

V&V Reference Report

L2 ASCDS Version : 10

Observation 53592 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 5 2013

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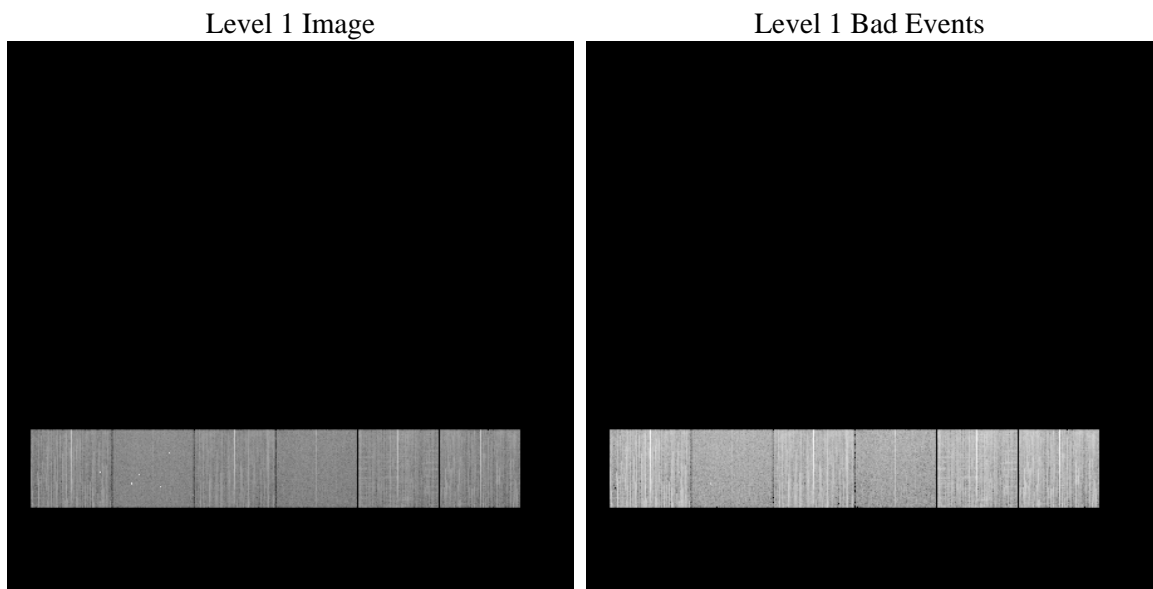
1 Front

seq_num	 	Sequence number
obs_id	53592	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	155.7108752931	Nominal RA [deg]
dec_nom	-6.7168379487638	Nominal Dec [deg]
roll_nom	236.72144906541	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8149.9595359564	Sum of GTIs [s]
livetime	8046.7598409956	Livetime [s]
ontime4	8146.5954456329	Sum of GTIs [s]
ontime5	8149.9184959531	Sum of GTIs [s]
ontime6	8149.8774559498	Sum of GTIs [s]
ontime7	8149.9595359564	Sum of GTIs [s]
ontime8	8149.7953759432	Sum of GTIs [s]
ontime9	8150.0005759597	Sum of GTIs [s]
l2events	230854	Number of level 2 events

