

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55187 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 23 2012

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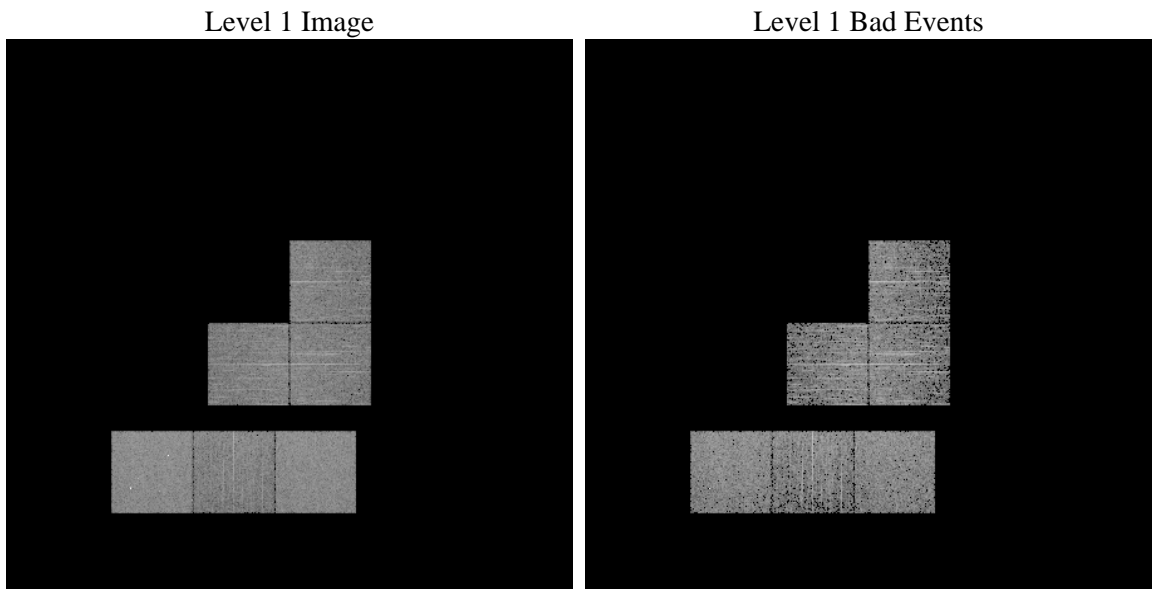
1 Front

seq_num	 	Sequence number
obs_id	55187	Observation id
title	ACIS-123567 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	263.60735879734	Nominal RA [deg]
dec_nom	-38.627802448109	Nominal Dec [deg]
roll_nom	267.53090696799	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3273.1894420981	Sum of GTIs [s]
livetime	3231.7423465042	Livetime [s]
ontime1	3273.1073620915	Sum of GTIs [s]
ontime2	3273.0663220882	Sum of GTIs [s]
ontime3	3273.2304821014	Sum of GTIs [s]
ontime5	3273.1484020948	Sum of GTIs [s]
ontime6	3273.0252820849	Sum of GTIs [s]
ontime7	3273.1894420981	Sum of GTIs [s]
l2events	129475	Number of level 2 events

