

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 60093 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 7 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

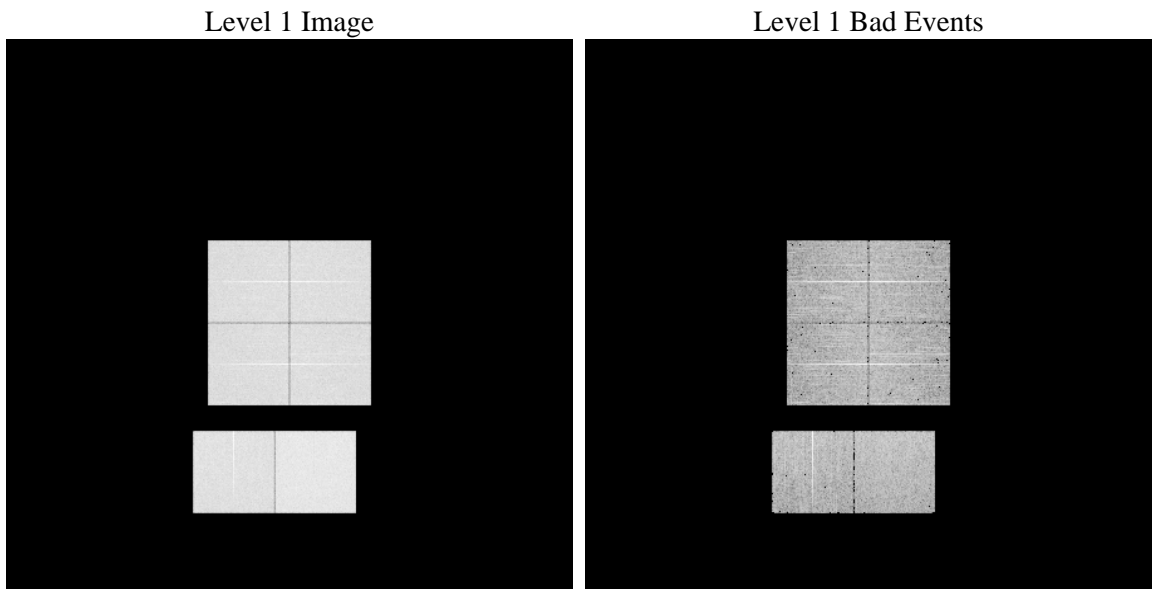
1 Front

seq_num	 	Sequence number
obs_id	60093	Observation id
title	ACIS-012367 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	326.33174314084	Nominal RA [deg]
dec_nom	-18.985167631297	Nominal Dec [deg]
roll_nom	3.0146948478913	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7803.6770356596	Sum of GTIs [s]
livetime	7704.8621782238	Livetime [s]
ontime0	6141.018730253	Sum of GTIs [s]
ontime1	6244.689278096	Sum of GTIs [s]
ontime2	5850.0308250487	Sum of GTIs [s]
ontime3	6004.9798795879	Sum of GTIs [s]
ontime6	6477.9569173753	Sum of GTIs [s]
ontime7	7803.6770356596	Sum of GTIs [s]
l2events	1090833	Number of level 2 events

