

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51656 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 2 2015

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

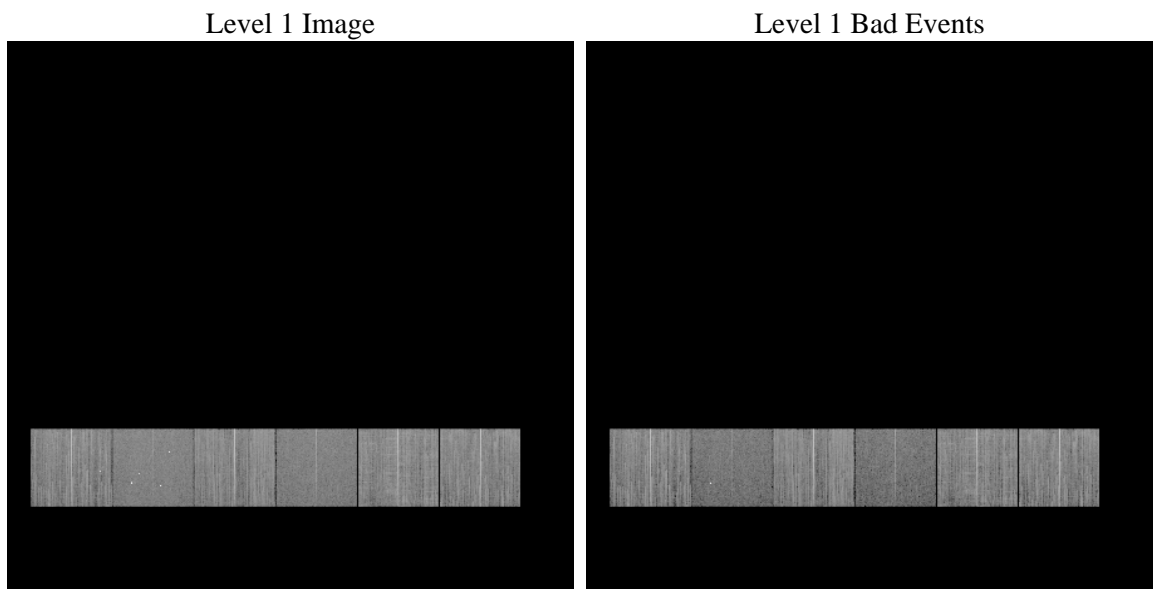
1 Front

seq_num	 	Sequence number
obs_id	51656	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	317.02258360194	Nominal RA [deg]
dec_nom	-16.018986624682	Nominal Dec [deg]
roll_nom	286.01219177116	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8344.8749797344	Sum of GTIs [s]
livetime	8239.2071480606	Livetime [s]
ontime4	8344.7518596649	Sum of GTIs [s]
ontime5	8344.8339396715	Sum of GTIs [s]
ontime6	8344.7928997278	Sum of GTIs [s]
ontime7	8344.8749797344	Sum of GTIs [s]
ontime8	8344.7108197212	Sum of GTIs [s]
ontime9	8344.9160196781	Sum of GTIs [s]
l2events	180467	Number of level 2 events

