

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51138 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 31 2016

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

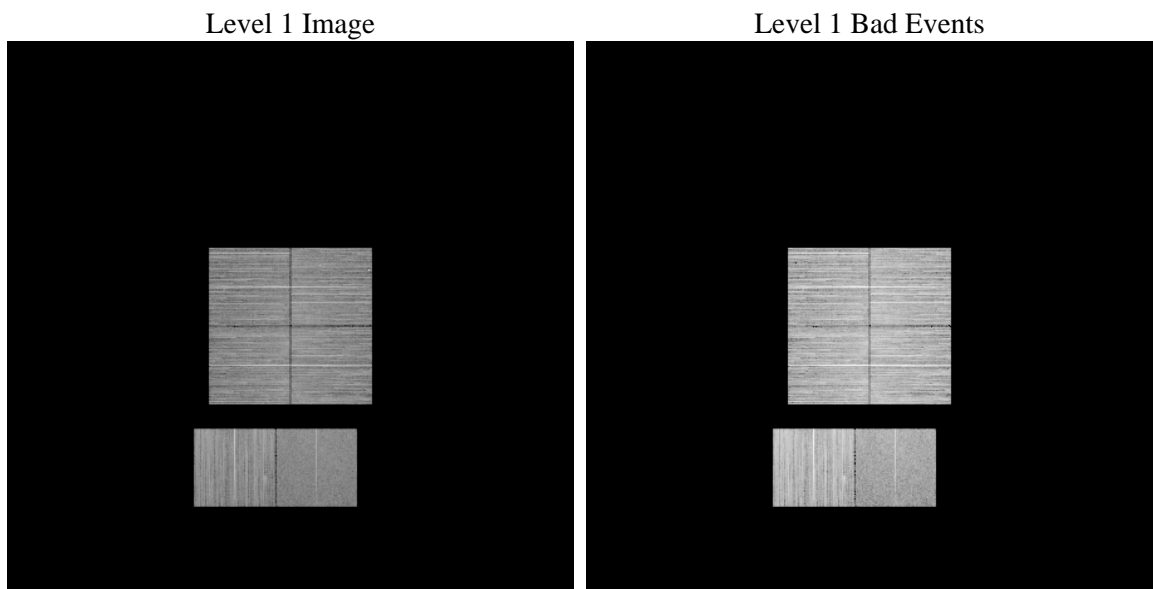
1 Front

seq_num	 	Sequence number
obs_id	51138	Observation id
title	ACIS-012367 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	188.02911053236	Nominal RA [deg]
dec_nom	-28.986301855295	Nominal Dec [deg]
roll_nom	355.43018774802	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7687.3839571476	Sum of GTIs [s]
livetime	7590.0416726953	Livetime [s]
ontime0	7557.7423571348	Sum of GTIs [s]
ontime1	7548.0192170143	Sum of GTIs [s]
ontime2	7551.2569407225	Sum of GTIs [s]
ontime3	7541.5338207483	Sum of GTIs [s]
ontime6	7535.0548751354	Sum of GTIs [s]
ontime7	7687.3839571476	Sum of GTIs [s]
l2events	152078	Number of level 2 events

