

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58205 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : May 1 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

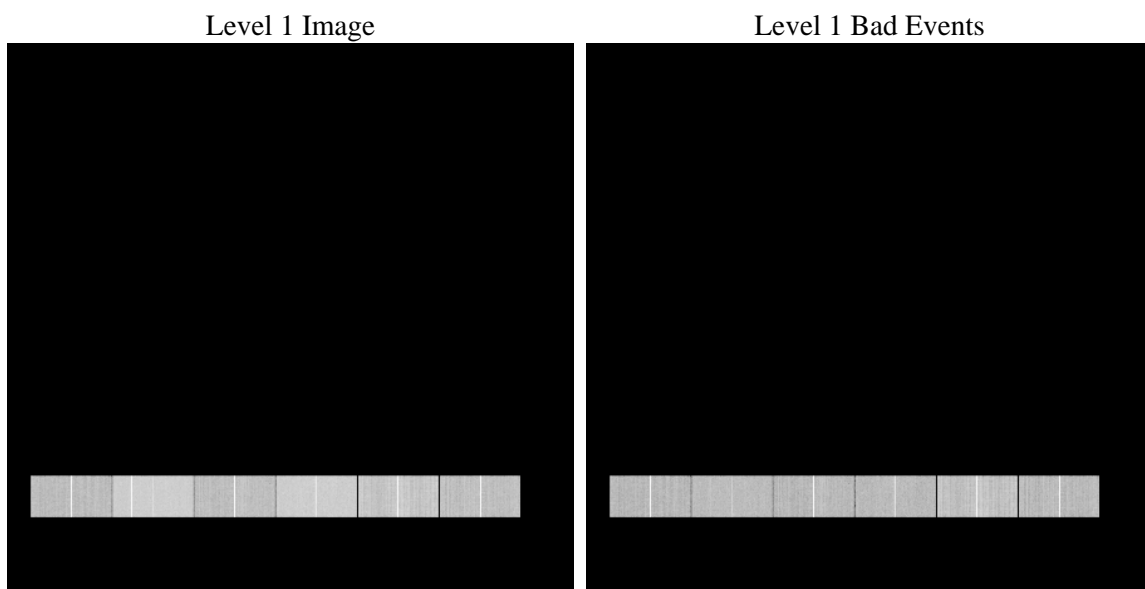
1 Front

seq_num	 	Sequence number
obs_id	58205	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	11.968698959423	Nominal RA [deg]
dec_nom	23.000481743775	Nominal Dec [deg]
roll_nom	146.15486719666	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7658.75	Sum of GTIs [s]
livetime	7628.8330078125	Livetime [s]
ontime4	3767.0568361878	Sum of GTIs [s]
ontime5	7658.75	Sum of GTIs [s]
ontime6	4194.6724398732	Sum of GTIs [s]
ontime7	7658.75	Sum of GTIs [s]
ontime8	4174.2427705526	Sum of GTIs [s]
ontime9	4220.862541616	Sum of GTIs [s]
l2events	374534	Number of level 2 events

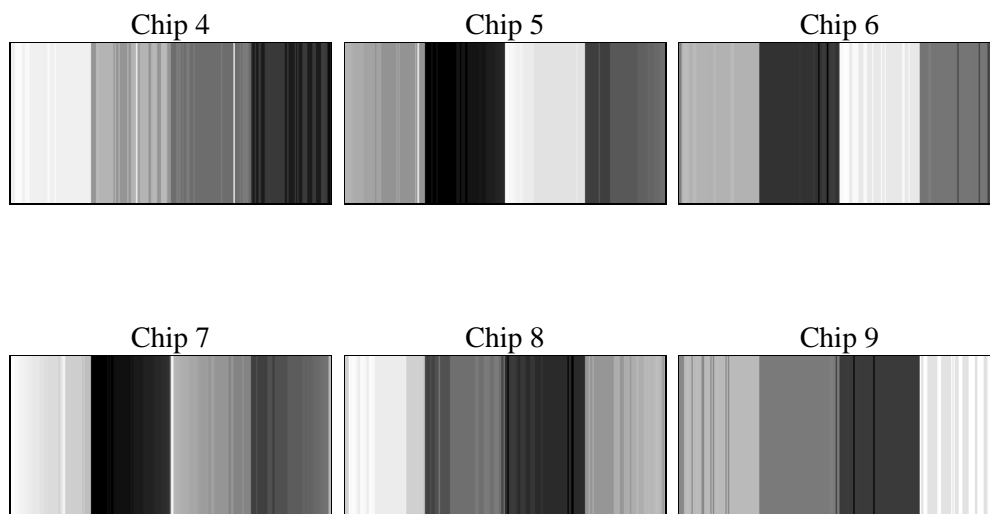
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6420	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7658.75	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	3767.0568361878	Sum of GTIs [s]
date	2012-05-01T07:29:35	Date and time of file creation	ontime5	7658.75	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4194.6724398732	Sum of GTIs [s]
			ontime7	7658.75	Sum of GTIs [s]
			ontime8	4174.2427705526	Sum of GTIs [s]
			ontime9	4220.862541616	Sum of GTIs [s]
			l1events	1368770	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	171430	299338	184540	284522	238615	190325	grade 0 events	5729	24012	5711	23760	10403	6398
rejected events	146198	147924	152607	143525	201516	158571		3%	8%	3%	8%	4%	3%
rejected %	85%	49%	82%	50%	84%	83%	grade 1 events	74	139	61	185	112	55
								0%	0%	0%	0%	0%	0%
							grade 2 events	31015	65454	36698	43092	36973	34984
								18%	21%	19%	15%	15%	18%
							grade 3 events	1451	3533	1496	10473	2753	1489
								0%	1%	0%	3%	1%	0%
							grade 4 events	1468	3545	1441	10388	2704	1553
								0%	1%	0%	3%	1%	0%
							grade 5 events	2039	9382	2325	11069	3026	2490
								1%	3%	1%	3%	1%	1%
							grade 6 events	9612	60068	12572	58064	14815	12092
								5%	20%	6%	20%	6%	6%
							grade 7 events	120042	133205	124236	127491	167829	131264
								70%	44%	67%	44%	70%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	11.96869930726926	11.96869895942307	Subarray requested	NONE	NONE
[deg] Pointing Dec	23.00048190183325	23.00048174377541	Alternating exposures requested	N	N
[deg] Pointing Roll	146.1548671422362	146.1548671966571	[s] Primary exposure time	0	0
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673			
[mm] SIM defocus	0.7524282194390134	0.7524282194390134			
[mm] SIM translation stage pos	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	306587733.333554	306587733.333554			
Observation start date	2007-09-19T11:52:00	2007-09-19T11:15:33			
[s] Observation end time (MET)	306597253.583982	306597253.583982			
Observation end date	2007-09-19T13:39:00	2007-09-19T13:54:13			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.65875

A.2 Comments