

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61365 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 29 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

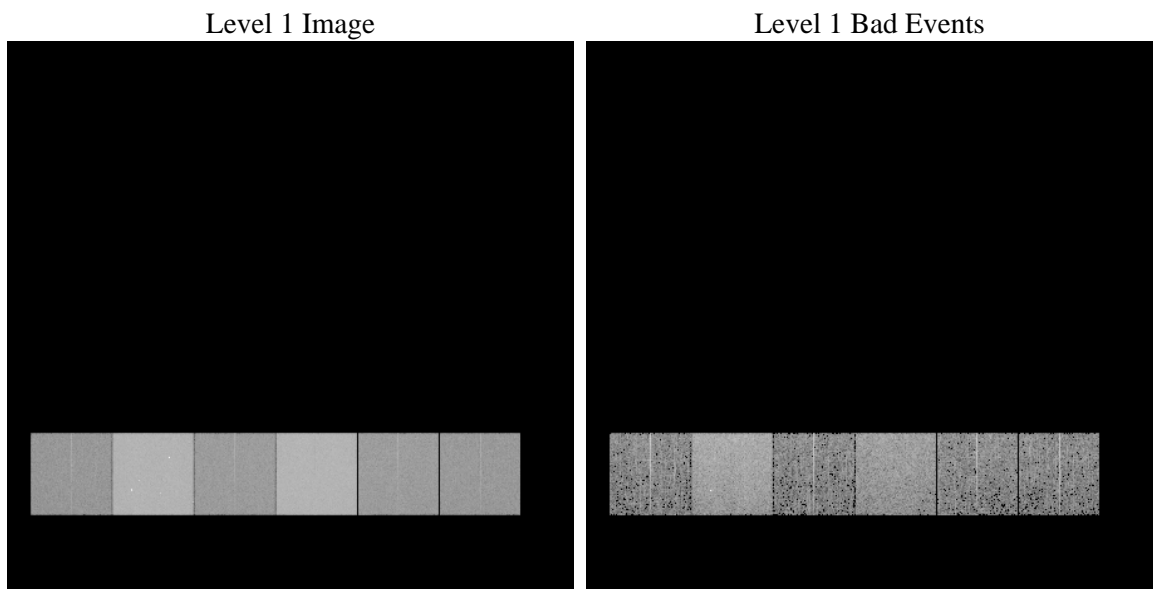
1 Front

seq_num	 	Sequence number
obs_id	61365	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	130.01872015382	Nominal RA [deg]
dec_nom	-43.974772017172	Nominal Dec [deg]
roll_nom	29.251416799693	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6280.6836269051	Sum of GTIs [s]
livetime	6201.1538290476	Livetime [s]
ontime4	2291.022962898	Sum of GTIs [s]
ontime5	6718.2130233943	Sum of GTIs [s]
ontime6	2572.2912592888	Sum of GTIs [s]
ontime7	6280.6836269051	Sum of GTIs [s]
ontime8	2611.2656197846	Sum of GTIs [s]
ontime9	2400.3930894583	Sum of GTIs [s]
l2events	1206849	Number of level 2 events