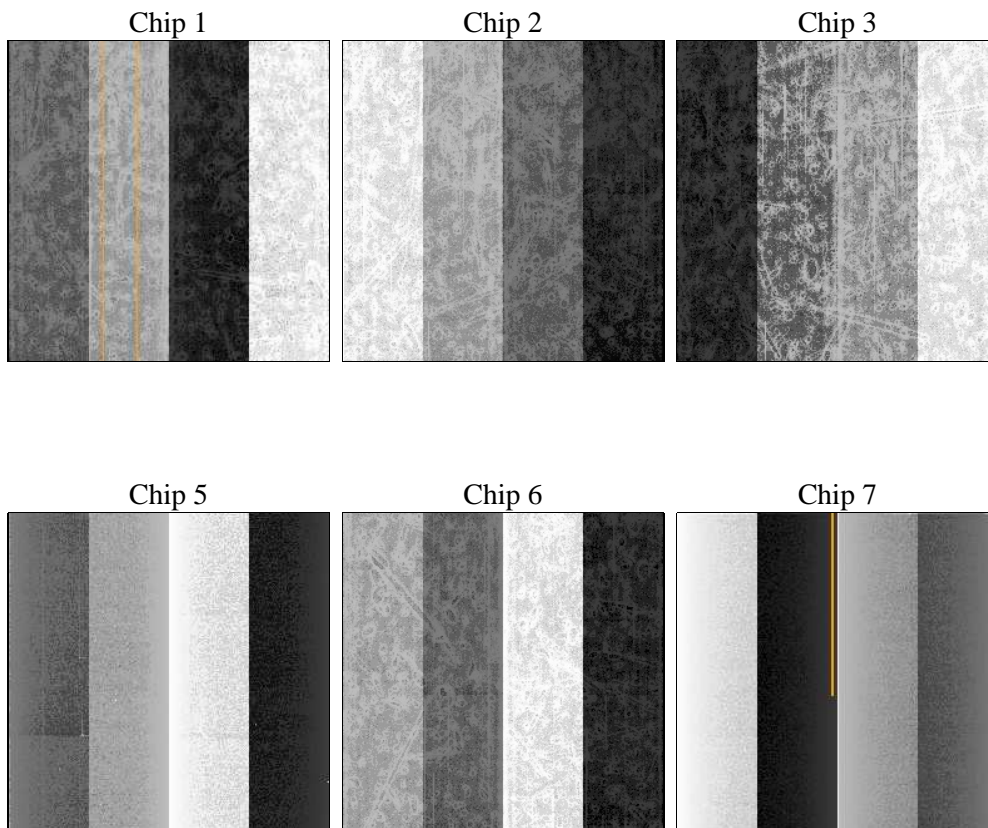
2 OBI

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	8.4.3	Processing system revision	ontime	3273.1894420981	Sum of GTIs [s]
caldbver	4.4.8	 	ontime1	3273.1073620915	Sum of GTIs [s]
date	2012-02-23T04:44:37	Date and time of file creation	ontime2	3273.0663220882	Sum of GTIs [s]
revision	2	Processing version of data	ontime3	3273.2304821014	Sum of GTIs [s]
			ontime5	3273.1484020948	Sum of GTIs [s]
			ontime6	3273.0252820849	Sum of GTIs [s]
			ontime7	3273.1894420981	Sum of GTIs [s]
			l1events	265378	Number of level 1 events

2.1.4 Events

	ccd 1	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	37763	39547	40686	55792	39625	51965
rejected events	19296	21107	21851	23707	20472	22513
rejected %	51%	53%	53%	42%	51%	43%

	ccd 1	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	9389	9861	10097	4414	9858	4912
	24%	24%	24%	7%	24%	9%
grade 1 events	48	68	69	59	52	41
	0%	0%	0%	0%	0%	0%
grade 2 events	3656	3198	3359	11507	3535	6149
	9%	8%	8%	20%	8%	11%
grade 3 events	1262	1316	1280	1380	1247	2730
	3%	3%	3%	2%	3%	5%
grade 4 events	1196	1260	1329	1239	1223	2684
	3%	3%	3%	2%	3%	5%
grade 5 events	1312	1174	1440	3084	1406	3589
	3%	2%	3%	5%	3%	6%
grade 6 events	2964	2805	2770	13545	3290	12977
	7%	7%	6%	24%	8%	24%
grade 7 events	17936	19865	20342	20564	19014	18883
	47%	50%	49%	36%	47%	36%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-123567	ACIS-123567	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	263.6073587973358	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-38.62780244810945	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	267.5309069679911	[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)	432486196.645306	432486195.62031			
Observation start date	2011-09-15T15:03:17	2011-09-15T15:03:15			
[s] Observation end time (MET)	432491424.14558	432491423.12058			
Observation end date	2011-09-15T16:30:24	2011-09-15T16:30:23			
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)	2012.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2731894420981

A.2 Comments

One of two sequential CTI observations intended to test the new FEP video offsets. A Special Activity Request (SAR) submitted by the ACIS Team documents this test.