

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54374 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 28 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

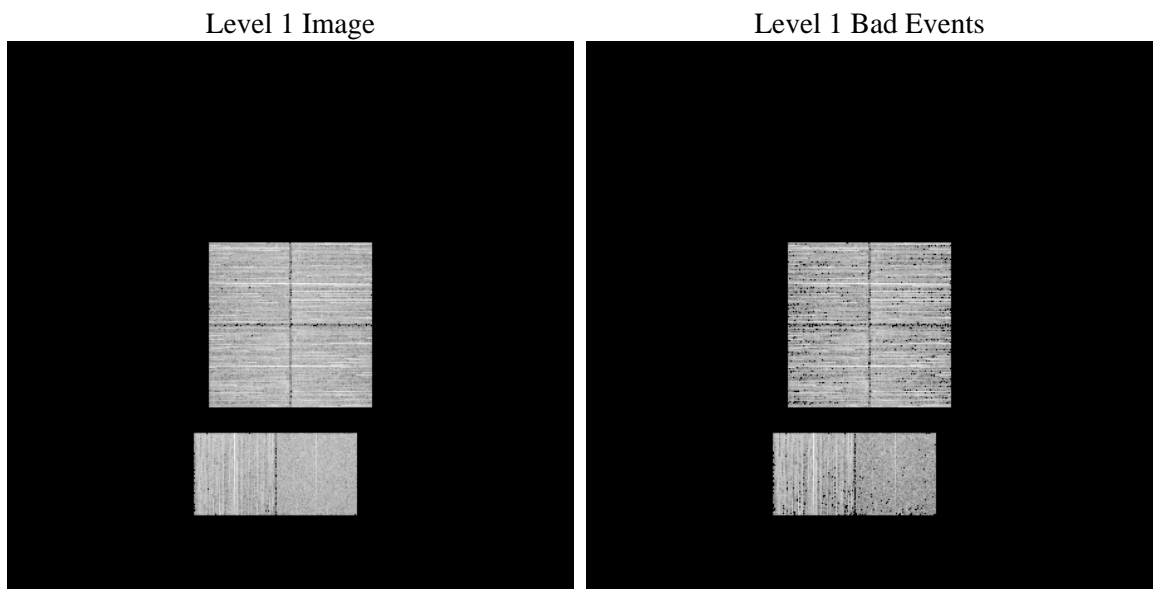
1 Front

seq_num	 	Sequence number
obs_id	54374	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	359.31686055352	Nominal RA [deg]
dec_nom	-26.353252024263	Nominal Dec [deg]
roll_nom	55.771063842325	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3292.5351145267	Sum of GTIs [s]
livetime	3250.84305238	Livetime [s]
ontime0	3292.4940745234	Sum of GTIs [s]
ontime1	3292.4530345201	Sum of GTIs [s]
ontime2	3292.4119945168	Sum of GTIs [s]
ontime3	3292.57615453	Sum of GTIs [s]
ontime6	3292.3709545135	Sum of GTIs [s]
ontime7	3292.5351145267	Sum of GTIs [s]
l2events	95776	Number of level 2 events

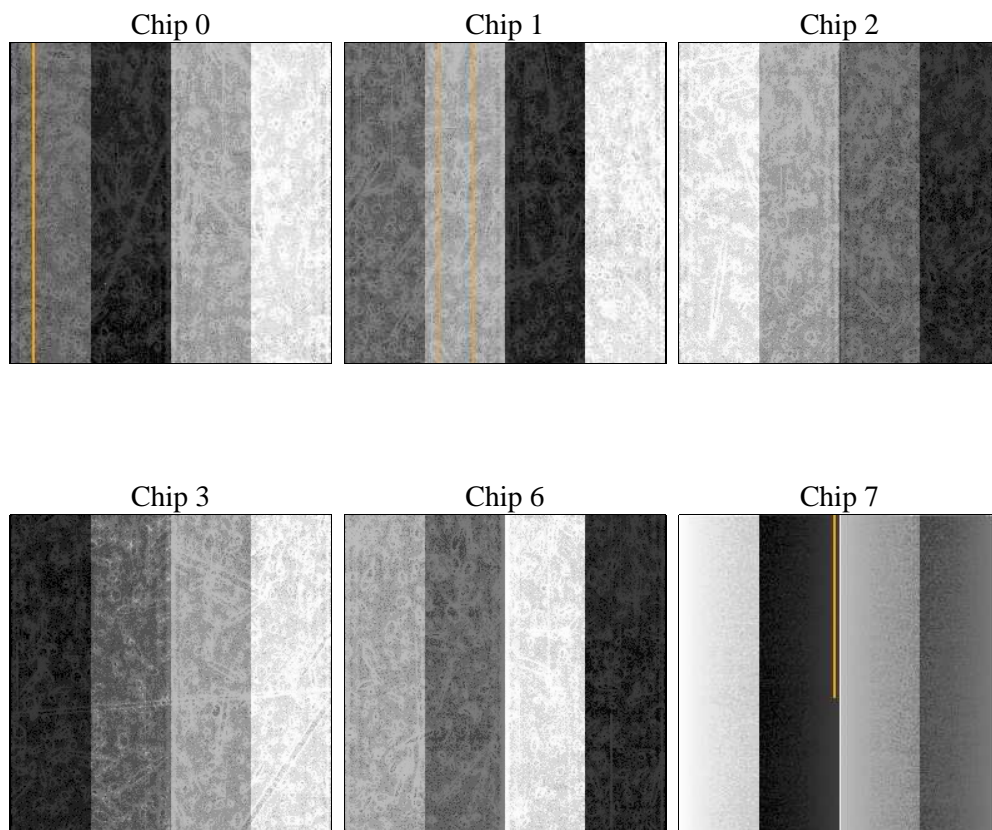
2 OBI

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	3292.5351145267	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	3292.4940745234	Sum of GTIs [s]
date	2012-08-28T05:42:49	Date and time of file creation	ontime1	3292.4530345201	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3292.4119945168	Sum of GTIs [s]
			ontime3	3292.57615453	Sum of GTIs [s]
			ontime6	3292.3709545135	Sum of GTIs [s]
			ontime7	3292.5351145267	Sum of GTIs [s]
			l1events	369143	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	60627	68534	60767	63111	63674	52430	grade 0 events	7603	7631	7756	8037	7968	3905
rejected events	45748	53435	45935	48015	47821	26996		12%	11%	12%	12%	12%	7%
rejected %	75%	77%	75%	76%	75%	51%	grade 1 events	41	38	36	28	37	31
								0%	0%	0%	0%	0%	0%
							grade 2 events	2938	3085	2843	2834	3135	6237
								4%	4%	4%	4%	4%	11%
							grade 3 events	1031	994	998	1025	1033	2137
								1%	1%	1%	1%	1%	4%
							grade 4 events	972	1011	1015	1007	966	2215
								1%	1%	1%	1%	1%	4%
							grade 5 events	1160	1190	1118	1286	1229	3009
								1%	1%	1%	2%	1%	5%
							grade 6 events	2335	2378	2220	2193	2751	10940
								3%	3%	3%	3%	4%	20%
							grade 7 events	44547	52207	44781	46701	46555	23956
								73%	76%	73%	73%	73%	45%

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	359.3168605535168	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-26.3532520242626	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	55.7710638423254	[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)	462449890.791327	462449889.76633			
Observation start date	2012-08-27T10:18:11	2012-08-27T10:18:09			
[s] Observation end time (MET)	462456108.441659	462456107.41666			
Observation end date	2012-08-27T12:01:48	2012-08-27T12:01:47			
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)	2012.08.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2925351145267

A.2 Comments