

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51665 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 29 2015

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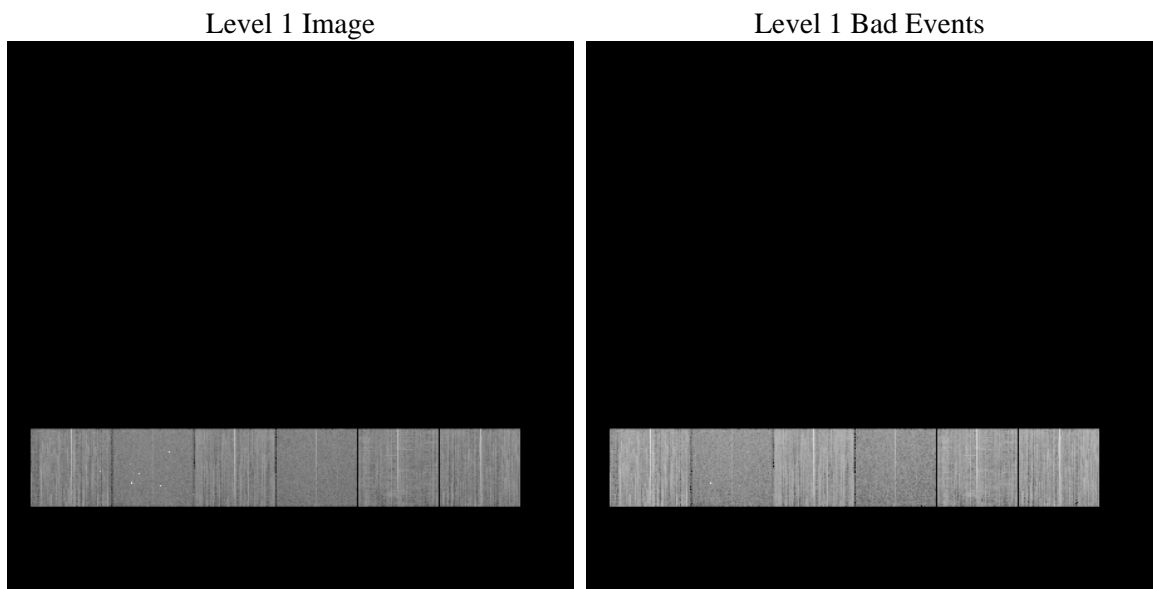
1 Front

seq_num	 	Sequence number
obs_id	51665	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	190.00800888241	Nominal RA [deg]
dec_nom	48.639859045565	Nominal Dec [deg]
roll_nom	315.07238715433	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7894.4001176357	Sum of GTIs [s]
livetime	7794.4364699092	Livetime [s]
ontime4	7894.4001176357	Sum of GTIs [s]
ontime5	7894.4001176357	Sum of GTIs [s]
ontime6	7894.4001176357	Sum of GTIs [s]
ontime7	7894.4001176357	Sum of GTIs [s]
ontime8	7891.1591073275	Sum of GTIs [s]
ontime9	7891.1591073275	Sum of GTIs [s]
l2events	186396	Number of level 2 events

