

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51525 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 4 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

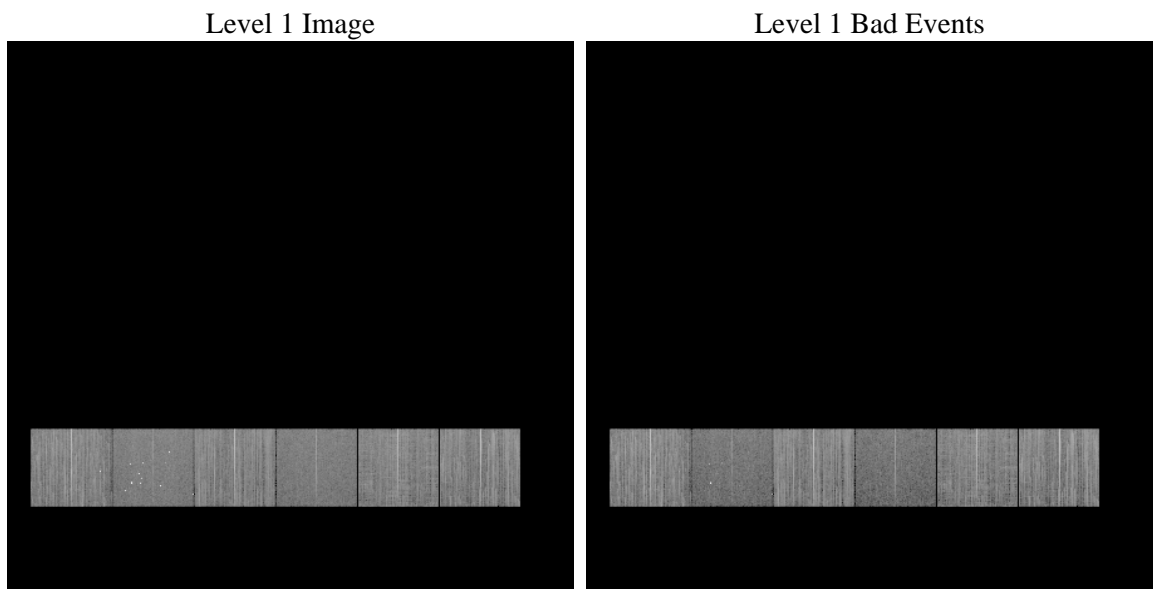
1 Front

seq_num	 	Sequence number
obs_id	51525	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	15.505085984119	Nominal RA [deg]
dec_nom	26.971484710175	Nominal Dec [deg]
roll_nom	246.22959438478	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8338.5412122011	Sum of GTIs [s]
livetime	8232.9535825055	Livetime [s]
ontime4	8338.4180921316	Sum of GTIs [s]
ontime5	8338.5001721382	Sum of GTIs [s]
ontime6	8335.2180113792	Sum of GTIs [s]
ontime7	8338.5412122011	Sum of GTIs [s]
ontime8	8338.3770521879	Sum of GTIs [s]
ontime9	8338.5822521448	Sum of GTIs [s]
l2events	177524	Number of level 2 events

