

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53961 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 10 2013

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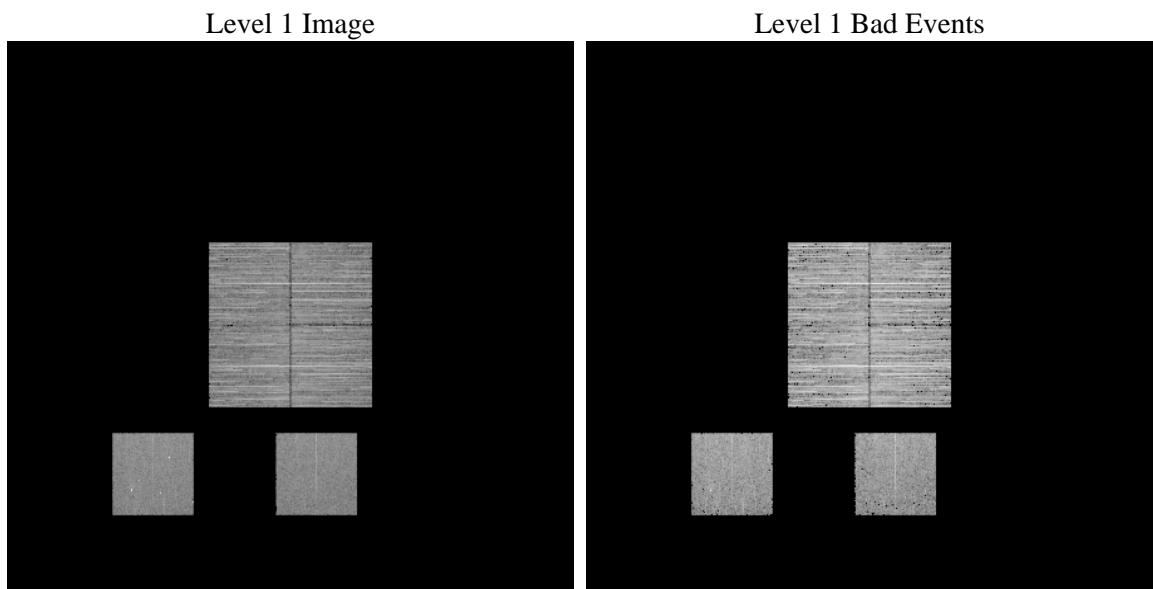
1 Front

seq_num	 	Sequence number
obs_id	53961	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	120.02627312659	Nominal RA [deg]
dec_nom	-0.011913016748441	Nominal Dec [deg]
roll_nom	303.21080532817	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4259.1999841928	Sum of GTIs [s]
livetime	4205.2674294107	Livetime [s]
ontime0	4259.1999841928	Sum of GTIs [s]
ontime1	4259.1760413051	Sum of GTIs [s]
ontime2	4259.1350013018	Sum of GTIs [s]
ontime3	4259.1999841928	Sum of GTIs [s]
ontime5	4259.0939612985	Sum of GTIs [s]
ontime7	4259.1999841928	Sum of GTIs [s]
l2events	132697	Number of level 2 events

