

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 59425 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Mar 8 2013

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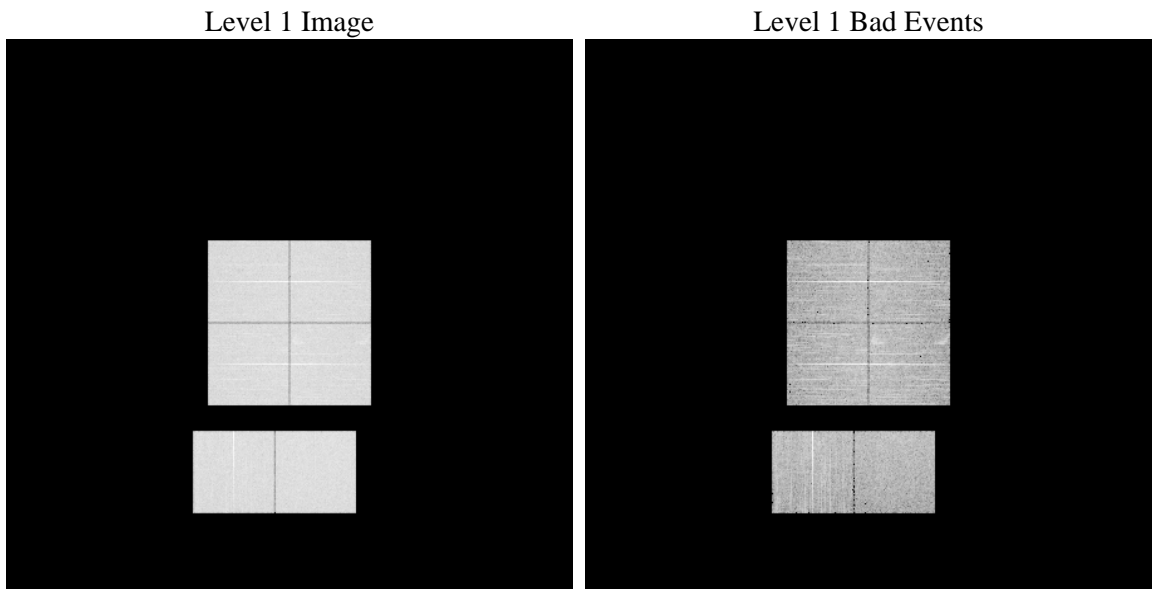
1 Front

seq_num	 	Sequence number
obs_id	59425	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	352.98464629832	Nominal RA [deg]
dec_nom	29.474695744116	Nominal Dec [deg]
roll_nom	209.29253645992	Nominal Roll [deg]
revision	4	Processing version of data
ontime	8284.7999691367	Sum of GTIs [s]
livetime	8179.8928434199	Livetime [s]
ontime0	8284.7999691367	Sum of GTIs [s]
ontime1	8284.7999691367	Sum of GTIs [s]
ontime2	8284.7999691367	Sum of GTIs [s]
ontime3	8281.5590087473	Sum of GTIs [s]
ontime6	8284.7999691367	Sum of GTIs [s]
ontime7	8284.7999691367	Sum of GTIs [s]
l2events	1071877	Number of level 2 events

