

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 59879 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 15 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

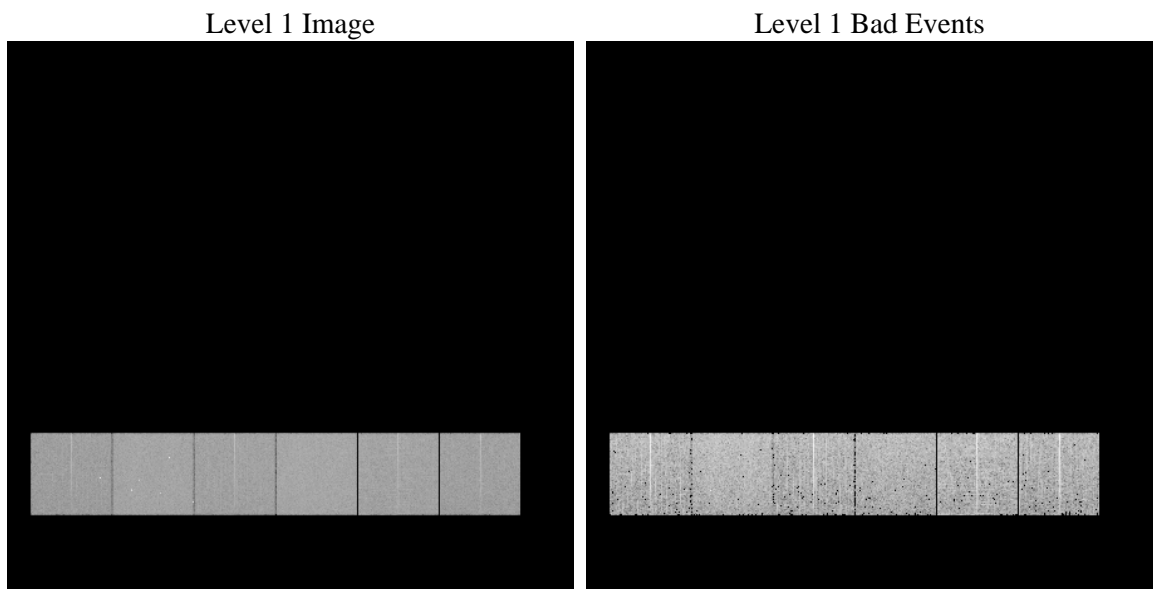
1 Front

seq_num	 	Sequence number
obs_id	59879	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	133.00243206425	Nominal RA [deg]
dec_nom	6.5275670252212	Nominal Dec [deg]
roll_nom	56.520518185507	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4959.0870441496	Sum of GTIs [s]
livetime	4896.2920979929	Livetime [s]
ontime4	3954.0373850763	Sum of GTIs [s]
ontime5	4959.0460041463	Sum of GTIs [s]
ontime6	4275.1588144302	Sum of GTIs [s]
ontime7	4959.0870441496	Sum of GTIs [s]
ontime8	4359.3424700201	Sum of GTIs [s]
ontime9	4132.679389447	Sum of GTIs [s]
l2events	679131	Number of level 2 events

