

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55407 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 10 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

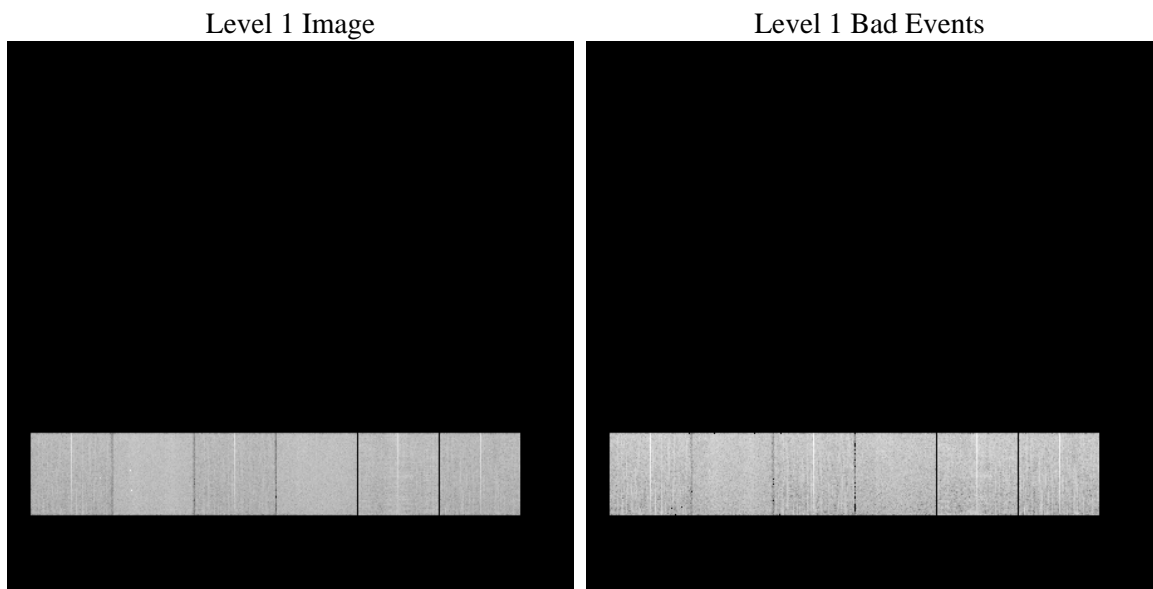
1 Front

seq_num	 	Sequence number
obs_id	55407	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	219.00769588932	Nominal RA [deg]
dec_nom	-9.0289793080288	Nominal Dec [deg]
roll_nom	238.92809479778	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8280.7375919223	Sum of GTIs [s]
livetime	8175.8819064718	Livetime [s]
ontime4	8280.6144719124	Sum of GTIs [s]
ontime5	8280.696551919	Sum of GTIs [s]
ontime6	8280.6555119157	Sum of GTIs [s]
ontime7	8280.7375919223	Sum of GTIs [s]
ontime8	8280.5734319091	Sum of GTIs [s]
ontime9	8277.5600401759	Sum of GTIs [s]
l2events	340299	Number of level 2 events