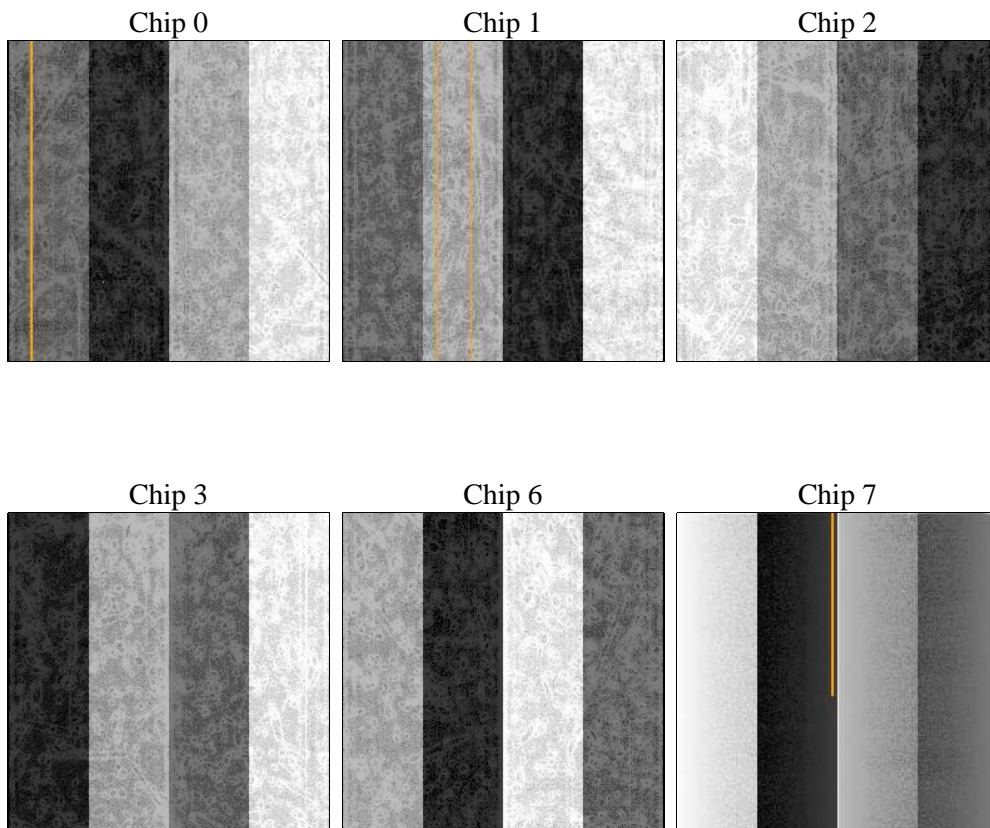
2 OBI

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	8284.7999691367	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8284.7999691367	Sum of GTIs [s]
date	2013-03-08T21:07:22	Date and time of file creation	ontime1	8284.7999691367	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	8284.7999691367	Sum of GTIs [s]
			ontime3	8281.5590087473	Sum of GTIs [s]
			ontime6	8284.7999691367	Sum of GTIs [s]
			ontime7	8284.7999691367	Sum of GTIs [s]
			l1events	1468663	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	236112	236913	244240	244743	250243	256412	grade 0 events	99530	99466	102460	102907	102791	47839
rejected events	54616	54542	60815	60823	59845	50447		42%	41%	41%	42%	41%	18%
rejected %	23%	23%	24%	24%	23%	19%	grade 1 events	555	513	682	635	519	151
								0%	0%	0%	0%	0%	0%
							grade 2 events	31590	32516	30639	31360	32879	44925
								13%	13%	12%	12%	13%	17%
							grade 3 events	11935	11679	12034	11977	11827	20502
								5%	4%	4%	4%	4%	7%
							grade 4 events	11767	11736	12133	11988	11920	20243
								4%	4%	4%	4%	4%	7%
							grade 5 events	3360	3455	3190	3642	3696	8725
								1%	1%	1%	1%	1%	3%
							grade 6 events	26741	27049	26234	25772	31068	72536
								11%	11%	10%	10%	12%	28%
							grade 7 events	50634	50499	56868	56462	55543	41491
								21%	21%	23%	23%	22%	16%

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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	352.9846462983153	Alternating exposures requested	N	N
[deg] Pointing Dec	0	29.4746957441164	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	209.2925364599212			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	244486982.010344	244486980.98534			
Observation start date	2005-09-30T17:03:02	2005-09-30T17:03:00			
[s] Observation end time (MET)	244510593.911421	244510592.88642			
Observation end date	2005-09-30T23:36:34	2005-09-30T23:36:32			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.03.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2847999691367

A.2 Comments

As a consequence of the DEA-A shutdown anomaly on Sep 15th (DOY258), the reported value of the ACIS FP temperature was ~1.3 degrees warmer than the actual temperature. The value for FP temperature reported in the headers of the Level 2 event file and the Mission Timeline files are incorrect by this amount for this processing. However, the temperature is corrected in the processing in order to obtain the correct temperature for the CTI correction. So the calibrated data are correct. If using the FP temp values in the headers of data files (some CIAO tools require this information), investigators should subtract 1.3 degrees from the reported temperature to determine the true temperature.