

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53664 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 30 2013

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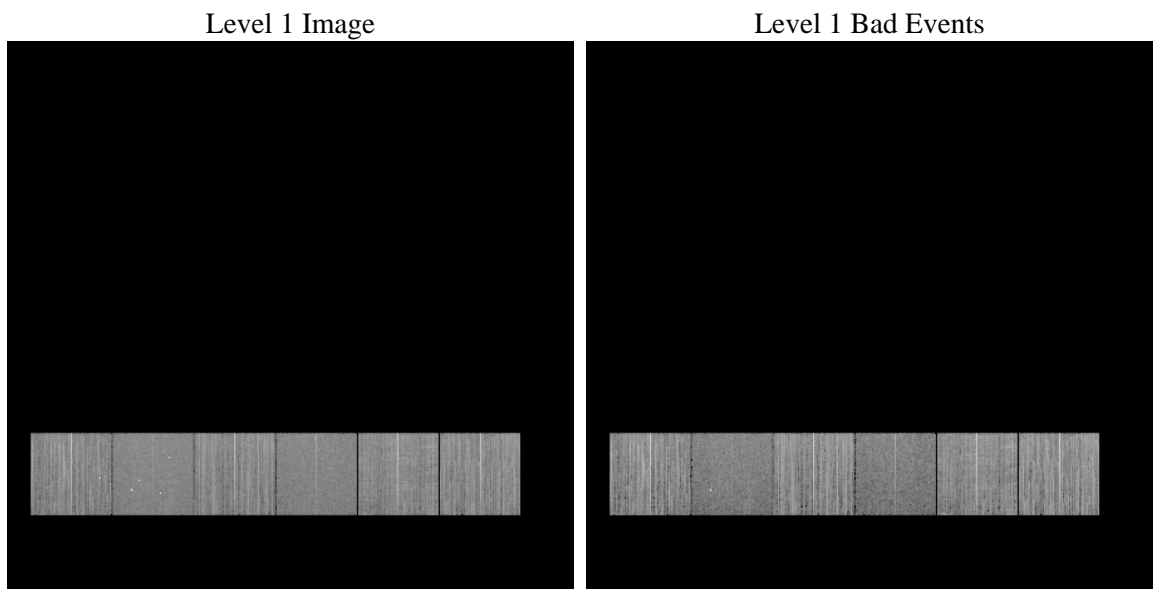
1 Front

seq_num	 	Sequence number
obs_id	53664	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	216.38561283365	Nominal RA [deg]
dec_nom	-18.219546935613	Nominal Dec [deg]
roll_nom	258.02623529406	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8281.5999692082	Sum of GTIs [s]
livetime	8176.7333638173	Livetime [s]
ontime4	8281.5217764974	Sum of GTIs [s]
ontime5	8281.5999692082	Sum of GTIs [s]
ontime6	8278.3217661977	Sum of GTIs [s]
ontime7	8281.5999692082	Sum of GTIs [s]
ontime8	8281.4807364941	Sum of GTIs [s]
ontime9	8281.5999692082	Sum of GTIs [s]
l2events	234746	Number of level 2 events

