

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 52012 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 16 2015

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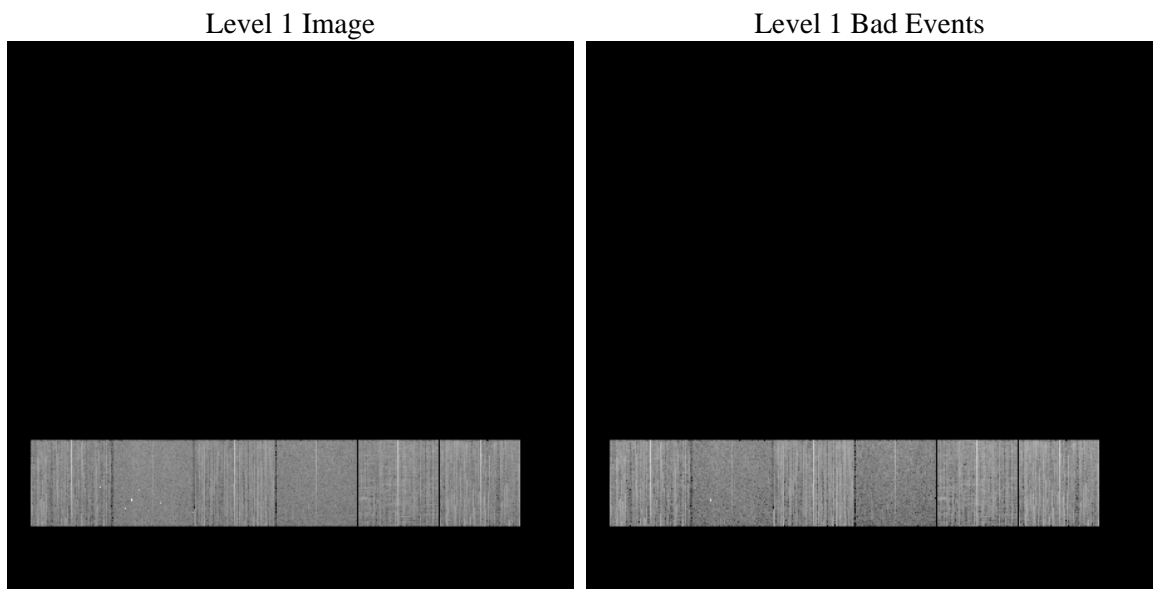
1 Front

seq_num	 	Sequence number
obs_id	52012	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	187.46852749346	Nominal RA [deg]
dec_nom	23.398387317637	Nominal Dec [deg]
roll_nom	150.53061777069	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6726.4001002312	Sum of GTIs [s]
livetime	6641.2263720102	Livetime [s]
ontime4	6726.3511027098	Sum of GTIs [s]
ontime5	6726.4001002312	Sum of GTIs [s]
ontime6	6726.3921427727	Sum of GTIs [s]
ontime7	6726.4001002312	Sum of GTIs [s]
ontime8	6726.3100627661	Sum of GTIs [s]
ontime9	6726.4001002312	Sum of GTIs [s]
l2events	142446	Number of level 2 events

