

V&V Reference Report

L2 ASCDS Version : 10

Observation 53383 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 20 2013

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

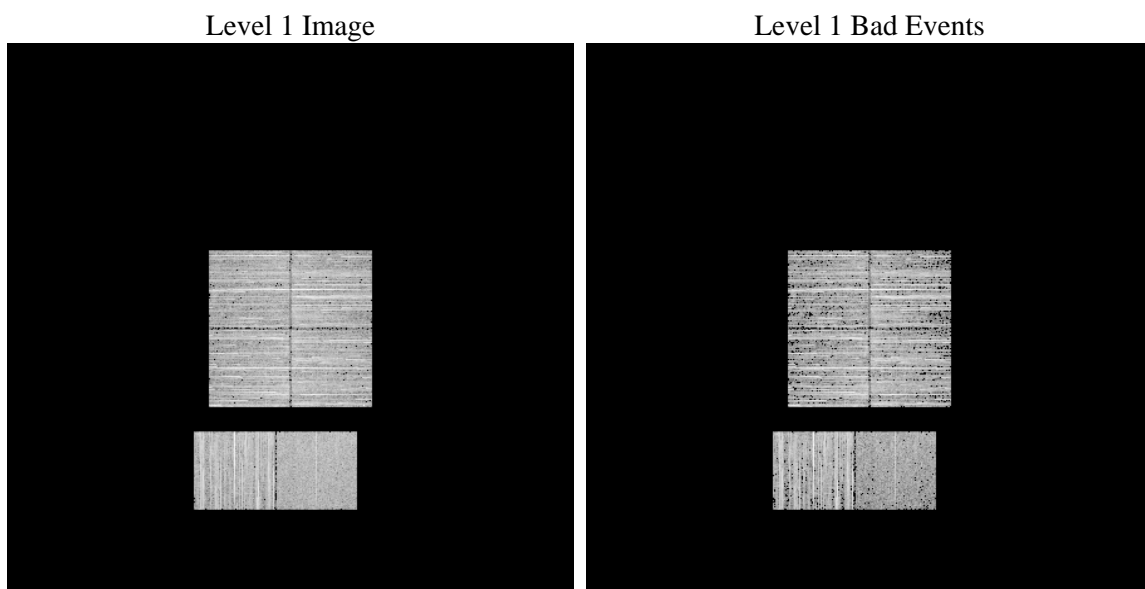
1 Front

seq_num	 	Sequence number
obs_id	53383	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	334.78490112	Nominal RA [deg]
dec_nom	-11.946414675457	Nominal Dec [deg]
roll_nom	294.06599462502	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3292.799987793	Sum of GTIs [s]
livetime	3251.1045716614	Livetime [s]
ontime0	3195.5686333179	Sum of GTIs [s]
ontime1	3198.809827745	Sum of GTIs [s]
ontime2	3198.8096733689	Sum of GTIs [s]
ontime3	3189.0865533352	Sum of GTIs [s]
ontime6	3192.3275933266	Sum of GTIs [s]
ontime7	3292.799987793	Sum of GTIs [s]
l2events	75514	Number of level 2 events

