V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 56005 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 4 2012

Contents

1 Front

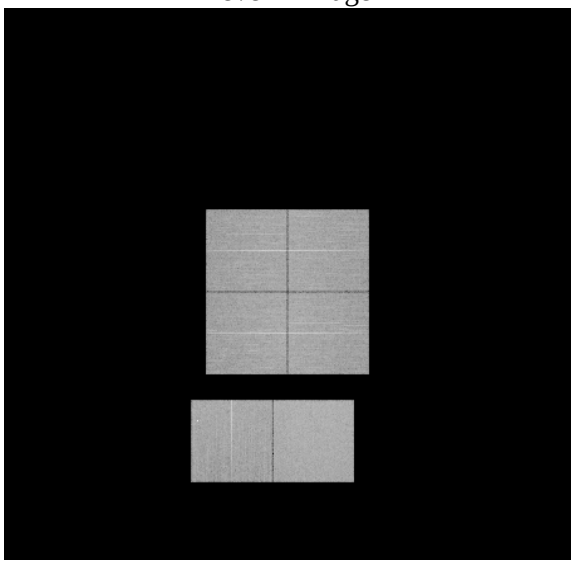
seq_num		Sequence number
obs_id	56005	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	18.755912287014	Nominal RA [deg]
dec_nom	-0.85337887036913	Nominal Dec [deg]
roll_nom	93.993062664666	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8065.7080455422	Sum of GTIs [s]
livetime	7963.5751936833	Livetime [s]
ontime0	8065.6670055389	Sum of GTIs [s]
ontime1	8065.6259655356	Sum of GTIs [s]
ontime2	8065.5849255323	Sum of GTIs [s]
ontime3	8065.7490855455	Sum of GTIs [s]
ontime6	8065.543885529	Sum of GTIs [s]
ontime7	8065.7080455422	Sum of GTIs [s]
l2events	375875	Number of level 2 events

2 OBI

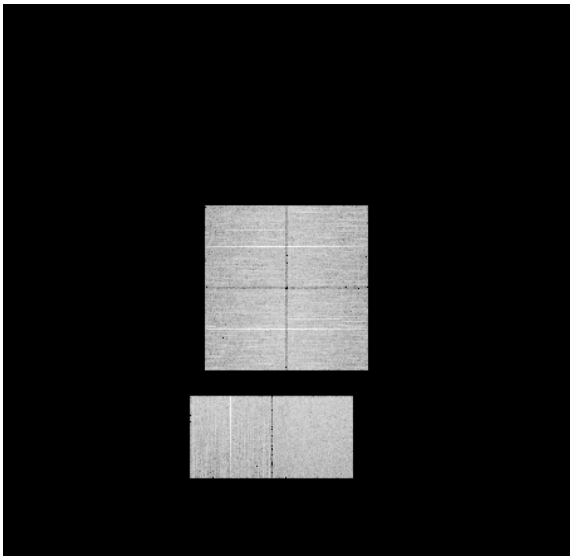
2.1 OBI

2.1.1 Images

Level 1 Image

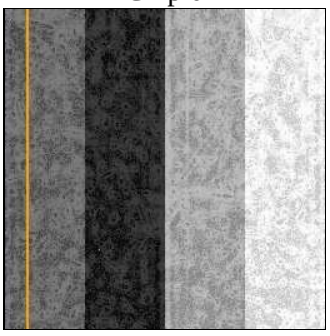


Level 1 Bad Events

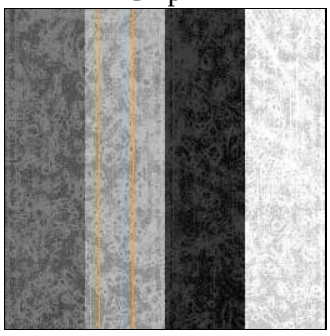


2.1.2 Bias

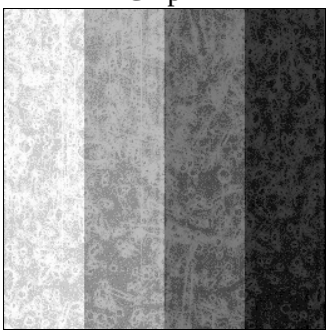
Chip 0



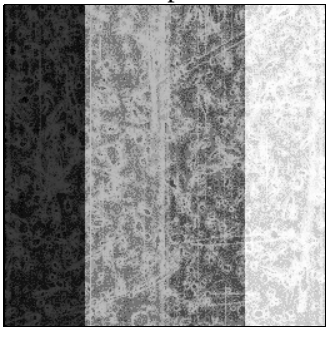
Chip 1



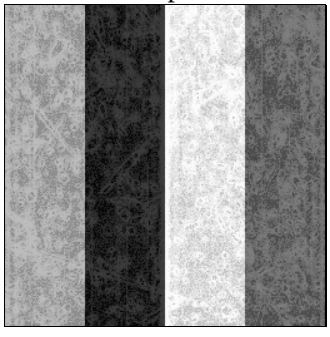
Chip 2



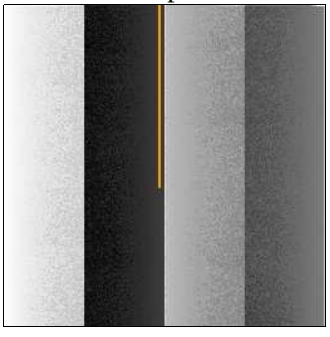
Chip 3



Chip 6



Chip 7



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.4.5	Processing system revision
caldbver	4.5.0	
date	2012-07-04T04:20:29	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	8065.7080455422	Sum of GTIs [s]
ontime0	8065.6670055389	Sum of GTIs [s]
ontime1	8065.6259655356	Sum of GTIs [s]
ontime2	8065.5849255323	Sum of GTIs [s]
ontime3	8065.7490855455	Sum of GTIs [s]
ontime6	8065.543885529	Sum of GTIs [s]
ontime7	8065.7080455422	Sum of GTIs [s]
l1events	785294	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	121640	122919	125833	127009	128589	159304
rejected events	61163	62061	65946	66294	65198	66349
rejected %	50%	50%	52%	52%	50%	41%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	32829	32445	33176	33741	33740	17146
	26%	26%	26%	26%	26%	10%
grade 1 events	208	160	218	231	220	137
	0%	0%	0%	0%	0%	0%
grade 2 events	11430	12146	10855	10920	11949	20755
	9%	9%	8%	8%	9%	13%
grade 3 events	4197	4096	4268	4295	4235	8628
	3%	3%	3%	3%	3%	5%
grade 4 events	4264	4145	4230	4278	4181	8689
	3%	3%	3%	3%	3%	5%
grade 5 events	3663	3851	3512	4220	4127	10198
	3%	3%	2%	3%	3%	6%
grade 6 events	9623	9953	9144	9386	11302	40450
	7%	8%	7%	7%	8%	25%
grade 7 events	55426	56123	60430	59938	58835	53301
	45%	45%	48%	47%	45%	33%

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	0	18.7559122870136
[deg] Pointing Dec	0	-0.8533788703691254
[deg] Pointing Roll	0.0	93.99306266466571
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	402099275.041411	402099275.041411
Observation start date	2010-09-28T22:14:35	2010-09-28T22:14:35
[s] Observation end time (MET)	402108822.973822	402108822.973822
Observation end date	2010-09-29T00:53:43	2010-09-29T00:53:42
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0657080455422

A.2 Comments