

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54929 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 15 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

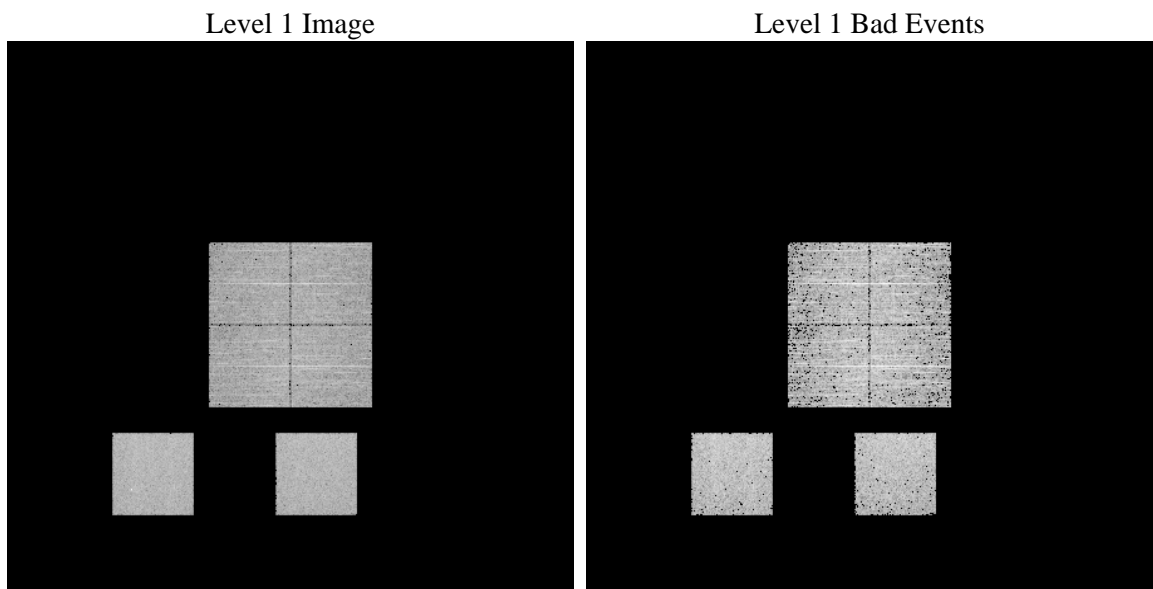
1 Front

seq_num	 	Sequence number
obs_id	54929	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	139.14573057994	Nominal RA [deg]
dec_nom	8.9427451609308	Nominal Dec [deg]
roll_nom	58.069520876995	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3285.8900557756	Sum of GTIs [s]
livetime	3244.282137364	Livetime [s]
ontime0	3285.8490157723	Sum of GTIs [s]
ontime1	3285.807975769	Sum of GTIs [s]
ontime2	3285.7669357657	Sum of GTIs [s]
ontime3	3285.9310957789	Sum of GTIs [s]
ontime5	3285.7258957624	Sum of GTIs [s]
ontime7	3285.8900557756	Sum of GTIs [s]
l2events	121781	Number of level 2 events

