

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56999 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 9 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

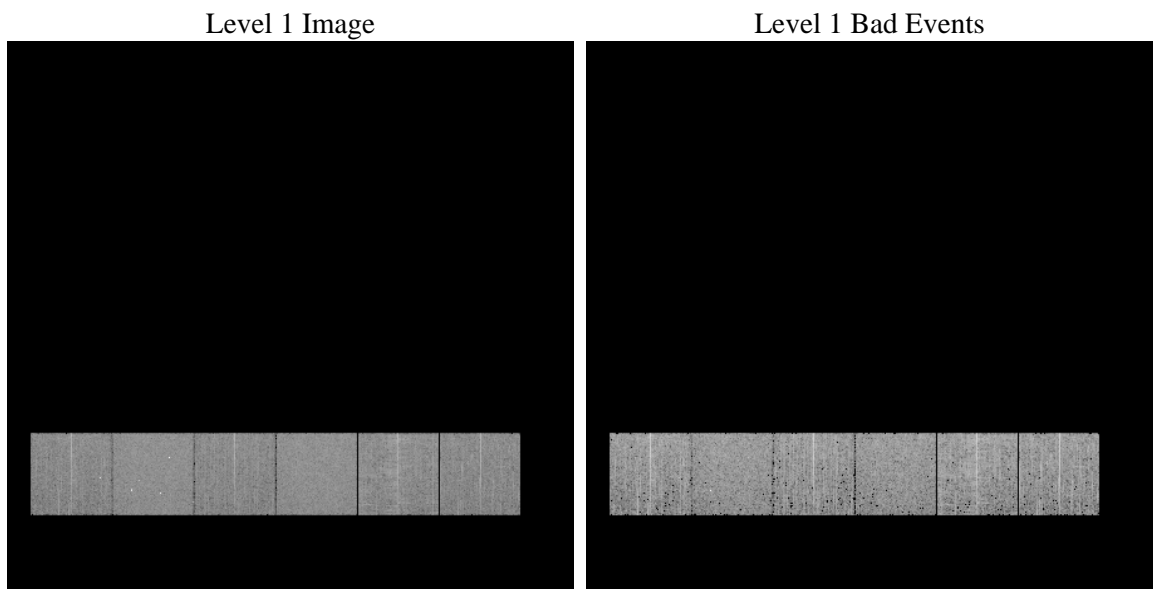
1 Front

seq_num	 	Sequence number
obs_id	56999	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	291.7056478476	Nominal RA [deg]
dec_nom	-18.453931360603	Nominal Dec [deg]
roll_nom	118.48938100464	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3187.1999881864	Sum of GTIs [s]
livetime	3146.8417428345	Livetime [s]
ontime4	3187.1999881864	Sum of GTIs [s]
ontime5	3187.1999881864	Sum of GTIs [s]
ontime6	3187.1999881864	Sum of GTIs [s]
ontime7	3187.1999881864	Sum of GTIs [s]
ontime8	3187.1999881864	Sum of GTIs [s]
ontime9	3187.1999881864	Sum of GTIs [s]
l2events	198735	Number of level 2 events

