

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57839 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : May 13 2012

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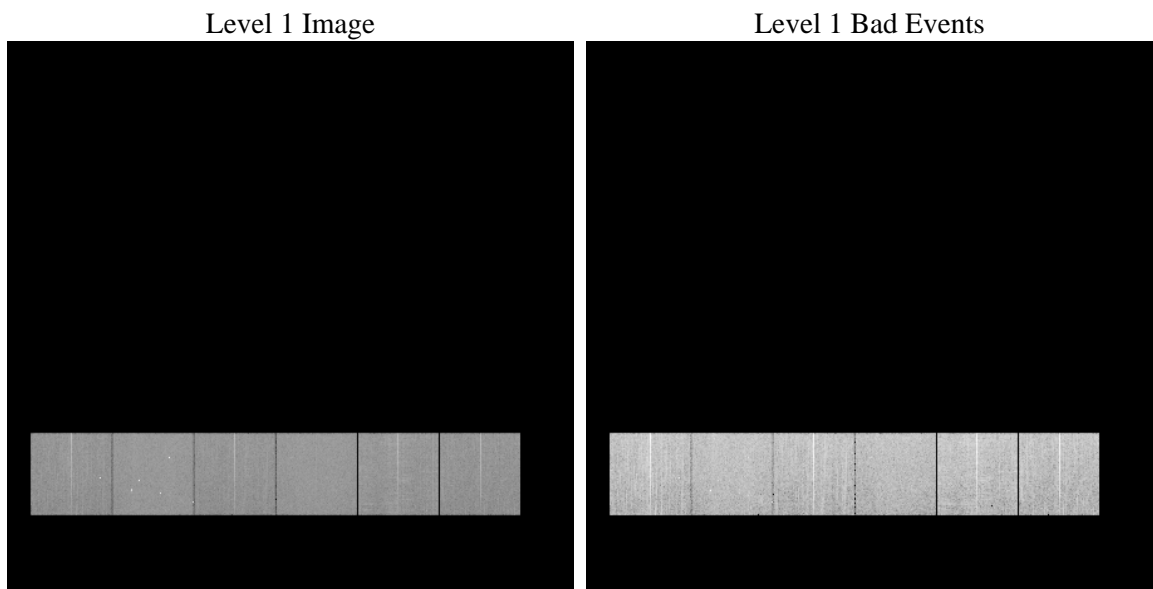
1 Front

seq_num	 	Sequence number
obs_id	57839	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	228.94367290244	Nominal RA [deg]
dec_nom	7.9429544046909	Nominal Dec [deg]
roll_nom	151.62918947231	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8018.0035764575	Sum of GTIs [s]
livetime	7916.4747873103	Livetime [s]
ontime4	8017.8804564476	Sum of GTIs [s]
ontime5	8017.9625364542	Sum of GTIs [s]
ontime6	8017.9214964509	Sum of GTIs [s]
ontime7	8018.0035764575	Sum of GTIs [s]
ontime8	8011.3574755192	Sum of GTIs [s]
ontime9	8018.0446164608	Sum of GTIs [s]
l2events	635588	Number of level 2 events

