

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55710 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 2 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

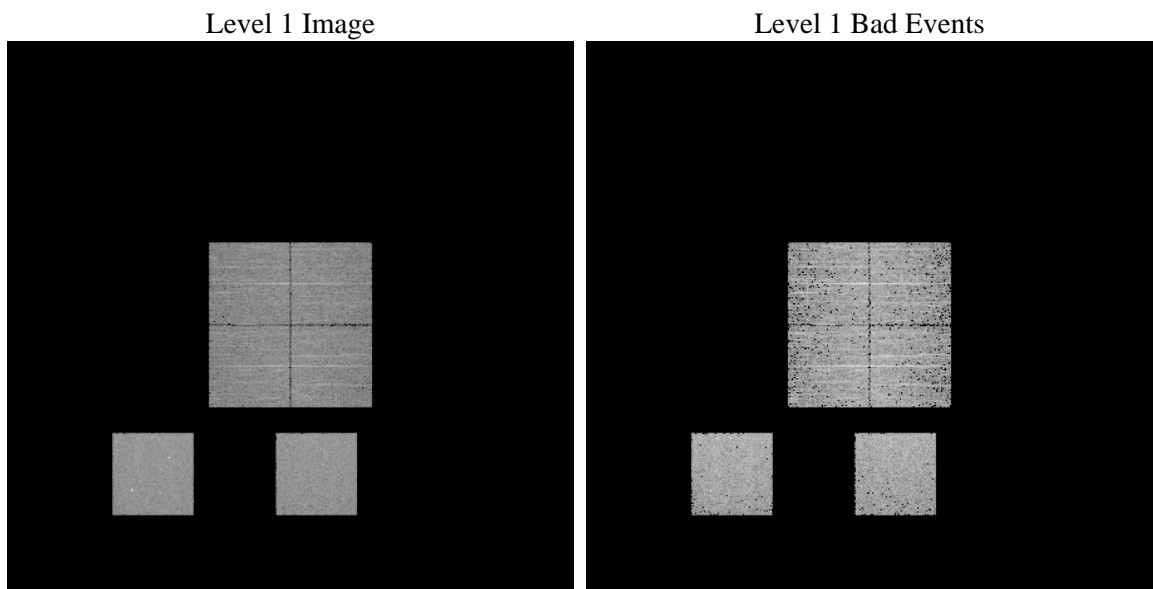
1 Front

seq_num	 	Sequence number
obs_id	55710	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	132.51272662751	Nominal RA [deg]
dec_nom	24.006133114705	Nominal Dec [deg]
roll_nom	110.32059174739	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3256.1118760705	Sum of GTIs [s]
livetime	3214.8810269005	Livetime [s]
ontime0	3256.0708360672	Sum of GTIs [s]
ontime1	3256.0297960639	Sum of GTIs [s]
ontime2	3255.9887560606	Sum of GTIs [s]
ontime3	3256.1529160738	Sum of GTIs [s]
ontime5	3255.9477160573	Sum of GTIs [s]
ontime7	3256.1118760705	Sum of GTIs [s]
l2events	149355	Number of level 2 events

