

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55256 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 19 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

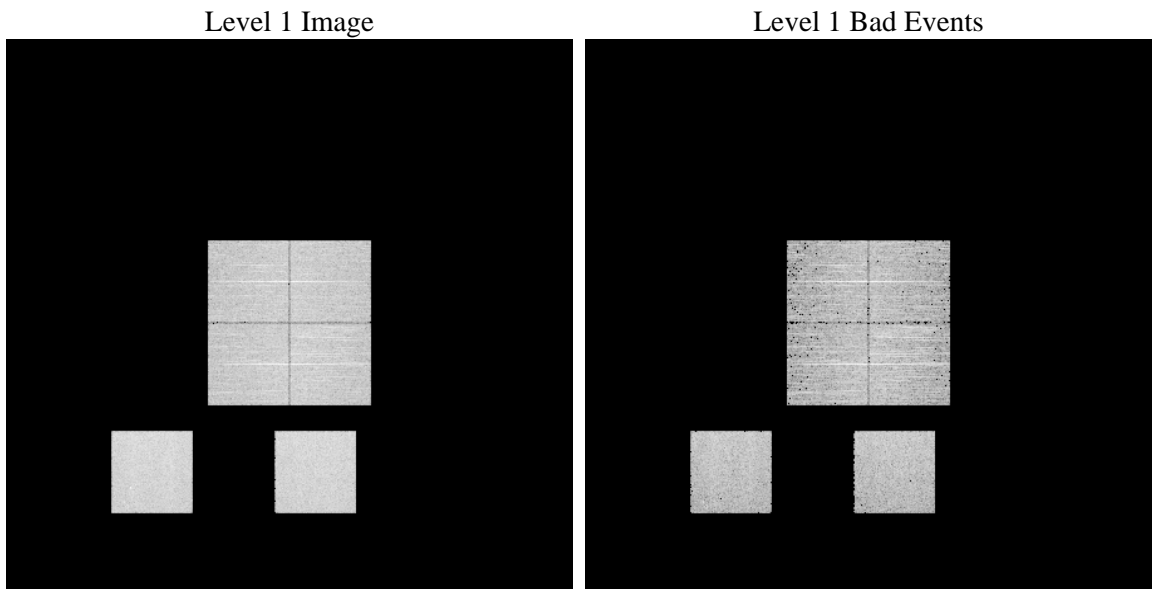
1 Front

seq_num	 	Sequence number
obs_id	55256	Observation id
title	ACIS-012357 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	301.5434684648	Nominal RA [deg]
dec_nom	-43.985357808687	Nominal Dec [deg]
roll_nom	338.52464846422	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5612.7999791503	Sum of GTIs [s]
livetime	5541.7273261919	Livetime [s]
ontime0	5612.7999791503	Sum of GTIs [s]
ontime1	5609.558968842	Sum of GTIs [s]
ontime2	5612.7999791503	Sum of GTIs [s]
ontime3	5612.7999791503	Sum of GTIs [s]
ontime5	5612.7999791503	Sum of GTIs [s]
ontime7	5612.7999791503	Sum of GTIs [s]
l2events	227689	Number of level 2 events

