

V&V Reference Report

L2 ASCDS Version : 10.1

Observation 53315 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 9 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

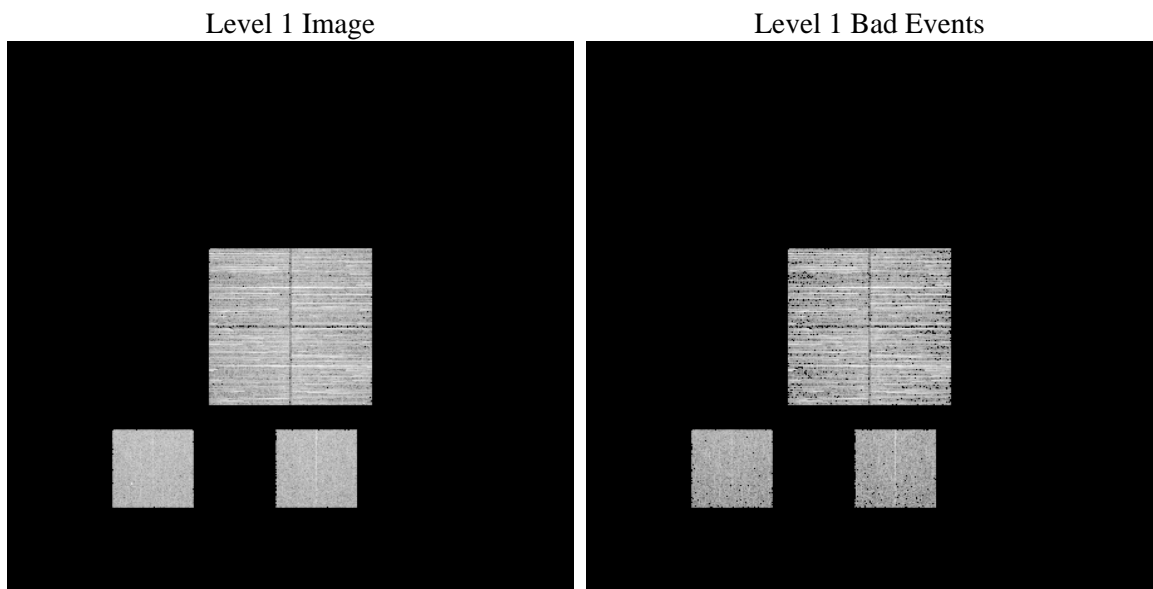
1 Front

seq_num	 	Sequence number
obs_id	53315	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	243.01251014439	Nominal RA [deg]
dec_nom	-19.026183872554	Nominal Dec [deg]
roll_nom	261.47201535311	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3283.1999878287	Sum of GTIs [s]
livetime	3241.6261326772	Livetime [s]
ontime0	3283.1999878287	Sum of GTIs [s]
ontime1	3283.1999878287	Sum of GTIs [s]
ontime2	3283.1999878287	Sum of GTIs [s]
ontime3	3283.1999878287	Sum of GTIs [s]
ontime5	3283.1999878287	Sum of GTIs [s]
ontime7	3283.1999878287	Sum of GTIs [s]
l2events	88615	Number of level 2 events