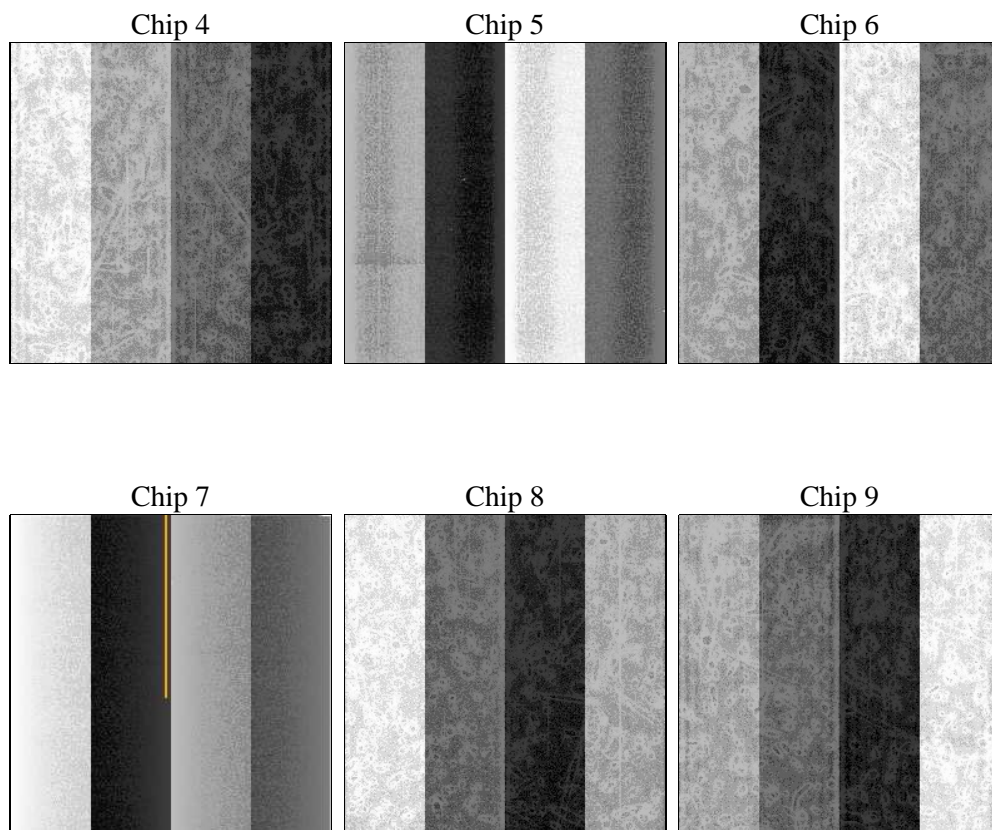
2 OBI

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	6280.6836269051	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	2291.022962898	Sum of GTIs [s]
date	2012-09-29T17:45:20	Date and time of file creation	ontime5	6718.2130233943	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2572.2912592888	Sum of GTIs [s]
			ontime7	6280.6836269051	Sum of GTIs [s]
			ontime8	2611.2656197846	Sum of GTIs [s]
			ontime9	2400.3930894583	Sum of GTIs [s]
			l1events	1422355	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	143404	387194	169279	396592	172956	152930	grade 0 events	69822	82806	81711	93171	83338	73124
rejected events	20390	47769	19723	33414	21163	19638		48%	21%	48%	23%	48%	47%
rejected %	14%	12%	11%	8%	12%	12%	grade 1 events	378	276	387	261	418	392
								0%	0%	0%	0%	0%	0%
							grade 2 events	21694	120529	25928	80432	26855	23636
								15%	31%	15%	20%	15%	15%
							grade 3 events	7581	21805	9331	37111	9714	8206
								5%	5%	5%	9%	5%	5%
							grade 4 events	7471	21800	9164	37053	9460	8300
								5%	5%	5%	9%	5%	5%
							grade 5 events	1237	8964	1423	6890	1613	1453
								0%	2%	0%	1%	0%	0%
							grade 6 events	16607	92639	23422	115604	22426	20026
								11%	23%	13%	29%	12%	13%
							grade 7 events	18614	38375	17913	26070	19132	17793
								12%	9%	10%	6%	11%	11%

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	130.0187201538189	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-43.97477201717198	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	29.25141679969342			
[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)	126100257.688	126100256.91911			
Observation start date	2001-12-30T11:50:58	2001-12-30T11:50:56			
[s] Observation end time (MET)	126138488.139	126138487.37065			
Observation end date	2001-12-30T22:28:08	2001-12-30T22:28:07			
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)	2012.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.2806836269051

A.2 Comments