

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 58072 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Jun 8 2012

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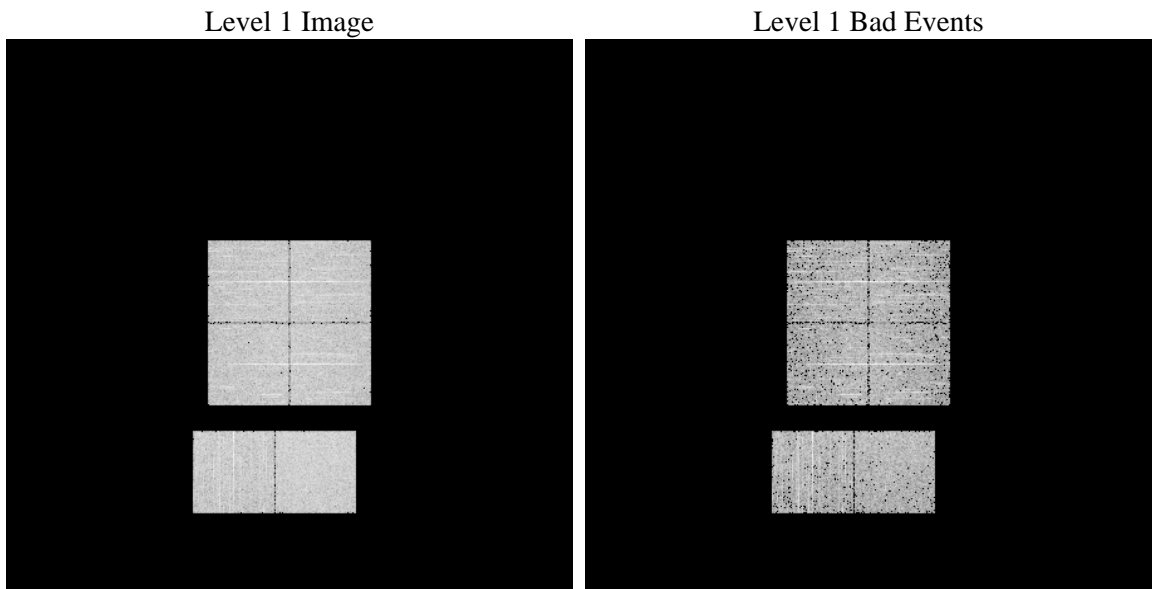
1 Front

seq_num	 	Sequence number
obs_id	58072	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	97.957526735439	Nominal RA [deg]
dec_nom	47.501684786166	Nominal Dec [deg]
roll_nom	143.78746651122	Nominal Roll [deg]
revision	6	Processing version of data
ontime	1705.3346894979	Sum of GTIs [s]
livetime	1683.7407148303	Livetime [s]
ontime0	1705.2936494946	Sum of GTIs [s]
ontime1	1705.2526094913	Sum of GTIs [s]
ontime2	1705.211569488	Sum of GTIs [s]
ontime3	1705.3757295012	Sum of GTIs [s]
ontime6	1705.1705294847	Sum of GTIs [s]
ontime7	1705.3346894979	Sum of GTIs [s]
l2events	134525	Number of level 2 events