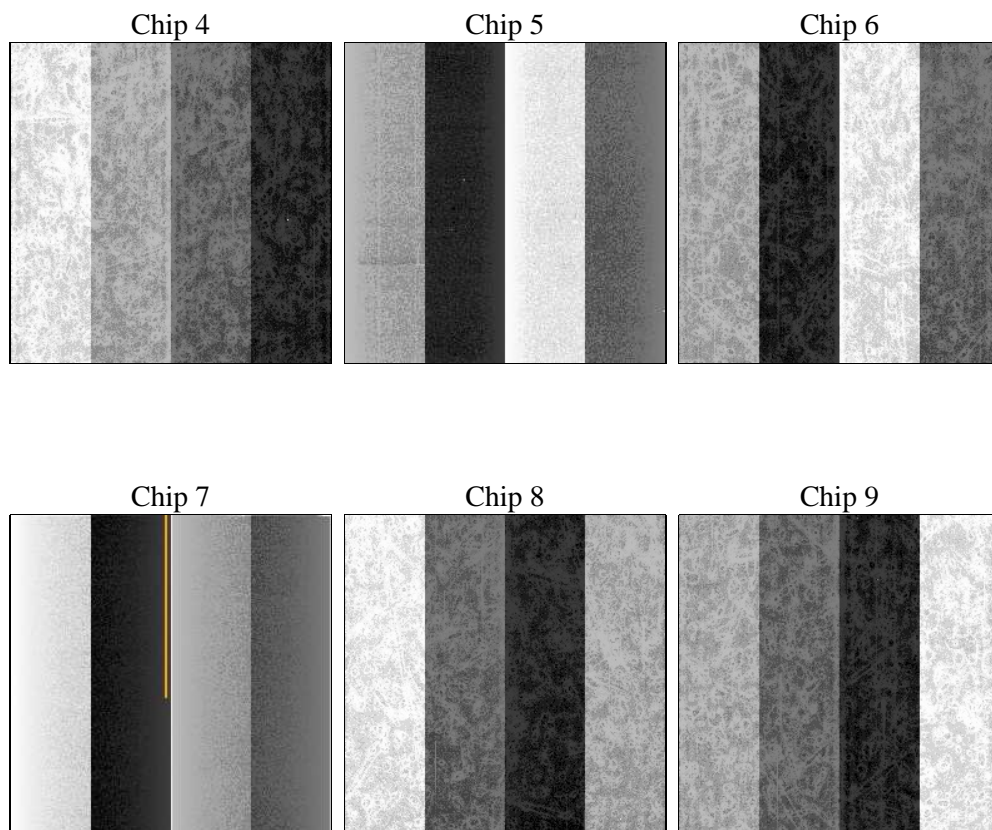
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	17580	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8018.0035764575	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8017.8804564476	Sum of GTIs [s]
date	2012-05-13T15:18:11	Date and time of file creation	ontime5	8017.9625364542	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	8017.9214964509	Sum of GTIs [s]
			ontime7	8018.0035764575	Sum of GTIs [s]
			ontime8	8011.3574755192	Sum of GTIs [s]
			ontime9	8018.0446164608	Sum of GTIs [s]
			l1events	1161340	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	183612	209395	182948	202863	202823	179699	grade 0 events	59395	26045	56837	27658	61000	56299
rejected events	83350	75231	78288	69482	85634	78187		32%	12%	31%	13%	30%	31%
rejected %	45%	35%	42%	34%	42%	43%	grade 1 events	526	296	347	189	411	402
								0%	0%	0%	0%	0%	0%
							grade 2 events	16136	48230	19225	29592	21932	18010
								8%	23%	10%	14%	10%	10%
							grade 3 events	7198	6801	6724	13030	8606	6863
								3%	3%	3%	6%	4%	3%
							grade 4 events	6830	6609	6888	12928	8510	6797
								3%	3%	3%	6%	4%	3%
							grade 5 events	4105	9889	4409	10692	5505	4751
								2%	4%	2%	5%	2%	2%
							grade 6 events	13747	50609	18223	54330	20643	16690
								7%	24%	9%	26%	10%	9%
							grade 7 events	75675	60916	70295	54444	76216	69887
								41%	29%	38%	26%	37%	38%

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	228.9436776138949	228.9436729024446
[deg] Pointing Dec	7.942963932847708	7.942954404690926
[deg] Pointing Roll	151.6291530504289	151.6291894723106
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	325821063.865198	325821063.865198
Observation start date	2008-04-29T02:04:00	2008-04-29T01:51:03
[s] Observation end time (MET)	325842556.951346	325842556.951346
Observation end date	2008-04-29T06:57:00	2008-04-29T07:49:16
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0180035764575

A.2 Comments