

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53098 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 12 2014

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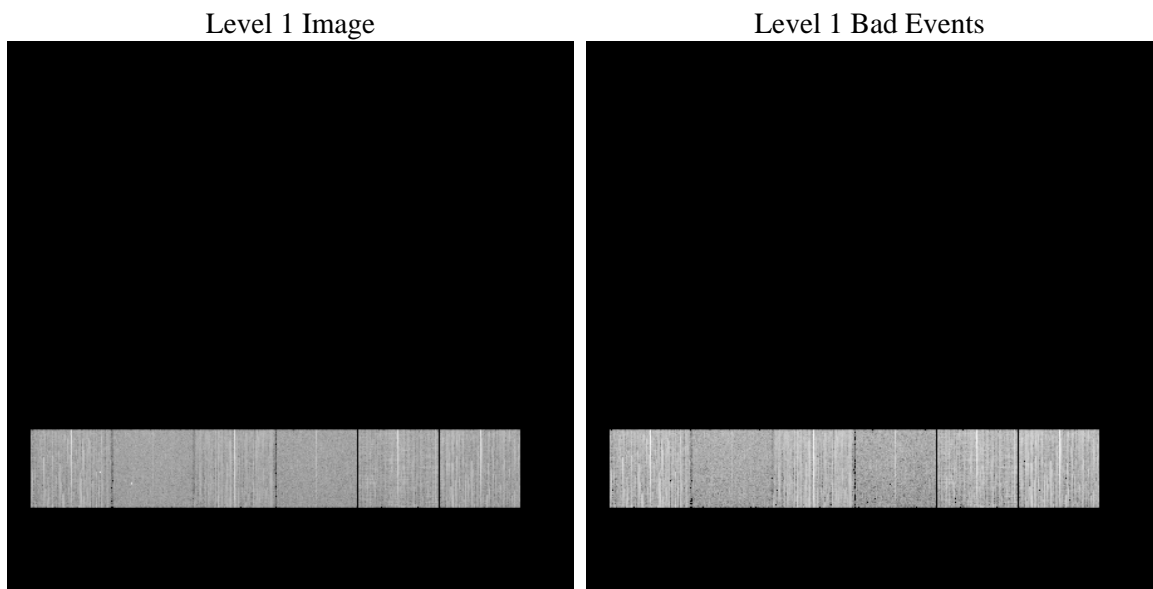
1 Front

seq_num	 	Sequence number
obs_id	53098	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	133.06419201653	Nominal RA [deg]
dec_nom	24.773751048988	Nominal Dec [deg]
roll_nom	95.909159981893	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5823.8906477094	Sum of GTIs [s]
livetime	5750.1450376021	Livetime [s]
ontime4	5823.7675276995	Sum of GTIs [s]
ontime5	5823.8496077061	Sum of GTIs [s]
ontime6	5823.8085677028	Sum of GTIs [s]
ontime7	5823.8906477094	Sum of GTIs [s]
ontime8	5823.7264876962	Sum of GTIs [s]
ontime9	5823.9316877127	Sum of GTIs [s]
l2events	174933	Number of level 2 events

