

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53702 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 11 2013

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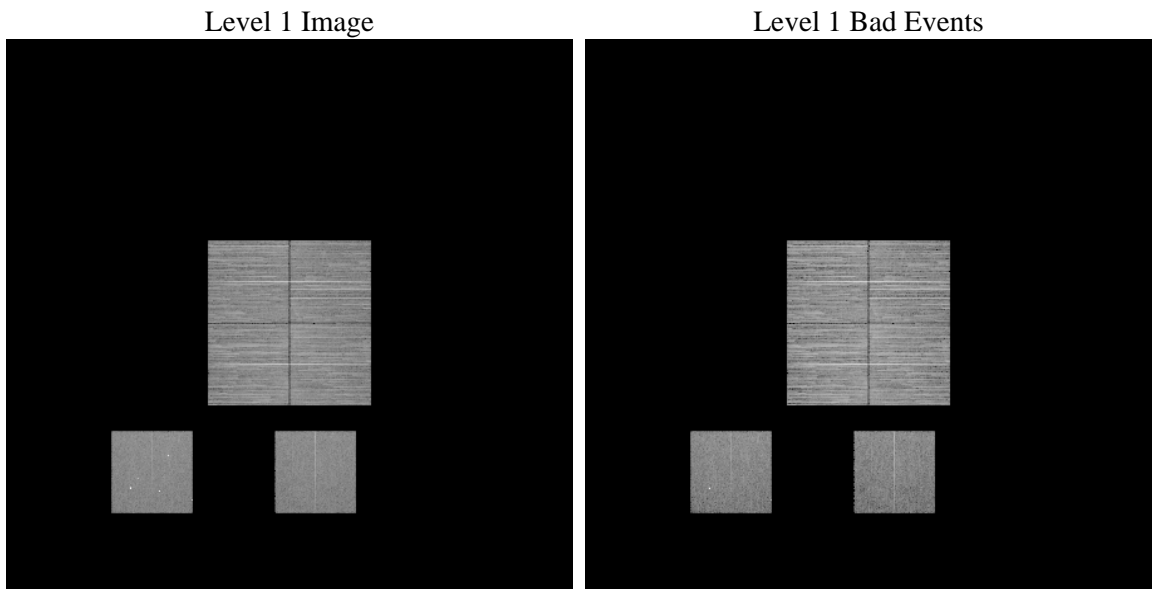
1 Front

seq_num	 	Sequence number
obs_id	53702	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	194.63967692073	Nominal RA [deg]
dec_nom	-27.110761161375	Nominal Dec [deg]
roll_nom	279.91270044462	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8289.7166420221	Sum of GTIs [s]
livetime	8184.7472584328	Livetime [s]
ontime0	8289.6756020188	Sum of GTIs [s]
ontime1	8289.6345620155	Sum of GTIs [s]
ontime2	8289.5935220122	Sum of GTIs [s]
ontime3	8289.7576820254	Sum of GTIs [s]
ontime5	8289.5524820089	Sum of GTIs [s]
ontime7	8289.7166420221	Sum of GTIs [s]
l2events	243676	Number of level 2 events

