

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54426 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Aug 15 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

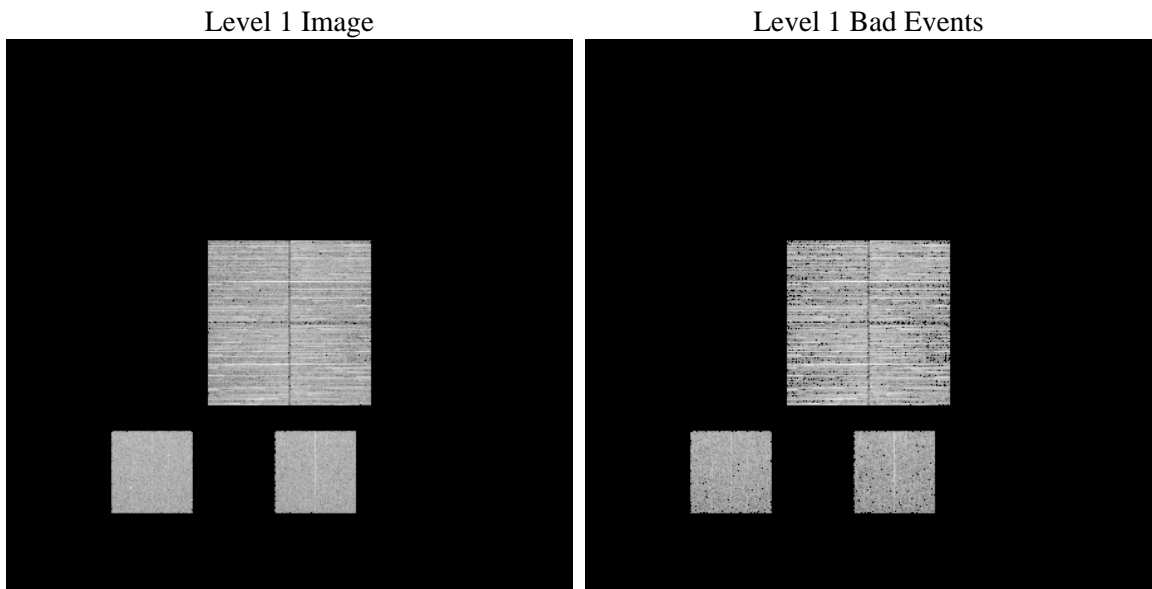
1 Front

seq_num	 	Sequence number
obs_id	54426	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	294.0298846828	Nominal RA [deg]
dec_nom	-31.013027340335	Nominal Dec [deg]
roll_nom	299.98291400865	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3199.9999881387	Sum of GTIs [s]
livetime	3159.4796614802	Livetime [s]
ontime0	3076.8408415318	Sum of GTIs [s]
ontime1	3083.322902143	Sum of GTIs [s]
ontime2	3057.3945819139	Sum of GTIs [s]
ontime3	3076.840832293	Sum of GTIs [s]
ontime5	3199.9999881387	Sum of GTIs [s]
ontime7	3199.9999881387	Sum of GTIs [s]
l2events	101573	Number of level 2 events

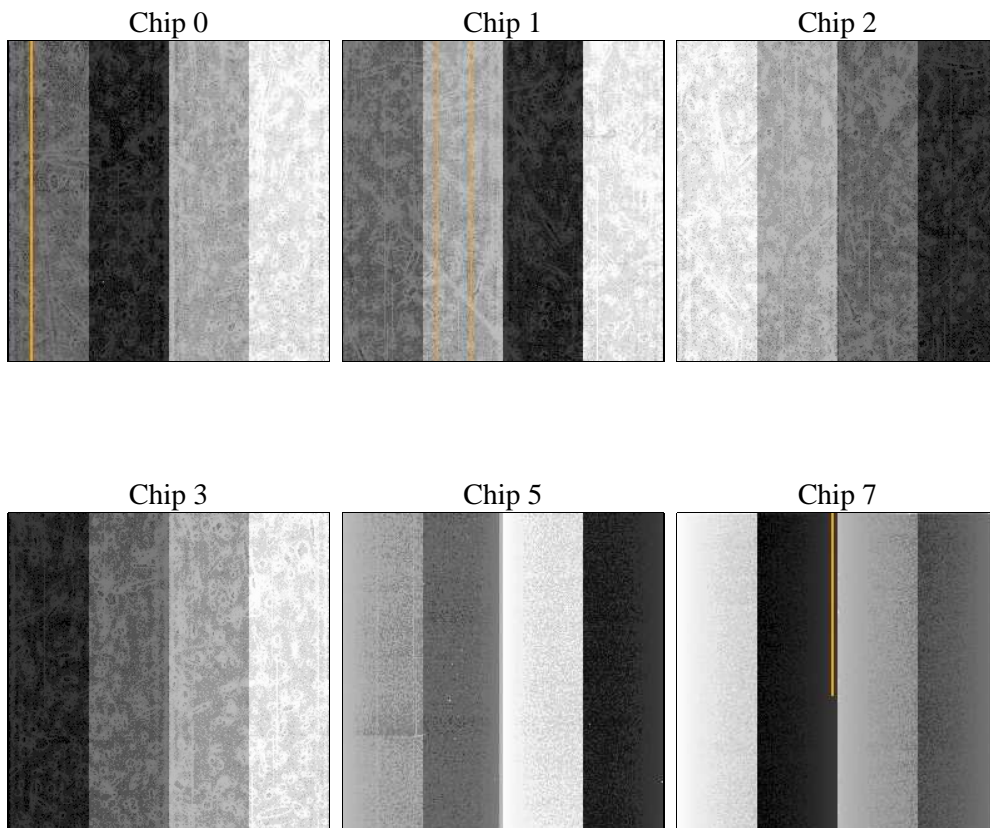
2 OBI

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	3199.9999881387	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime0	3076.8408415318	Sum of GTIs [s]
date	2012-08-15T14:50:34	Date and time of file creation	ontime1	3083.322902143	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3057.3945819139	Sum of GTIs [s]
			ontime3	3076.840832293	Sum of GTIs [s]
			ontime5	3199.9999881387	Sum of GTIs [s]
			ontime7	3199.9999881387	Sum of GTIs [s]
			l1events	352847	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	56370	63258	63658	62821	54363	52377	grade 0 events	7485	7269	7719	7690	2935	4006
rejected events	42259	49087	49486	48562	29050	27417		13%	11%	12%	12%	5%	7%
rejected %	74%	77%	77%	77%	53%	52%	grade 1 events	35	29	54	31	49	39
								0%	0%	0%	0%	0%	0%
							grade 2 events	2854	3091	2773	2785	9870	6296
								5%	4%	4%	4%	18%	12%
							grade 3 events	1025	941	938	1046	878	2182
								1%	1%	1%	1%	1%	4%
							grade 4 events	976	938	987	1037	885	2042
								1%	1%	1%	1%	1%	3%
							grade 5 events	1104	1087	1025	1201	2316	2963
								1%	1%	1%	1%	4%	5%
							grade 6 events	2161	2356	2154	2125	11420	11154
								3%	3%	3%	3%	21%	21%
							grade 7 events	40730	47547	48008	46906	26010	23695
								72%	75%	75%	74%	47%	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	294.0298846827969	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-31.01302734033463	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	299.9829140086467	[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	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	460623076.243574	460623075.21857			
Observation start date	2012-08-06T06:51:16	2012-08-06T06:51:15			
[s] Observation end time (MET)	460628076.19384	460628075.16884			
Observation end date	2012-08-06T08:14:36	2012-08-06T08:14:35			
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)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1999999881387

A.2 Comments