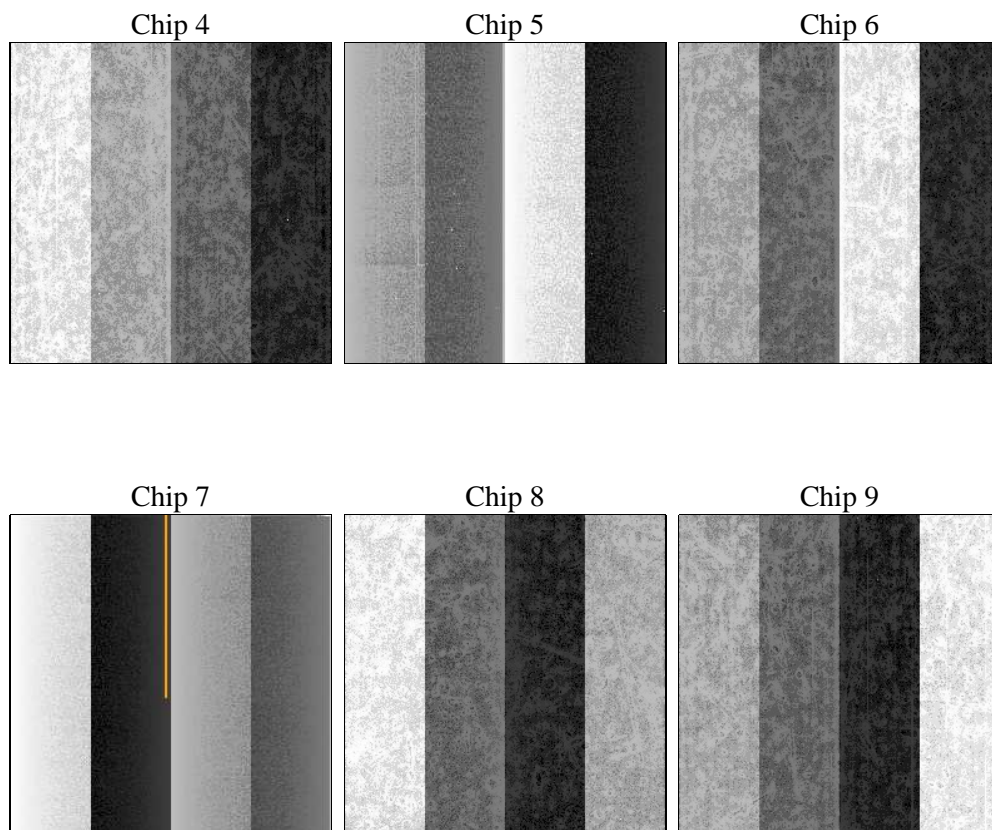
2 OBI

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	10.1.1	Processing system revision	ontime	5823.8906477094	Sum of GTIs [s]
caldsver	4.6.0	 	ontime4	5823.7675276995	Sum of GTIs [s]
date	2014-01-12T19:24:37	Date and time of file creation	ontime5	5823.8496077061	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5823.8085677028	Sum of GTIs [s]
			ontime7	5823.8906477094	Sum of GTIs [s]
			ontime8	5823.7264876962	Sum of GTIs [s]
			ontime9	5823.9316877127	Sum of GTIs [s]
			l1events	636766	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	111380	90506	117222	86787	112378	118493	grade 0 events	13965	3517	11755	6155	14381	12486
rejected events	85642	49723	91032	46339	80431	92834		12%	3%	10%	7%	12%	10%
rejected %	76%	54%	77%	53%	71%	78%	grade 1 events	98	89	38	44	66	54
								0%	0%	0%	0%	0%	0%
							grade 2 events	4925	16077	6499	10672	6802	5364
								4%	17%	5%	12%	6%	4%
							grade 3 events	1698	1287	1534	3082	2248	1701
								1%	1%	1%	3%	2%	1%
							grade 4 events	1729	1179	1488	2967	2160	1587
								1%	1%	1%	3%	1%	1%
							grade 5 events	2154	3735	1978	4781	2748	2259
								1%	4%	1%	5%	2%	1%
							grade 6 events	3848	19476	5321	18358	6909	4911
								3%	21%	4%	21%	6%	4%
							grade 7 events	82963	45146	88609	40728	77064	90131
								74%	49%	75%	46%	68%	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	133.0641920165342
[deg] Pointing Dec	0	24.77375104898804
[deg] Pointing Roll	0.0	95.90915998189314
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)	505869741.846103	505869741.846103
Observation start date	2014-01-11T23:22:22	2014-01-11T23:22:21
[s] Observation end time (MET)	505877223.609335	505877223.609335
Observation end date	2014-01-12T01:27:04	2014-01-12T01:27:03
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)	2014.01.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.8238906477094

A.2 Comments