

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51098 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 16 2016

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

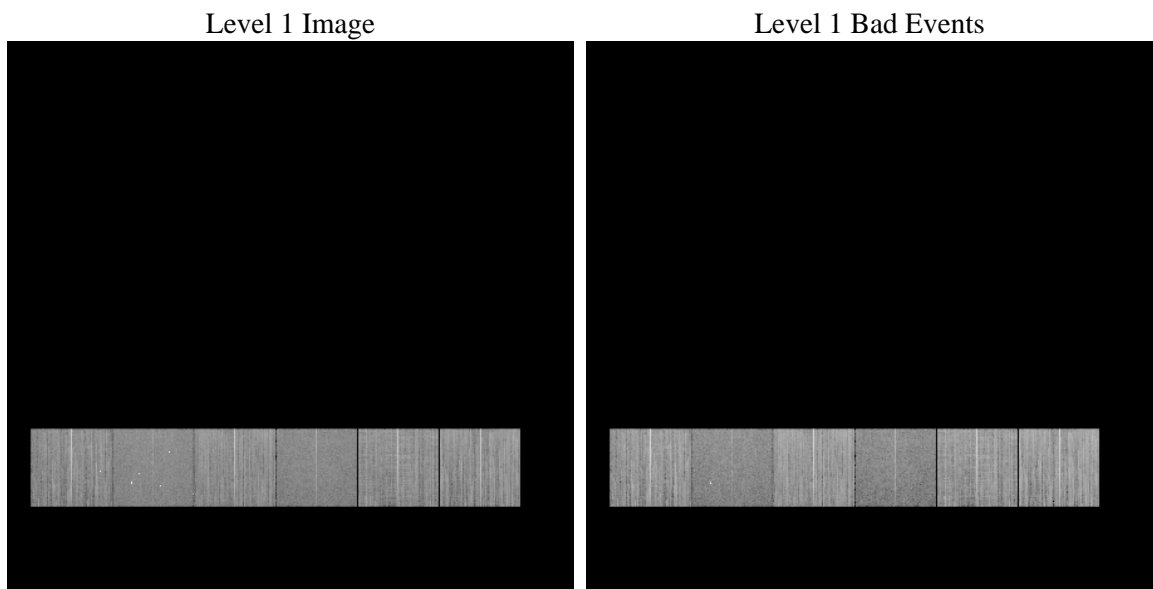
1 Front

seq_num	 	Sequence number
obs_id	51098	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	210.57157138715	Nominal RA [deg]
dec_nom	13.2914983907	Nominal Dec [deg]
roll_nom	164.01947095899	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8236.6540865898	Sum of GTIs [s]
livetime	8132.3566130278	Livetime [s]
ontime4	8236.5309665203	Sum of GTIs [s]
ontime5	8236.6130465269	Sum of GTIs [s]
ontime6	8236.5720065832	Sum of GTIs [s]
ontime7	8236.6540865898	Sum of GTIs [s]
ontime8	8236.4899265766	Sum of GTIs [s]
ontime9	8236.6951265335	Sum of GTIs [s]
l2events	176627	Number of level 2 events

