

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61242 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 4 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

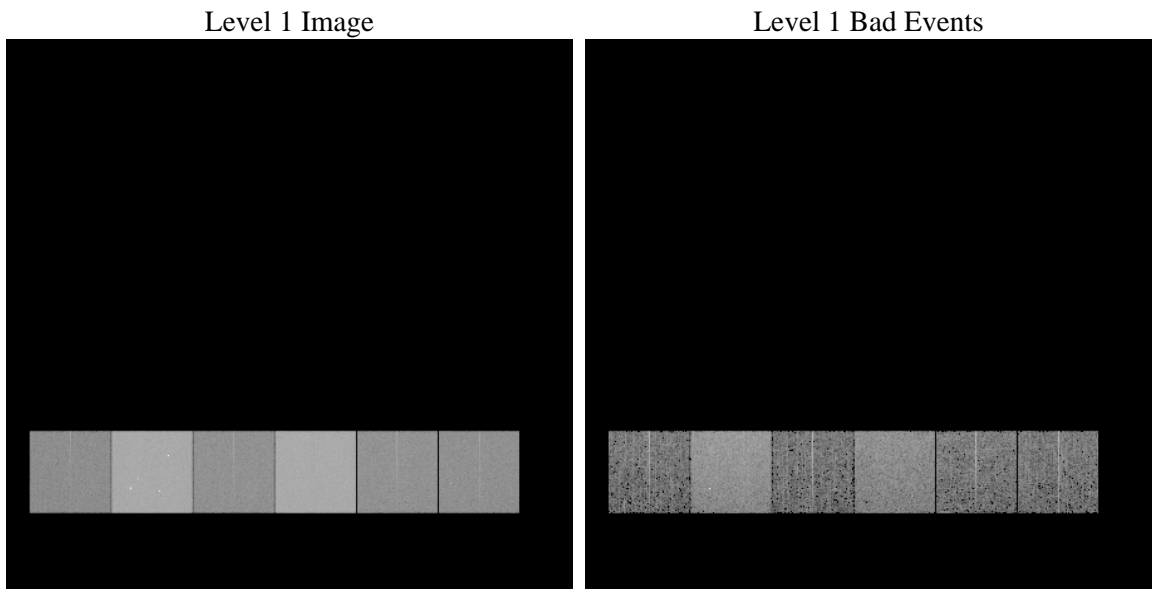
1 Front

seq_num	 	Sequence number
obs_id	61242	Observation id
title	ACIS-456789 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	247.98364711153	Nominal RA [deg]
dec_nom	-7.9763859868851	Nominal Dec [deg]
roll_nom	91.595139847179	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7334.3989214897	Sum of GTIs [s]
livetime	7241.526346101	Livetime [s]
ontime4	2646.6243523955	Sum of GTIs [s]
ontime5	7890.6239785552	Sum of GTIs [s]
ontime6	2948.0814641118	Sum of GTIs [s]
ontime7	7334.3989214897	Sum of GTIs [s]
ontime8	2978.5125833154	Sum of GTIs [s]
ontime9	2870.4202021956	Sum of GTIs [s]
l2events	1316085	Number of level 2 events

