

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 52003 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 22 2015

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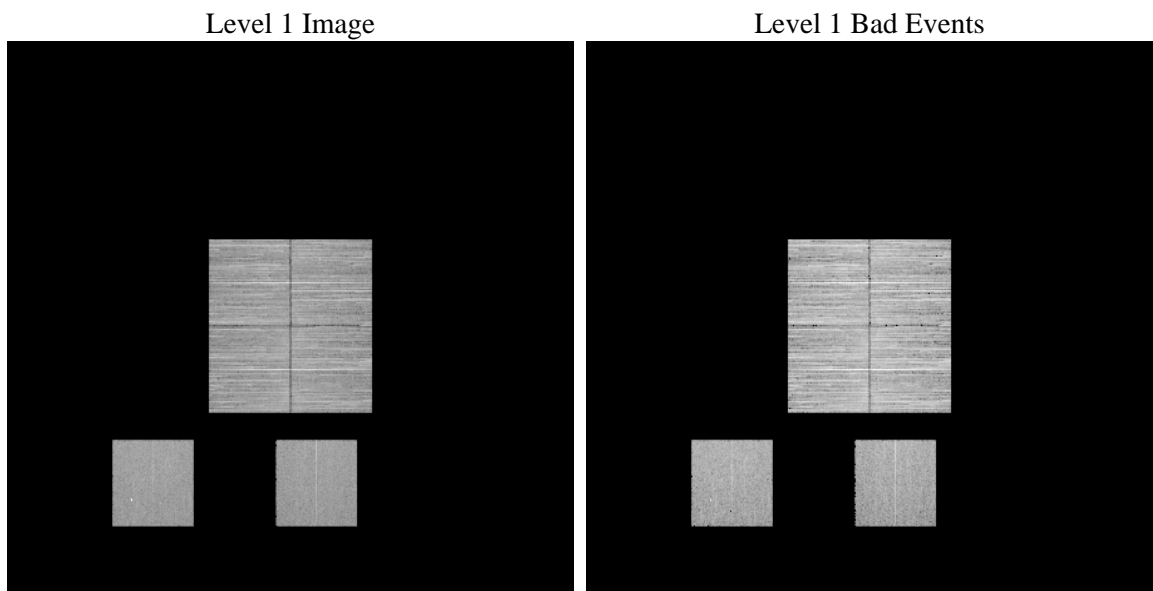
1 Front

seq_num	 	Sequence number
obs_id	52003	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	308.98811868292	Nominal RA [deg]
dec_nom	11.826416166309	Nominal Dec [deg]
roll_nom	80.981740028316	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8460.8001260757	Sum of GTIs [s]
livetime	8353.6643803972	Livetime [s]
ontime0	8460.8001260757	Sum of GTIs [s]
ontime1	8460.8001260757	Sum of GTIs [s]
ontime2	8460.8001260757	Sum of GTIs [s]
ontime3	8460.8001260757	Sum of GTIs [s]
ontime5	8460.8001260757	Sum of GTIs [s]
ontime7	8460.8001260757	Sum of GTIs [s]
l2events	195719	Number of level 2 events

