

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 55916 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 5 2012

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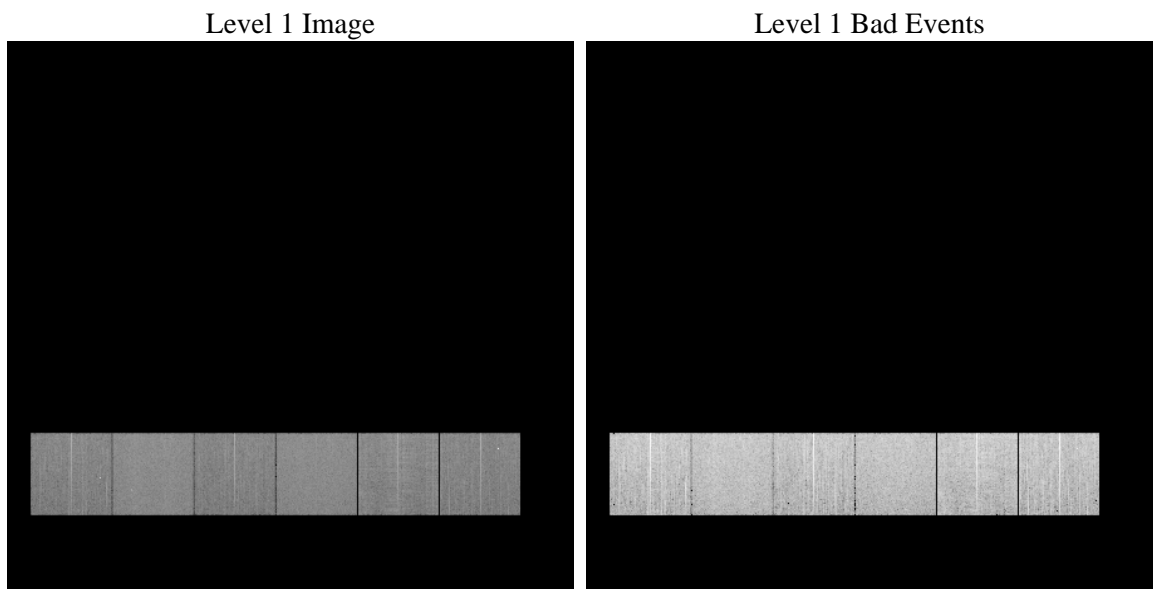
1 Front

seq_num	 	Sequence number
obs_id	55916	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	30.273901986222	Nominal RA [deg]
dec_nom	37.780031519068	Nominal Dec [deg]
roll_nom	191.23469590526	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8280.6430404186	Sum of GTIs [s]
livetime	8175.7885522362	Livetime [s]
ontime4	8280.5199204087	Sum of GTIs [s]
ontime5	8280.6020004153	Sum of GTIs [s]
ontime6	8280.560960412	Sum of GTIs [s]
ontime7	8280.6430404186	Sum of GTIs [s]
ontime8	8280.4788804054	Sum of GTIs [s]
ontime9	8277.5788164139	Sum of GTIs [s]
l2events	388971	Number of level 2 events

