

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 51870 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 24 2015

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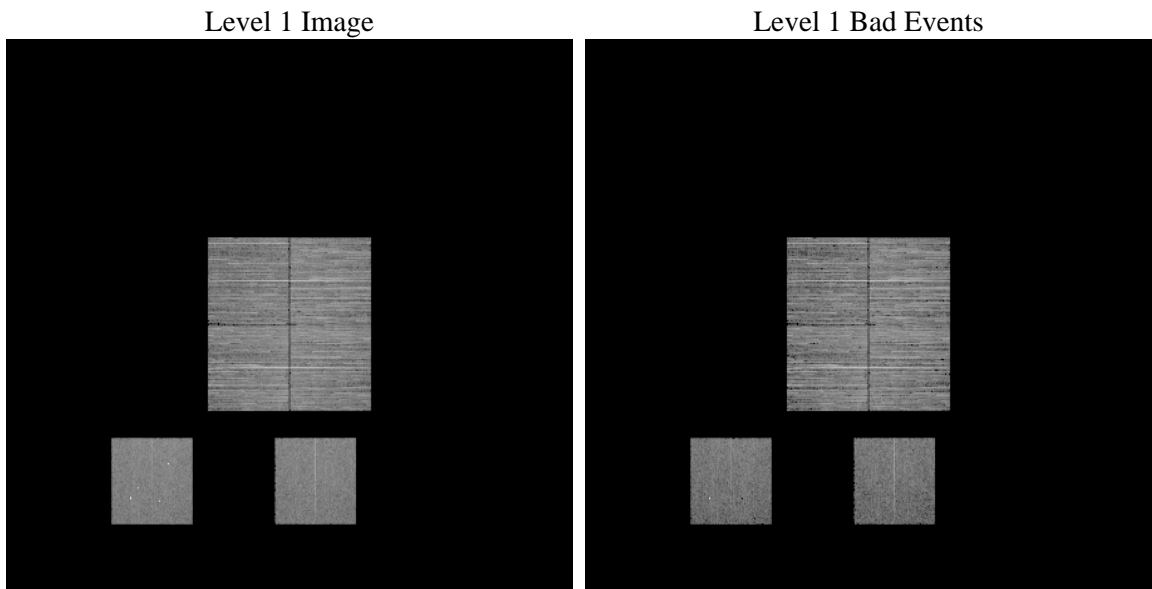
1 Front

seq_num	 	Sequence number
obs_id	51870	Observation id
title	ACIS-012357 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	270.99695387893	Nominal RA [deg]
dec_nom	-19.977334731855	Nominal Dec [deg]
roll_nom	96.762139802836	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6086.4000906944	Sum of GTIs [s]
livetime	6009.3304279559	Livetime [s]
ontime0	6083.1590803862	Sum of GTIs [s]
ontime1	6086.4000906944	Sum of GTIs [s]
ontime2	6086.4000906944	Sum of GTIs [s]
ontime3	6086.4000906944	Sum of GTIs [s]
ontime5	6086.4000906944	Sum of GTIs [s]
ontime7	6086.4000906944	Sum of GTIs [s]
l2events	130716	Number of level 2 events

