

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 54622 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 11 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

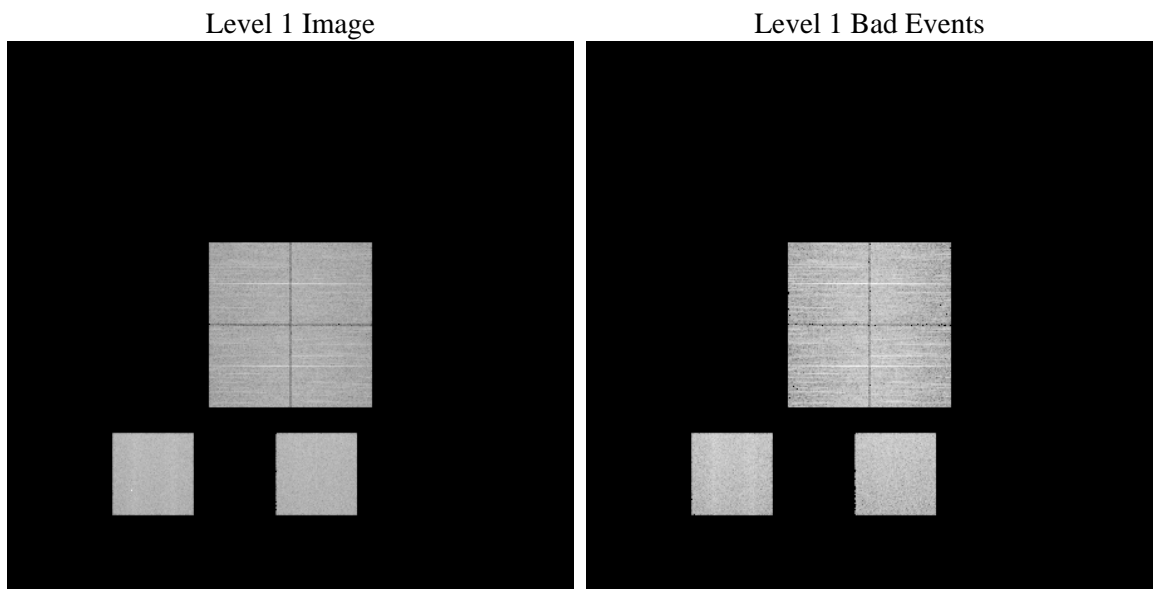
1 Front

seq_num	 	Sequence number
obs_id	54622	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	249.98686721125	Nominal RA [deg]
dec_nom	0.012940633959042	Nominal Dec [deg]
roll_nom	130.99270415572	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8277.5383501053	Sum of GTIs [s]
livetime	8172.723175381	Livetime [s]
ontime0	8277.5383402109	Sum of GTIs [s]
ontime1	8277.5383501053	Sum of GTIs [s]
ontime2	8277.5279706717	Sum of GTIs [s]
ontime3	8277.5383402109	Sum of GTIs [s]
ontime5	8277.4869306684	Sum of GTIs [s]
ontime7	8277.5383501053	Sum of GTIs [s]
l2events	300327	Number of level 2 events

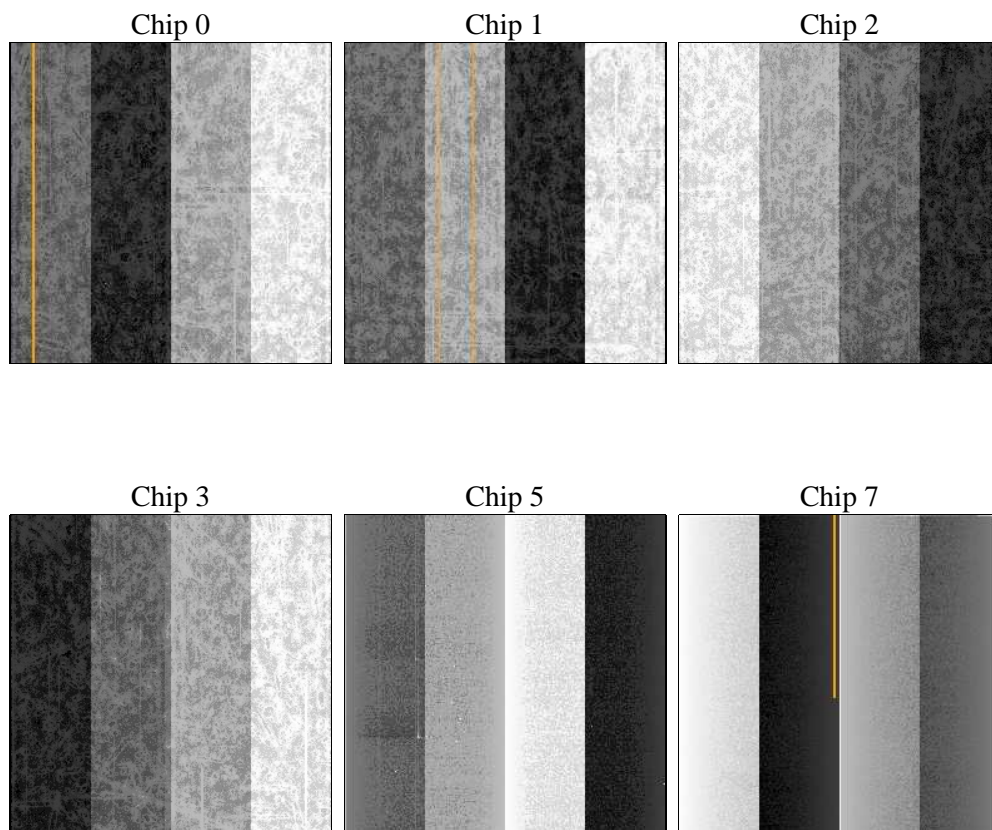
2 OBI

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	8277.5383501053	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8277.5383402109	Sum of GTIs [s]
date	2012-05-11T16:11:57	Date and time of file creation	ontime1	8277.5383501053	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8277.5279706717	Sum of GTIs [s]
			ontime3	8277.5383402109	Sum of GTIs [s]
			ontime5	8277.4869306684	Sum of GTIs [s]
			ontime7	8277.5383501053	Sum of GTIs [s]
			l1events	649309	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	96283	95502	96286	100334	132877	128027	grade 0 events	21372	19786	22375	22806	6139	10726
rejected events	53676	52283	53835	57295	59749	57376		22%	20%	23%	22%	4%	8%
rejected %	55%	54%	55%	57%	44%	44%	grade 1 events	126	87	147	157	188	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	8623	10433	7661	7754	27254	15971
								8%	10%	7%	7%	20%	12%
							grade 3 events	2764	2647	2888	2824	2234	5773
								2%	2%	2%	2%	1%	4%
							grade 4 events	2774	2700	2771	2944	2155	5611
								2%	2%	2%	2%	1%	4%
							grade 5 events	3199	2994	2951	3483	6348	8146
								3%	3%	3%	3%	4%	6%
							grade 6 events	7074	7653	6756	6711	35346	32570
								7%	8%	7%	6%	26%	25%
							grade 7 events	50351	49202	50737	53655	53213	49135
								52%	51%	52%	53%	40%	38%

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	249.986867211254	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	0.0129406339590416	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	130.9927041557246	[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)	453083701.670553	453083700.64555			
Observation start date	2012-05-11T00:35:02	2012-05-11T00:35:00			
[s] Observation end time (MET)	453094029.571101	453094028.5461			
Observation end date	2012-05-11T03:27:10	2012-05-11T03:27:08			
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)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2775383501053

A.2 Comments