

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51553 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 20 2015

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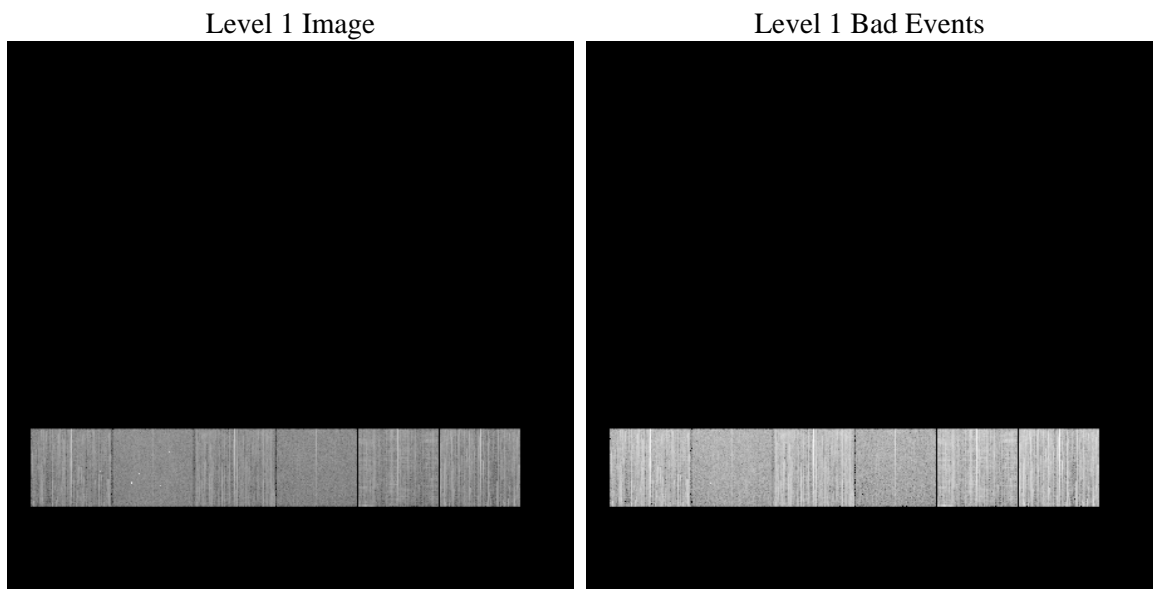
1 Front

seq_num	 	Sequence number
obs_id	51553	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	205.33169372841	Nominal RA [deg]
dec_nom	38.414675825873	Nominal Dec [deg]
roll_nom	357.68378363436	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5862.4000873566	Sum of GTIs [s]
livetime	5788.1668475369	Livetime [s]
ontime4	5862.4000873566	Sum of GTIs [s]
ontime5	5862.4000873566	Sum of GTIs [s]
ontime6	5862.4000873566	Sum of GTIs [s]
ontime7	5862.4000873566	Sum of GTIs [s]
ontime8	5862.4000873566	Sum of GTIs [s]
ontime9	5862.4000873566	Sum of GTIs [s]
l2events	128662	Number of level 2 events

