

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 59380 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 30 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

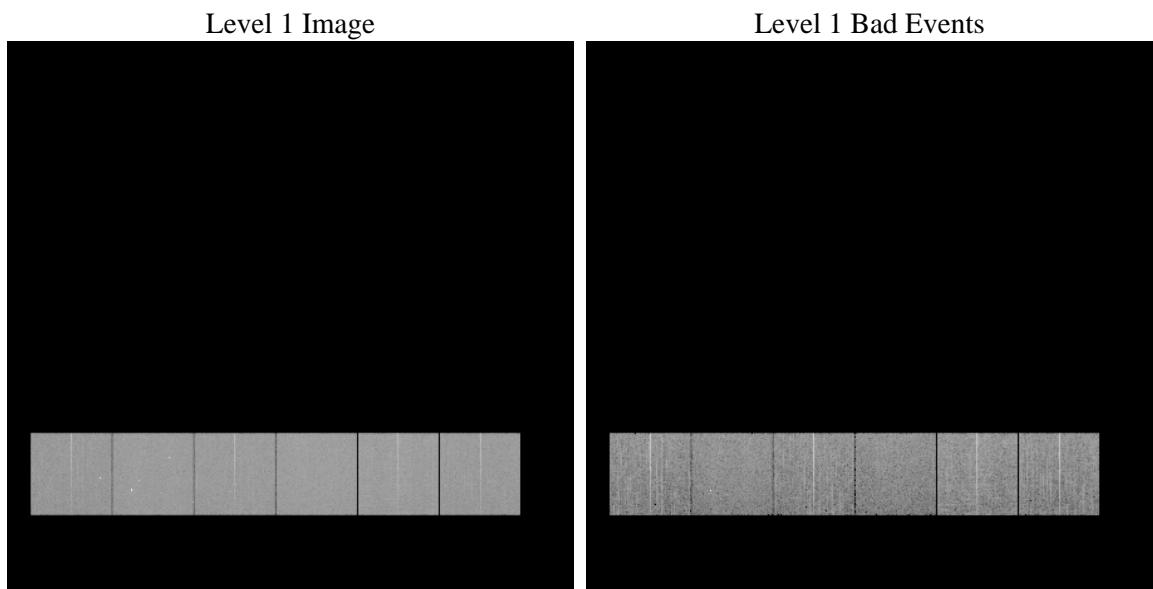
1 Front

seq_num	 	Sequence number
obs_id	59380	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	30.019827084378	Nominal RA [deg]
dec_nom	-17.978810738812	Nominal Dec [deg]
roll_nom	13.668340341273	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7798.3999709487	Sum of GTIs [s]
livetime	7699.6519348838	Livetime [s]
ontime4	7085.383995682	Sum of GTIs [s]
ontime5	7798.3999709487	Sum of GTIs [s]
ontime6	7535.8804666698	Sum of GTIs [s]
ontime7	7798.3999709487	Sum of GTIs [s]
ontime8	7691.4475212395	Sum of GTIs [s]
ontime9	7471.0609002709	Sum of GTIs [s]
l2events	980437	Number of level 2 events