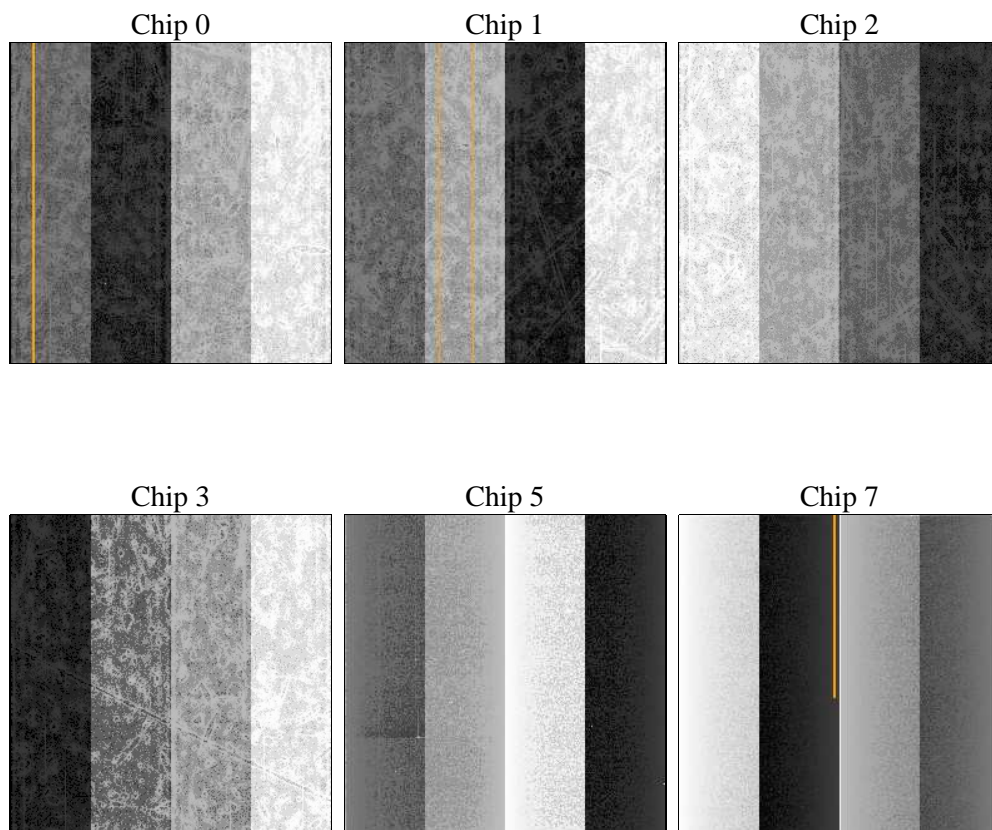
2 OBI

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	Processing system revision	ontime	3283.1999878287	Sum of GTIs [s]
caldbver	4.5.8	 	ontime0	3283.1999878287	Sum of GTIs [s]
date	2013-10-10T00:26:37	Date and time of file creation	ontime1	3283.1999878287	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3283.1999878287	Sum of GTIs [s]
			ontime3	3283.1999878287	Sum of GTIs [s]
			ontime5	3283.1999878287	Sum of GTIs [s]
			ontime7	3283.1999878287	Sum of GTIs [s]
			l1events	330884	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	55496	58885	55599	61479	50940	48485	grade 0 events	5960	5973	6210	6289	2244	3174
rejected events	43704	46931	43667	49550	27756	26255		10%	10%	11%	10%	4%	6%
rejected %	78%	79%	78%	80%	54%	54%	grade 1 events	25	32	45	47	49	31
								0%	0%	0%	0%	0%	0%
							grade 2 events	2313	2495	2270	2219	8573	5372
								4%	4%	4%	3%	16%	11%
							grade 3 events	799	766	784	813	899	1915
								1%	1%	1%	1%	1%	3%
							grade 4 events	831	776	848	788	861	1859
								1%	1%	1%	1%	1%	3%
							grade 5 events	1120	1173	1049	1286	2382	3039
								2%	1%	1%	2%	4%	6%
							grade 6 events	1897	1952	1831	1839	10632	9932
								3%	3%	3%	2%	20%	20%
							grade 7 events	42551	45718	42562	48198	25300	23163
								76%	77%	76%	78%	49%	47%

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	243.0125101443865	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-19.02618387255404	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	261.4720153531125	[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)	497644696.545179	497644695.52018			
Observation start date	2013-10-08T18:38:17	2013-10-08T18:38:15			
[s] Observation end time (MET)	497649876.895462	497649875.87046			
Observation end date	2013-10-08T20:04:37	2013-10-08T20:04:35			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.10.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2831999878287

A.2 Comments