

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 50970 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 5 2016

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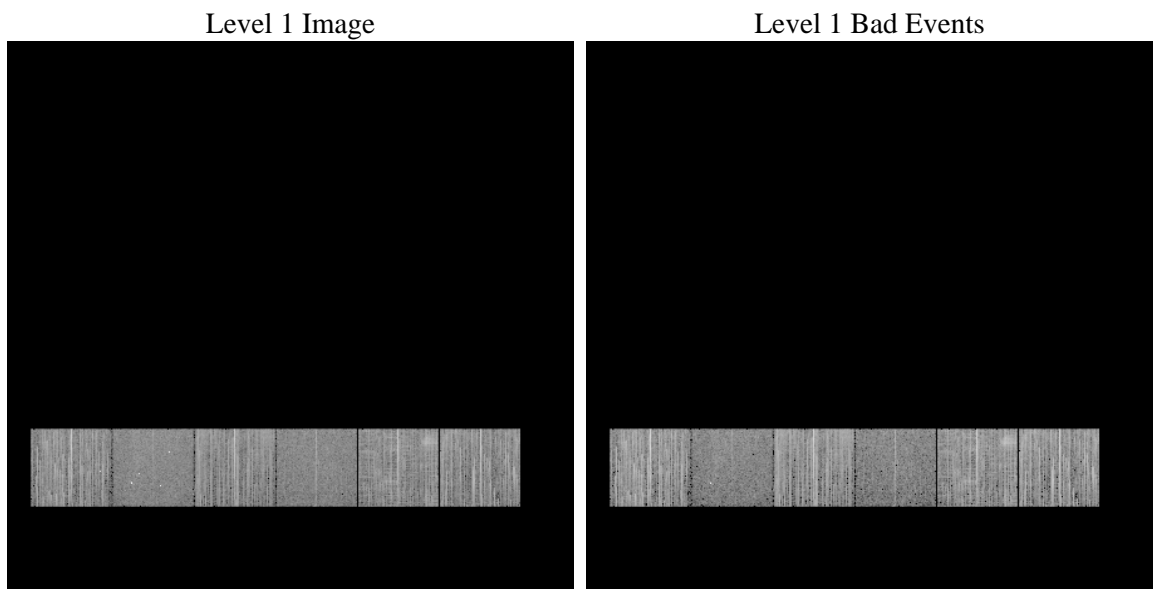
1 Front

seq_num	 	Sequence number
obs_id	50970	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	244.9822401679	Nominal RA [deg]
dec_nom	1.4127435536049	Nominal Dec [deg]
roll_nom	199.00535715406	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3414.406897068	Sum of GTIs [s]
livetime	3371.1716210283	Livetime [s]
ontime4	3417.6000509262	Sum of GTIs [s]
ontime5	3414.4479371309	Sum of GTIs [s]
ontime6	3414.4889770746	Sum of GTIs [s]
ontime7	3414.406897068	Sum of GTIs [s]
ontime8	3417.6000509262	Sum of GTIs [s]
ontime9	3414.3658571243	Sum of GTIs [s]
l2events	74539	Number of level 2 events