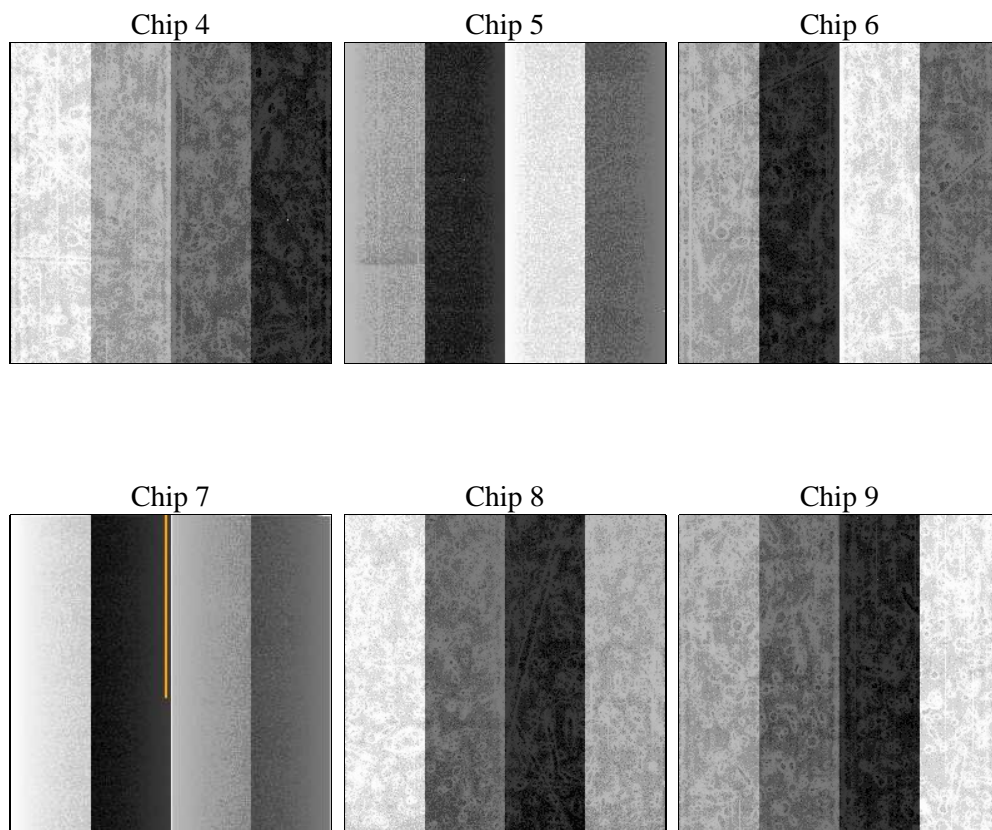
2 OBI

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	8.5.1.1	Processing system revision	ontime	7798.3999709487	Sum of GTIs [s]
caldsver	4.5.5	 	ontime4	7085.383995682	Sum of GTIs [s]
date	2012-12-30T22:17:36	Date and time of file creation	ontime5	7798.3999709487	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7535.8804666698	Sum of GTIs [s]
			ontime7	7798.3999709487	Sum of GTIs [s]
			ontime8	7691.4475212395	Sum of GTIs [s]
			ontime9	7471.0609002709	Sum of GTIs [s]
			l1events	1399271	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	211243	236551	231649	247243	248585	224000	grade 0 events	88004	36998	93047	45844	97491	90187
rejected events	59578	56769	59291	50727	66114	59519		41%	15%	40%	18%	39%	40%
rejected %	28%	23%	25%	20%	26%	26%	grade 1 events	695	182	540	178	540	581
								0%	0%	0%	0%	0%	0%
							grade 2 events	23862	64775	30193	43492	32326	28069
								11%	27%	13%	17%	13%	12%
							grade 3 events	10035	10123	10783	19823	12260	10627
								4%	4%	4%	8%	4%	4%
							grade 4 events	10108	10132	10649	19200	12038	10733
								4%	4%	4%	7%	4%	4%
							grade 5 events	3199	8578	3803	8944	4615	3877
								1%	3%	1%	3%	1%	1%
							grade 6 events	19727	57827	27765	68213	28443	24939
								9%	24%	11%	27%	11%	11%
							grade 7 events	55613	47936	54869	41549	60872	54987
								26%	20%	23%	16%	24%	24%

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	30.01982708437777
[deg] Pointing Dec	0	-17.97881073881244
[deg] Pointing Roll	0.0	13.66834034127259
[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)	246042384.73193	246042383.70694
Observation start date	2005-10-18T17:06:25	2005-10-18T17:06:23
[s] Observation end time (MET)	246085756.583937	246085755.55894
Observation end date	2005-10-19T05:09:17	2005-10-19T05:09:15
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2013.01.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7983999709487

A.2 Comments