

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 54111 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 8 2012

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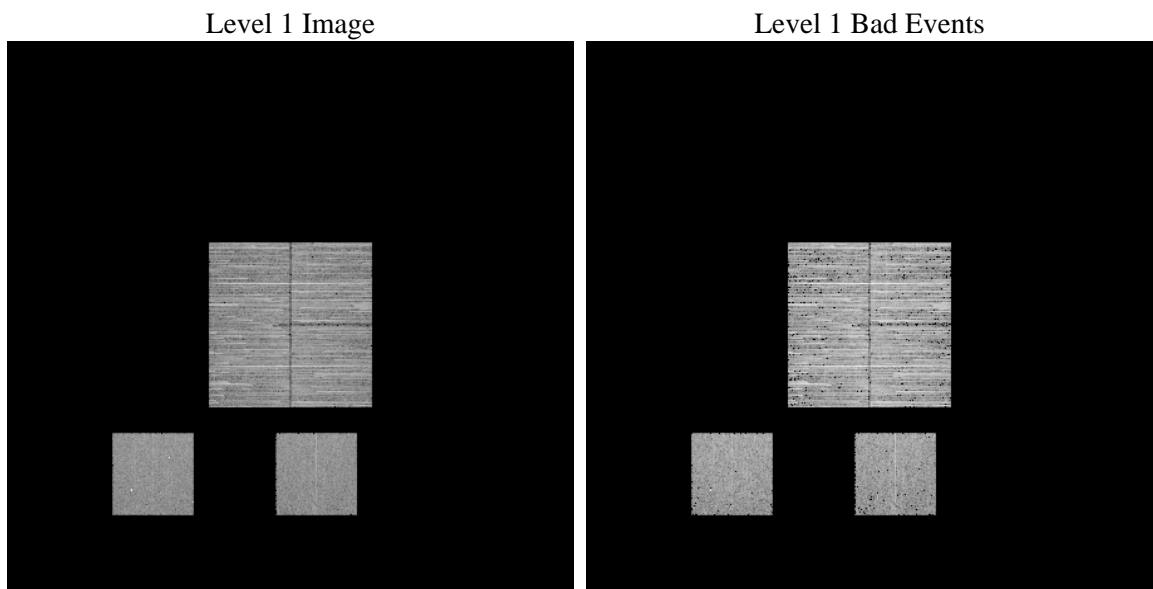
1 Front

seq_num	 	Sequence number
obs_id	54111	Observation id
title	ACIS-012357 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	57.524811636794	Nominal RA [deg]
dec_nom	15.9859855617	Nominal Dec [deg]
roll_nom	294.77832143419	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3183.9506749511	Sum of GTIs [s]
livetime	3143.6335743599	Livetime [s]
ontime0	3183.9096349478	Sum of GTIs [s]
ontime1	3183.8685949445	Sum of GTIs [s]
ontime2	3183.8275549412	Sum of GTIs [s]
ontime3	3183.9917149544	Sum of GTIs [s]
ontime5	3183.7865149379	Sum of GTIs [s]
ontime7	3183.9506749511	Sum of GTIs [s]
l2events	100435	Number of level 2 events

