

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51026 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 15 2016

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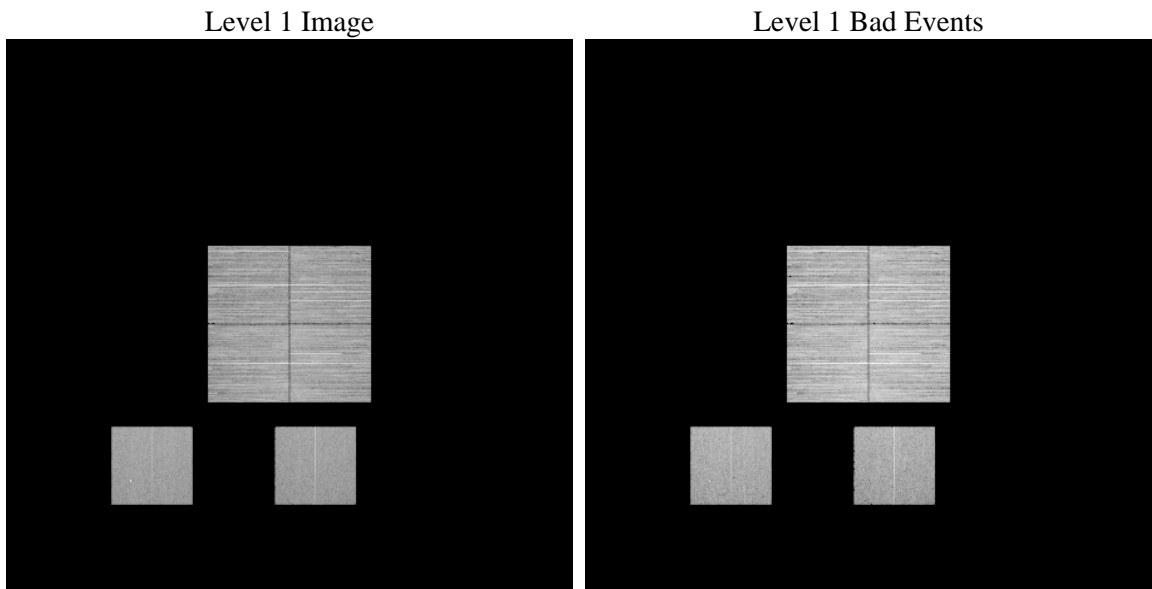
1 Front

seq_num	 	Sequence number
obs_id	51026	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	81.82644446844	Nominal RA [deg]
dec_nom	-40.543904001331	Nominal Dec [deg]
roll_nom	333.88091150816	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8230.0183979273	Sum of GTIs [s]
livetime	8125.8049494506	Livetime [s]
ontime0	8229.9773578644	Sum of GTIs [s]
ontime1	8229.9363179207	Sum of GTIs [s]
ontime2	8229.8952778578	Sum of GTIs [s]
ontime3	8230.059437871	Sum of GTIs [s]
ontime5	8229.8542379141	Sum of GTIs [s]
ontime7	8230.0183979273	Sum of GTIs [s]
l2events	182627	Number of level 2 events