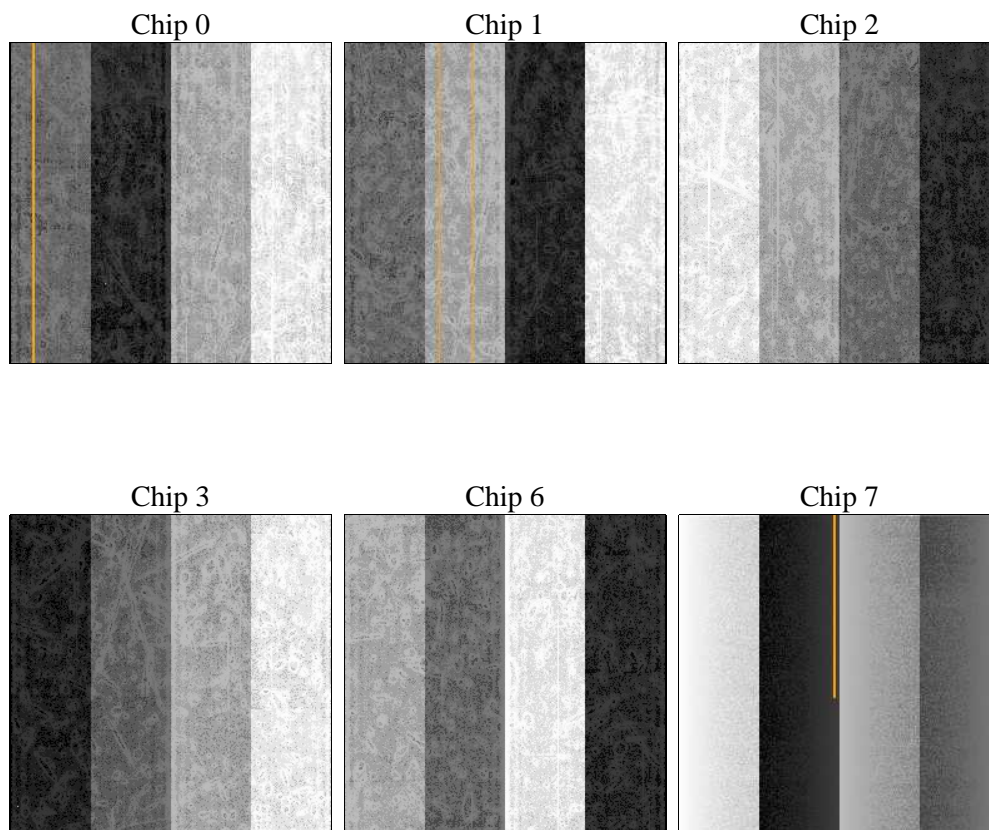
2 OBI

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	Processing system revision	ontime	3292.799987793	Sum of GTIs [s]
caldbver	4.5.8	 	ontime0	3195.5686333179	Sum of GTIs [s]
date	2013-09-20T14:56:26	Date and time of file creation	ontime1	3198.809827745	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3198.8096733689	Sum of GTIs [s]
			ontime3	3189.0865533352	Sum of GTIs [s]
			ontime6	3192.3275933266	Sum of GTIs [s]
			ontime7	3292.799987793	Sum of GTIs [s]
			l1events	326111	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	48905	55623	57673	55179	61394	47337	grade 0 events	5787	5684	5993	6189	6367	3105
rejected events	37493	43995	46150	43410	48970	25438		11%	10%	10%	11%	10%	6%
rejected %	76%	79%	80%	78%	79%	53%	grade 1 events	39	30	32	43	31	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	2269	2417	2210	2162	2373	5307
								4%	4%	3%	3%	3%	11%
							grade 3 events	788	773	792	785	794	1867
								1%	1%	1%	1%	1%	3%
							grade 4 events	793	824	836	792	832	1775
								1%	1%	1%	1%	1%	3%
							grade 5 events	1039	1072	979	1197	1092	2905
								2%	1%	1%	2%	1%	6%
							grade 6 events	1788	1940	1706	1853	2068	9865
								3%	3%	2%	3%	3%	20%
							grade 7 events	36402	42883	45125	42158	47837	22486
								74%	77%	78%	76%	77%	47%

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	334.7849011200038	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-11.94641467545733	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	294.0659946250208	[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)	496039909.307459	496039908.28246			
Observation start date	2013-09-20T04:51:49	2013-09-20T04:51:48			
[s] Observation end time (MET)	496048041.657903	496048040.6329			
Observation end date	2013-09-20T07:07:22	2013-09-20T07:07:20			
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)	2013.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.292799987793

A.2 Comments