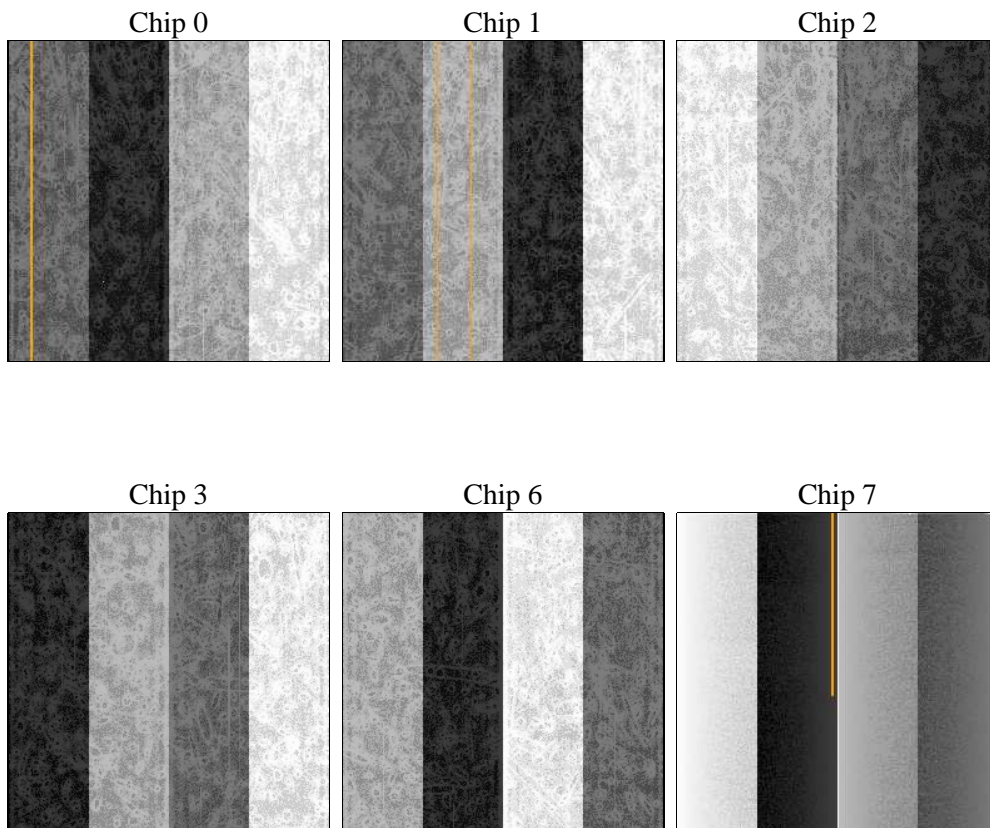
2 OBI

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	8.5	Processing system revision	ontime	7803.6770356596	Sum of GTIs [s]
caldsver	4.5.4	 	ontime0	6141.018730253	Sum of GTIs [s]
date	2012-12-07T18:04:15	Date and time of file creation	ontime1	6244.689278096	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5850.0308250487	Sum of GTIs [s]
			ontime3	6004.9798795879	Sum of GTIs [s]
			ontime6	6477.9569173753	Sum of GTIs [s]
			ontime7	7803.6770356596	Sum of GTIs [s]
			l1events	1414049	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	219658	222116	213600	219089	243361	296225	grade 0 events	97401	98477	95578	97569	106499	59732
rejected events	42991	42429	43030	44854	47163	48307		44%	44%	44%	44%	43%	20%
rejected %	19%	19%	20%	20%	19%	16%	grade 1 events	573	529	623	602	584	170
								0%	0%	0%	0%	0%	0%
							grade 2 events	30856	31786	28993	29736	34062	54784
								14%	14%	13%	13%	13%	18%
							grade 3 events	11484	11616	11065	11572	12407	24933
								5%	5%	5%	5%	5%	8%
							grade 4 events	11346	11502	11055	11519	12115	24650
								5%	5%	5%	5%	4%	8%
							grade 5 events	2742	2824	2662	2970	3200	8568
								1%	1%	1%	1%	1%	2%
							grade 6 events	25580	26306	23879	23839	31115	83819
								11%	11%	11%	10%	12%	28%
							grade 7 events	39676	39076	39745	41282	43379	39569
								18%	17%	18%	18%	17%	13%

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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	326.3317431408371	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-18.98516763129708	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	3.014694847891256			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	209029149.254226	209029148.22922			
Observation start date	2004-08-16T07:39:09	2004-08-16T07:39:08			
[s] Observation end time (MET)	209050957.155197	209050956.13019			
Observation end date	2004-08-16T13:42:37	2004-08-16T13:42:36			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8036770356596

A.2 Comments