

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54206 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 30 2012

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

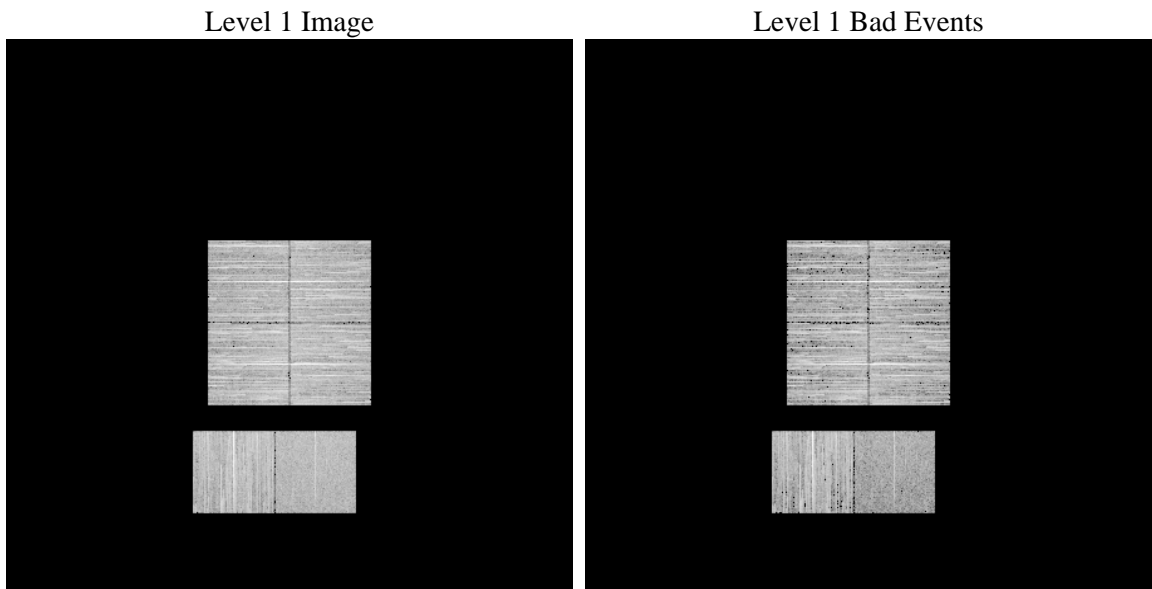
1 Front

seq_num	 	Sequence number
obs_id	54206	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	14.026718583372	Nominal RA [deg]
dec_nom	-0.010819373528841	Nominal Dec [deg]
roll_nom	305.19935895645	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4508.799983263	Sum of GTIs [s]
livetime	4451.7068430015	Livetime [s]
ontime0	4398.6046427488	Sum of GTIs [s]
ontime1	4388.8815521002	Sum of GTIs [s]
ontime2	4395.3635929227	Sum of GTIs [s]
ontime3	4395.3635929227	Sum of GTIs [s]
ontime6	4392.1225432754	Sum of GTIs [s]
ontime7	4508.799983263	Sum of GTIs [s]
l2events	125462	Number of level 2 events