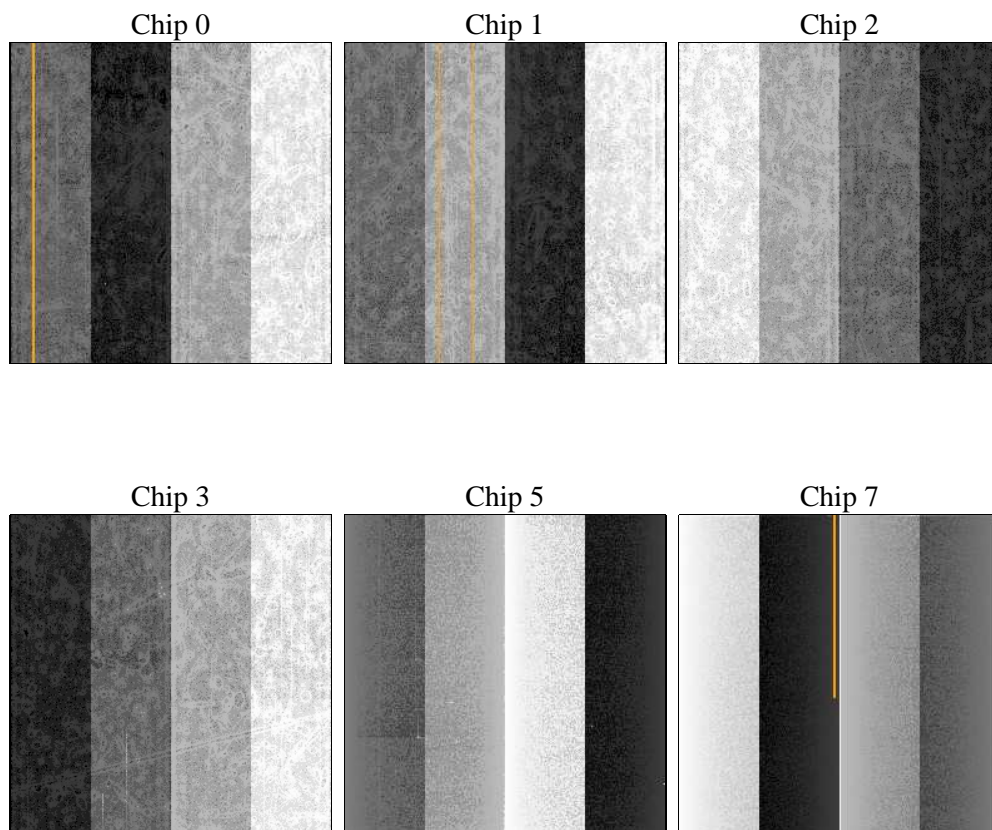
2 OBI

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	10.3.3	Processing system revision	ontime	8460.8001260757	Sum of GTIs [s]
caldsver	4.6.7	 	ontime0	8460.8001260757	Sum of GTIs [s]
date	2015-03-22T04:56:03	Date and time of file creation	ontime1	8460.8001260757	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8460.8001260757	Sum of GTIs [s]
			ontime3	8460.8001260757	Sum of GTIs [s]
			ontime5	8460.8001260757	Sum of GTIs [s]
			ontime7	8460.8001260757	Sum of GTIs [s]
			l1events	772050	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	138628	134985	134037	134673	118374	111353	grade 0 events	12714	12192	12981	12970	5079	6783
rejected events	112610	108690	108011	108652	65277	61894		9%	9%	9%	9%	4%	6%
rejected %	81%	80%	80%	80%	55%	55%	grade 1 events	61	75	80	65	116	78
								0%	0%	0%	0%	0%	0%
							grade 2 events	5493	5856	5143	5071	19679	12099
								3%	4%	3%	3%	16%	10%
							grade 3 events	1782	1692	1833	1795	1826	3889
								1%	1%	1%	1%	1%	3%
							grade 4 events	1657	1723	1832	1862	1724	3891
								1%	1%	1%	1%	1%	3%
							grade 5 events	2516	2698	2481	2878	5531	6739
								1%	1%	1%	2%	4%	6%
							grade 6 events	4372	4832	4237	4323	24789	22797
								3%	3%	3%	3%	20%	20%
							grade 7 events	110033	105917	105450	105709	59630	55077
								79%	78%	78%	78%	50%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	308.9881186829211	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	11.82641616630864	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	80.98174002831603	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	543347743.474449	543347742.44945			
Observation start date	2015-03-21T17:55:43	2015-03-21T17:55:42			
[s] Observation end time (MET)	543357923.775018	543357922.75002			
Observation end date	2015-03-21T20:45:24	2015-03-21T20:45:22			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.03.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4608001260757

A.2 Comments