

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54228 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 22 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

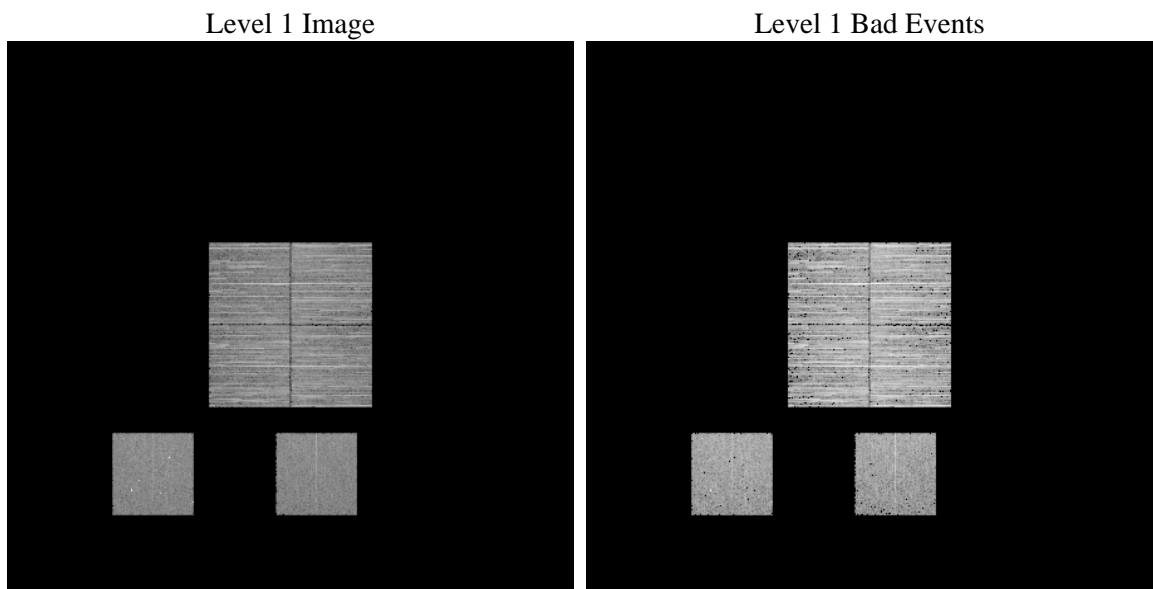
1 Front

seq_num	 	Sequence number
obs_id	54228	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	158.19092616993	Nominal RA [deg]
dec_nom	52.228413893245	Nominal Dec [deg]
roll_nom	49.498749193352	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3798.3999859095	Sum of GTIs [s]
livetime	3750.302358166	Livetime [s]
ontime0	3798.3999859095	Sum of GTIs [s]
ontime1	3798.3999859095	Sum of GTIs [s]
ontime2	3798.3999859095	Sum of GTIs [s]
ontime3	3798.3999859095	Sum of GTIs [s]
ontime5	3798.3999859095	Sum of GTIs [s]
ontime7	3798.3999859095	Sum of GTIs [s]
l2events	125265	Number of level 2 events

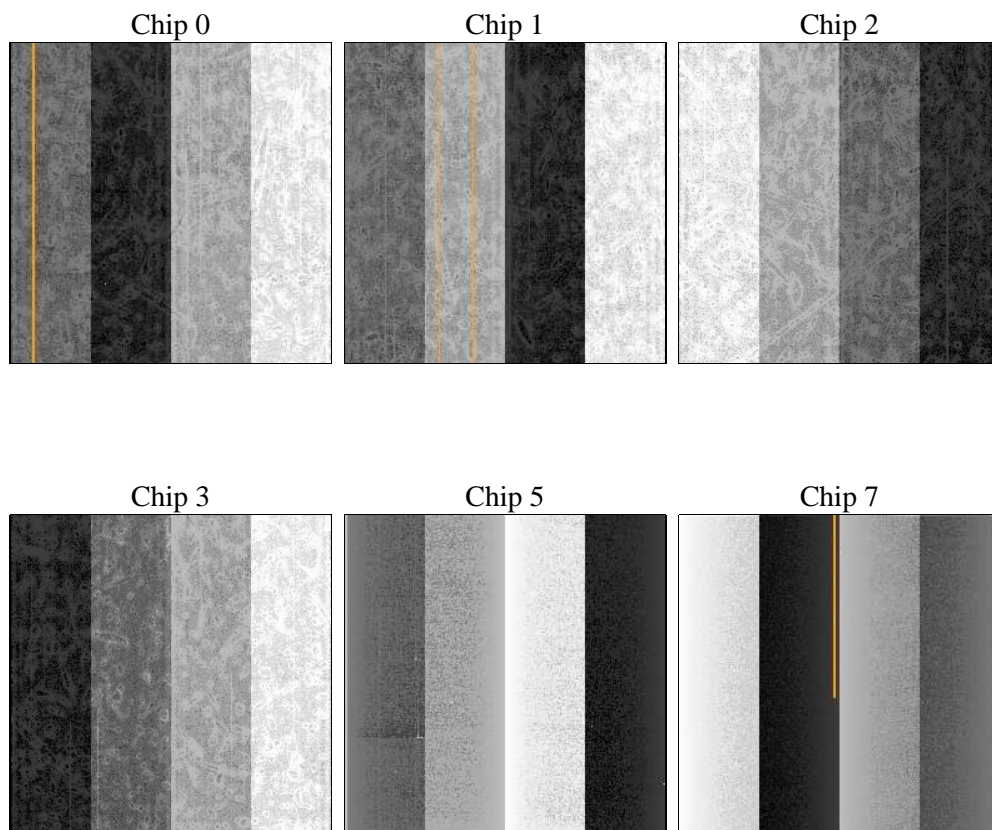
2 OBI

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	3798.3999859095	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	3798.3999859095	Sum of GTIs [s]
date	2012-10-22T07:24:33	Date and time of file creation	ontime1	3798.3999859095	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3798.3999859095	Sum of GTIs [s]
			ontime3	3798.3999859095	Sum of GTIs [s]
			ontime5	3798.3999859095	Sum of GTIs [s]
			ontime7	3798.3999859095	Sum of GTIs [s]
			l1events	444614	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	72916	83796	77899	80865	67227	61911	grade 0 events	9187	8690	9298	9404	5291	4734
rejected events	55214	66165	60330	63052	33710	32107		12%	10%	11%	11%	7%	7%
rejected %	75%	78%	77%	77%	50%	51%	grade 1 events	56	37	53	47	118	42
								0%	0%	0%	0%	0%	0%
							grade 2 events	3433	3646	3323	3449	12332	7217
								4%	4%	4%	4%	18%	11%
							grade 3 events	1218	1149	1162	1191	1291	2560
								1%	1%	1%	1%	1%	4%
							grade 4 events	1187	1192	1228	1236	1187	2520
								1%	1%	1%	1%	1%	4%
							grade 5 events	1401	1432	1312	1487	3045	3614
								1%	1%	1%	1%	4%	5%
							grade 6 events	2841	3103	2690	2701	13700	13005
								3%	3%	3%	3%	20%	21%
							grade 7 events	53593	64547	58833	61350	30263	28219
								73%	77%	75%	75%	45%	45%

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	158.1909261699308	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	52.22841389324509	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	49.49874919335165	[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)	467225784.247465	467225783.22247			
Observation start date	2012-10-21T16:56:24	2012-10-21T16:56:23			
[s] Observation end time (MET)	467230599.697724	467230598.67272			
Observation end date	2012-10-21T18:16:40	2012-10-21T18:16:38			
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)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.7983999859095

A.2 Comments