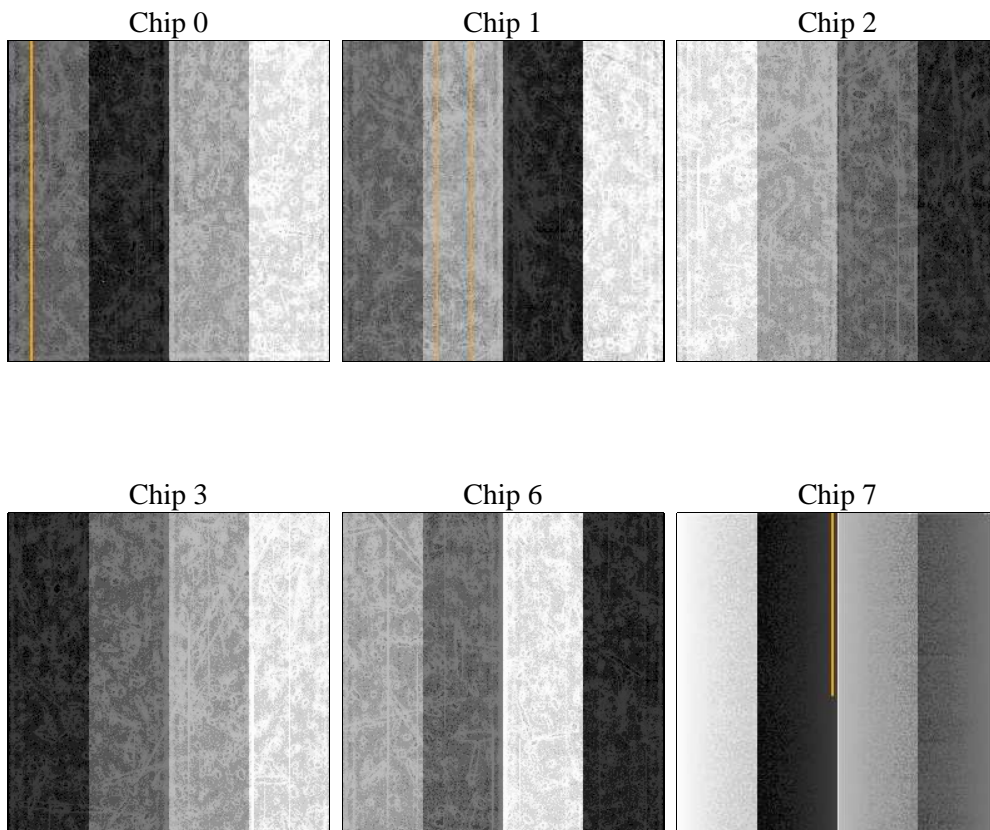
2 OBI

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	8.4.5	Processing system revision	ontime	4508.799983263	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	4398.6046427488	Sum of GTIs [s]
date	2012-10-30T17:08:39	Date and time of file creation	ontime1	4388.8815521002	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4395.3635929227	Sum of GTIs [s]
			ontime3	4395.3635929227	Sum of GTIs [s]
			ontime6	4392.1225432754	Sum of GTIs [s]
			ontime7	4508.799983263	Sum of GTIs [s]
			l1events	527832	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	84734	86110	96642	94275	91557	74514
rejected events	65455	66581	77283	74738	71451	39508
rejected %	77%	77%	79%	79%	78%	53%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	9823	9597	10131	10213	9793	5129
	11%	11%	10%	10%	10%	6%
grade 1 events	54	42	62	61	46	47
	0%	0%	0%	0%	0%	0%
grade 2 events	3898	4211	3708	3739	4327	8604
	4%	4%	3%	3%	4%	11%
grade 3 events	1323	1302	1292	1328	1270	2797
	1%	1%	1%	1%	1%	3%
grade 4 events	1233	1230	1328	1369	1262	2788
	1%	1%	1%	1%	1%	3%
grade 5 events	1635	1570	1503	1699	1625	4220
	1%	1%	1%	1%	1%	5%
grade 6 events	3002	3189	2900	2888	3454	15688
	3%	3%	3%	3%	3%	21%
grade 7 events	63766	64969	75718	72978	69780	35241
	75%	75%	78%	77%	76%	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	14.02671858337226	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-0.01081937352884071	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	305.1993589564469	[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)	467935691.085529	467935690.06053			
Observation start date	2012-10-29T22:08:11	2012-10-29T22:08:10			
[s] Observation end time (MET)	467941912.835863	467941911.81086			
Observation end date	2012-10-29T23:51:53	2012-10-29T23:51:51			
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)	2012.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.508799983263

A.2 Comments