

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52793 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 5 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

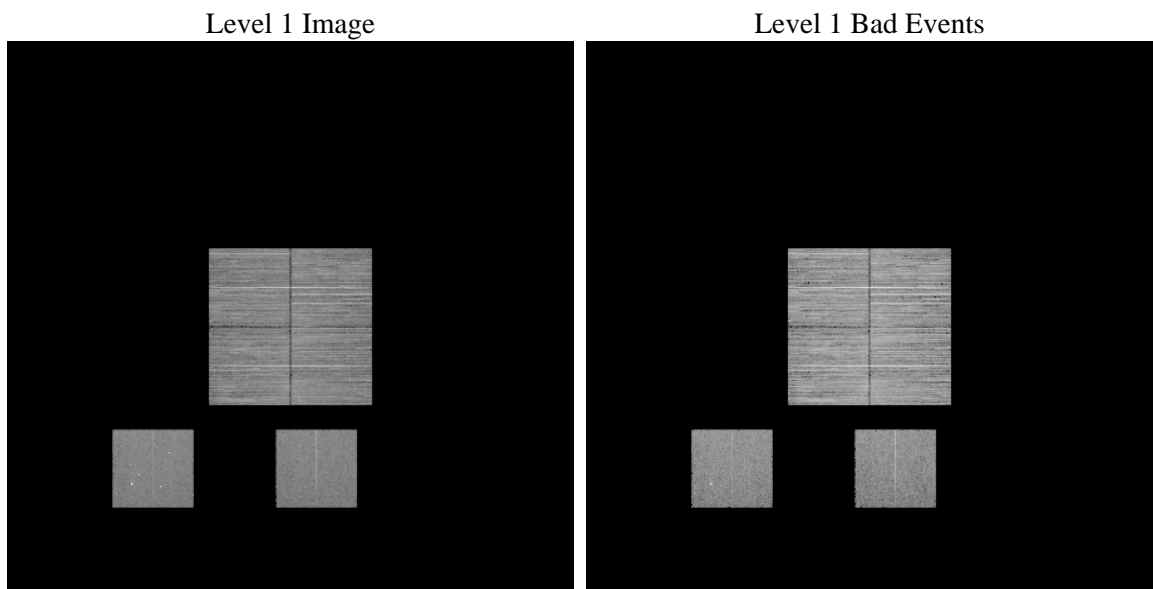
1 Front

seq_num	 	Sequence number
obs_id	52793	Observation id
title	ACIS-012357 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	241.20188598521	Nominal RA [deg]
dec_nom	-36.972555418403	Nominal Dec [deg]
roll_nom	44.370376144656	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8259.1999692917	Sum of GTIs [s]
livetime	8154.6170061874	Livetime [s]
ontime0	8259.1999692917	Sum of GTIs [s]
ontime1	8259.1999692917	Sum of GTIs [s]
ontime2	8259.1999692917	Sum of GTIs [s]
ontime3	8259.1999692917	Sum of GTIs [s]
ontime5	8259.1999692917	Sum of GTIs [s]
ontime7	8259.1999692917	Sum of GTIs [s]
l2events	197374	Number of level 2 events

