

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51686 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 17 2015

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

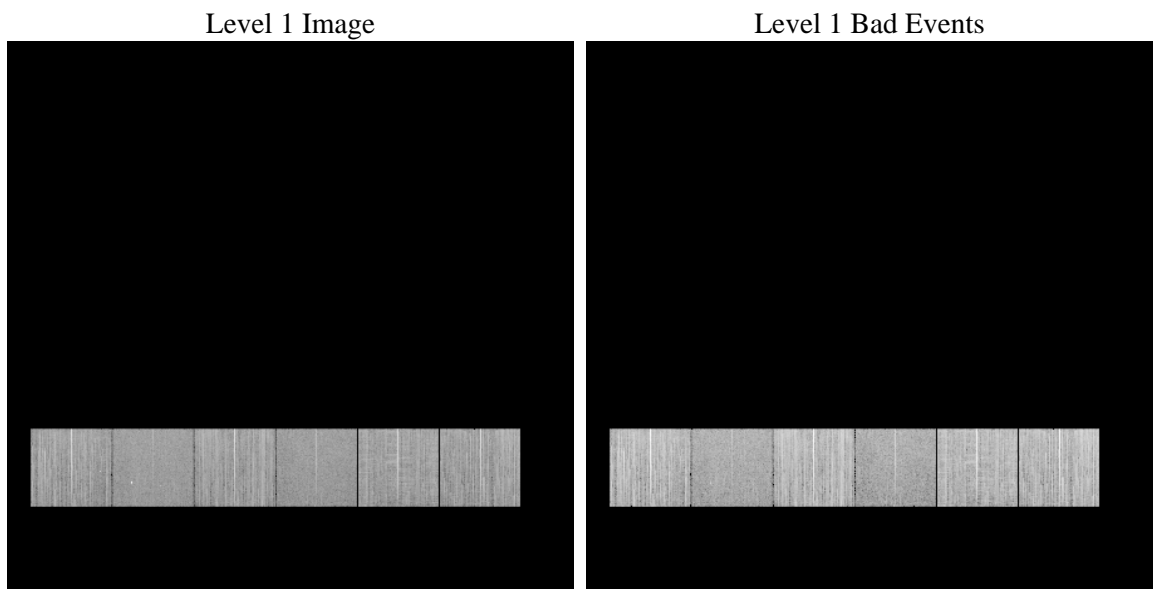
1 Front

seq_num	 	Sequence number
obs_id	51686	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	309.86683122984	Nominal RA [deg]
dec_nom	-33.71211495657	Nominal Dec [deg]
roll_nom	320.79815580654	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8187.8484356403	Sum of GTIs [s]
livetime	8084.1689686178	Livetime [s]
ontime4	8077.5297838449	Sum of GTIs [s]
ontime5	8187.8073955774	Sum of GTIs [s]
ontime6	8087.2923698425	Sum of GTIs [s]
ontime7	8187.8484356403	Sum of GTIs [s]
ontime8	8100.1745306253	Sum of GTIs [s]
ontime9	8090.6565701962	Sum of GTIs [s]
l2events	170947	Number of level 2 events