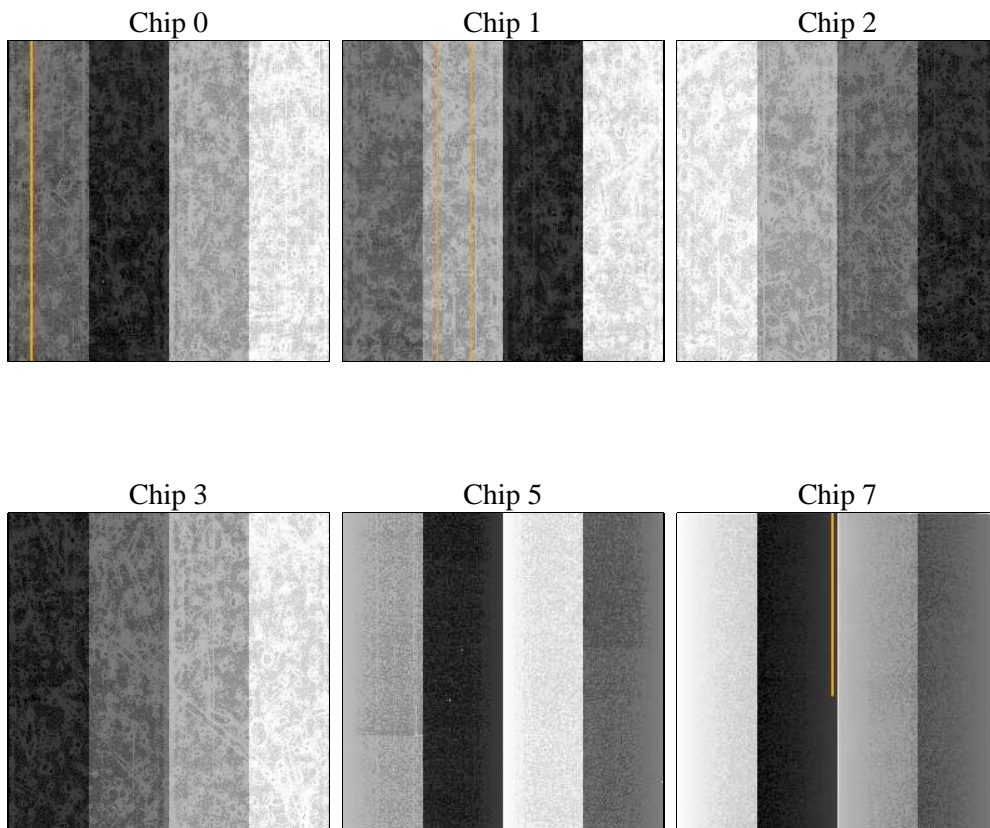
2 OBI

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	5612.7999791503	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	5612.7999791503	Sum of GTIs [s]
date	2012-02-19T10:04:50	Date and time of file creation	ontime1	5609.558968842	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5612.7999791503	Sum of GTIs [s]
			ontime3	5612.7999791503	Sum of GTIs [s]
			ontime5	5612.7999791503	Sum of GTIs [s]
			ontime7	5612.7999791503	Sum of GTIs [s]
			l1events	466613	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	68211	68460	69558	74737	93724	91923	grade 0 events	17416	16637	17807	17860	5479	8797
rejected events	34742	34974	36799	41392	40513	39605		25%	24%	25%	23%	5%	9%
rejected %	50%	51%	52%	55%	43%	43%	grade 1 events	102	91	118	101	108	66
								0%	0%	0%	0%	0%	0%
							grade 2 events	6148	6853	5513	5758	20036	11668
								9%	10%	7%	7%	21%	12%
							grade 3 events	2285	2186	2235	2338	1869	4461
								3%	3%	3%	3%	1%	4%
							grade 4 events	2232	2213	2203	2295	1842	4270
								3%	3%	3%	3%	1%	4%
							grade 5 events	2157	2183	2135	2515	4712	5957
								3%	3%	3%	3%	5%	6%
							grade 6 events	5404	5615	5019	5137	24009	23154
								7%	8%	7%	6%	25%	25%
							grade 7 events	32467	32682	34528	38733	35669	33550
								47%	47%	49%	51%	38%	36%

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	301.5434684648	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-43.98535780868738	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	338.5246484642248	[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)	428633885.643358	428633884.61836			
Observation start date	2011-08-02T00:58:06	2011-08-02T00:58:04			
[s] Observation end time (MET)	428644490.293913	428644489.26892			
Observation end date	2011-08-02T03:54:50	2011-08-02T03:54:49			
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)	2012.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.6127999791503

A.2 Comments