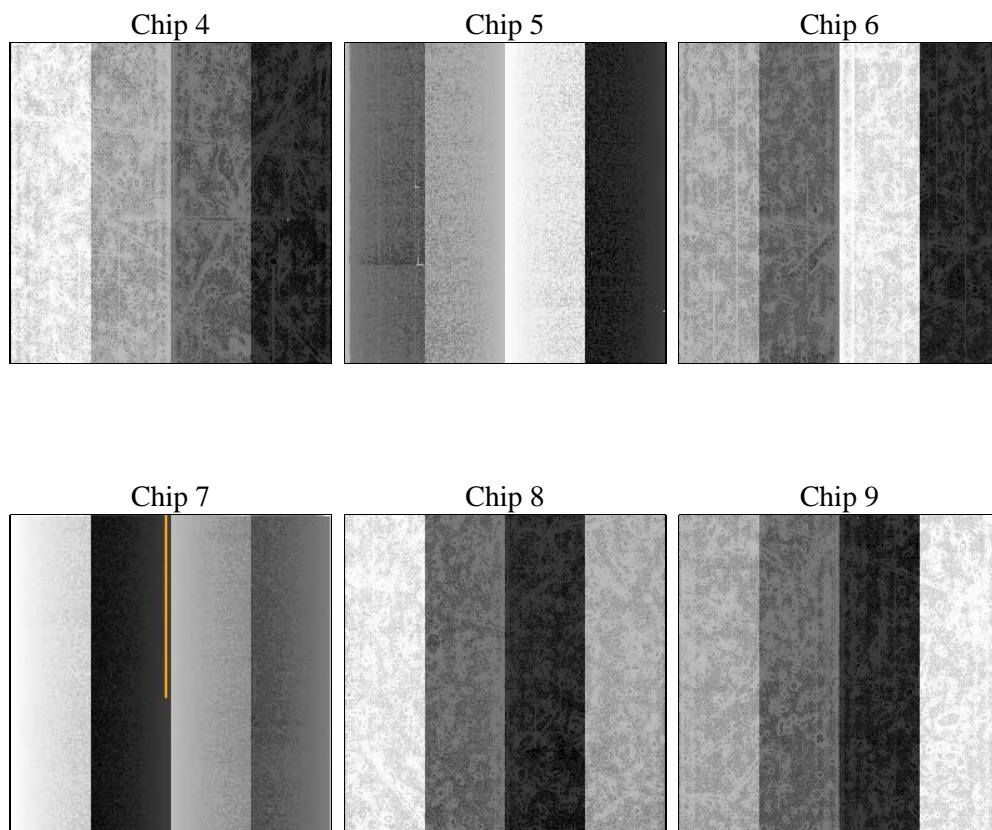
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10	Processing system revision	ontime	8149.9595359564	Sum of GTIs [s]
caldbver	4.5.7	 	ontime4	8146.5954456329	Sum of GTIs [s]
date	2013-07-05T17:58:21	Date and time of file creation	ontime5	8149.9184959531	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8149.8774559498	Sum of GTIs [s]
			ontime7	8149.9595359564	Sum of GTIs [s]
			ontime8	8149.7953759432	Sum of GTIs [s]
			ontime9	8150.0005759597	Sum of GTIs [s]
			l1events	885373	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	156598	134267	152475	123343	161885	156805	grade 0 events	19194	9162	16097	8396	18766	16575
rejected events	123031	71014	119600	67213	120939	124463		12%	6%	10%	6%	11%	10%
rejected %	78%	52%	78%	54%	74%	79%	grade 1 events	140	153	68	82	84	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	6134	23547	7354	14346	8677	6559
								3%	17%	4%	11%	5%	4%
							grade 3 events	2257	2012	2094	4576	3181	2309
								1%	1%	1%	3%	1%	1%
							grade 4 events	2217	1894	2124	4554	3139	2191
								1%	1%	1%	3%	1%	1%
							grade 5 events	3053	5566	2948	7317	3924	3428
								1%	4%	1%	5%	2%	2%
							grade 6 events	4405	27698	5929	25301	8021	5361
								2%	20%	3%	20%	4%	3%
							grade 7 events	119198	64235	115861	58771	116093	120310
								76%	47%	75%	47%	71%	76%

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	155.7108752931028
[deg] Pointing Dec	0	-6.716837948763807
[deg] Pointing Roll	0.0	236.7214490654115
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)	489383075.144645	489383075.144645
Observation start date	2013-07-05T03:44:35	2013-07-05T03:44:35
[s] Observation end time (MET)	489393133.929373	489393133.929373
Observation end date	2013-07-05T06:32:14	2013-07-05T06:32:13
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1499595359564

A.2 Comments