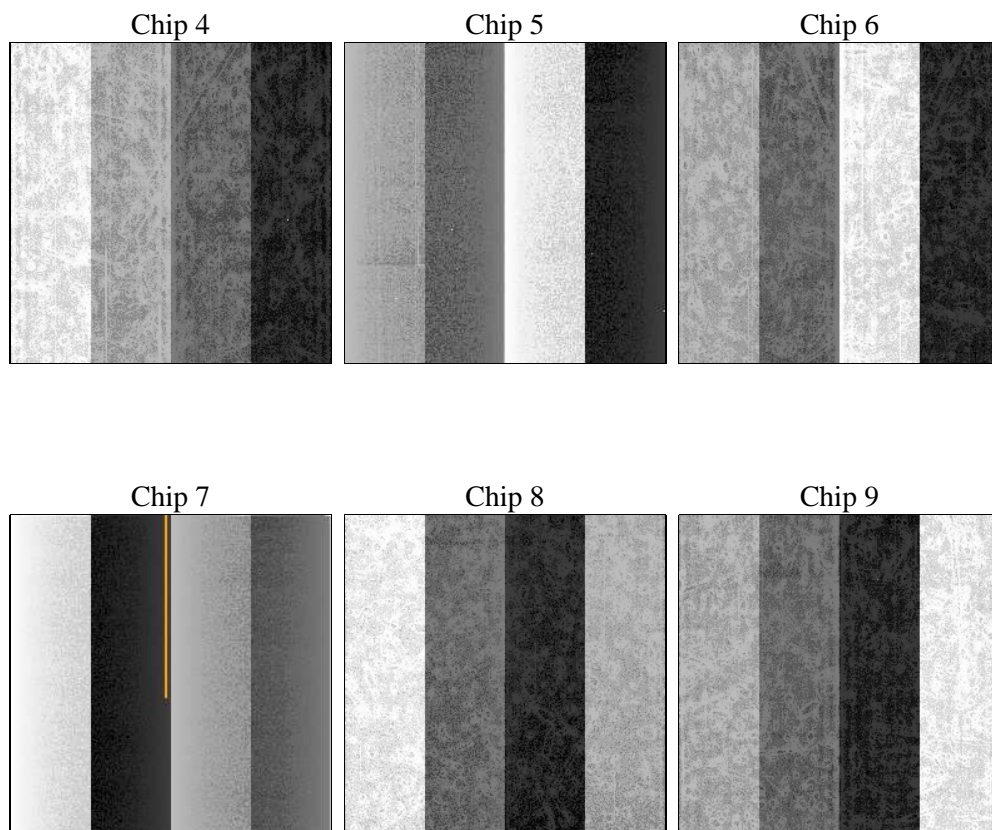
2 OBI

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	10.4.1	Processing system revision	ontime	8187.8484356403	Sum of GTIs [s]
caldbver	4.6.8	 	ontime4	8077.5297838449	Sum of GTIs [s]
date	2015-08-17T07:25:30	Date and time of file creation	ontime5	8187.8073955774	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8087.2923698425	Sum of GTIs [s]
			ontime7	8187.8484356403	Sum of GTIs [s]
			ontime8	8100.1745306253	Sum of GTIs [s]
			ontime9	8090.6565701962	Sum of GTIs [s]
			l1events	843005	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	146752	124450	151059	116002	150075	154667	grade 0 events	10901	3811	9349	5261	12432	9999
rejected events	125828	73696	129703	70061	120127	133497		7%	3%	6%	4%	8%	6%
rejected %	85%	59%	85%	60%	80%	86%	grade 1 events	99	142	51	78	81	67
								0%	0%	0%	0%	0%	0%
							grade 2 events	4171	18373	5378	11606	6851	4600
								2%	14%	3%	10%	4%	2%
							grade 3 events	1538	1455	1325	3399	2304	1440
								1%	1%	0%	2%	1%	0%
							grade 4 events	1548	1433	1282	3224	2254	1432
								1%	1%	0%	2%	1%	0%
							grade 5 events	3030	5411	2795	7011	3880	3292
								2%	4%	1%	6%	2%	2%
							grade 6 events	2952	26078	4181	22802	6482	3881
								2%	20%	2%	19%	4%	2%
							grade 7 events	122513	67747	126698	62621	115791	129956
								83%	54%	83%	53%	77%	84%

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	NONE	UPDATED
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	309.8668312298354	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-33.71211495656996	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	320.7981558065416	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	556147054.493191	556147053.46819			
Observation start date	2015-08-16T21:17:34	2015-08-16T21:17:33			
[s] Observation end time (MET)	556157054.393756	556157053.36876			
Observation end date	2015-08-17T00:04:14	2015-08-17T00:04:13			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1878484356403

A.2 Comments