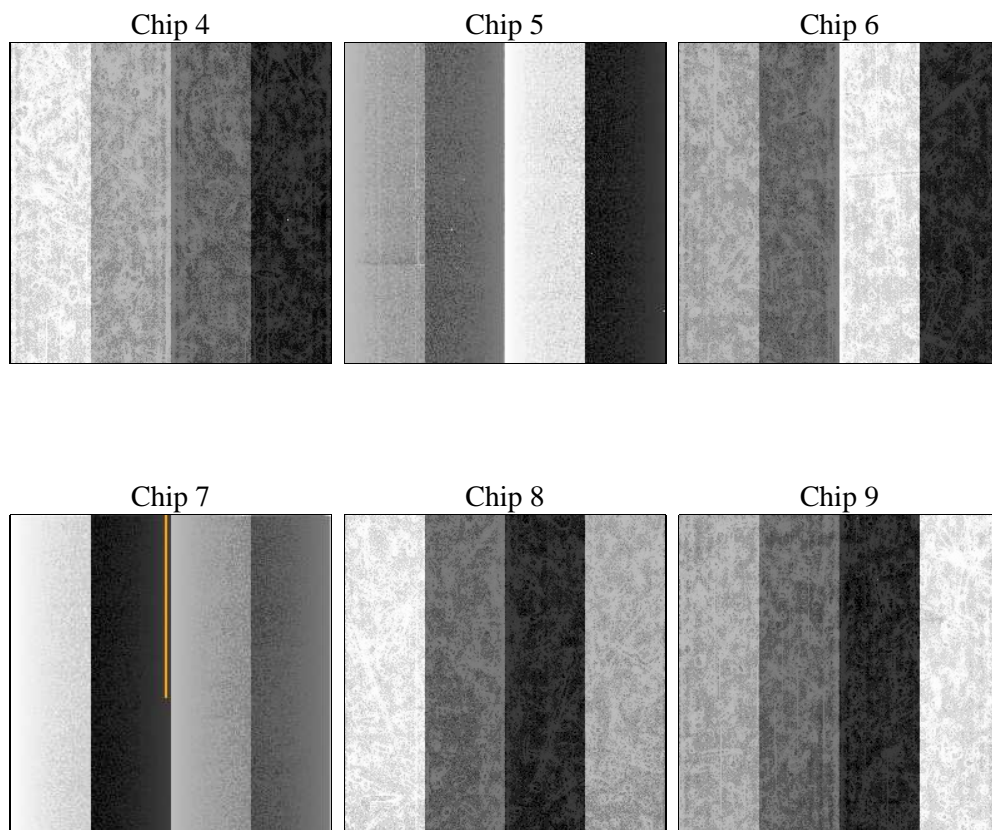
2 OBI

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	3414.406897068	Sum of GTIs [s]
caldbver	4.7.2	 	ontime4	3417.6000509262	Sum of GTIs [s]
date	2016-06-05T19:59:56	Date and time of file creation	ontime5	3414.4479371309	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3414.4889770746	Sum of GTIs [s]
			ontime7	3414.406897068	Sum of GTIs [s]
			ontime8	3417.6000509262	Sum of GTIs [s]
			ontime9	3414.3658571243	Sum of GTIs [s]
			l1events	454285	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	85782	64146	79309	57009	82377	85662	grade 0 events	4628	3787	3519	2018	5212	3738
rejected events	76888	37613	70917	35559	69069	77244		5%	5%	4%	3%	6%	4%
rejected %	89%	58%	89%	62%	83%	90%	grade 1 events	44	109	18	35	30	35
								0%	0%	0%	0%	0%	0%
							grade 2 events	1779	8870	2172	5562	3084	1910
								2%	13%	2%	9%	3%	2%
							grade 3 events	644	694	537	1444	1099	572
								0%	1%	0%	2%	1%	0%
							grade 4 events	616	671	517	1405	1073	585
								0%	1%	0%	2%	1%	0%
							grade 5 events	1528	2825	1438	3512	1945	1670
								1%	4%	1%	6%	2%	1%
							grade 6 events	1227	12536	1647	11043	2840	1622
								1%	19%	2%	19%	3%	1%
							grade 7 events	75316	34654	69461	31990	67094	75530
								87%	54%	87%	56%	81%	88%

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	244.9822401678994
[deg] Pointing Dec	0	1.412743553604853
[deg] Pointing Roll	0.0	199.0053571540635
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	581506069.158468	581506068.1334701
Observation start date	2016-06-05T09:27:49	2016-06-05T09:27:48
[s] Observation end time (MET)	581514472.1089489	581514471.08395
Observation end date	2016-06-05T11:47:52	2016-06-05T11:47:51
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.414406897068

A.2 Comments