

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57195 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 3 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

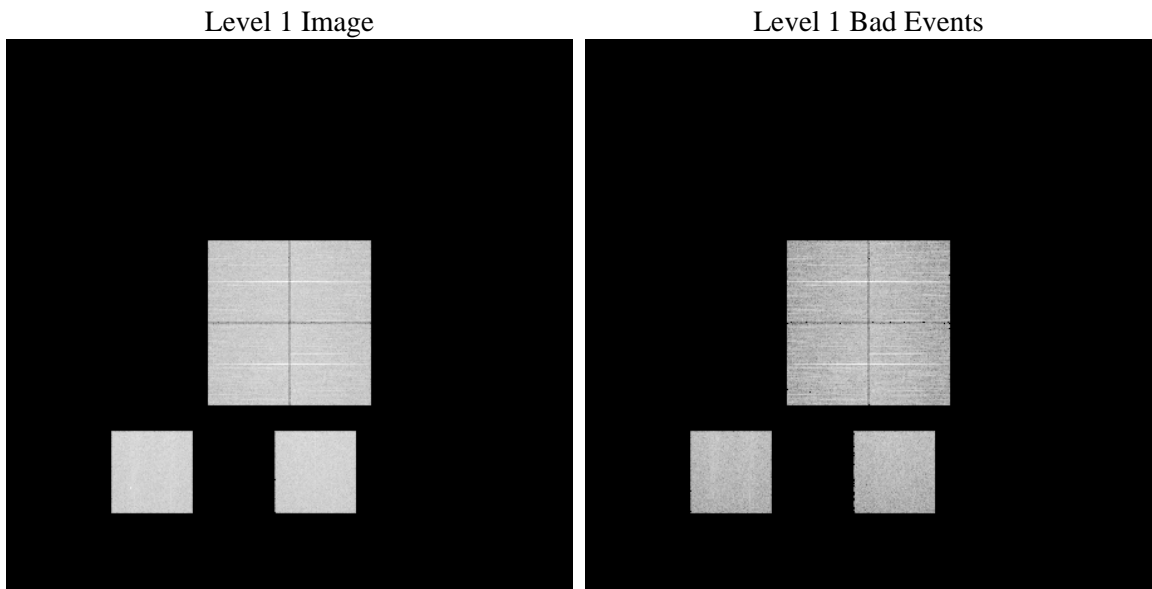
1 Front

seq_num	 	Sequence number
obs_id	57195	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	212.97213919399	Nominal RA [deg]
dec_nom	10.008452682545	Nominal Dec [deg]
roll_nom	130.11506533911	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7103.9999735951	Sum of GTIs [s]
livetime	7014.0448484142	Livetime [s]
ontime0	7103.9999735951	Sum of GTIs [s]
ontime1	7103.9999735951	Sum of GTIs [s]
ontime2	7103.9999735951	Sum of GTIs [s]
ontime3	7103.9999735951	Sum of GTIs [s]
ontime5	7103.9999735951	Sum of GTIs [s]
ontime7	7103.9999735951	Sum of GTIs [s]
l2events	454034	Number of level 2 events