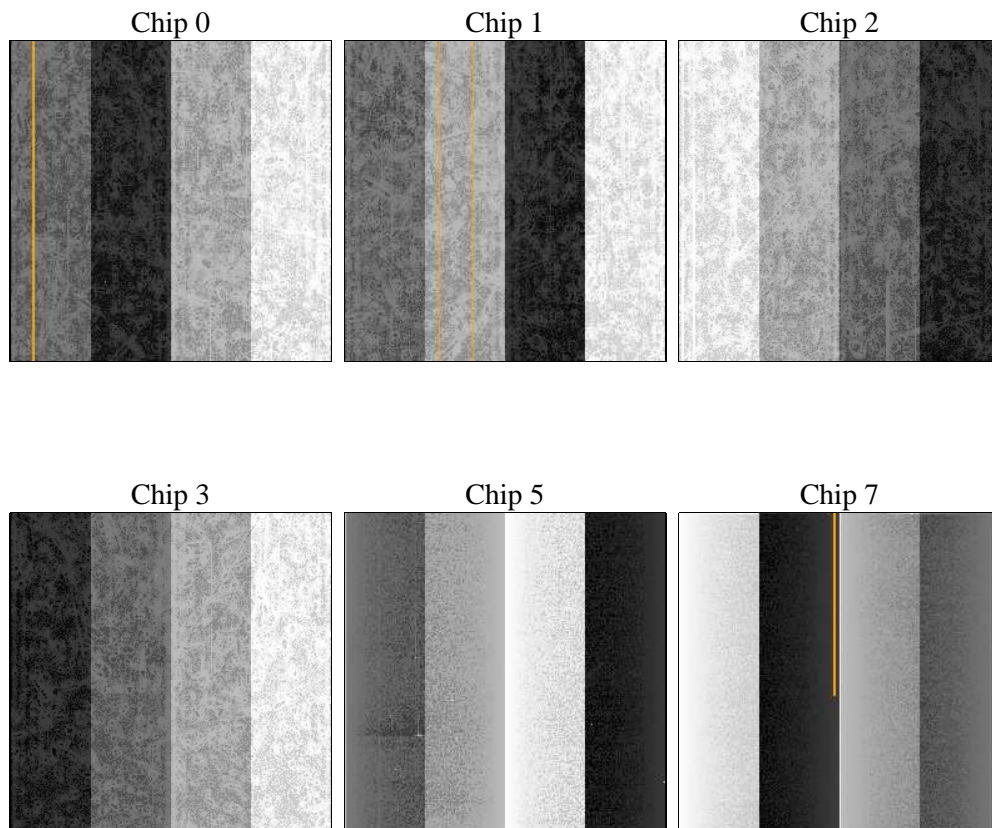
2 OBI

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	10.4.3.1	Processing system revision	ontime	8230.0183979273	Sum of GTIs [s]
caldsver	4.7.1	 	ontime0	8229.9773578644	Sum of GTIs [s]
date	2016-05-15T12:00:40	Date and time of file creation	ontime1	8229.9363179207	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8229.8952778578	Sum of GTIs [s]
			ontime3	8230.059437871	Sum of GTIs [s]
			ontime5	8229.8542379141	Sum of GTIs [s]
			ontime7	8230.0183979273	Sum of GTIs [s]
			l1events	995497	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	158523	175848	181871	197768	145884	135603	grade 0 events	9398	8818	9681	9748	4071	5424
rejected events	138308	155627	161834	177617	86692	82514		5%	5%	5%	4%	2%	3%
rejected %	87%	88%	88%	89%	59%	60%	grade 1 events	60	55	77	84	191	119
								0%	0%	0%	0%	0%	0%
							grade 2 events	4594	4770	4313	4195	21853	13426
								2%	2%	2%	2%	14%	9%
							grade 3 events	1483	1431	1444	1472	1811	4003
								0%	0%	0%	0%	1%	2%
							grade 4 events	1487	1481	1468	1492	1733	3740
								0%	0%	0%	0%	1%	2%
							grade 5 events	3260	3300	3094	3745	7056	8825
								2%	1%	1%	1%	4%	6%
							grade 6 events	3314	3780	3186	3318	29915	26661
								2%	2%	1%	1%	20%	19%
							grade 7 events	134927	152213	158608	173714	79254	73405
								85%	86%	87%	87%	54%	54%

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	81.82644446844023
[deg] Pointing Dec	0	-40.54390400133059
[deg] Pointing Roll	0.0	333.8809115081602
SIM focus pos (mm)	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	579638459.601591	579638459.601591
Observation start date	2016-05-14T18:41:00	2016-05-14T18:40:59
[s] Observation end time (MET)	579648009.2861381	579648009.2861381
Observation end date	2016-05-14T21:20:09	2016-05-14T21:20:09
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)	2016.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2300183979273

A.2 Comments