

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 59357 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Mar 7 2013

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

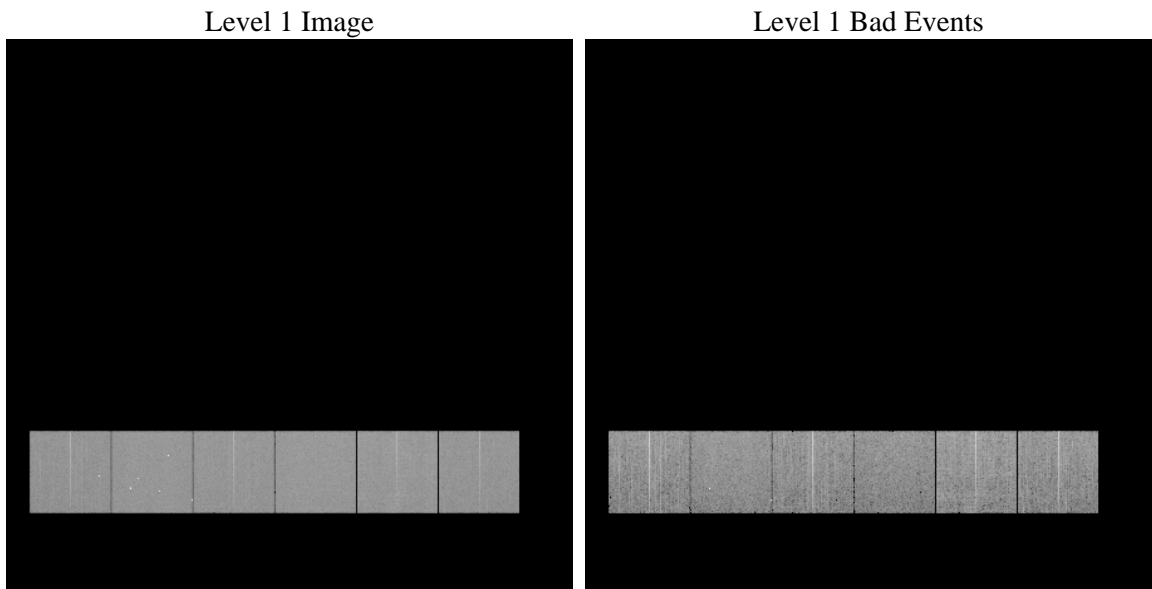
1 Front

seq_num	 	Sequence number
obs_id	59357	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	23.975322222718	Nominal RA [deg]
dec_nom	42.977507976357	Nominal Dec [deg]
roll_nom	203.7297881422	Nominal Roll [deg]
revision	4	Processing version of data
ontime	7798.3999709487	Sum of GTIs [s]
livetime	7699.6519348838	Livetime [s]
ontime4	7166.409003526	Sum of GTIs [s]
ontime5	7798.3999709487	Sum of GTIs [s]
ontime6	7598.5845481753	Sum of GTIs [s]
ontime7	7798.3999709487	Sum of GTIs [s]
ontime8	7733.5803349018	Sum of GTIs [s]
ontime9	7432.1695166528	Sum of GTIs [s]
l2events	973124	Number of level 2 events

