

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61141 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 10 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

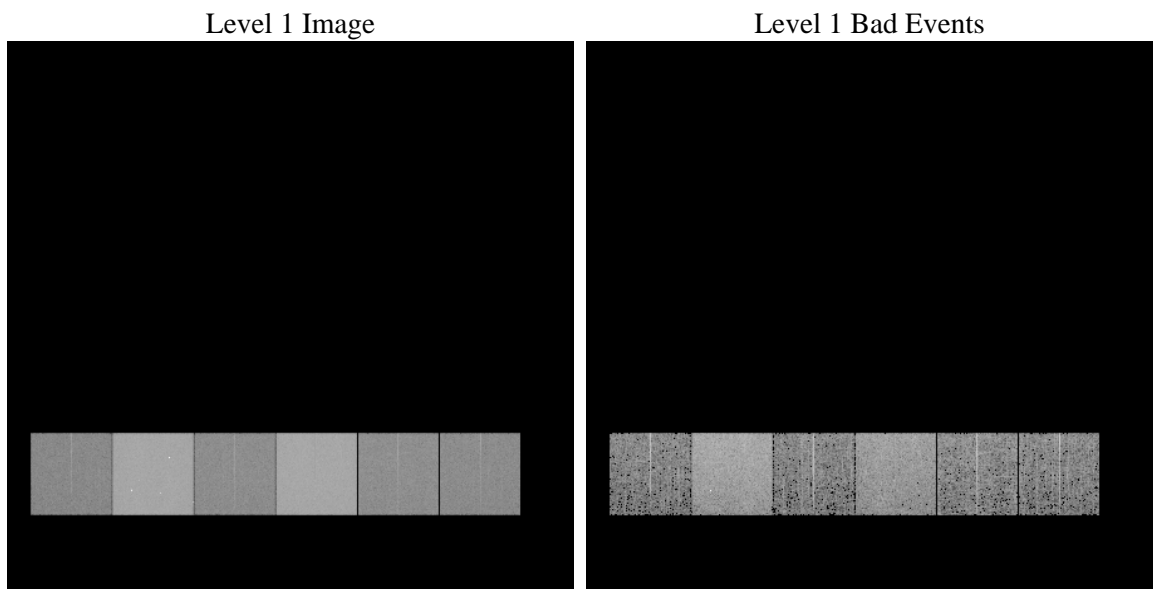
1 Front

seq_num	 	Sequence number
obs_id	61141	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	259.00002094001	Nominal RA [deg]
dec_nom	-10.028624112073	Nominal Dec [deg]
roll_nom	237.26298280312	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7224.8316334486	Sum of GTIs [s]
livetime	7133.3464650345	Livetime [s]
ontime4	2499.4744940698	Sum of GTIs [s]
ontime5	7753.10841766	Sum of GTIs [s]
ontime6	2794.4082962573	Sum of GTIs [s]
ontime7	7224.8316334486	Sum of GTIs [s]
ontime8	2873.734197855	Sum of GTIs [s]
ontime9	2719.8648748994	Sum of GTIs [s]
l2events	1210401	Number of level 2 events