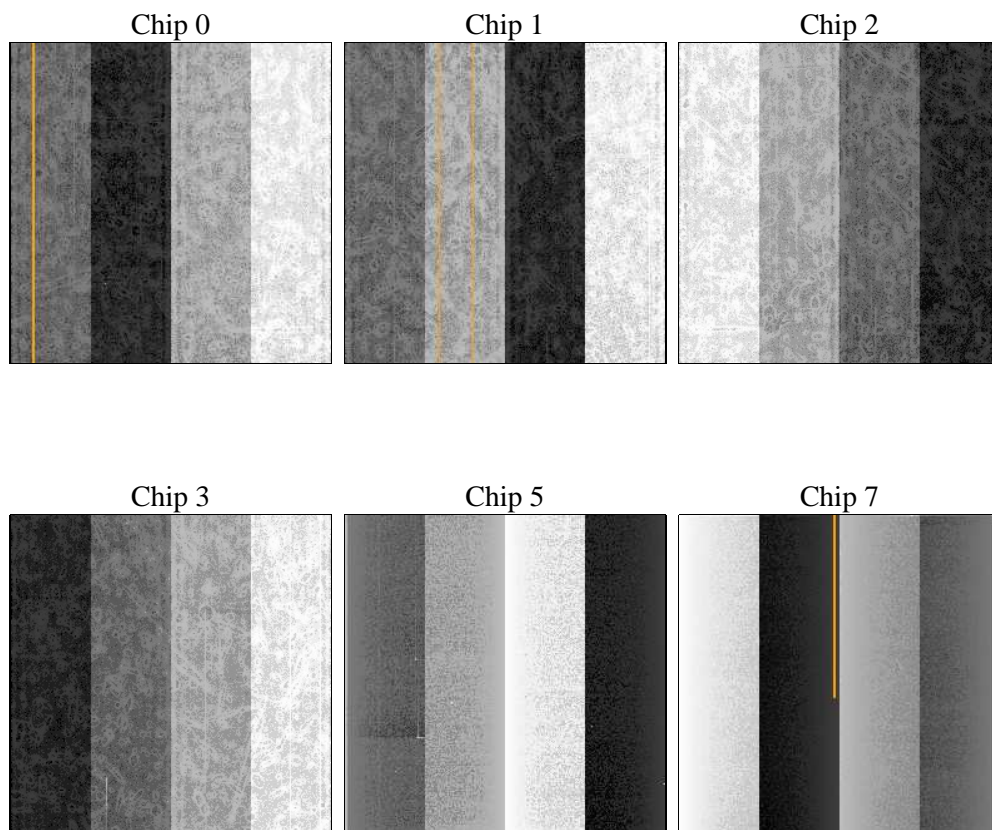
2 OBI

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	Processing system revision	ontime	3183.9506749511	Sum of GTIs [s]
caldbver	4.5.4	 	ontime0	3183.9096349478	Sum of GTIs [s]
date	2012-12-09T02:39:16	Date and time of file creation	ontime1	3183.8685949445	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3183.8275549412	Sum of GTIs [s]
			ontime3	3183.9917149544	Sum of GTIs [s]
			ontime5	3183.7865149379	Sum of GTIs [s]
			ontime7	3183.9506749511	Sum of GTIs [s]
			l1events	388011	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	65835	70164	69092	69232	58354	55334	grade 0 events	7477	7388	7675	7758	3719	4086
rejected events	52088	56404	55157	55390	31936	30447		11%	10%	11%	11%	6%	7%
rejected %	79%	80%	79%	80%	54%	55%	grade 1 events	43	32	40	57	61	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	2884	2899	2853	2700	10324	6532
								4%	4%	4%	3%	17%	11%
							grade 3 events	991	993	1046	1001	1067	2149
								1%	1%	1%	1%	1%	3%
							grade 4 events	966	947	1004	988	1058	2246
								1%	1%	1%	1%	1%	4%
							grade 5 events	1233	1281	1111	1405	2636	3376
								1%	1%	1%	2%	4%	6%
							grade 6 events	2313	2383	2223	2249	11808	11394
								3%	3%	3%	3%	20%	20%
							grade 7 events	49928	54241	53140	53074	27681	25510
								75%	77%	76%	76%	47%	46%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	57.52481163679386
[deg] Pointing Dec	0	15.98598556170044
[deg] Pointing Roll	0.0	294.7783214341948
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	471339732.668563	471339732.668563
Observation start date	2012-12-08T07:42:13	2012-12-08T07:42:12
[s] Observation end time (MET)	471343693.784206	471343693.784206
Observation end date	2012-12-08T08:48:14	2012-12-08T08:48:13
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)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1839506749511

A.2 Comments