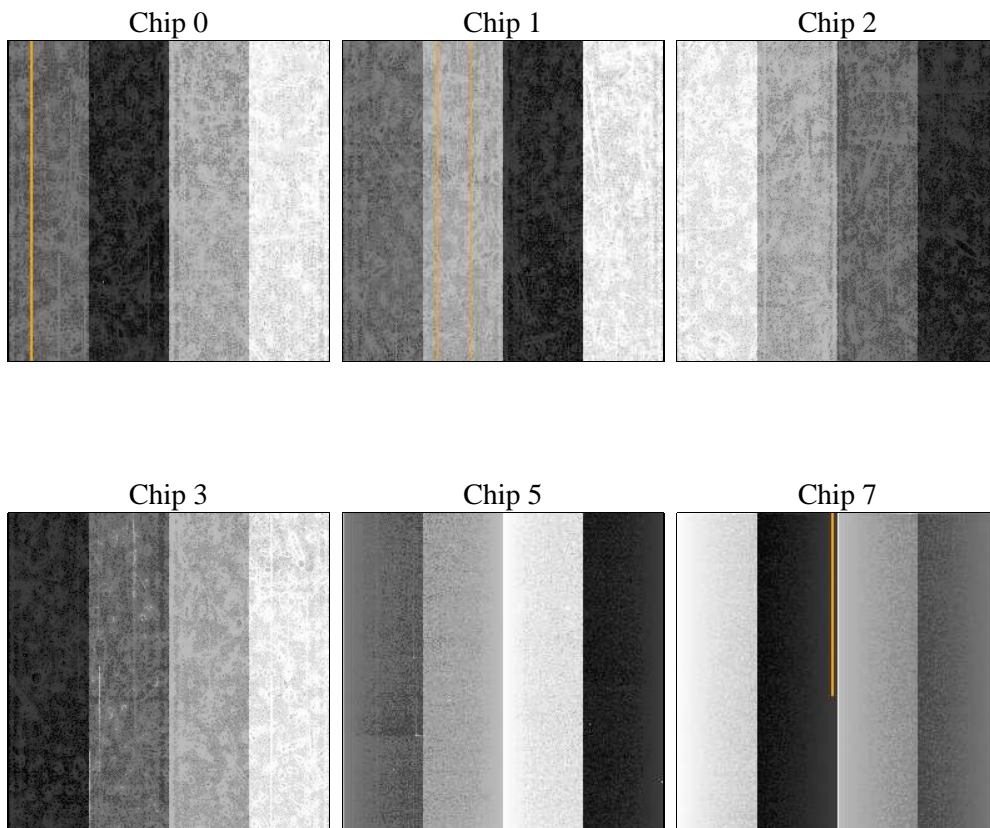
2 OBI

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	6086.4000906944	Sum of GTIs [s]
caldsver	4.6.7	 	ontime0	6083.1590803862	Sum of GTIs [s]
date	2015-05-24T14:24:57	Date and time of file creation	ontime1	6086.4000906944	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6086.4000906944	Sum of GTIs [s]
			ontime3	6086.4000906944	Sum of GTIs [s]
			ontime5	6086.4000906944	Sum of GTIs [s]
			ontime7	6086.4000906944	Sum of GTIs [s]
			l1events	606306	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	93291	115075	107439	109897	94689	85915	grade 0 events	8007	7718	8247	8268	5538	4440
rejected events	77218	98859	91104	93725	54474	50699		8%	6%	7%	7%	5%	5%
rejected %	82%	85%	84%	85%	57%	59%	grade 1 events	37	55	50	74	100	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	3390	3610	3333	3276	14059	8880
								3%	3%	3%	2%	14%	10%
							grade 3 events	1137	1112	1135	1163	1252	2732
								1%	0%	1%	1%	1%	3%
							grade 4 events	1122	1145	1156	1202	1224	2729
								1%	0%	1%	1%	1%	3%
							grade 5 events	2056	1984	1932	2265	4433	5430
								2%	1%	1%	2%	4%	6%
							grade 6 events	2690	2905	2711	2530	18798	17002
								2%	2%	2%	2%	19%	19%
							grade 7 events	74852	96546	88875	91119	49285	44630
								80%	83%	82%	82%	52%	51%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	270.9969538789255
[deg] Pointing Dec	0	-19.97733473185487
[deg] Pointing Roll	0.0	96.76213980283624
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	548830622.531719	548830621.5067199
Observation start date	2015-05-24T04:57:03	2015-05-24T04:57:01
[s] Observation end time (MET)	548840683.932284	548840682.90728
Observation end date	2015-05-24T07:44:44	2015-05-24T07:44:42
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)	2015.05.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.0864000906944

A.2 Comments