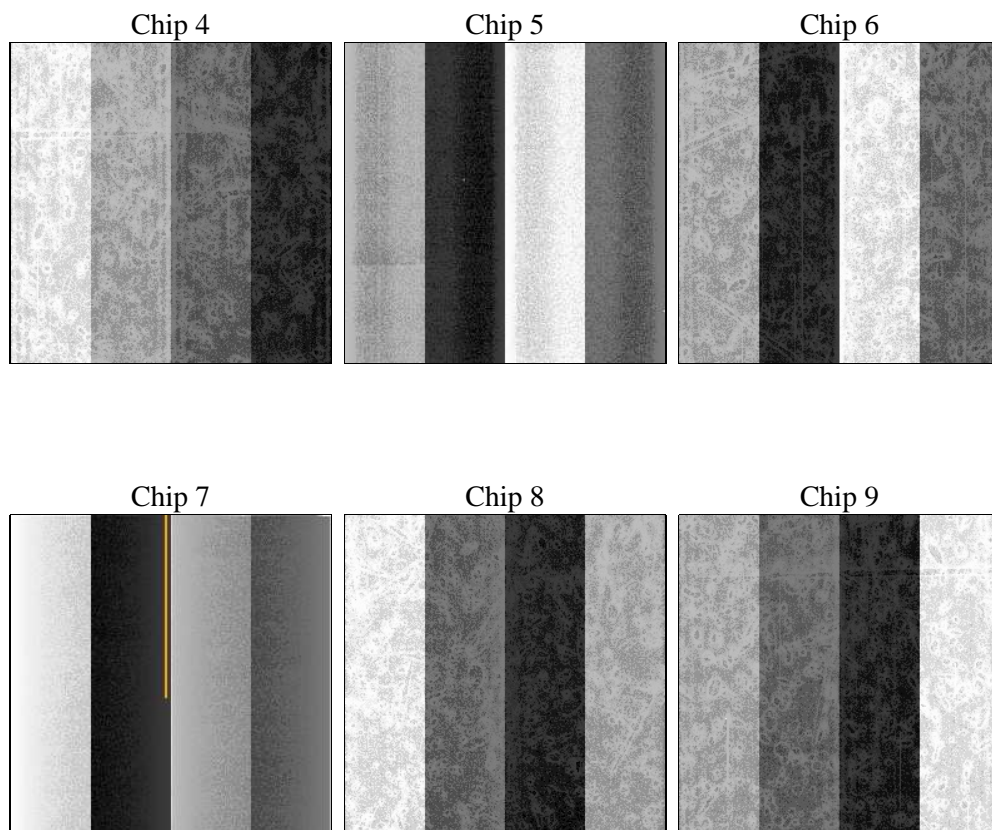
2 OBI

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	7224.8316334486	Sum of GTIs [s]
caldbver	4.5.2	 	ontime4	2499.4744940698	Sum of GTIs [s]
date	2012-10-10T10:00:53	Date and time of file creation	ontime5	7753.10841766	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2794.4082962573	Sum of GTIs [s]
			ontime7	7224.8316334486	Sum of GTIs [s]
			ontime8	2873.734197855	Sum of GTIs [s]
			ontime9	2719.8648748994	Sum of GTIs [s]
			l1events	1445672	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	138808	404446	164117	410039	172808	155454	grade 0 events	66914	88218	77980	94041	81219	73027
rejected events	20487	53677	21134	39500	24531	21641		48%	21%	47%	22%	46%	46%
rejected %	14%	13%	12%	9%	14%	13%	grade 1 events	354	421	404	280	393	383
								0%	0%	0%	0%	0%	0%
							grade 2 events	20949	122125	24818	82327	26098	23914
								15%	30%	15%	20%	15%	15%
							grade 3 events	7277	22869	8879	37675	9456	8282
								5%	5%	5%	9%	5%	5%
							grade 4 events	7306	22271	8868	37707	9552	8285
								5%	5%	5%	9%	5%	5%
							grade 5 events	1258	9707	1519	7934	1696	1558
								0%	2%	0%	1%	0%	1%
							grade 6 events	15875	95286	22438	118789	21952	20305
								11%	23%	13%	28%	12%	13%
							grade 7 events	18875	43549	19211	31286	22442	19700
								13%	10%	11%	7%	12%	12%

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	259.0000209400128	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-10.0286241120735	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	237.2629828031234			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	142099657.843149	142099656.81843			
Observation start date	2002-07-03T16:07:38	2002-07-03T16:07:36			
[s] Observation end time (MET)	142117304.243873	142117303.21916			
Observation end date	2002-07-03T21:01:44	2002-07-03T21:01:43			
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)	2012.10.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.2248316334486

A.2 Comments