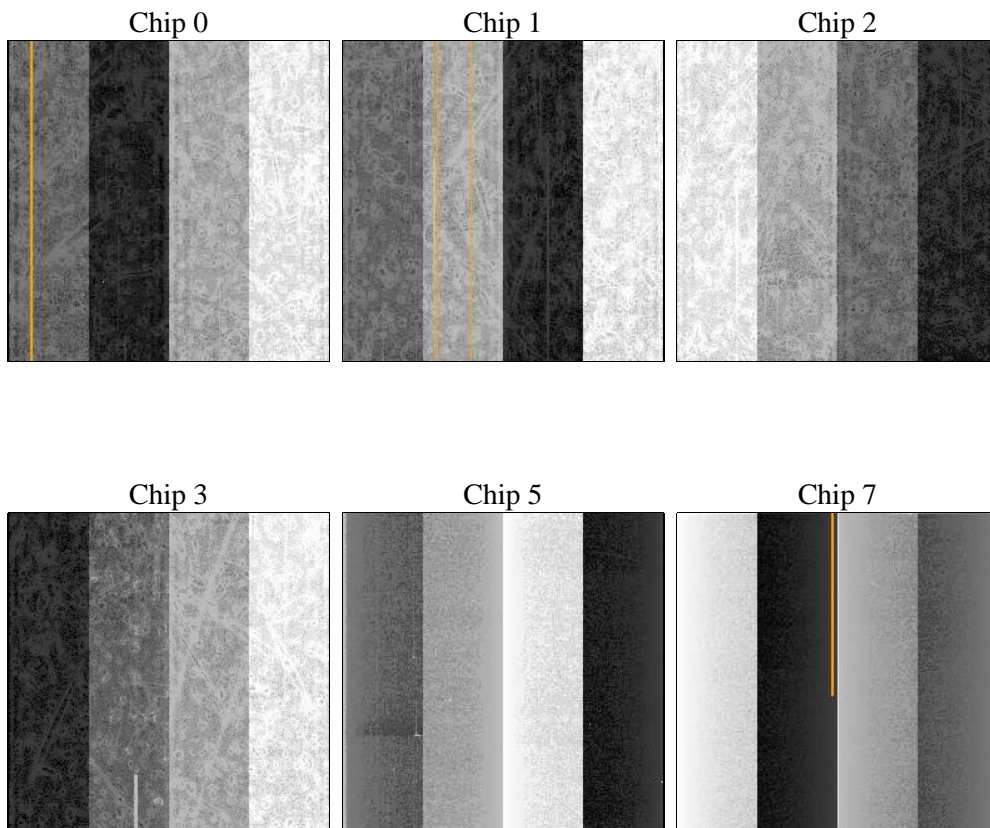
2 OBI

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	8289.7166420221	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8289.6756020188	Sum of GTIs [s]
date	2013-05-11T19:03:13	Date and time of file creation	ontime1	8289.6345620155	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8289.5935220122	Sum of GTIs [s]
			ontime3	8289.7576820254	Sum of GTIs [s]
			ontime5	8289.5524820089	Sum of GTIs [s]
			ontime7	8289.7166420221	Sum of GTIs [s]
			l1events	921011	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	163600	152284	171633	161998	141883	129613	grade 0 events	17113	16169	17261	17171	9464	8764
rejected events	130484	119320	138369	128619	75200	68890		10%	10%	10%	10%	6%	6%
rejected %	79%	78%	80%	79%	53%	53%	grade 1 events	91	85	111	103	244	84
								0%	0%	0%	0%	0%	0%
							grade 2 events	6381	6959	6411	6378	24373	14904
								3%	4%	3%	3%	17%	11%
							grade 3 events	2266	2194	2289	2443	2356	5056
								1%	1%	1%	1%	1%	3%
							grade 4 events	2175	2228	2259	2296	2243	4930
								1%	1%	1%	1%	1%	3%
							grade 5 events	3001	3030	2789	3249	6501	7869
								1%	1%	1%	2%	4%	6%
							grade 6 events	5181	5414	5044	5091	28247	27069
								3%	3%	2%	3%	19%	20%
							grade 7 events	127392	116205	135469	125267	68455	60937
								77%	76%	78%	77%	48%	47%

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	194.6396769207257	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-27.11076116137451	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	279.9127004446173	[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)	484618569.436049	484618568.41105			
Observation start date	2013-05-11T00:16:09	2013-05-11T00:16:08			
[s] Observation end time (MET)	484628749.736601	484628748.7116			
Observation end date	2013-05-11T03:05:50	2013-05-11T03:05:48			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.05.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2897166420221

A.2 Comments