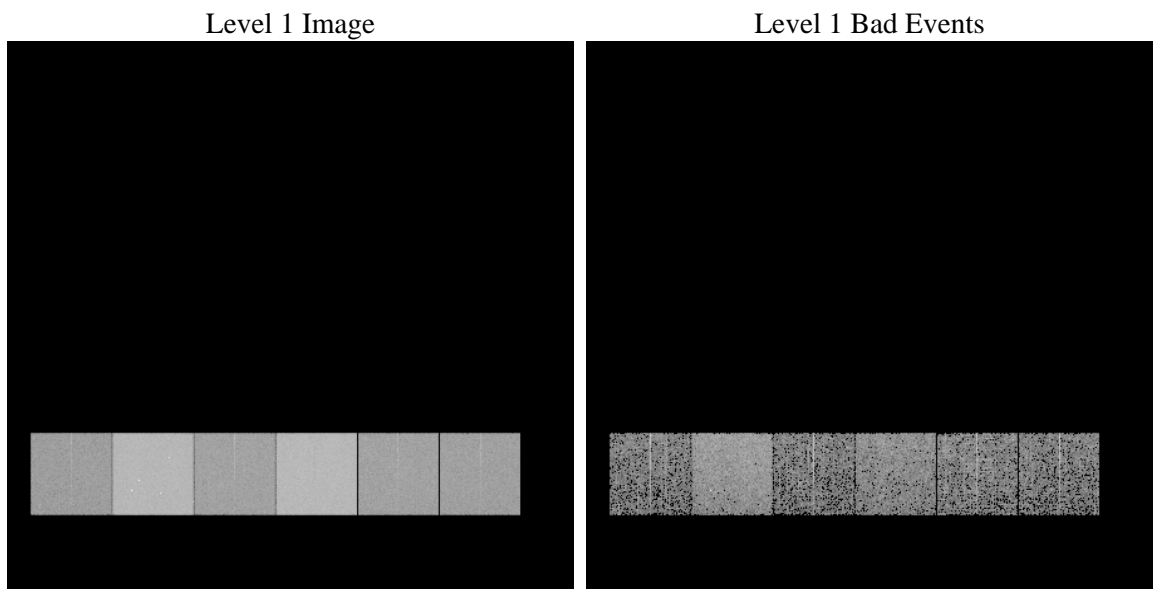
1 Front

seq_num	 	Sequence number
obs_id	62138	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	71.022100122851	Nominal RA [deg]
dec_nom	35.727549245426	Nominal Dec [deg]
roll_nom	277.70219271901	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2980.5867787302	Sum of GTIs [s]
livetime	2942.844794244	Livetime [s]
ontime4	1182.978270635	Sum of GTIs [s]
ontime5	3181.4860103577	Sum of GTIs [s]
ontime6	1306.1376207918	Sum of GTIs [s]
ontime7	2980.5867787302	Sum of GTIs [s]
ontime8	1278.8854975104	Sum of GTIs [s]
ontime9	1257.521961078	Sum of GTIs [s]
l2events	927762	Number of level 2 events