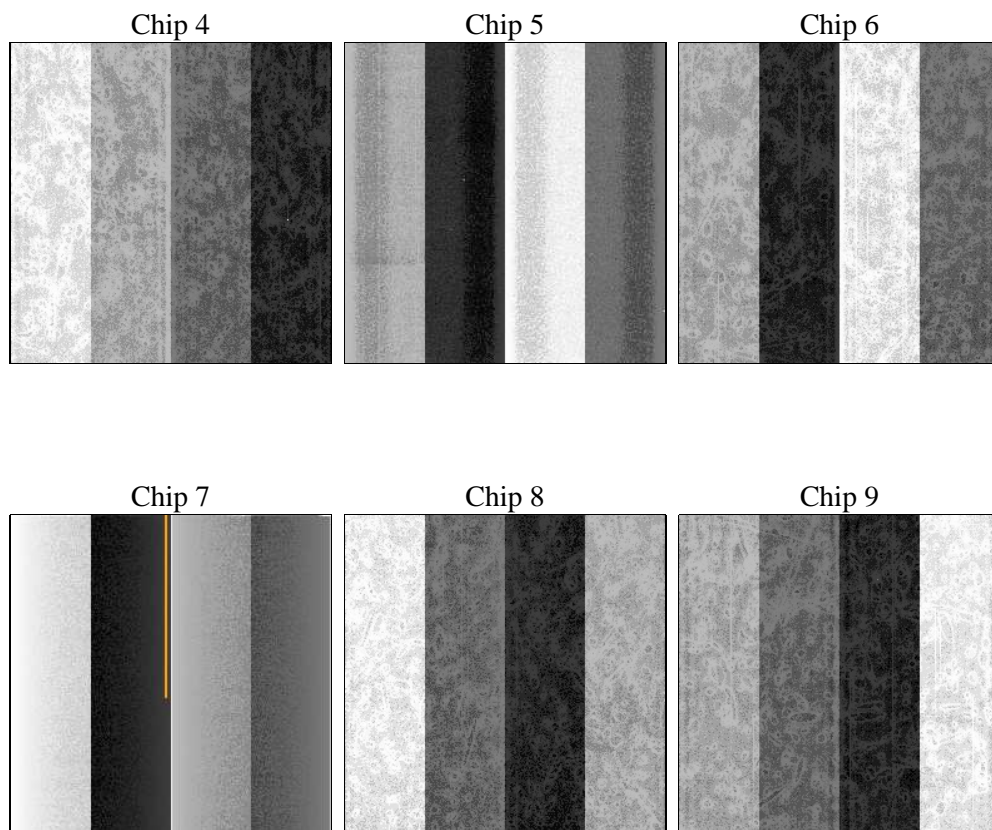
2 OBI

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	Processing system revision	ontime	4959.0870441496	Sum of GTIs [s]
caldsver	4.5.5	 	ontime4	3954.0373850763	Sum of GTIs [s]
date	2012-12-15T22:46:26	Date and time of file creation	ontime5	4959.0460041463	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4275.1588144302	Sum of GTIs [s]
			ontime7	4959.0870441496	Sum of GTIs [s]
			ontime8	4359.3424700201	Sum of GTIs [s]
			ontime9	4132.679389447	Sum of GTIs [s]
			l1events	905422	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	130769	162312	146886	171924	155447	138084	grade 0 events	58764	27336	63907	34490	66659	60306
rejected events	29872	33126	29704	28286	32997	29058		44%	16%	43%	20%	42%	43%
rejected %	22%	20%	20%	16%	21%	21%	grade 1 events	458	125	352	100	352	364
								0%	0%	0%	0%	0%	0%
							grade 2 events	15884	47689	20145	31525	21375	18600
								12%	29%	13%	18%	13%	13%
							grade 3 events	6794	7162	7467	14150	8052	6964
								5%	4%	5%	8%	5%	5%
							grade 4 events	6741	7165	7131	14178	7945	6877
								5%	4%	4%	8%	5%	4%
							grade 5 events	1751	5181	1916	5071	2301	1997
								1%	3%	1%	2%	1%	1%
							grade 6 events	12714	39916	18615	49388	18507	16374
								9%	24%	12%	28%	11%	11%
							grade 7 events	27663	27738	27353	23022	30256	26602
								21%	17%	18%	13%	19%	19%

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	133.0024320642482
[deg] Pointing Dec	0	6.527567025221151
[deg] Pointing Roll	0.0	56.52051818550696
[mm] SIM focus pos	-0.684267	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	221142888.846824	221142887.82183
Observation start date	2005-01-03T12:34:49	2005-01-03T12:34:47
[s] Observation end time (MET)	221160235.947606	221160234.92262
Observation end date	2005-01-03T17:23:56	2005-01-03T17:23:54
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)	2013.01.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9590870441496

A.2 Comments