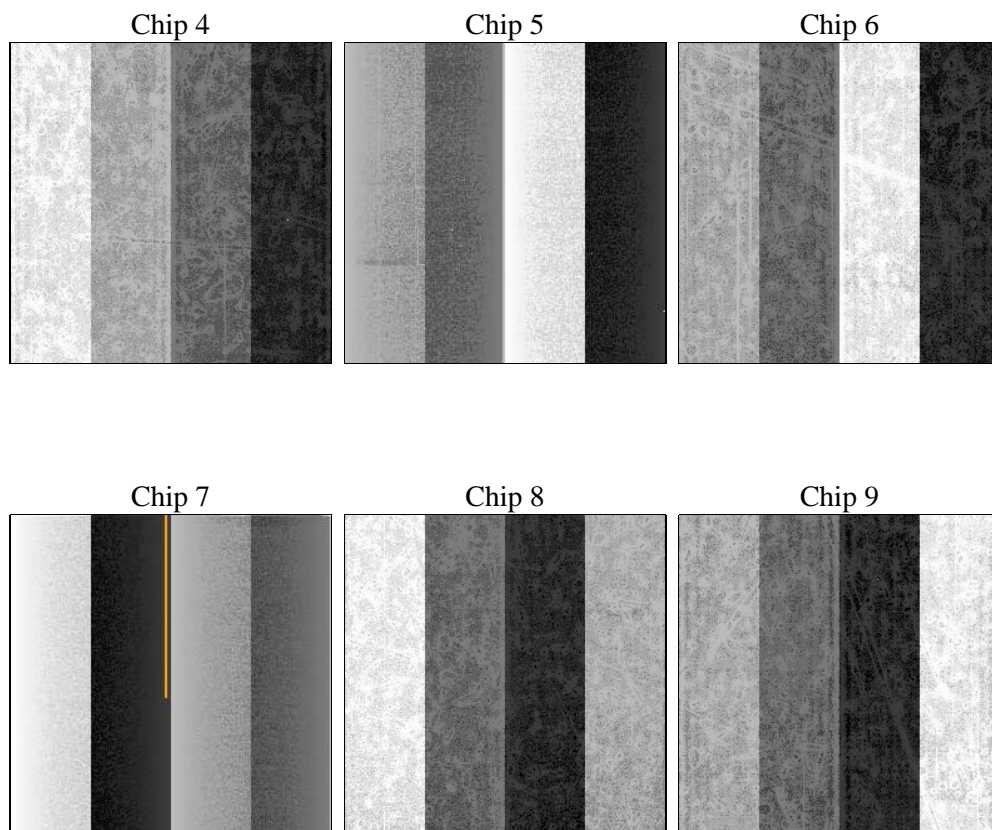
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	8281.5999692082	Sum of GTIs [s]
caldsver	4.5.6	 	ontime4	8281.5217764974	Sum of GTIs [s]
date	2013-05-30T07:42:53	Date and time of file creation	ontime5	8281.5999692082	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8278.3217661977	Sum of GTIs [s]
			ontime7	8281.5999692082	Sum of GTIs [s]
			ontime8	8281.4807364941	Sum of GTIs [s]
			ontime9	8281.5999692082	Sum of GTIs [s]
			l1events	880872	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	151967	134620	152108	121182	155915	165080	grade 0 events	19422	9308	16574	8441	19105	16173
rejected events	117551	71360	118687	64266	114287	132641		12%	6%	10%	6%	12%	9%
rejected %	77%	53%	78%	53%	73%	80%	grade 1 events	133	131	79	64	96	100
								0%	0%	0%	0%	0%	0%
							grade 2 events	6196	22811	6822	13850	8477	6340
								4%	16%	4%	11%	5%	3%
							grade 3 events	2271	2186	2158	4613	3190	2308
								1%	1%	1%	3%	2%	1%
							grade 4 events	2259	2219	2187	4847	2941	2221
								1%	1%	1%	3%	1%	1%
							grade 5 events	3044	5936	3012	7173	4030	3263
								2%	4%	1%	5%	2%	1%
							grade 6 events	4286	26760	5689	25188	7923	5405
								2%	19%	3%	20%	5%	3%
							grade 7 events	114356	65269	115587	57006	110153	129270
								75%	48%	75%	47%	70%	78%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	216.3856128336468	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-18.21954693561304	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	258.0262352940648	[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)	486215788.072664	486215787.04766			
Observation start date	2013-05-29T11:56:28	2013-05-29T11:56:27			
[s] Observation end time (MET)	486225968.373202	486225967.3482			
Observation end date	2013-05-29T14:46:08	2013-05-29T14:46:07			
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)	2013.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2815999692082

A.2 Comments