

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53106 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 6 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

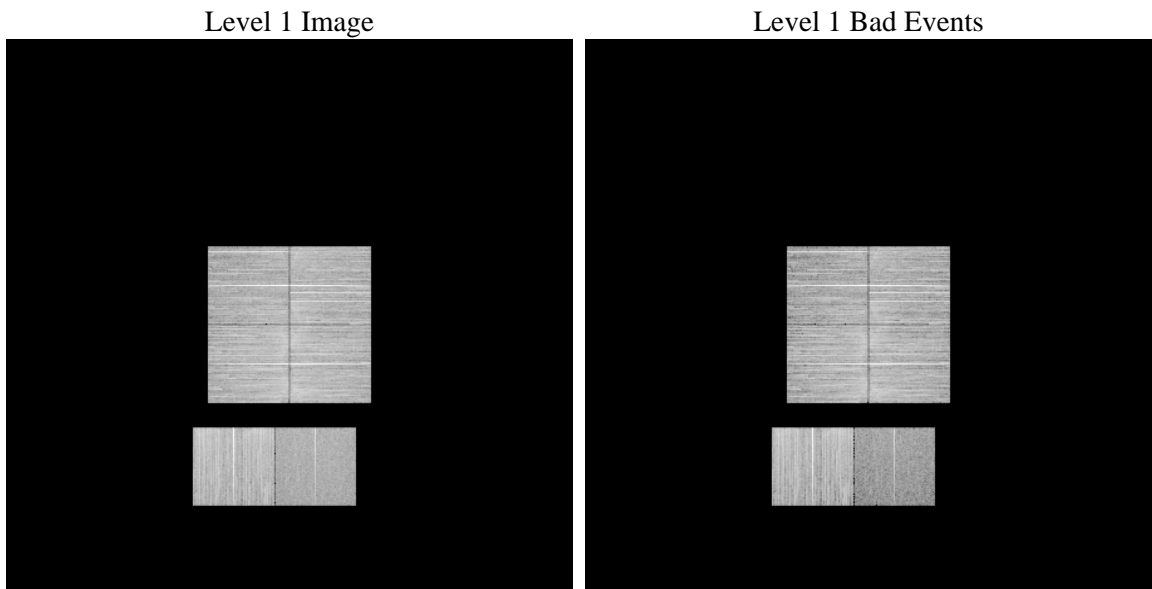
1 Front

seq_num	 	Sequence number
obs_id	53106	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	133.89662411093	Nominal RA [deg]
dec_nom	19.563677896928	Nominal Dec [deg]
roll_nom	78.57999757164	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6412.7999761701	Sum of GTIs [s]
livetime	6331.5972415472	Livetime [s]
ontime0	6412.7999761701	Sum of GTIs [s]
ontime1	6412.7999761701	Sum of GTIs [s]
ontime2	6412.7999761701	Sum of GTIs [s]
ontime3	6412.7999761701	Sum of GTIs [s]
ontime6	6412.7735775113	Sum of GTIs [s]
ontime7	6412.7999761701	Sum of GTIs [s]
l2events	158044	Number of level 2 events