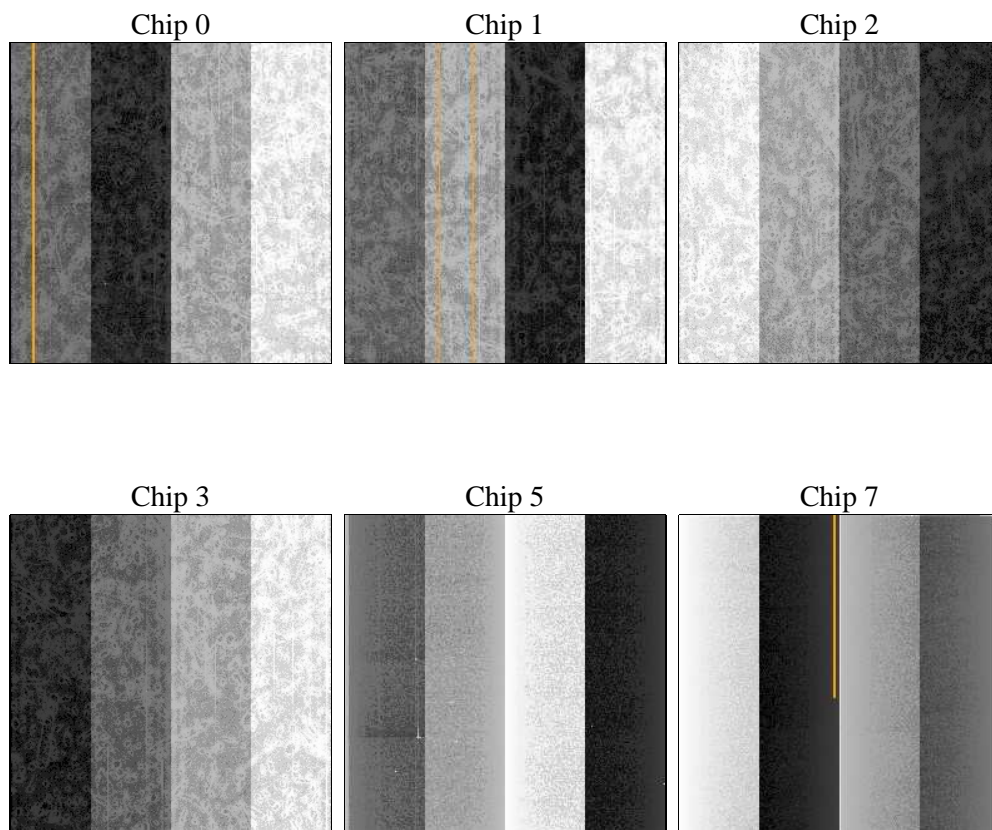
2 OBI

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	8.4.3	Processing system revision	ontime	3285.8900557756	Sum of GTIs [s]
caldsver	4.4.7	 	ontime0	3285.8490157723	Sum of GTIs [s]
date	2012-01-16T02:25:03	Date and time of file creation	ontime1	3285.807975769	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3285.7669357657	Sum of GTIs [s]
			ontime3	3285.9310957789	Sum of GTIs [s]
			ontime5	3285.7258957624	Sum of GTIs [s]
			ontime7	3285.8900557756	Sum of GTIs [s]
			l1events	267165	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	38338	39117	40418	40924	55337	53031	grade 0 events	8685	8459	9228	9160	2809	4537
rejected events	21465	22033	23225	23690	24868	24156		22%	21%	22%	22%	5%	8%
rejected %	55%	56%	57%	57%	44%	45%	grade 1 events	40	39	62	66	66	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	3201	3613	2992	3102	11379	6192
								8%	9%	7%	7%	20%	11%
							grade 3 events	1164	1103	1187	1183	989	2405
								3%	2%	2%	2%	1%	4%
							grade 4 events	1125	1096	1199	1217	935	2426
								2%	2%	2%	2%	1%	4%
							grade 5 events	1320	1343	1375	1471	2817	3627
								3%	3%	3%	3%	5%	6%
							grade 6 events	2698	2813	2587	2572	14357	13315
								7%	7%	6%	6%	25%	25%
							grade 7 events	20105	20651	21788	22153	21985	20488
								52%	52%	53%	54%	39%	38%

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	139.1457305799354	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	8.942745160930835	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	58.06952087699489	[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)	443030078.837785	443030077.81279			
Observation start date	2012-01-15T15:54:39	2012-01-15T15:54:37			
[s] Observation end time (MET)	443035259.188059	443035258.16306			
Observation end date	2012-01-15T17:20:59	2012-01-15T17:20:58			
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)	2012.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2858900557756

A.2 Comments