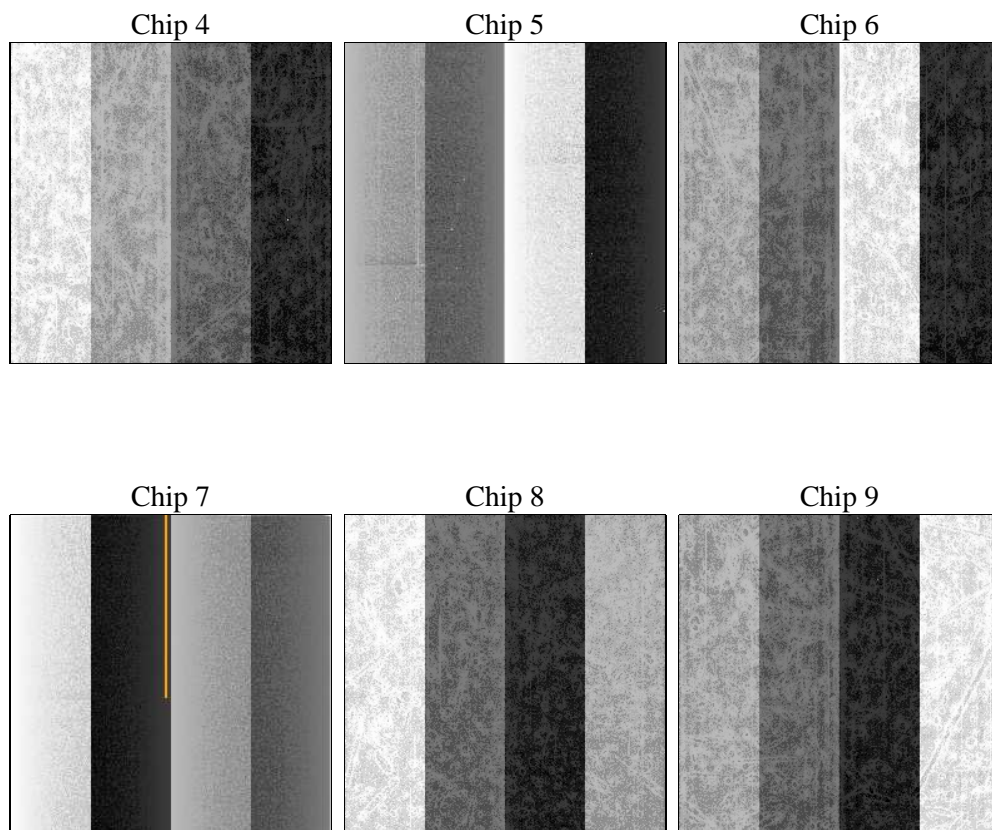
2 OBI

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	10.4.3.1	Processing system revision	ontime	8236.6540865898	Sum of GTIs [s]
caldbver	4.7.1	 	ontime4	8236.5309665203	Sum of GTIs [s]
date	2016-04-17T00:13:14	Date and time of file creation	ontime5	8236.6130465269	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8236.5720065832	Sum of GTIs [s]
			ontime7	8236.6540865898	Sum of GTIs [s]
			ontime8	8236.4899265766	Sum of GTIs [s]
			ontime9	8236.6951265335	Sum of GTIs [s]
			l1events	988968	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	165058	145620	178727	128387	177010	194166	grade 0 events	11708	7877	8385	5197	12350	9094
rejected events	143364	84539	158452	78375	145214	174149		7%	5%	4%	4%	6%	4%
rejected %	86%	58%	88%	61%	82%	89%	grade 1 events	120	260	50	96	89	76
								0%	0%	0%	0%	0%	0%
							grade 2 events	4105	20878	5321	12608	7303	4481
								2%	14%	2%	9%	4%	2%
							grade 3 events	1495	1639	1308	3555	2691	1335
								0%	1%	0%	2%	1%	0%
							grade 4 events	1482	1526	1281	3360	2555	1420
								0%	1%	0%	2%	1%	0%
							grade 5 events	3615	6476	3215	7993	4573	3813
								2%	4%	1%	6%	2%	1%
							grade 6 events	2914	29189	3992	25309	6906	3695
								1%	20%	2%	19%	3%	1%
							grade 7 events	139619	77775	155175	70269	140543	170252
								84%	53%	86%	54%	79%	87%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	210.5715713871483
[deg] Pointing Dec	0	13.29149839070009
[deg] Pointing Roll	0.0	164.0194709589893
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	577123929.457821	577123928.43282
Observation start date	2016-04-15T16:12:09	2016-04-15T16:12:08
[s] Observation end time (MET)	577156881.159703	577156880.1346999
Observation end date	2016-04-16T01:21:21	2016-04-16T01:21:20
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.04.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2366540865898

A.2 Comments