

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 52160 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 17 2015

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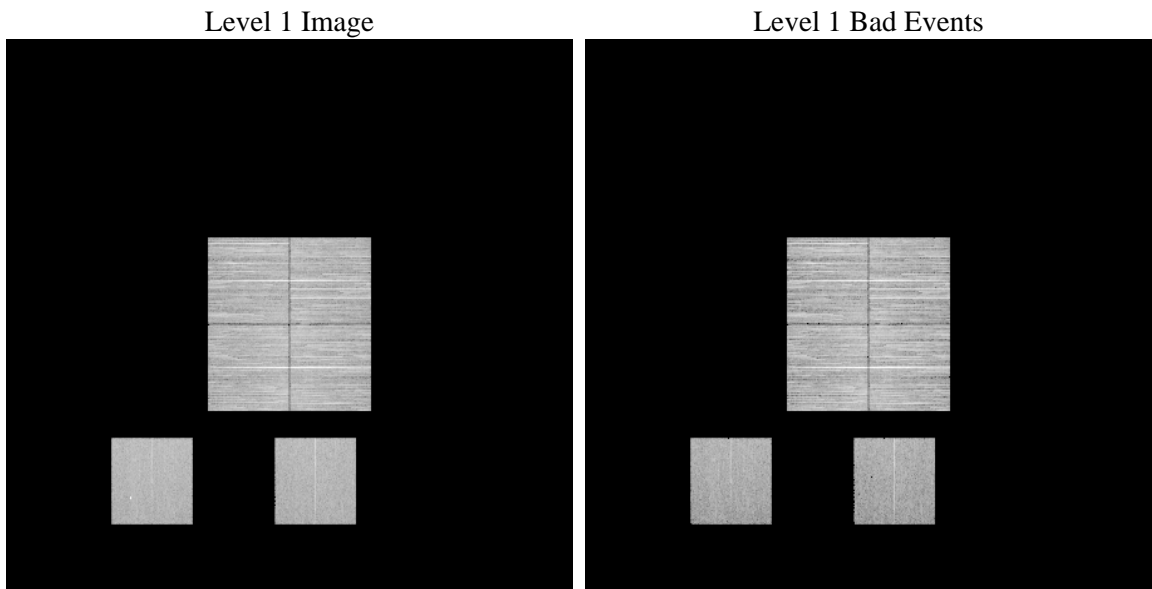
1 Front

seq_num	 	Sequence number
obs_id	52160	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	310.26709788706	Nominal RA [deg]
dec_nom	-39.418290511112	Nominal Dec [deg]
roll_nom	148.50123606706	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8402.8117626905	Sum of GTIs [s]
livetime	8296.4103005856	Livetime [s]
ontime0	8402.7707226276	Sum of GTIs [s]
ontime1	8402.7296826839	Sum of GTIs [s]
ontime2	8402.688642621	Sum of GTIs [s]
ontime3	8402.8528026342	Sum of GTIs [s]
ontime5	8402.6476026773	Sum of GTIs [s]
ontime7	8402.8117626905	Sum of GTIs [s]
l2events	198947	Number of level 2 events