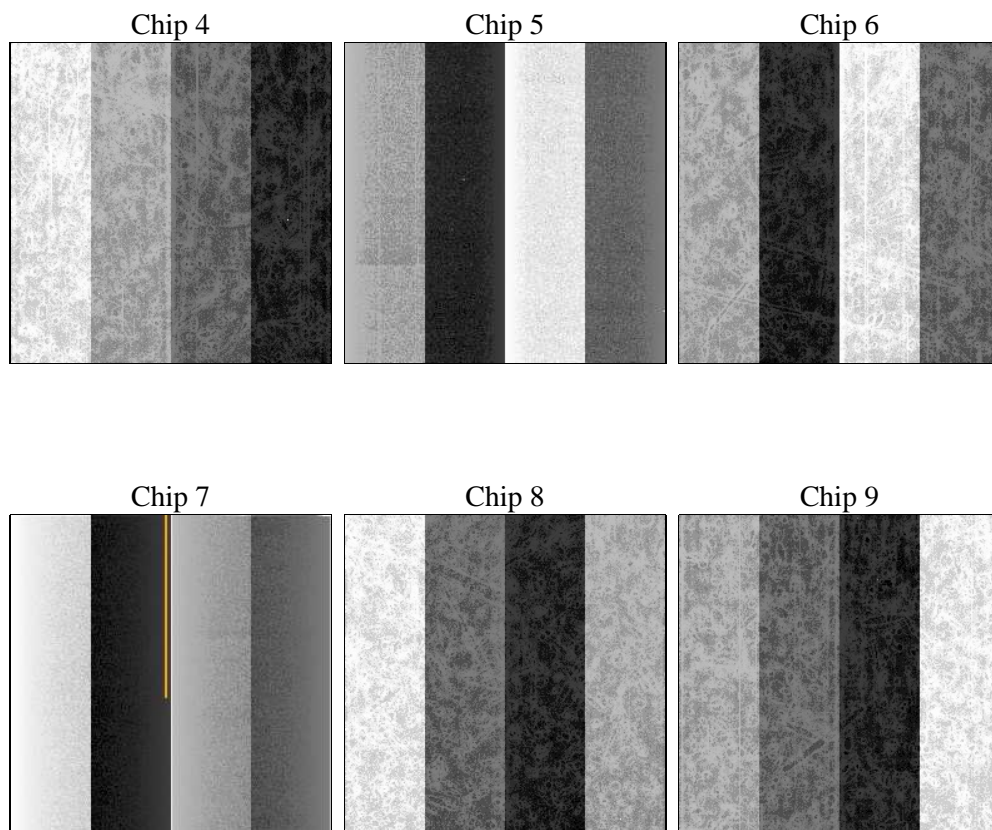
2 OBI

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	3187.1999881864	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	3187.1999881864	Sum of GTIs [s]
date	2012-06-09T21:56:08	Date and time of file creation	ontime5	3187.1999881864	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3187.1999881864	Sum of GTIs [s]
			ontime7	3187.1999881864	Sum of GTIs [s]
			ontime8	3187.1999881864	Sum of GTIs [s]
			ontime9	3187.1999881864	Sum of GTIs [s]
			l1events	415906	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	63087	77407	63422	75197	73444	63349	grade 0 events	17248	8191	16569	8384	18336	16290
rejected events	33766	30952	32588	30067	36714	33423		27%	10%	26%	11%	24%	25%
rejected %	53%	39%	51%	39%	49%	52%	grade 1 events	158	86	103	56	142	116
								0%	0%	0%	0%	0%	0%
							grade 2 events	4647	16497	5606	10040	7060	5402
								7%	21%	8%	13%	9%	8%
							grade 3 events	2202	2132	2148	4370	2830	2105
								3%	2%	3%	5%	3%	3%
							grade 4 events	2105	1986	2089	4294	2683	2035
								3%	2%	3%	5%	3%	3%
							grade 5 events	1691	4094	1839	4680	2388	2012
								2%	5%	2%	6%	3%	3%
							grade 6 events	3942	18929	5288	19266	6883	4940
								6%	24%	8%	25%	9%	7%
							grade 7 events	31094	25492	29780	24107	33122	30449
								49%	32%	46%	32%	45%	48%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	291.7056478475953
[deg] Pointing Dec	0	-18.453931360603
[deg] Pointing Roll	0.0	118.489381004636
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	362802640.600628	362802640.600628
Observation start date	2009-07-01T02:30:41	2009-07-01T02:30:40
[s] Observation end time (MET)	362807189.011976	362807189.011976
Observation end date	2009-07-01T03:46:29	2009-07-01T03:46:29
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1871999881864

A.2 Comments