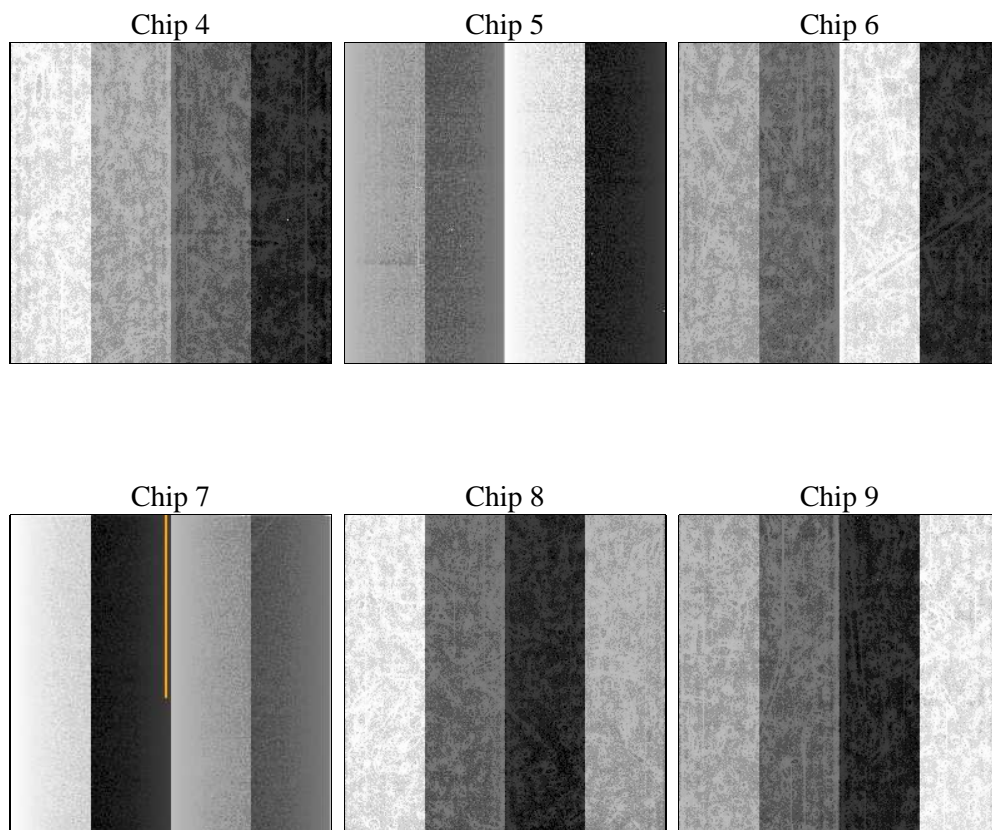
2 OBI

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	10.4.2.1	Processing system revision	ontime	8338.5412122011	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime4	8338.4180921316	Sum of GTIs [s]
date	2015-11-04T22:43:46	Date and time of file creation	ontime5	8338.5001721382	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8335.2180113792	Sum of GTIs [s]
			ontime7	8338.5412122011	Sum of GTIs [s]
			ontime8	8338.3770521879	Sum of GTIs [s]
			ontime9	8338.5822521448	Sum of GTIs [s]
			l1events	969325	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	178791	151768	171988	123342	167981	175455	grade 0 events	13152	14825	9260	5302	13002	9965
rejected events	155287	84418	150440	75004	135839	154217		7%	9%	5%	4%	7%	5%
rejected %	86%	55%	87%	60%	80%	87%	grade 1 events	114	310	52	107	80	75
								0%	0%	0%	0%	0%	0%
							grade 2 events	4400	21454	5557	12305	7376	4573
								2%	14%	3%	9%	4%	2%
							grade 3 events	1594	2113	1321	3400	2536	1564
								0%	1%	0%	2%	1%	0%
							grade 4 events	1529	1931	1405	3313	2470	1455
								0%	1%	0%	2%	1%	0%
							grade 5 events	3432	6416	3141	7406	4353	3659
								1%	4%	1%	6%	2%	2%
							grade 6 events	3095	27843	4234	24544	7073	3913
								1%	18%	2%	19%	4%	2%
							grade 7 events	151475	76876	147018	66965	131091	150251
								84%	50%	85%	54%	78%	85%

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	15.50508598411876	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	26.97148471017509	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	246.2295943847765	[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)	562999231.919318	562999230.89432			
Observation start date	2015-11-04T04:40:32	2015-11-04T04:40:30			
[s] Observation end time (MET)	563011782.020028	563011780.99503			
Observation end date	2015-11-04T08:09:42	2015-11-04T08:09:40			
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)	2015.11.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3385412122011

A.2 Comments