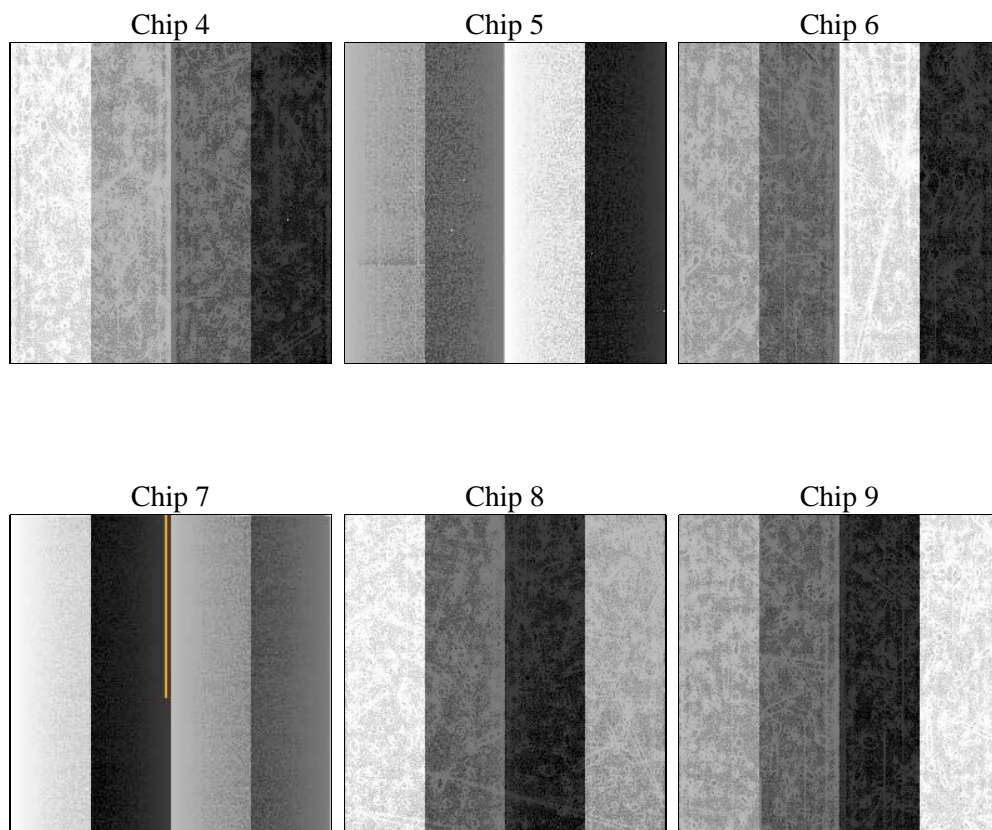
2 OBI

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	10.4.1	Processing system revision	ontime	8344.8749797344	Sum of GTIs [s]
caldbver	4.6.8	 	ontime4	8344.7518596649	Sum of GTIs [s]
date	2015-09-02T06:29:07	Date and time of file creation	ontime5	8344.8339396715	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8344.7928997278	Sum of GTIs [s]
			ontime7	8344.8749797344	Sum of GTIs [s]
			ontime8	8344.7108197212	Sum of GTIs [s]
			ontime9	8344.9160196781	Sum of GTIs [s]
			l1events	927387	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	158448	141555	166800	123610	173504	163470	grade 0 events	12132	9372	10059	5522	13278	10398
rejected events	135844	82239	144479	75014	141120	141584		7%	6%	6%	4%	7%	6%
rejected %	85%	58%	86%	60%	81%	86%	grade 1 events	113	195	55	103	76	76
								0%	0%	0%	0%	0%	0%
							grade 2 events	4440	19743	5426	12185	7162	4742
								2%	13%	3%	9%	4%	2%
							grade 3 events	1606	1640	1373	3574	2695	1601
								1%	1%	0%	2%	1%	0%
							grade 4 events	1551	1503	1477	3494	2611	1506
								0%	1%	0%	2%	1%	0%
							grade 5 events	3266	6005	3015	7656	4373	3681
								2%	4%	1%	6%	2%	2%
							grade 6 events	3118	27737	4260	24371	6962	3910
								1%	19%	2%	19%	4%	2%
							grade 7 events	132222	75360	141135	66705	136347	137556
								83%	53%	84%	53%	78%	84%

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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	317.0225836019435	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-16.01898662468214	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	286.0121917711628	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	557518801.82054	557518800.79554			
Observation start date	2015-09-01T18:20:02	2015-09-01T18:20:00			
[s] Observation end time (MET)	557528982.121114	557528981.09611			
Observation end date	2015-09-01T21:09:42	2015-09-01T21:09:41			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.09.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3448749797344

A.2 Comments