

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 51950 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 17 2015

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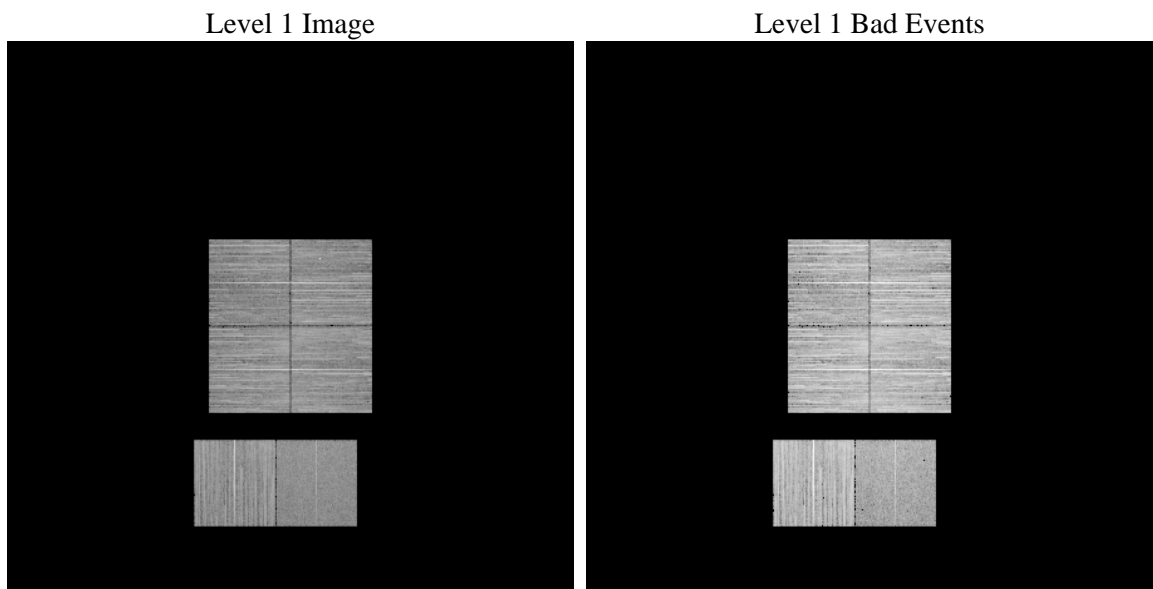
1 Front

seq_num	 	Sequence number
obs_id	51950	Observation id
title	ACIS-012367 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	5.3469651358999	Nominal RA [deg]
dec_nom	69.0235138238	Nominal Dec [deg]
roll_nom	21.692907448699	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8130.6317692995	Sum of GTIs [s]
livetime	8027.6768141579	Livetime [s]
ontime0	8130.5907292366	Sum of GTIs [s]
ontime1	8130.5496892929	Sum of GTIs [s]
ontime2	8130.50864923	Sum of GTIs [s]
ontime3	8130.6728092432	Sum of GTIs [s]
ontime6	8130.4676092863	Sum of GTIs [s]
ontime7	8130.6317692995	Sum of GTIs [s]
l2events	146277	Number of level 2 events