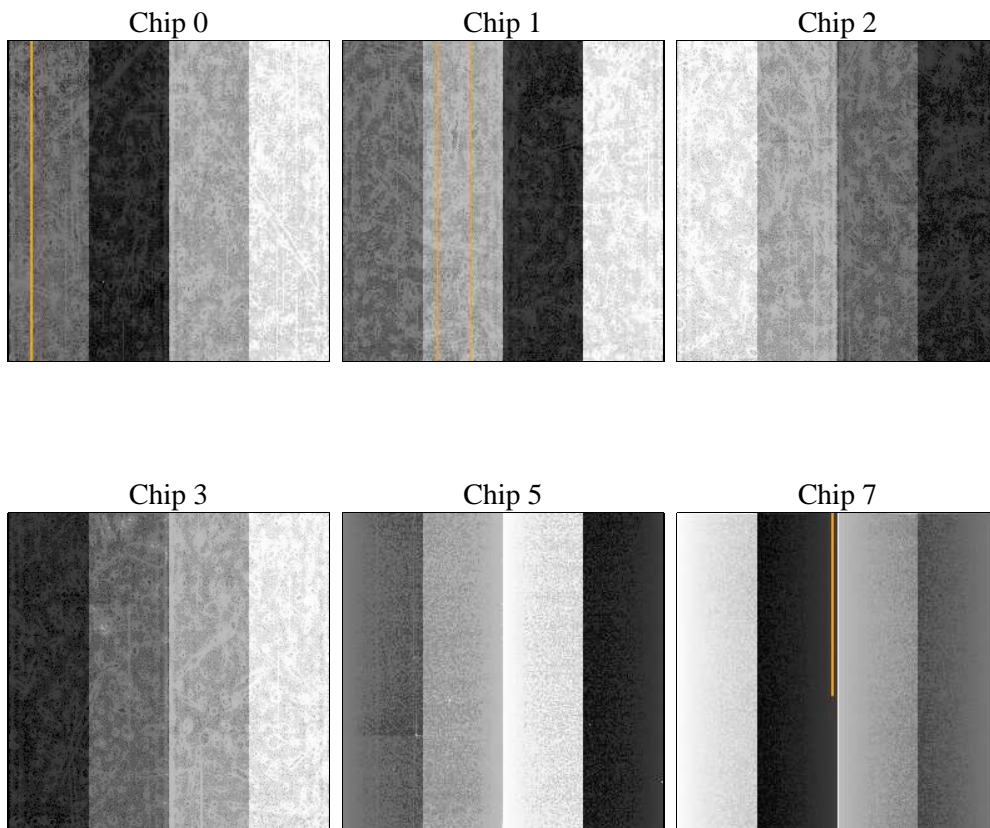
2 OBI

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	10.3.1	Processing system revision	ontime	8402.8117626905	Sum of GTIs [s]
caldsver	4.6.5	 	ontime0	8402.7707226276	Sum of GTIs [s]
date	2015-01-17T19:54:21	Date and time of file creation	ontime1	8402.7296826839	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8402.688642621	Sum of GTIs [s]
			ontime3	8402.8528026342	Sum of GTIs [s]
			ontime5	8402.6476026773	Sum of GTIs [s]
			ontime7	8402.8117626905	Sum of GTIs [s]
			l1events	855014	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	145451	146737	152719	156801	131028	122278	grade 0 events	12150	11905	12738	12737	4619	6665
rejected events	120497	121281	127319	131542	74661	70283		8%	8%	8%	8%	3%	5%
rejected %	82%	82%	83%	83%	56%	57%	grade 1 events	76	68	79	73	160	115
								0%	0%	0%	0%	0%	0%
							grade 2 events	5299	5694	5144	5006	20680	12977
								3%	3%	3%	3%	15%	10%
							grade 3 events	1779	1690	1780	1769	2159	4075
								1%	1%	1%	1%	1%	3%
							grade 4 events	1686	1730	1816	1835	1812	3958
								1%	1%	1%	1%	1%	3%
							grade 5 events	3102	2973	2884	3183	6043	7689
								2%	2%	1%	2%	4%	6%
							grade 6 events	4191	4598	4086	4073	27449	24671
								2%	3%	2%	2%	20%	20%
							grade 7 events	117168	118079	124192	128125	68106	62128
								80%	80%	81%	81%	51%	50%

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	310.2670978870615
[deg] Pointing Dec	0	-39.41829051111202
[deg] Pointing Roll	0.0	148.5012360670593
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)	537866063.668056	537866063.668056
Observation start date	2015-01-17T07:14:24	2015-01-17T07:14:23
[s] Observation end time (MET)	537876060.646324	537876060.646324
Observation end date	2015-01-17T10:01:01	2015-01-17T10:01:00
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)	2015.01.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4028117626905

A.2 Comments