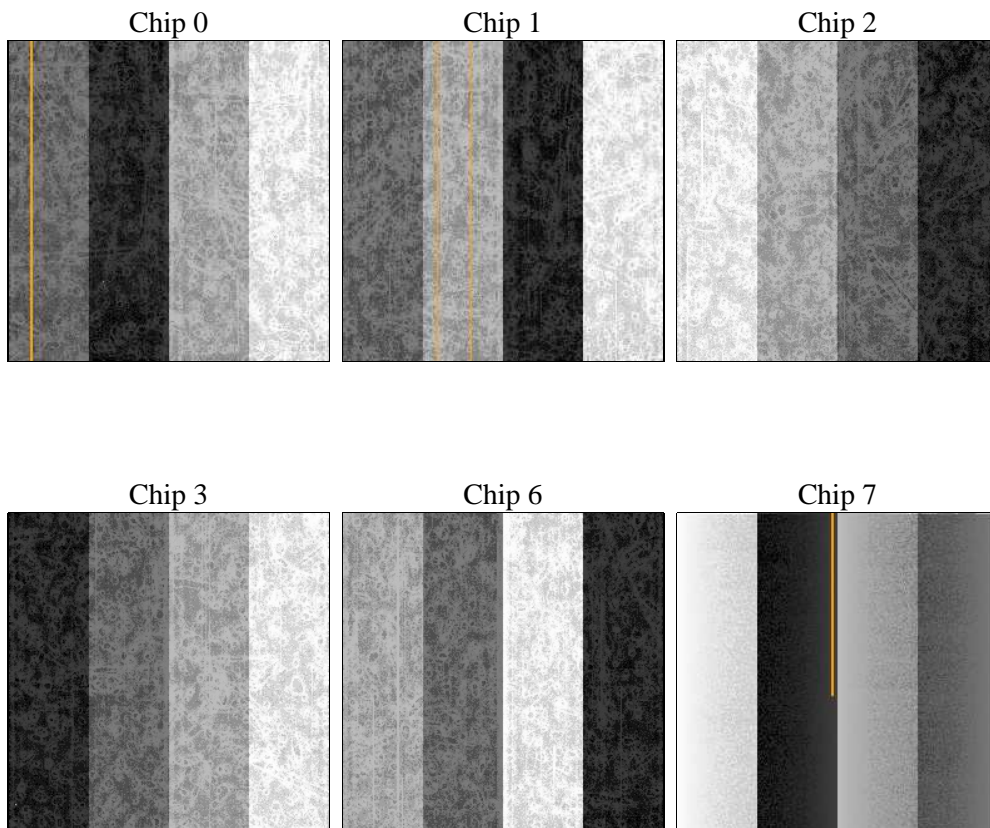
2 OBI

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	10.1.1	Processing system revision	ontime	6412.7999761701	Sum of GTIs [s]
caldsver	4.6.0	 	ontime0	6412.7999761701	Sum of GTIs [s]
date	2014-01-07T00:02:27	Date and time of file creation	ontime1	6412.7999761701	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6412.7999761701	Sum of GTIs [s]
			ontime3	6412.7999761701	Sum of GTIs [s]
			ontime6	6412.7735775113	Sum of GTIs [s]
			ontime7	6412.7999761701	Sum of GTIs [s]
			l1events	967222	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	144560	168450	179098	178152	187606	109356	grade 0 events	11248	10135	11949	12027	10042	5796
rejected events	120431	144209	154984	153889	162759	62244		7%	6%	6%	6%	5%	5%
rejected %	83%	85%	86%	86%	86%	56%	grade 1 events	73	58	85	72	50	105
								0%	0%	0%	0%	0%	0%
							grade 2 events	5808	6982	5348	5300	7627	12187
								4%	4%	2%	2%	4%	11%
							grade 3 events	1547	1396	1613	1596	1379	3481
								1%	0%	0%	0%	0%	3%
							grade 4 events	1500	1437	1577	1678	1229	3379
								1%	0%	0%	0%	0%	3%
							grade 5 events	2010	1969	1965	2330	2075	5417
								1%	1%	1%	1%	1%	4%
							grade 6 events	4026	4291	3627	3662	4570	22269
								2%	2%	2%	2%	2%	20%
							grade 7 events	118348	142182	152934	151487	160634	56722
								81%	84%	85%	85%	85%	51%

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	133.8966241109252	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	19.56367789692756	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	78.57999757163952	[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	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	505413323.671018	505413322.64602			
Observation start date	2014-01-06T16:35:24	2014-01-06T16:35:22			
[s] Observation end time (MET)	505421646.671475	505421645.64648			
Observation end date	2014-01-06T18:54:07	2014-01-06T18:54:05			
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)	2014.01.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.4127999761701

A.2 Comments