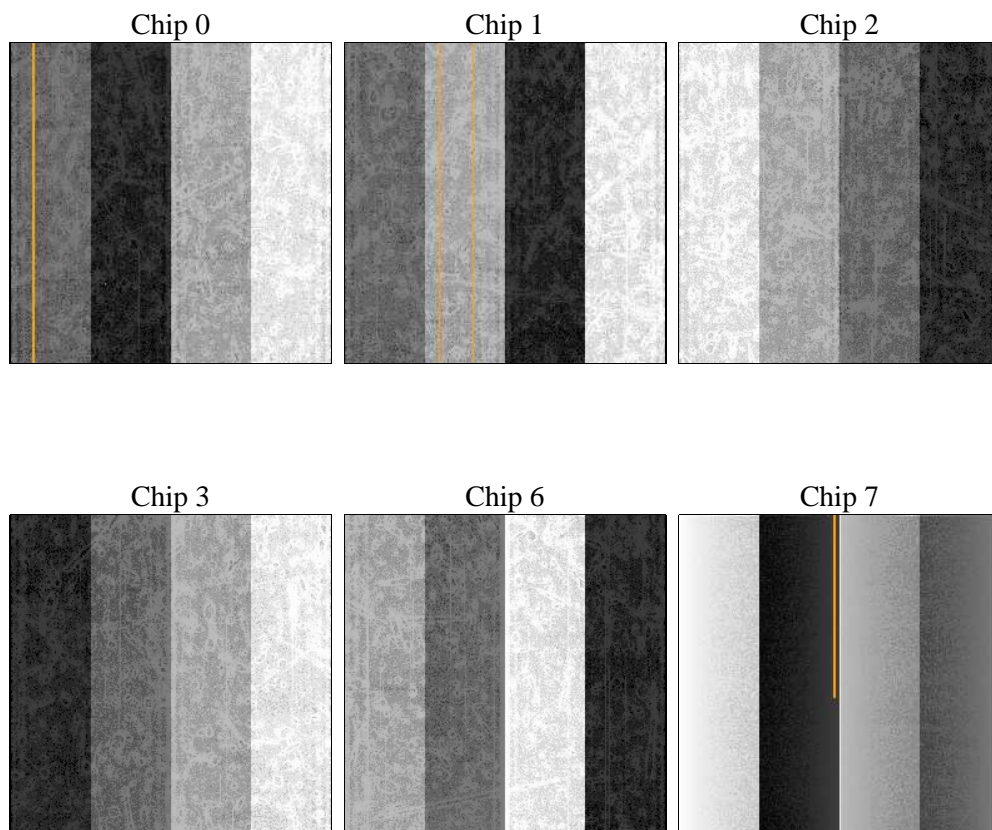
2 OBI

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	8130.6317692995	Sum of GTIs [s]
caldbver	4.6.7	 	ontime0	8130.5907292366	Sum of GTIs [s]
date	2015-04-17T12:08:28	Date and time of file creation	ontime1	8130.5496892929	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8130.50864923	Sum of GTIs [s]
			ontime3	8130.6728092432	Sum of GTIs [s]
			ontime6	8130.4676092863	Sum of GTIs [s]
			ontime7	8130.6317692995	Sum of GTIs [s]
			l1events	771985	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	112864	133584	142298	140227	135017	107995	grade 0 events	10924	11768	11125	11327	11146	6096
rejected events	91149	110514	120588	118561	112279	62328		9%	8%	7%	8%	8%	5%
rejected %	80%	82%	84%	84%	83%	57%	grade 1 events	56	52	61	64	48	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	4543	4832	4407	4223	4724	11345
								4%	3%	3%	3%	3%	10%
							grade 3 events	1593	1459	1499	1536	1525	3749
								1%	1%	1%	1%	1%	3%
							grade 4 events	1521	1542	1580	1621	1586	3693
								1%	1%	1%	1%	1%	3%
							grade 5 events	2519	2609	2473	2917	2809	6991
								2%	1%	1%	2%	2%	6%
							grade 6 events	3542	3855	3497	3331	4227	21625
								3%	2%	2%	2%	3%	20%
							grade 7 events	88166	107467	117656	115208	108952	54424
								78%	80%	82%	82%	80%	50%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	5.346965135899922
[deg] Pointing Dec	0	69.02351382380003
[deg] Pointing Roll	0.0	21.69290744869928
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	545593994.20022	545593994.20022
Observation start date	2015-04-16T17:53:14	2015-04-16T17:53:14
[s] Observation end time (MET)	545603544.179144	545603544.179144
Observation end date	2015-04-16T20:32:24	2015-04-16T20:32:24
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1306317692995

A.2 Comments