

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51610 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 26 2015

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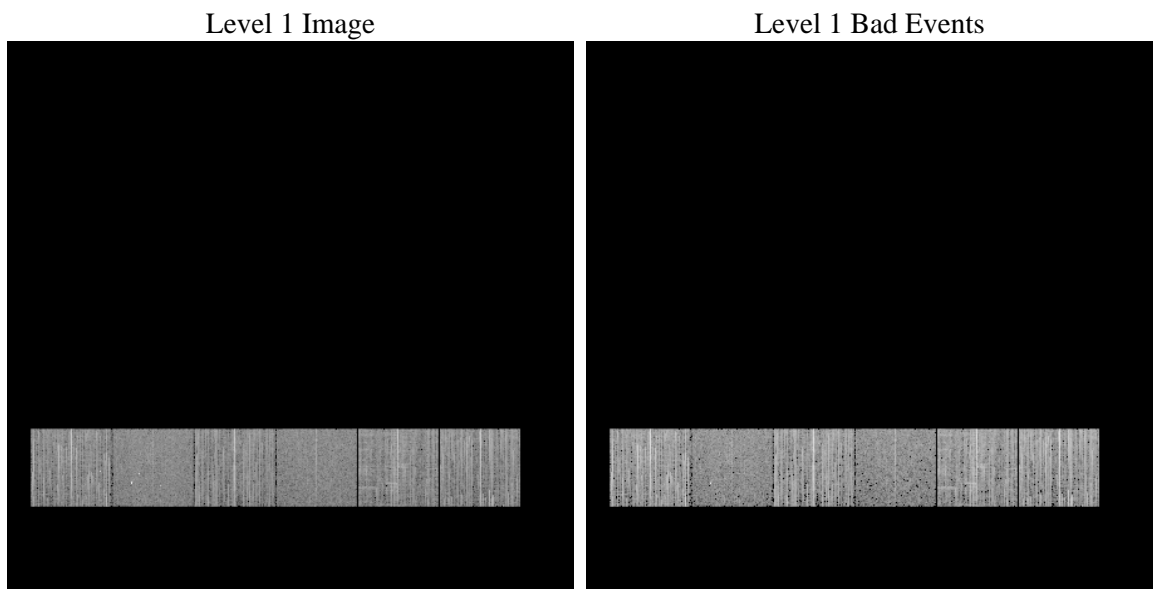
1 Front

seq_num	 	Sequence number
obs_id	51610	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	354.6300665625	Nominal RA [deg]
dec_nom	-22.292444364899	Nominal Dec [deg]
roll_nom	342.27233153476	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3457.8462340832	Sum of GTIs [s]
livetime	3414.0609030022	Livetime [s]
ontime4	3457.7231140137	Sum of GTIs [s]
ontime5	3457.8051940203	Sum of GTIs [s]
ontime6	3457.7641540766	Sum of GTIs [s]
ontime7	3457.8462340832	Sum of GTIs [s]
ontime8	3457.68207407	Sum of GTIs [s]
ontime9	3457.8872740269	Sum of GTIs [s]
l2events	75495	Number of level 2 events

