

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56798 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 14 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

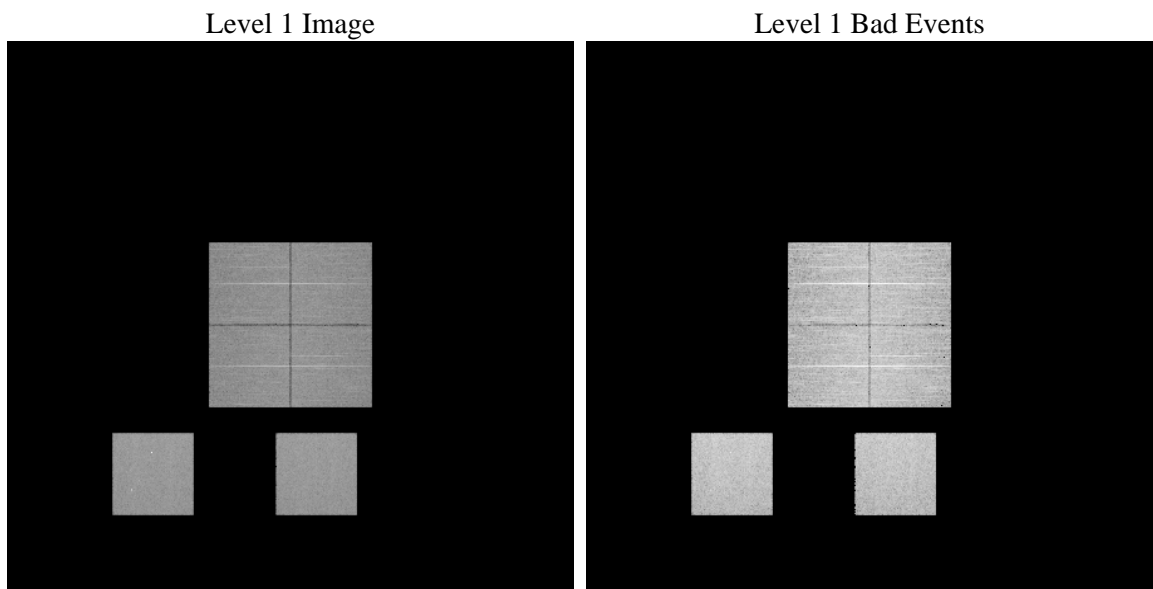
1 Front

seq_num	 	Sequence number
obs_id	56798	Observation id
title	ACIS-012357 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	27.407646232342	Nominal RA [deg]
dec_nom	-22.772135090905	Nominal Dec [deg]
roll_nom	43.001154468652	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6947.1999741793	Sum of GTIs [s]
livetime	6859.2303450046	Livetime [s]
ontime0	6830.522761941	Sum of GTIs [s]
ontime1	6840.2470511794	Sum of GTIs [s]
ontime2	6840.2470909953	Sum of GTIs [s]
ontime3	6837.0060608983	Sum of GTIs [s]
ontime5	6947.1999741793	Sum of GTIs [s]
ontime7	6947.1999741793	Sum of GTIs [s]
l2events	408030	Number of level 2 events