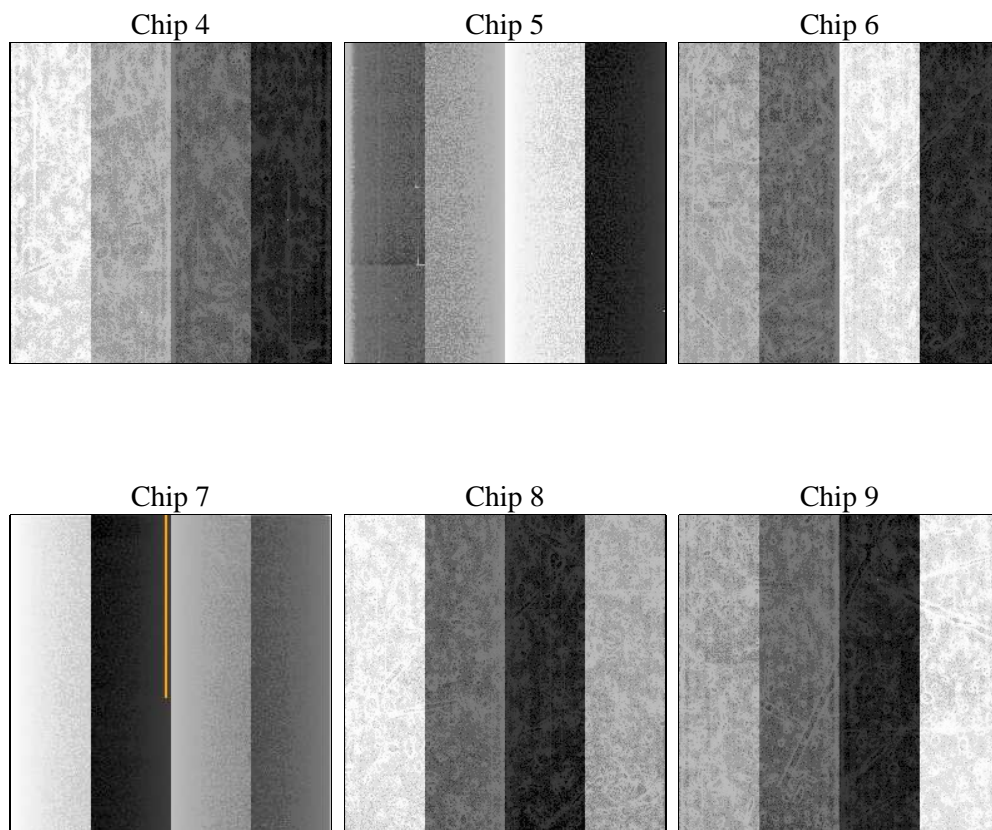
2 OBI

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	7894.4001176357	Sum of GTIs [s]
caldsver	4.6.8	 	ontime4	7894.4001176357	Sum of GTIs [s]
date	2015-08-29T23:39:18	Date and time of file creation	ontime5	7894.4001176357	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7894.4001176357	Sum of GTIs [s]
			ontime7	7894.4001176357	Sum of GTIs [s]
			ontime8	7891.1591073275	Sum of GTIs [s]
			ontime9	7891.1591073275	Sum of GTIs [s]
			l1events	904369	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	161824	138533	163567	120266	156556	163623	grade 0 events	12853	11715	11268	6273	14251	11631
rejected events	137923	76601	139450	71391	123470	139889		7%	8%	6%	5%	9%	7%
rejected %	85%	55%	85%	59%	78%	85%	grade 1 events	111	251	61	86	80	67
								0%	0%	0%	0%	0%	0%
							grade 2 events	4884	21796	5819	12504	7535	5236
								3%	15%	3%	10%	4%	3%
							grade 3 events	1808	1839	1612	3854	2626	1676
								1%	1%	0%	3%	1%	1%
							grade 4 events	1736	1694	1612	3637	2603	1655
								1%	1%	0%	3%	1%	1%
							grade 5 events	3220	6094	3114	7423	4017	3567
								1%	4%	1%	6%	2%	2%
							grade 6 events	3722	26804	4885	24234	7368	4627
								2%	19%	2%	20%	4%	2%
							grade 7 events	133490	68340	135196	62255	118076	135164
								82%	49%	82%	51%	75%	82%

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	190.0080088824054
[deg] Pointing Dec	0	48.63985904556451
[deg] Pointing Roll	0.0	315.0723871543298
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	557247586.805228	557247586.805228
Observation start date	2015-08-29T14:59:47	2015-08-29T14:59:46
[s] Observation end time (MET)	557256794.026708	557256794.026708
Observation end date	2015-08-29T17:33:14	2015-08-29T17:33:14
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8944001176357

A.2 Comments