

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54225 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 22 2012

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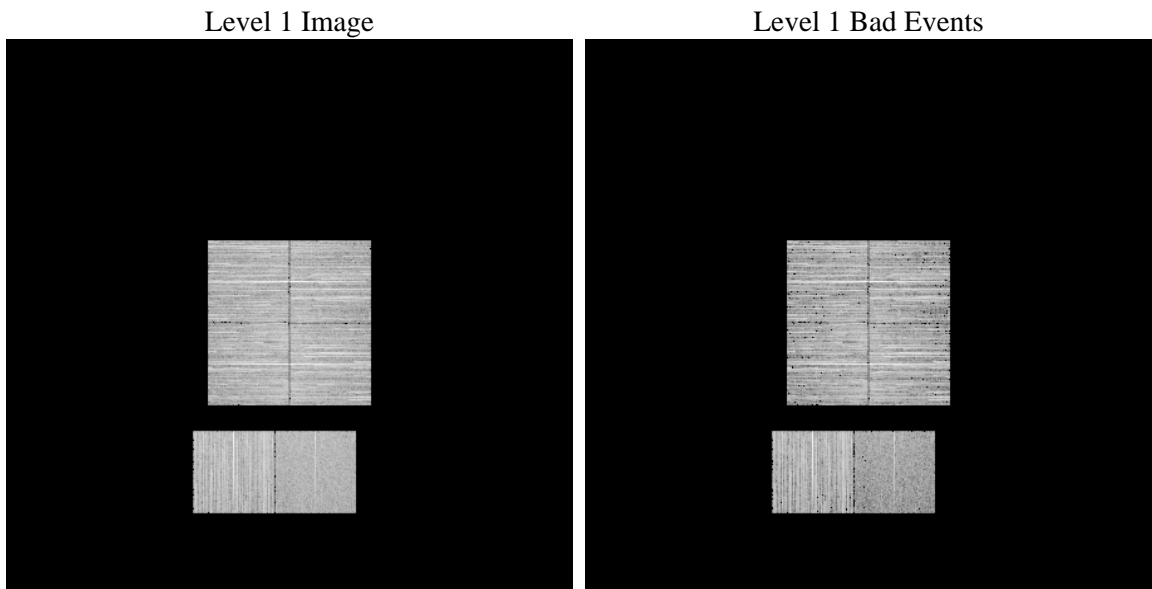
1 Front

seq_num	 	Sequence number
obs_id	54225	Observation id
title	ACIS-012367 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	50.977452956756	Nominal RA [deg]
dec_nom	17.01829835585	Nominal Dec [deg]
roll_nom	101.06041606417	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4390.3999837041	Sum of GTIs [s]
livetime	4334.8060955289	Livetime [s]
ontime0	4390.3999837041	Sum of GTIs [s]
ontime1	4390.3999837041	Sum of GTIs [s]
ontime2	4390.3999837041	Sum of GTIs [s]
ontime3	4390.3999837041	Sum of GTIs [s]
ontime6	4390.3999837041	Sum of GTIs [s]
ontime7	4390.3999837041	Sum of GTIs [s]
l2events	124377	Number of level 2 events