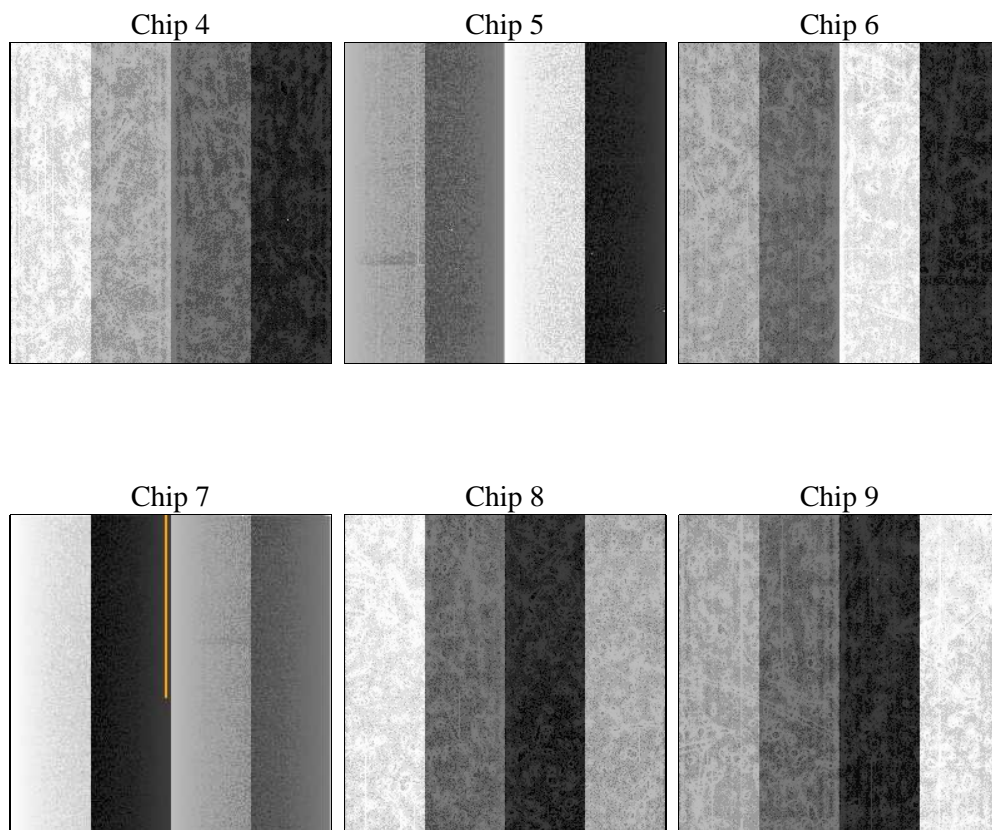
2 OBI

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	3457.8462340832	Sum of GTIs [s]
caldbver	4.6.8	 	ontime4	3457.7231140137	Sum of GTIs [s]
date	2015-09-27T00:46:16	Date and time of file creation	ontime5	3457.8051940203	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3457.7641540766	Sum of GTIs [s]
			ontime7	3457.8462340832	Sum of GTIs [s]
			ontime8	3457.68207407	Sum of GTIs [s]
			ontime9	3457.8872740269	Sum of GTIs [s]
			l1events	379105	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	70035	55036	64212	51154	66733	71935	grade 0 events	5013	2020	3976	2286	5521	4313
rejected events	60486	32085	54762	30819	53248	62515		7%	3%	6%	4%	8%	5%
rejected %	86%	58%	85%	60%	79%	86%	grade 1 events	45	66	23	29	29	32
								0%	0%	0%	0%	0%	0%
							grade 2 events	1849	8369	2443	5034	2992	2047
								2%	15%	3%	9%	4%	2%
							grade 3 events	689	676	591	1482	1094	669
								0%	1%	0%	2%	1%	0%
							grade 4 events	657	601	585	1461	1098	660
								0%	1%	0%	2%	1%	0%
							grade 5 events	1343	2612	1198	3018	1727	1521
								1%	4%	1%	5%	2%	2%
							grade 6 events	1341	11285	1855	10072	2780	1731
								1%	20%	2%	19%	4%	2%
							grade 7 events	59098	29407	53541	27772	51492	60962
								84%	53%	83%	54%	77%	84%

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	354.6300665625017
[deg] Pointing Dec	0	-22.29244436489863
[deg] Pointing Roll	0.0	342.2723315347636
[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)	559575698.925683	559575697.9006799
Observation start date	2015-09-25T13:41:39	2015-09-25T13:41:37
[s] Observation end time (MET)	559580879.2759759	559580878.25098
Observation end date	2015-09-25T15:07:59	2015-09-25T15:07:58
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.4578462340832

A.2 Comments