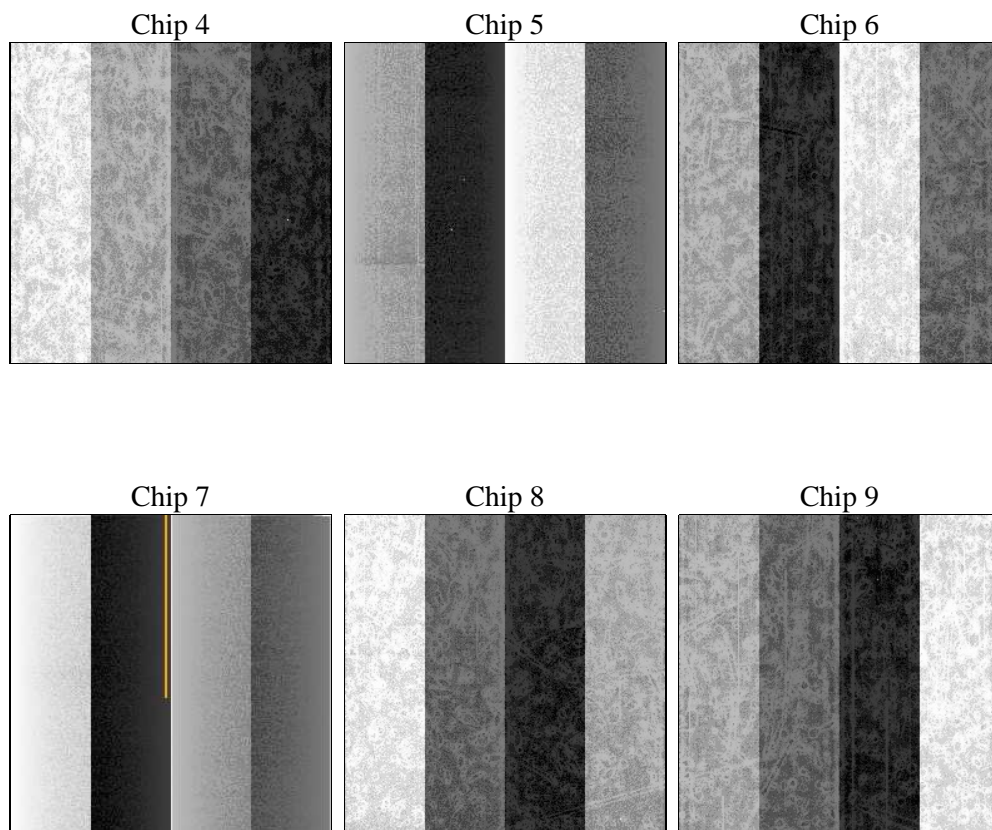
2 OBI

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	8280.6430404186	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	8280.5199204087	Sum of GTIs [s]
date	2012-07-05T23:34:35	Date and time of file creation	ontime5	8280.6020004153	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8280.560960412	Sum of GTIs [s]
			ontime7	8280.6430404186	Sum of GTIs [s]
			ontime8	8280.4788804054	Sum of GTIs [s]
			ontime9	8277.5788164139	Sum of GTIs [s]
			l1events	832665	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	126326	157709	123962	153837	142640	128191	grade 0 events	31627	10426	30164	15469	34425	32739
rejected events	70468	66964	65286	63753	71489	68184		25%	6%	24%	10%	24%	25%
rejected %	55%	42%	52%	41%	50%	53%	grade 1 events	250	194	200	133	244	245
								0%	0%	0%	0%	0%	0%
							grade 2 events	8937	32875	10763	19614	13508	10114
								7%	20%	8%	12%	9%	7%
							grade 3 events	4059	3768	3842	8001	5248	4004
								3%	2%	3%	5%	3%	3%
							grade 4 events	3889	3630	3840	7971	5079	3935
								3%	2%	3%	5%	3%	3%
							grade 5 events	3851	8192	3996	9918	5230	4532
								3%	5%	3%	6%	3%	3%
							grade 6 events	7346	40046	10067	39029	12891	9215
								5%	25%	8%	25%	9%	7%
							grade 7 events	66367	58578	61090	53702	66015	63407
								52%	37%	49%	34%	46%	49%

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	30.27390198622185
[deg] Pointing Dec	0	37.78003151906813
[deg] Pointing Roll	0.0	191.2346959052576
[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)	404876190.834198	404876189.8092
Observation start date	2010-10-31T01:36:31	2010-10-31T01:36:29
[s] Observation end time (MET)	404886369.084722	404886368.05973
Observation end date	2010-10-31T04:26:09	2010-10-31T04:26:08
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2806430404186

A.2 Comments