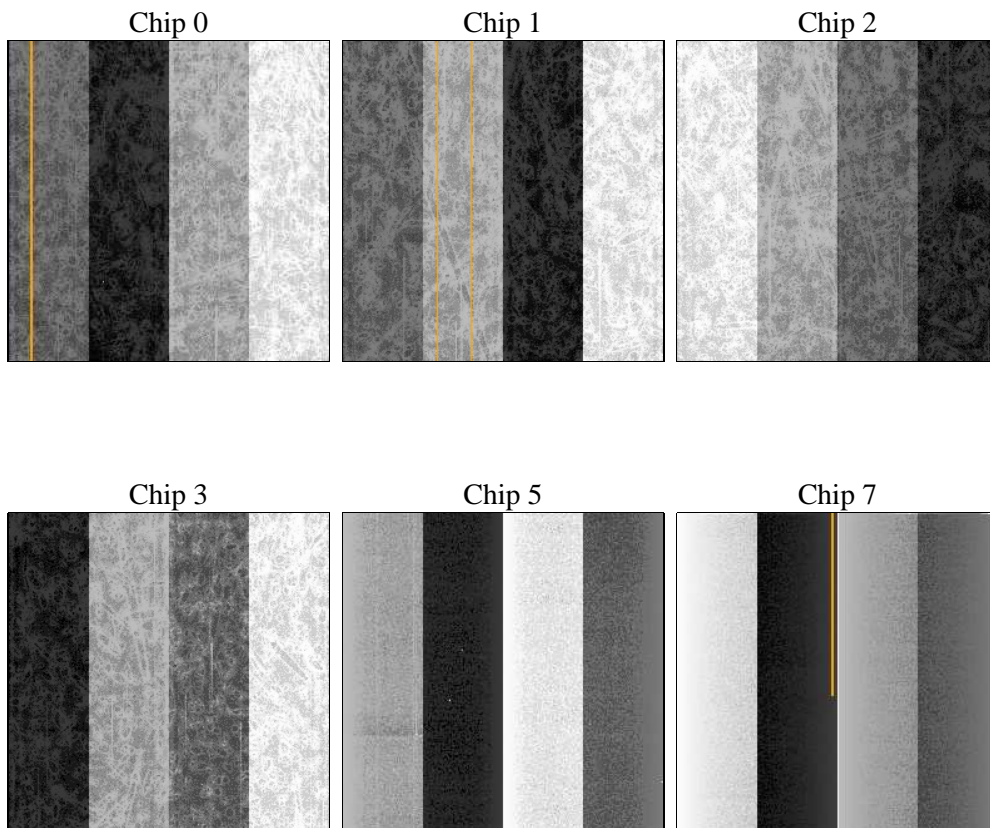
2 OBI

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	8.4.4	Processing system revision	ontime	7103.9999735951	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	7103.9999735951	Sum of GTIs [s]
date	2012-06-03T23:54:35	Date and time of file creation	ontime1	7103.9999735951	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7103.9999735951	Sum of GTIs [s]
			ontime3	7103.9999735951	Sum of GTIs [s]
			ontime5	7103.9999735951	Sum of GTIs [s]
			ontime7	7103.9999735951	Sum of GTIs [s]
			l1events	866724	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	132054	133127	136722	138180	164020	162621	grade 0 events	36435	35492	37503	37901	12158	18211
rejected events	63689	64155	68366	69164	64039	61562		27%	26%	27%	27%	7%	11%
rejected %	48%	48%	50%	50%	39%	37%	grade 1 events	256	219	314	294	203	137
								0%	0%	0%	0%	0%	0%
							grade 2 events	12487	13493	11397	11720	37632	22101
								9%	10%	8%	8%	22%	13%
							grade 3 events	4558	4617	4701	4714	3959	9228
								3%	3%	3%	3%	2%	5%
							grade 4 events	4556	4527	4744	4825	3947	8941
								3%	3%	3%	3%	2%	5%
							grade 5 events	3578	3572	3382	3863	7962	9494
								2%	2%	2%	2%	4%	5%
							grade 6 events	10365	10867	10052	9887	42322	42633
								7%	8%	7%	7%	25%	26%
							grade 7 events	59819	60340	64629	64976	55837	51876
								45%	45%	47%	47%	34%	31%

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	212.9721391939865	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	10.00845268254477	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	130.1150653391133	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	355300464.326676	355300463.30166			
Observation start date	2009-04-05T06:34:24	2009-04-05T06:34:23			
[s] Observation end time (MET)	355312563.427278	355312562.40226			
Observation end date	2009-04-05T09:56:03	2009-04-05T09:56:02			
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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.1039999735951

A.2 Comments