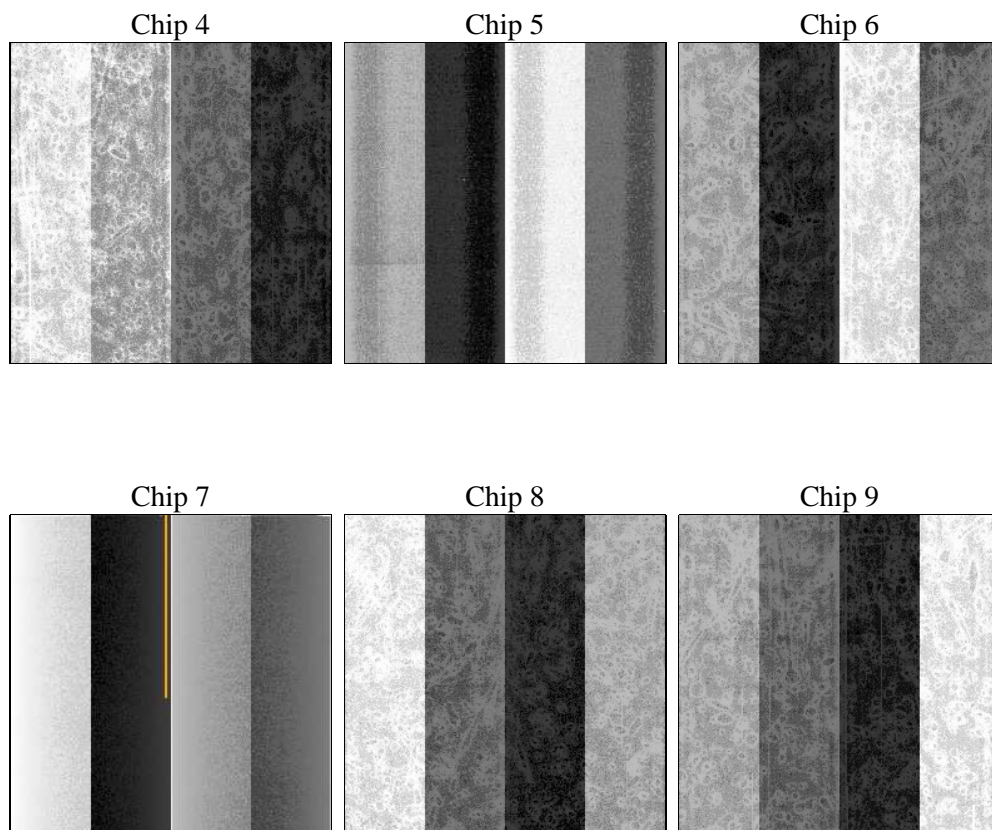
2 OBI

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	2980.5867787302	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	1182.978270635	Sum of GTIs [s]
date	2012-08-23T19:29:31	Date and time of file creation	ontime5	3181.4860103577	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	1306.1376207918	Sum of GTIs [s]
			ontime7	2980.5867787302	Sum of GTIs [s]
			ontime8	1278.8854975104	Sum of GTIs [s]
			ontime9	1257.521961078	Sum of GTIs [s]
			l1events	1063546	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	112640	277687	132366	286847	131016	122990	grade 0 events	56604	63973	65402	69026	64273	60511
rejected events	12682	26663	12398	17161	14521	12496		50%	23%	49%	24%	49%	49%
rejected %	11%	9%	9%	5%	11%	10%	grade 1 events	380	201	385	189	367	359
								0%	0%	0%	0%	0%	0%
							grade 2 events	17666	87804	20608	59428	20424	19420
								15%	31%	15%	20%	15%	15%
							grade 3 events	6161	16751	7469	27952	7322	6875
								5%	6%	5%	9%	5%	5%
							grade 4 events	6037	16658	7478	27761	7456	7056
								5%	5%	5%	9%	5%	5%
							grade 5 events	843	5606	945	3885	1031	931
								0%	2%	0%	1%	0%	0%
							grade 6 events	13490	65838	19011	85519	17020	16632
								11%	23%	14%	29%	12%	13%
							grade 7 events	11459	20856	11068	13087	13123	11206
								10%	7%	8%	4%	10%	9%

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	71.02210012285123	Alternating exposures requested	N	N
[deg] Pointing Dec	0	35.72754924542648	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	277.7021927190084			
[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)	68573071.433	68573070.664498			
Observation start date	2000-03-04T16:04:31	2000-03-04T16:04:30			
[s] Observation end time (MET)	68580371.483	68580370.714765			
Observation end date	2000-03-04T18:06:11	2000-03-04T18:06:10			
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)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9805867787302

A.2 Comments