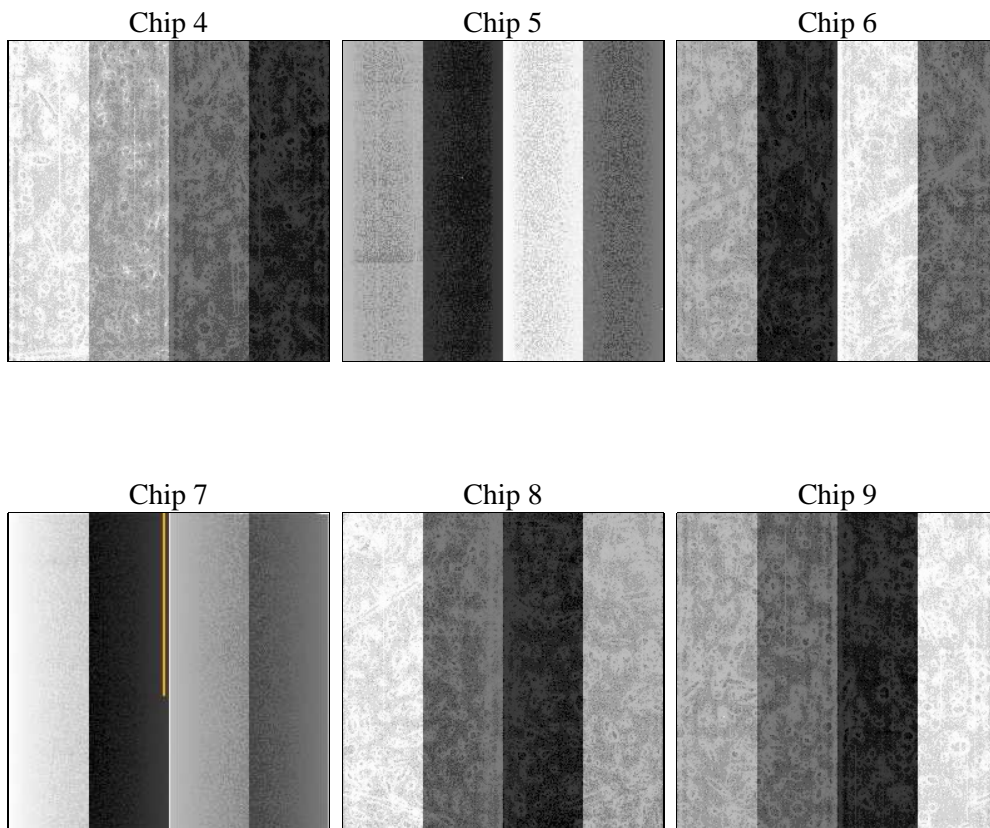
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7334.3989214897	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	2646.6243523955	Sum of GTIs [s]
date	2012-10-04T22:56:33	Date and time of file creation	ontime5	7890.6239785552	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2948.0814641118	Sum of GTIs [s]
			ontime7	7334.3989214897	Sum of GTIs [s]
			ontime8	2978.5125833154	Sum of GTIs [s]
			ontime9	2870.4202021956	Sum of GTIs [s]
			l1events	1570162	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	155952	432292	182266	439051	187263	173338	grade 0 events	76119	91776	87736	100550	89479	82587
rejected events	22601	57871	22397	42453	25039	23629		48%	21%	48%	22%	47%	47%
rejected %	14%	13%	12%	9%	13%	13%	grade 1 events	381	307	430	246	414	445
								0%	0%	0%	0%	0%	0%
							grade 2 events	23610	134166	27733	88300	28829	26612
								15%	31%	15%	20%	15%	15%
							grade 3 events	8315	23609	9906	40802	10383	9321
								5%	5%	5%	9%	5%	5%
							grade 4 events	8149	23677	10016	39962	10532	9336
								5%	5%	5%	9%	5%	5%
							grade 5 events	1292	10213	1670	8126	1777	1723
								0%	2%	0%	1%	0%	0%
							grade 6 events	17938	103527	25348	129514	24045	22725
								11%	23%	13%	29%	12%	13%
							grade 7 events	20148	45017	19427	31551	21804	20589
								12%	10%	10%	7%	11%	11%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	247.9836471115331	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-7.97638598688509	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	91.59513984717947			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	134360026.027	134360025.0026			
Observation start date	2002-04-05T02:13:46	2002-04-05T02:13:45			
[s] Observation end time (MET)	134381335.778	134381334.75346			
Observation end date	2002-04-05T08:08:56	2002-04-05T08:08:54			
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)	2012.10.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.3343989214897

A.2 Comments