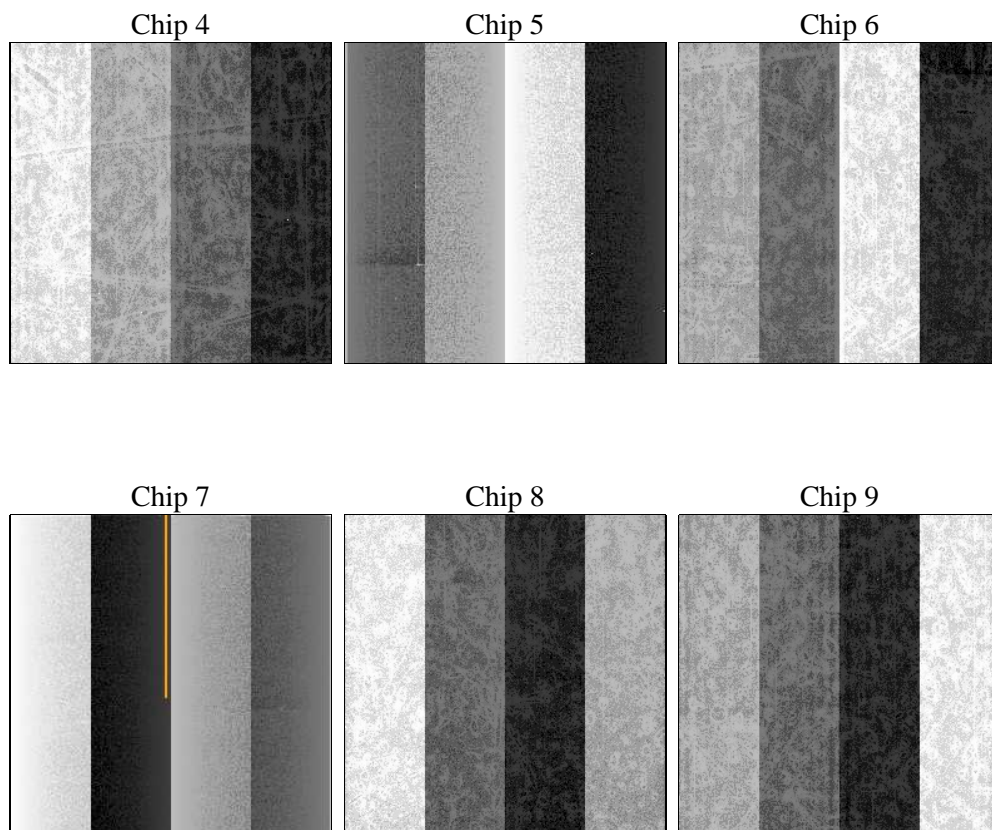
2 OBI

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	5862.4000873566	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime4	5862.4000873566	Sum of GTIs [s]
date	2015-10-20T12:53:23	Date and time of file creation	ontime5	5862.4000873566	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5862.4000873566	Sum of GTIs [s]
			ontime7	5862.4000873566	Sum of GTIs [s]
			ontime8	5862.4000873566	Sum of GTIs [s]
			ontime9	5862.4000873566	Sum of GTIs [s]
			l1events	634432	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	106218	94797	113234	85060	113842	121281	grade 0 events	8114	4854	7179	4054	9649	7294
rejected events	90847	53630	97291	50326	90554	105737		7%	5%	6%	4%	8%	6%
rejected %	85%	56%	85%	59%	79%	87%	grade 1 events	64	208	40	70	51	43
								0%	0%	0%	0%	0%	0%
							grade 2 events	3036	14816	3748	8553	4885	3270
								2%	15%	3%	10%	4%	2%
							grade 3 events	1120	1171	1063	2679	2078	1152
								1%	1%	0%	3%	1%	0%
							grade 4 events	1041	1178	1102	2582	1967	1159
								0%	1%	0%	3%	1%	0%
							grade 5 events	2333	4431	2255	5425	3068	2575
								2%	4%	1%	6%	2%	2%
							grade 6 events	2235	19572	3007	17234	4931	2827
								2%	20%	2%	20%	4%	2%
							grade 7 events	88275	48567	94840	44463	87213	102961
								83%	51%	83%	52%	76%	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	205.3316937284108	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	38.41467582587303	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	357.6837836343636	[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)	561631592.791962	561631591.76696			
Observation start date	2015-10-19T08:46:33	2015-10-19T08:46:31			
[s] Observation end time (MET)	561639251.5923949	561639250.5674			
Observation end date	2015-10-19T10:54:12	2015-10-19T10:54:10			
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)	2015.10.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.8624000873566

A.2 Comments