

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52468 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 15 2014

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

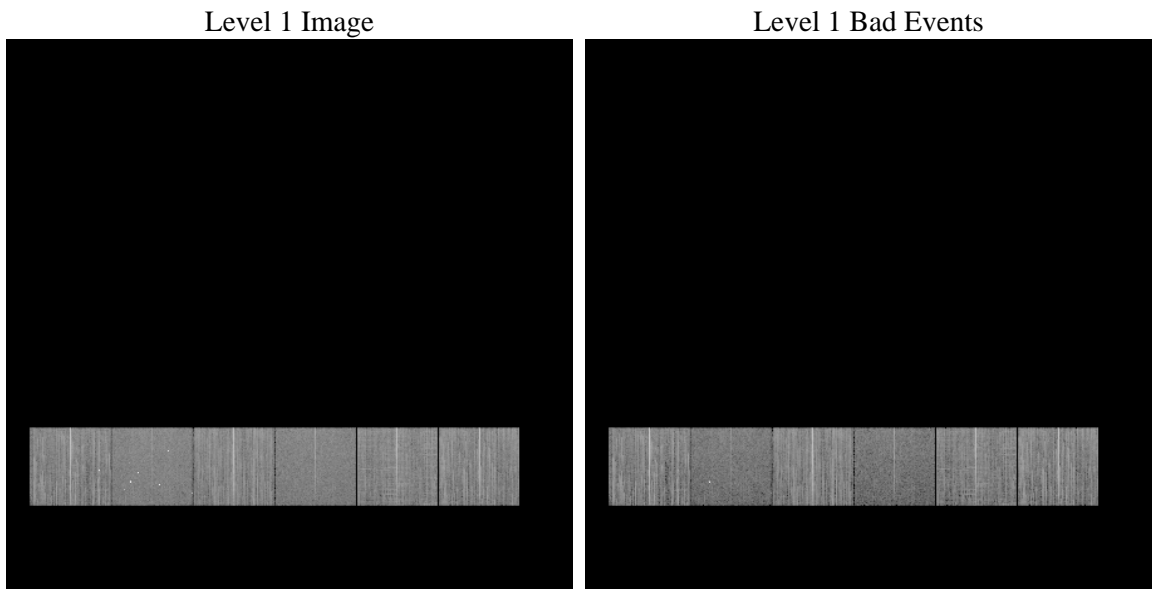
1 Front

seq_num	 	Sequence number
obs_id	52468	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	345.28281212061	Nominal RA [deg]
dec_nom	21.177274950206	Nominal Dec [deg]
roll_nom	197.03347880126	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8380.7999688387	Sum of GTIs [s]
livetime	8274.6772333214	Livetime [s]
ontime4	8380.7999688387	Sum of GTIs [s]
ontime5	8380.7999688387	Sum of GTIs [s]
ontime6	8380.7999688387	Sum of GTIs [s]
ontime7	8380.7999688387	Sum of GTIs [s]
ontime8	8380.7999688387	Sum of GTIs [s]
ontime9	8380.7999688387	Sum of GTIs [s]
l2events	188836	Number of level 2 events