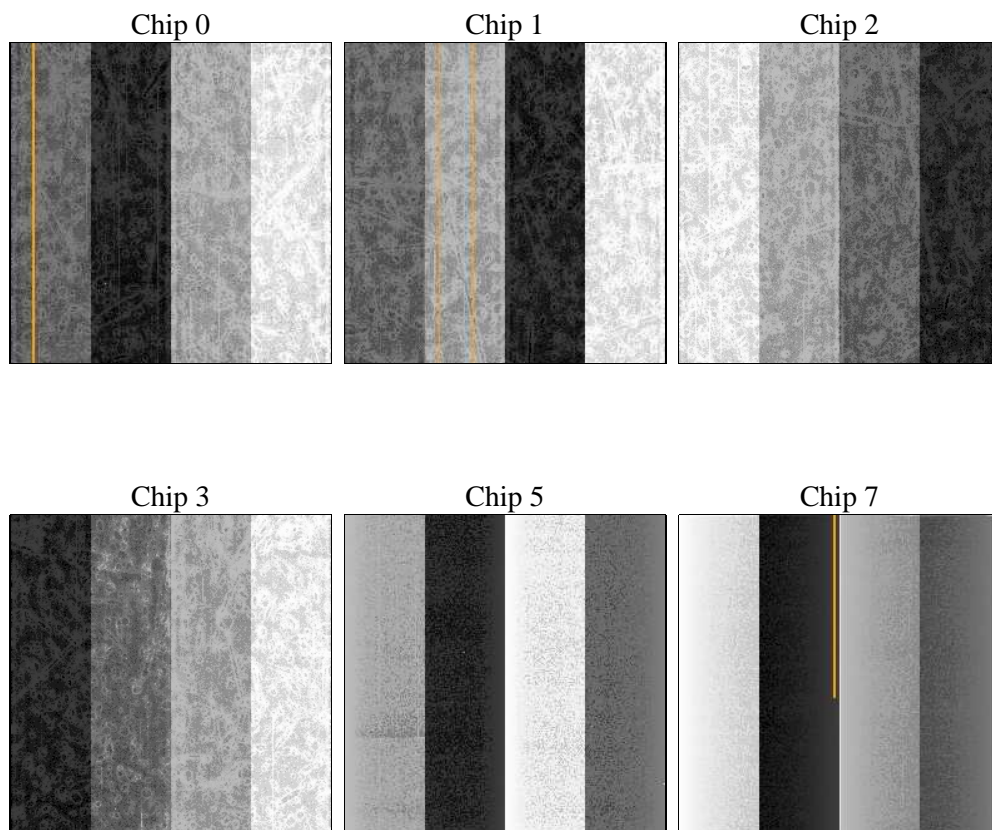
2 OBI

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	3256.1118760705	Sum of GTIs [s]
caldsver	4.4.7	 	ontime0	3256.0708360672	Sum of GTIs [s]
date	2012-02-02T09:08:57	Date and time of file creation	ontime1	3256.0297960639	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3255.9887560606	Sum of GTIs [s]
			ontime3	3256.1529160738	Sum of GTIs [s]
			ontime5	3255.9477160573	Sum of GTIs [s]
			ontime7	3256.1118760705	Sum of GTIs [s]
			l1events	304459	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	44316	44340	45652	46538	62987	60626	grade 0 events	11290	11367	11587	11674	5733	6018
rejected events	22879	22774	24142	25075	26129	25411		25%	25%	25%	25%	9%	9%
rejected %	51%	51%	52%	53%	41%	41%	grade 1 events	61	45	108	68	83	56
								0%	0%	0%	0%	0%	0%
							grade 2 events	4121	4111	3833	3831	12810	7803
								9%	9%	8%	8%	20%	12%
							grade 3 events	1517	1421	1528	1511	1623	3312
								3%	3%	3%	3%	2%	5%
							grade 4 events	1424	1430	1502	1469	1667	3175
								3%	3%	3%	3%	2%	5%
							grade 5 events	1442	1455	1421	1575	3428	4113
								3%	3%	3%	3%	5%	6%
							grade 6 events	3254	3426	3263	3144	15348	15178
								7%	7%	7%	6%	24%	25%
							grade 7 events	21207	21085	22410	23266	22295	20971
								47%	47%	49%	49%	35%	34%

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	132.5127266275113	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	24.00613311470475	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	110.3205917473907	[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)	411928168.647973	411928167.62297			
Observation start date	2011-01-20T16:29:29	2011-01-20T16:29:27			
[s] Observation end time (MET)	411933492.498248	411933491.47325			
Observation end date	2011-01-20T17:58:12	2011-01-20T17:58:11			
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)	2012.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2561118760705

A.2 Comments