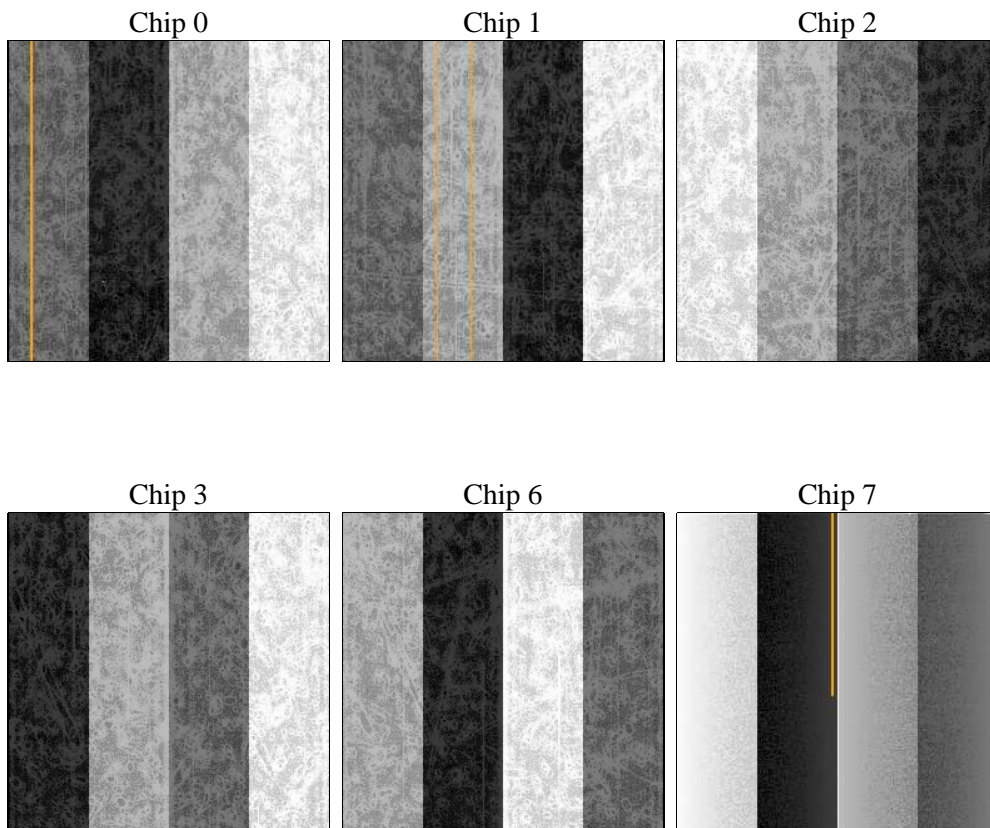
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19200	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1705.3346894979	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	1705.2936494946	Sum of GTIs [s]
date	2012-06-08T23:17:48	Date and time of file creation	ontime1	1705.2526094913	Sum of GTIs [s]
revision	6	Processing version of data	ontime2	1705.211569488	Sum of GTIs [s]
			ontime3	1705.3757295012	Sum of GTIs [s]
			ontime6	1705.1705294847	Sum of GTIs [s]
			ontime7	1705.3346894979	Sum of GTIs [s]
			l1events	261879	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	41859	42117	41465	42748	44921	48769	grade 0 events	13557	13730	14012	14424	14189	6930
rejected events	19867	19793	19302	20005	21699	19372		32%	32%	33%	33%	31%	14%
rejected %	47%	46%	46%	46%	48%	39%	grade 1 events	97	78	83	85	74	39
								0%	0%	0%	0%	0%	0%
							grade 2 events	4596	4628	4348	4480	4619	7313
								10%	10%	10%	10%	10%	14%
							grade 3 events	1653	1666	1710	1766	1751	3213
								3%	3%	4%	4%	3%	6%
							grade 4 events	1705	1671	1654	1774	1717	3258
								4%	3%	3%	4%	3%	6%
							grade 5 events	918	929	885	1050	1029	2480
								2%	2%	2%	2%	2%	5%
							grade 6 events	3794	4004	3718	3581	4402	13043
								9%	9%	8%	8%	9%	26%
							grade 7 events	15539	15411	15055	15588	17140	12493
								37%	36%	36%	36%	38%	25%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	97.95752674373647	97.95752673543906
[deg] Pointing Dec	47.50168477861352	47.50168478616581
[deg] Pointing Roll	143.7874665050316	143.7874665112247
[mm] SIM focus pos	-0.6828225247311905	-0.6828225247311905
[mm] SIM defocus	0.8505140384245529	0.8505140384245529
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	313941153.388387	313941153.388387
Observation start date	2007-12-13T14:24:00	2007-12-13T13:52:33
[s] Observation end time (MET)	313957452.389178	313957452.389178
Observation end date	2007-12-13T19:44:00	2007-12-13T18:24:12
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.7053346894979

A.2 Comments

ACIS side B FEP anomaly occurred during this observation. There was no command issued to end the run due to the anomaly. This processing of the data only includes events received before 347:18:24:12. Events received after that time are unreliable due to ACIS configuration after the anomaly.