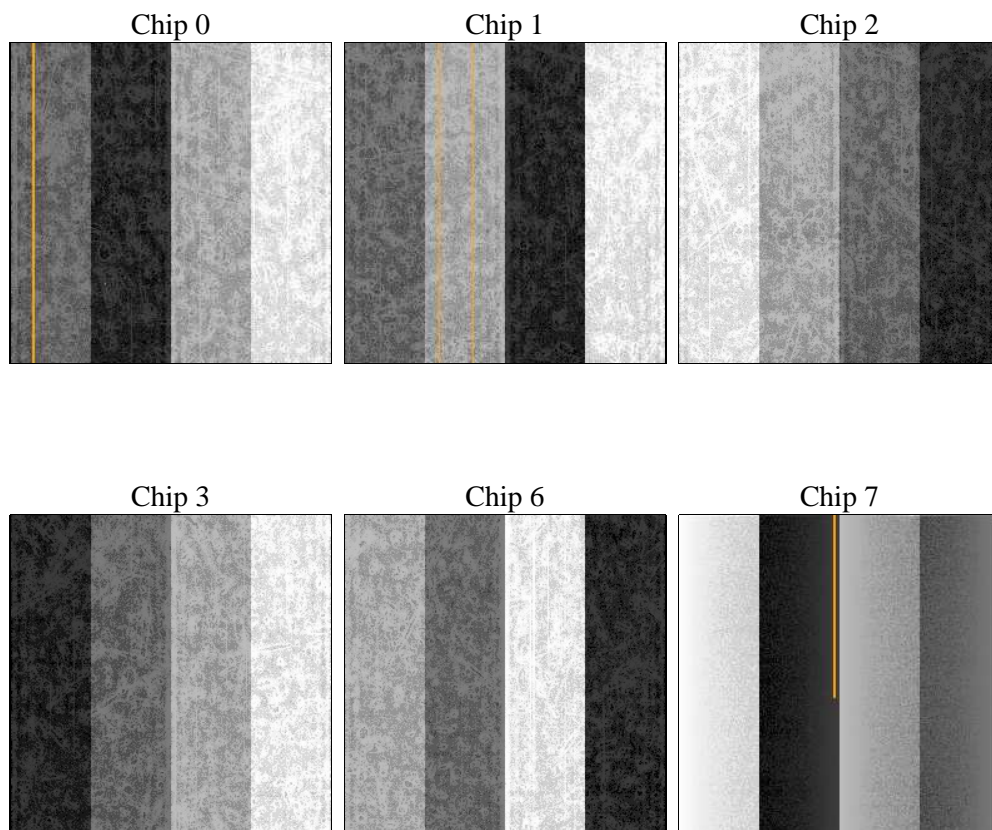
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	7687.3839571476	Sum of GTIs [s]
caldsver	4.7.1	 	ontime0	7557.7423571348	Sum of GTIs [s]
date	2016-03-31T18:47:53	Date and time of file creation	ontime1	7548.0192170143	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7551.2569407225	Sum of GTIs [s]
			ontime3	7541.5338207483	Sum of GTIs [s]
			ontime6	7535.0548751354	Sum of GTIs [s]
			ontime7	7687.3839571476	Sum of GTIs [s]
			l1events	946223	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	149934	167781	160042	168944	171680	127842	grade 0 events	9944	11794	10479	10606	10127	5991
rejected events	128159	142914	138146	146612	148349	77061		6%	7%	6%	6%	5%	4%
rejected %	85%	85%	86%	86%	86%	60%	grade 1 events	63	75	80	76	47	104
								0%	0%	0%	0%	0%	0%
							grade 2 events	5043	5805	4599	4797	5722	12919
								3%	3%	2%	2%	3%	10%
							grade 3 events	1520	1410	1553	1602	1469	3497
								1%	0%	0%	0%	0%	2%
							grade 4 events	1416	1462	1516	1553	1399	3509
								0%	0%	0%	0%	0%	2%
							grade 5 events	2975	2921	2939	3359	3035	7753
								1%	1%	1%	1%	1%	6%
							grade 6 events	3989	4580	3884	3928	4778	25199
								2%	2%	2%	2%	2%	19%
							grade 7 events	124984	139734	134992	143023	145103	68870
								83%	83%	84%	84%	84%	53%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	188.0291105323552	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-28.98630185529521	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	355.4301877480175	[s] Primary exposure time	3.2	3.2
[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)	575797977.082085	575797976.05708			
Observation start date	2016-03-31T07:52:57	2016-03-31T07:52:56			
[s] Observation end time (MET)	575807646.932636	575807645.90764			
Observation end date	2016-03-31T10:34:07	2016-03-31T10:34:05			
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)	2016.03.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.6873839571476

A.2 Comments