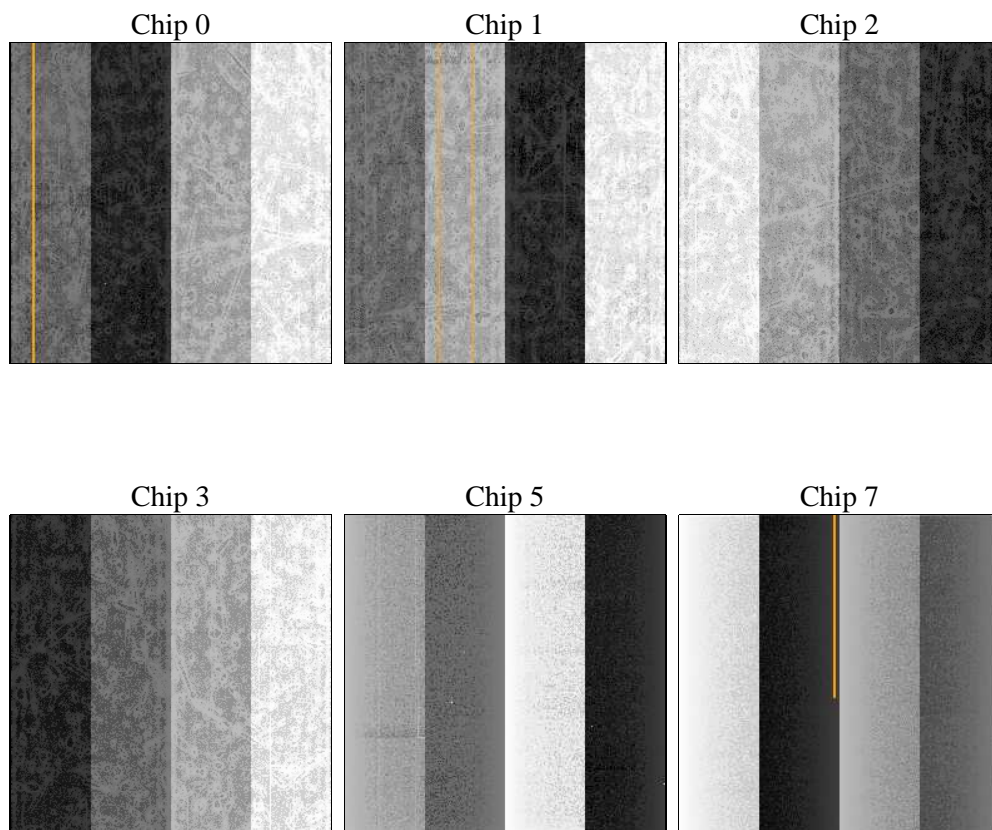
2 OBI

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	10.2.1	Processing system revision	ontime	8259.1999692917	Sum of GTIs [s]
caldsver	4.6.1	 	ontime0	8259.1999692917	Sum of GTIs [s]
date	2014-05-05T17:08:09	Date and time of file creation	ontime1	8259.1999692917	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8259.1999692917	Sum of GTIs [s]
			ontime3	8259.1999692917	Sum of GTIs [s]
			ontime5	8259.1999692917	Sum of GTIs [s]
			ontime7	8259.1999692917	Sum of GTIs [s]
			l1events	817037	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	141741	146447	143461	143069	126394	115925	grade 0 events	13113	12561	13442	13473	8289	6688
rejected events	115538	119772	117405	116509	68832	66077		9%	8%	9%	9%	6%	5%
rejected %	81%	81%	81%	81%	54%	56%	grade 1 events	72	69	73	52	216	83
								0%	0%	0%	0%	0%	0%
							grade 2 events	5468	6095	5128	5388	21115	12390
								3%	4%	3%	3%	16%	10%
							grade 3 events	1782	1701	1855	1857	1723	3916
								1%	1%	1%	1%	1%	3%
							grade 4 events	1702	1766	1793	1893	1605	3805
								1%	1%	1%	1%	1%	3%
							grade 5 events	2690	2624	2580	3009	5337	6873
								1%	1%	1%	2%	4%	5%
							grade 6 events	4200	4638	3927	4031	25045	23202
								2%	3%	2%	2%	19%	20%
							grade 7 events	112714	116993	114663	113366	63064	58968
								79%	79%	79%	79%	49%	50%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	241.2018859852057	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-36.9725554184033	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	44.37037614465579	[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)	515659919.185459	515659918.16046			
Observation start date	2014-05-05T06:51:59	2014-05-05T06:51:58			
[s] Observation end time (MET)	515670017.486017	515670016.46102			
Observation end date	2014-05-05T09:40:17	2014-05-05T09:40:16			
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)	2014.05.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2591999692917

A.2 Comments