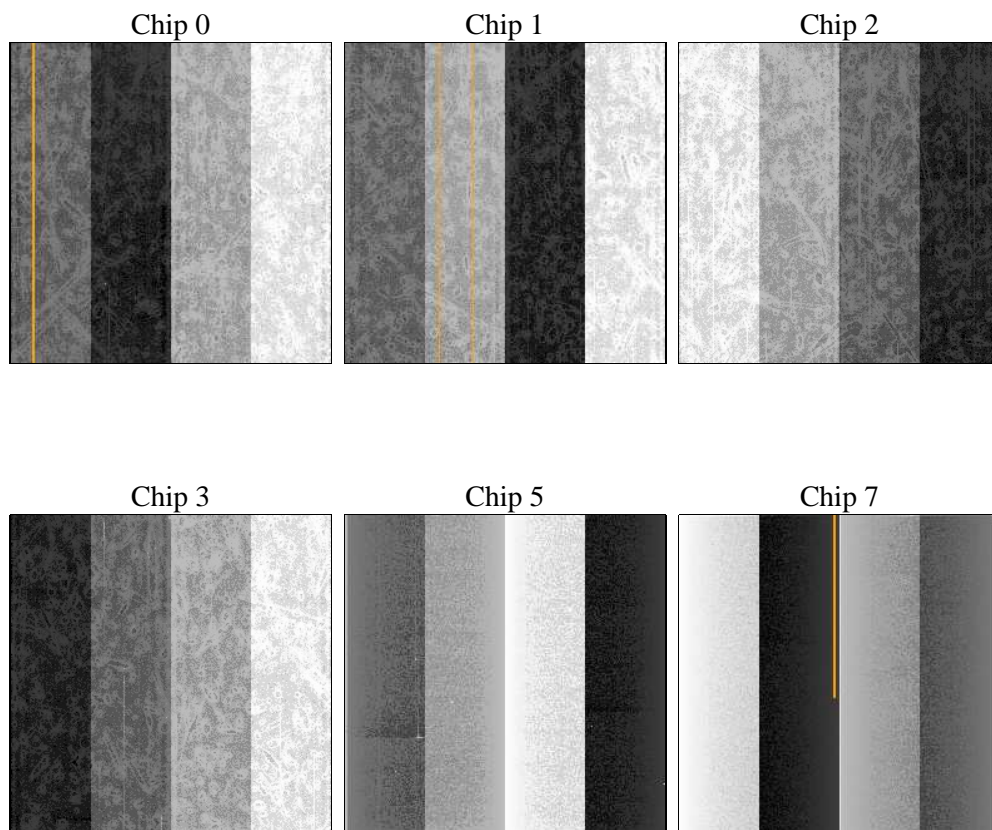
2 OBI

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	8.5.1.1	Processing system revision	ontime	4259.1999841928	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	4259.1999841928	Sum of GTIs [s]
date	2013-02-10T10:36:53	Date and time of file creation	ontime1	4259.1760413051	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4259.1350013018	Sum of GTIs [s]
			ontime3	4259.1999841928	Sum of GTIs [s]
			ontime5	4259.0939612985	Sum of GTIs [s]
			ontime7	4259.1999841928	Sum of GTIs [s]
			l1events	492049	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	83993	83563	86341	90153	77127	70872	grade 0 events	9295	9097	9674	9555	5273	4837
rejected events	65962	65520	68144	72083	40655	37965		11%	10%	11%	10%	6%	6%
rejected %	78%	78%	78%	79%	52%	53%	grade 1 events	50	50	62	54	92	51
								0%	0%	0%	0%	0%	0%
							grade 2 events	3502	3746	3420	3277	13290	8080
								4%	4%	3%	3%	17%	11%
							grade 3 events	1287	1178	1268	1285	1347	2812
								1%	1%	1%	1%	1%	3%
							grade 4 events	1177	1198	1225	1345	1323	2764
								1%	1%	1%	1%	1%	3%
							grade 5 events	1599	1679	1491	1861	3681	4316
								1%	2%	1%	2%	4%	6%
							grade 6 events	2934	2976	2779	2753	15523	14681
								3%	3%	3%	3%	20%	20%
							grade 7 events	64149	63639	66422	70023	36598	33331
								76%	76%	76%	77%	47%	47%

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	120.0262731265883
[deg] Pointing Dec	0	-0.01191301674844086
[deg] Pointing Roll	0.0	303.2108053281711
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)	476819881.114049	476819881.114049
Observation start date	2013-02-09T17:58:01	2013-02-09T17:58:01
[s] Observation end time (MET)	476825434.57169	476825434.57169
Observation end date	2013-02-09T19:30:35	2013-02-09T19:30:34
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.02.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.2591999841928

A.2 Comments