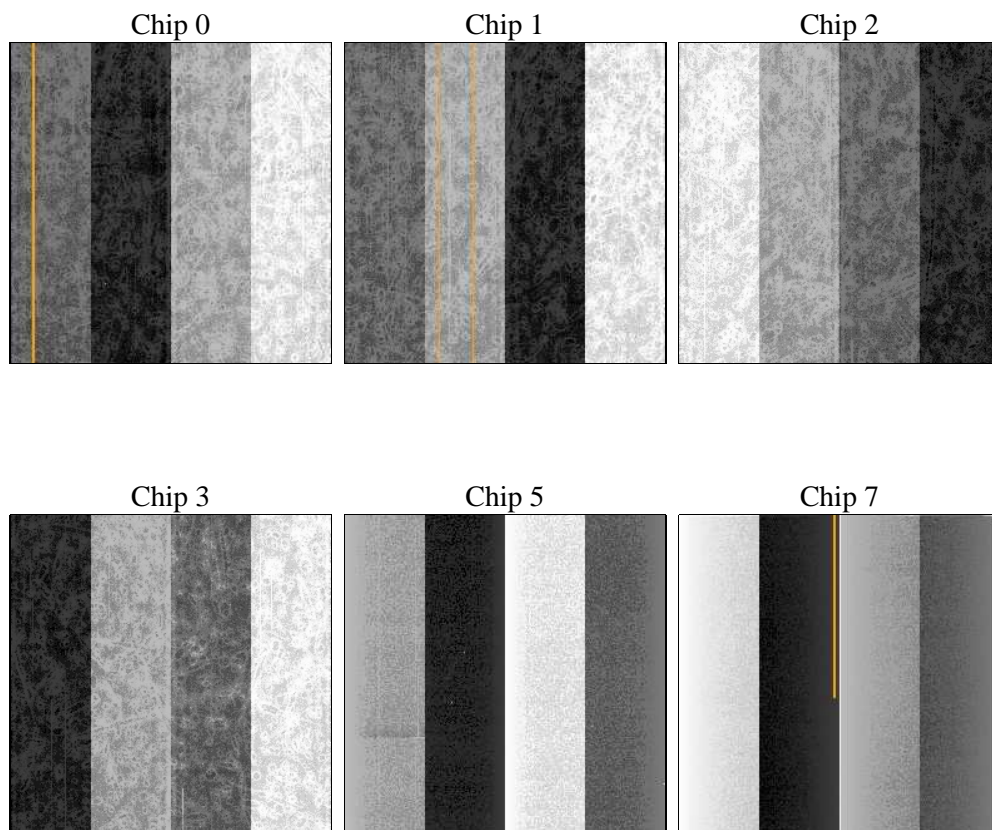
2 OBI

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	6947.1999741793	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	6830.522761941	Sum of GTIs [s]
date	2012-06-14T13:14:00	Date and time of file creation	ontime1	6840.2470511794	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	6840.2470909953	Sum of GTIs [s]
			ontime3	6837.0060608983	Sum of GTIs [s]
			ontime5	6947.1999741793	Sum of GTIs [s]
			ontime7	6947.1999741793	Sum of GTIs [s]
			l1events	829856	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	124471	125785	126189	128686	163234	161491	grade 0 events	33167	32894	34220	34494	12585	17892
rejected events	64477	65383	66002	68065	68644	67181		26%	26%	27%	26%	7%	11%
rejected %	51%	51%	52%	52%	42%	41%	grade 1 events	252	223	280	282	200	116
								0%	0%	0%	0%	0%	0%
							grade 2 events	11394	11859	10772	10863	34806	21425
								9%	9%	8%	8%	21%	13%
							grade 3 events	4273	4173	4253	4415	4893	8941
								3%	3%	3%	3%	2%	5%
							grade 4 events	4325	4293	4388	4362	5420	9039
								3%	3%	3%	3%	3%	5%
							grade 5 events	3527	3634	3321	3904	8621	10313
								2%	2%	2%	3%	5%	6%
							grade 6 events	9409	9815	9200	9062	40854	41025
								7%	7%	7%	7%	25%	25%
							grade 7 events	58124	58894	59755	61304	55855	52740
								46%	46%	47%	47%	34%	32%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	27.40764623234231	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-22.77213509090501	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	43.00115446865233	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119			
[mm] SIM defocus	0.8505140384245534	0.8505140384245534			
[mm] SIM translation stage pos	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	370606710.141608	370606710.141608			
Observation start date	2009-09-29T10:18:30	2009-09-29T10:18:30			
[s] Observation end time (MET)	370615497.567349	370615497.567349			
Observation end date	2009-09-29T12:44:58	2009-09-29T12:44:57			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.9471999741793

A.2 Comments