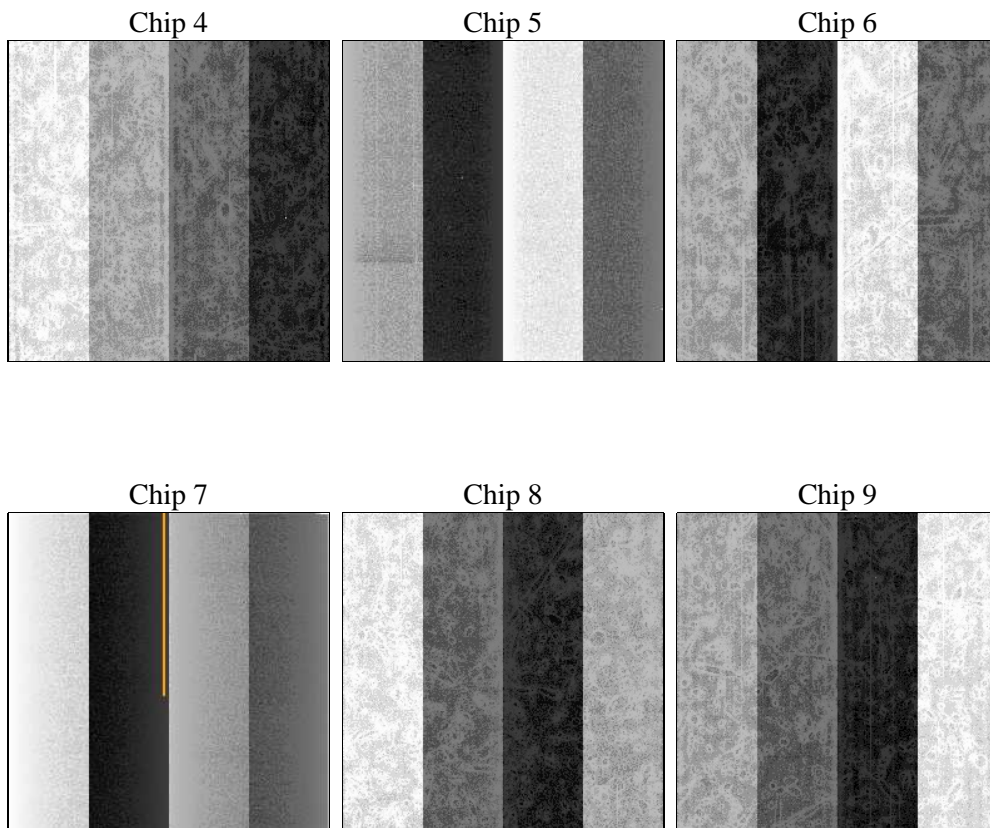
2 OBI

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	8.5.1.1	Processing system revision	ontime	7798.3999709487	Sum of GTIs [s]
caldsver	4.5.6	 	ontime4	7166.409003526	Sum of GTIs [s]
date	2013-03-07T06:49:15	Date and time of file creation	ontime5	7798.3999709487	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	7598.5845481753	Sum of GTIs [s]
			ontime7	7798.3999709487	Sum of GTIs [s]
			ontime8	7733.5803349018	Sum of GTIs [s]
			ontime9	7432.1695166528	Sum of GTIs [s]
			l1events	1399758	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	212908	239414	231417	244948	249945	221126	grade 0 events	88166	40575	93178	45674	97166	88715
rejected events	60573	56710	58802	49934	67434	58618		41%	16%	40%	18%	38%	40%
rejected %	28%	23%	25%	20%	26%	26%	grade 1 events	704	440	515	175	510	575
								0%	0%	0%	0%	0%	0%
							grade 2 events	23968	64996	29883	42914	32433	28149
								11%	27%	12%	17%	12%	12%
							grade 3 events	10315	10255	10818	19504	12444	10411
								4%	4%	4%	7%	4%	4%
							grade 4 events	10173	10090	10917	18949	12012	10496
								4%	4%	4%	7%	4%	4%
							grade 5 events	3368	8902	3724	8791	4573	3942
								1%	3%	1%	3%	1%	1%
							grade 6 events	19713	56874	27819	68049	28456	24807
								9%	23%	12%	27%	11%	11%
							grade 7 events	56501	47282	54563	40892	62351	54031
								26%	19%	23%	16%	24%	24%

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	23.97532222271821	Alternating exposures requested	N	N
[deg] Pointing Dec	0	42.97750797635713	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	203.7297881422006			
[mm] SIM focus pos	-0.684267	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	247185220.834617	247185219.80961			
Observation start date	2005-10-31T22:33:41	2005-10-31T22:33:39			
[s] Observation end time (MET)	247206571.585601	247206570.5606			
Observation end date	2005-11-01T04:29:32	2005-11-01T04:29:30			
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)	2013.03.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7983999709487

A.2 Comments