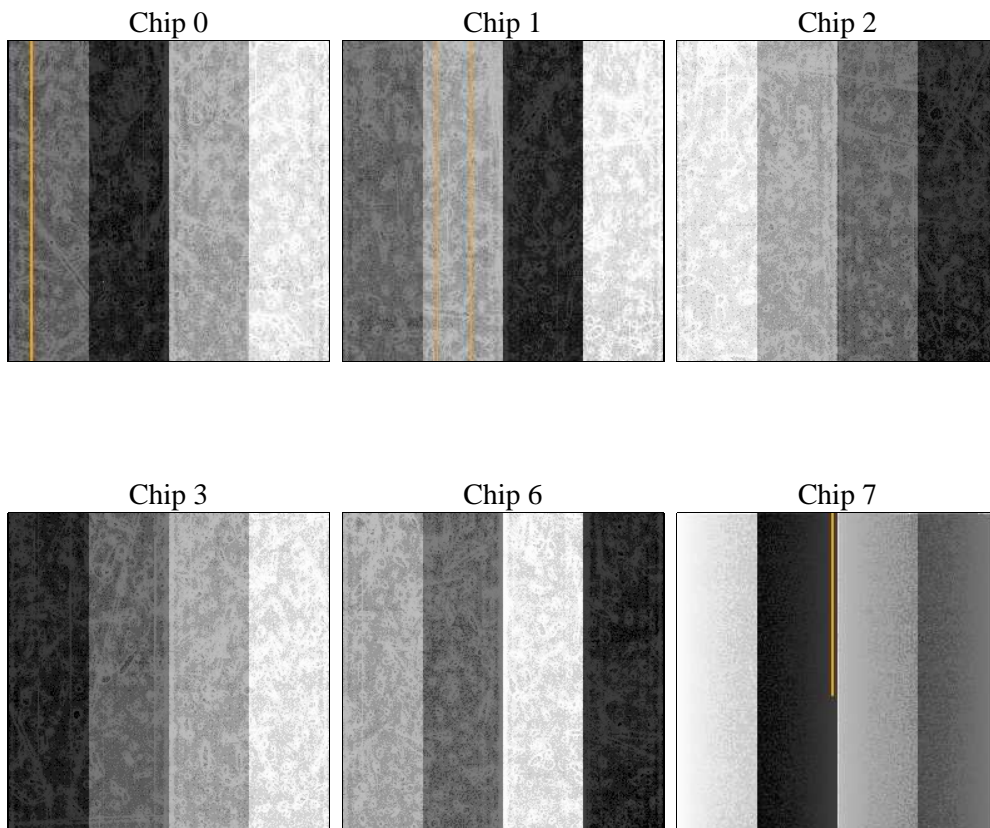
2 OBI

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	8.4.5	Processing system revision	ontime	4390.3999837041	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4390.3999837041	Sum of GTIs [s]
date	2012-10-22T12:10:55	Date and time of file creation	ontime1	4390.3999837041	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4390.3999837041	Sum of GTIs [s]
			ontime3	4390.3999837041	Sum of GTIs [s]
			ontime6	4390.3999837041	Sum of GTIs [s]
			ontime7	4390.3999837041	Sum of GTIs [s]
			l1events	520651	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	87697	86204	88047	91187	96273	71243
rejected events	68455	66700	68553	71474	76196	37662
rejected %	78%	77%	77%	78%	79%	52%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	9745	9564	10316	10379	9644	5002
	11%	11%	11%	11%	10%	7%
grade 1 events	47	49	53	61	43	44
	0%	0%	0%	0%	0%	0%
grade 2 events	3915	4297	3733	3770	4397	8265
	4%	4%	4%	4%	4%	11%
grade 3 events	1341	1279	1337	1305	1190	2678
	1%	1%	1%	1%	1%	3%
grade 4 events	1227	1222	1265	1377	1243	2603
	1%	1%	1%	1%	1%	3%
grade 5 events	1538	1497	1532	1707	1629	4045
	1%	1%	1%	1%	1%	5%
grade 6 events	3014	3142	2843	2882	3603	15033
	3%	3%	3%	3%	3%	21%
grade 7 events	66870	65154	66968	69706	74524	33573
	76%	75%	76%	76%	77%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	50.97745295675552	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	17.01829835584978	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	101.0604160641651	[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)	467249318.248731	467249317.22373			
Observation start date	2012-10-21T23:28:38	2012-10-21T23:28:37			
[s] Observation end time (MET)	467256216.499102	467256215.4741			
Observation end date	2012-10-22T01:23:36	2012-10-22T01:23:35			
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)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.3903999837041

A.2 Comments