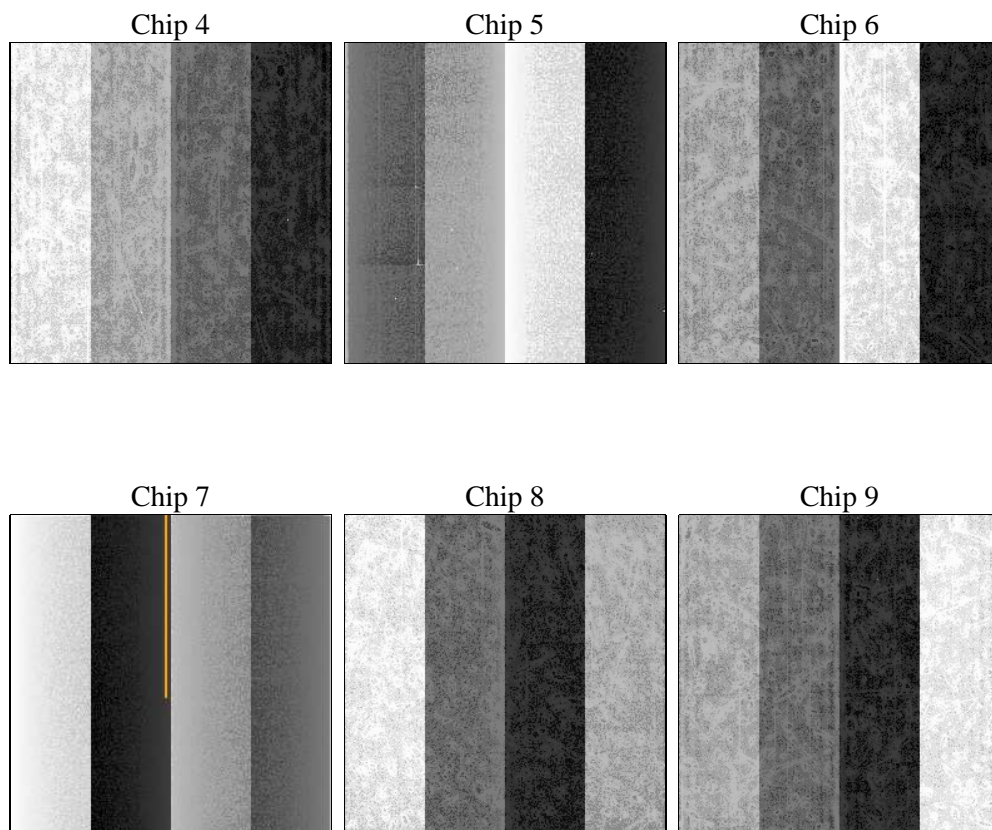
2 OBI

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	10.3.3	Processing system revision	ontime	6726.4001002312	Sum of GTIs [s]
caldsver	4.6.7	 	ontime4	6726.3511027098	Sum of GTIs [s]
date	2015-03-17T03:14:59	Date and time of file creation	ontime5	6726.4001002312	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	6726.3921427727	Sum of GTIs [s]
			ontime7	6726.4001002312	Sum of GTIs [s]
			ontime8	6726.3100627661	Sum of GTIs [s]
			ontime9	6726.4001002312	Sum of GTIs [s]
			l1events	653812	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	111901	97409	117769	88025	116257	122451	grade 0 events	10742	3986	8021	4379	10527	8692
rejected events	92638	55618	99111	51343	90695	103903		9%	4%	6%	4%	9%	7%
rejected %	82%	57%	84%	58%	78%	84%	grade 1 events	87	118	30	60	45	52
								0%	0%	0%	0%	0%	0%
							grade 2 events	3649	15589	5038	9219	5947	4124
								3%	16%	4%	10%	5%	3%
							grade 3 events	1230	1155	1051	2612	1973	1293
								1%	1%	0%	2%	1%	1%
							grade 4 events	1255	1123	1079	2583	1869	1271
								1%	1%	0%	2%	1%	1%
							grade 5 events	2269	4193	2116	5179	2899	2466
								2%	4%	1%	5%	2%	2%
							grade 6 events	2468	20150	3573	18080	5369	3257
								2%	20%	3%	20%	4%	2%
							grade 7 events	90201	51095	96861	45913	87628	101296
								80%	52%	82%	52%	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	187.4685274934568
[deg] Pointing Dec	0	23.39838731763722
[deg] Pointing Roll	0.0	150.5306177706928
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	542892344.14898	542892343.12398
Observation start date	2015-03-16T11:25:44	2015-03-16T11:25:43
[s] Observation end time (MET)	542899717.999392	542899716.97439
Observation end date	2015-03-16T13:28:38	2015-03-16T13:28:36
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)	2015.03.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.7264001002312

A.2 Comments