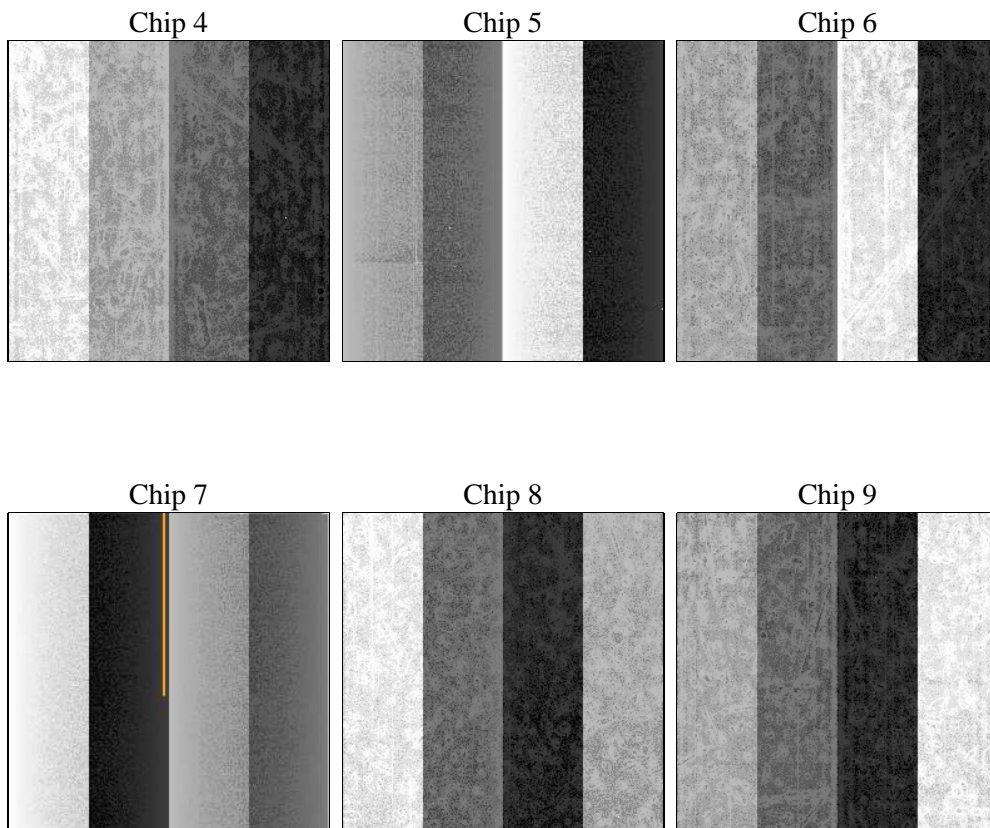
2 OBI

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	10.2.4	Processing system revision	ontime	8380.7999688387	Sum of GTIs [s]
caldsver	4.6.3	 	ontime4	8380.7999688387	Sum of GTIs [s]
date	2014-09-15T07:54:41	Date and time of file creation	ontime5	8380.7999688387	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8380.7999688387	Sum of GTIs [s]
			ontime7	8380.7999688387	Sum of GTIs [s]
			ontime8	8380.7999688387	Sum of GTIs [s]
			ontime9	8380.7999688387	Sum of GTIs [s]
			l1events	823213	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	146300	128440	148284	112663	141506	146020	grade 0 events	15012	10440	12039	6277	14731	12285
rejected events	119706	71039	122584	64764	107986	121170		10%	8%	8%	5%	10%	8%
rejected %	81%	55%	82%	57%	76%	82%	grade 1 events	100	138	56	84	83	69
								0%	0%	0%	0%	0%	0%
							grade 2 events	4782	19582	6021	12129	7304	5123
								3%	15%	4%	10%	5%	3%
							grade 3 events	1895	1560	1697	3600	2598	1683
								1%	1%	1%	3%	1%	1%
							grade 4 events	1811	1555	1661	3664	2498	1666
								1%	1%	1%	3%	1%	1%
							grade 5 events	2976	5259	2845	6544	3626	3235
								2%	4%	1%	5%	2%	2%
							grade 6 events	3356	24851	4545	22743	6729	4342
								2%	19%	3%	20%	4%	2%
							grade 7 events	116368	65055	119420	57622	103937	117617
								79%	50%	80%	51%	73%	80%

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	345.2828121206085	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	21.17727495020567	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	197.0334788012636	[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)	527121668.670023	527121667.64502			
Observation start date	2014-09-14T22:41:09	2014-09-14T22:41:07			
[s] Observation end time (MET)	527133566.870684	527133565.84568			
Observation end date	2014-09-15T01:59:27	2014-09-15T01:59:25			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.09.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3807999688387

A.2 Comments