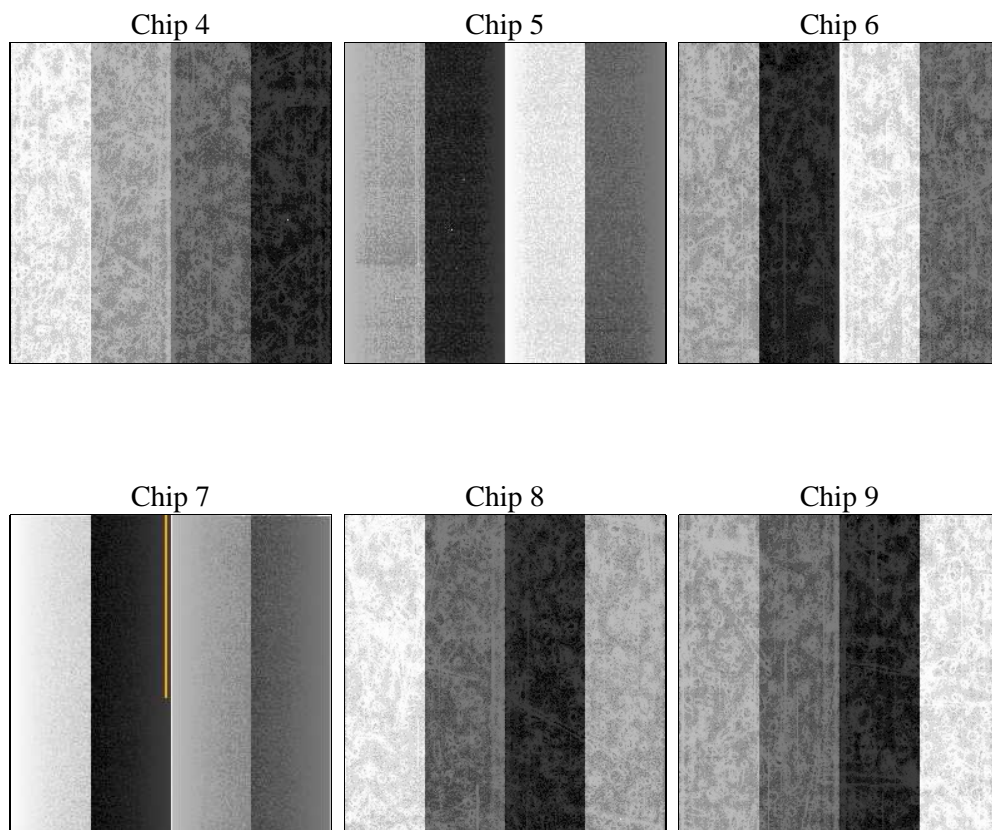
2 OBI

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	8.4.3	Processing system revision	ontime	8280.7375919223	Sum of GTIs [s]
caldsver	4.4.7	 	ontime4	8280.6144719124	Sum of GTIs [s]
date	2012-02-11T03:28:16	Date and time of file creation	ontime5	8280.696551919	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8280.6555119157	Sum of GTIs [s]
			ontime7	8280.7375919223	Sum of GTIs [s]
			ontime8	8280.5734319091	Sum of GTIs [s]
			ontime9	8277.5600401759	Sum of GTIs [s]
			l1events	768546	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	116147	148028	114847	141926	131802	115796	grade 0 events	27436	7495	22727	12495	29289	25565
rejected events	68203	65999	65295	62433	69668	66634		23%	5%	19%	8%	22%	22%
rejected %	58%	44%	56%	43%	52%	57%	grade 1 events	254	199	107	94	148	165
								0%	0%	0%	0%	0%	0%
							grade 2 events	7361	30707	11899	17784	12412	9091
								6%	20%	10%	12%	9%	7%
							grade 3 events	3447	2840	2927	6609	4443	3196
								2%	1%	2%	4%	3%	2%
							grade 4 events	3352	2748	2826	6375	4338	3209
								2%	1%	2%	4%	3%	2%
							grade 5 events	3628	7147	3380	8729	4655	3931
								3%	4%	2%	6%	3%	3%
							grade 6 events	6348	38239	9173	36230	11652	8101
								5%	25%	7%	25%	8%	6%
							grade 7 events	64321	58653	61808	53610	64865	62538
								55%	39%	53%	37%	49%	54%

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	219.0076958893189
[deg] Pointing Dec	0	-9.028979308028848
[deg] Pointing Roll	0.0	238.928094797784
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	422694053.75599	422694052.73099
Observation start date	2011-05-25T07:00:54	2011-05-25T07:00:52
[s] Observation end time (MET)	422706607.956642	422706606.93164
Observation end date	2011-05-25T10:30:08	2011-05-25T10:30:06
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2807375919223

A.2 Comments