V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 56853 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 12 2012

Contents

1 Front

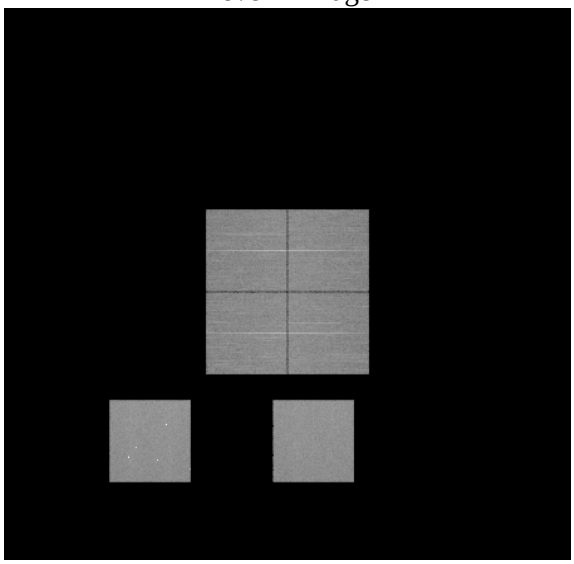
seq_num		Sequence number
obs_id	56853	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	353.46846881097	Nominal RA [deg]
dec_nom	27.693129046291	Nominal Dec [deg]
roll_nom	160.99926832976	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8454.3999685645	Sum of GTIs [s]
livetime	8347.3452655341	Livetime [s]
ontime0	8454.3999685645	Sum of GTIs [s]
ontime1	8454.3743119836	Sum of GTIs [s]
ontime2	8454.3332719803	Sum of GTIs [s]
ontime3	8454.3999685645	Sum of GTIs [s]
ontime5	8454.292231977	Sum of GTIs [s]
ontime7	8454.3999685645	Sum of GTIs [s]
l2events	509452	Number of level 2 events

2 OBI

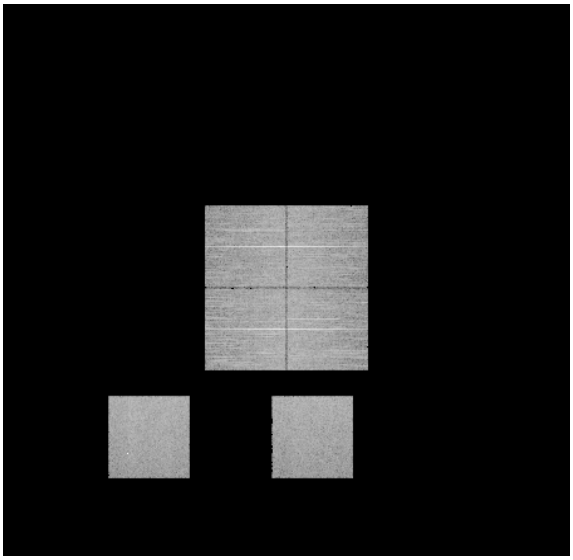
2.1 OBI

2.1.1 Images

Level 1 Image

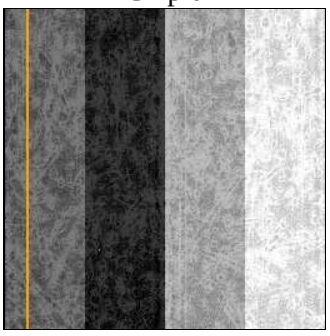


Level 1 Bad Events

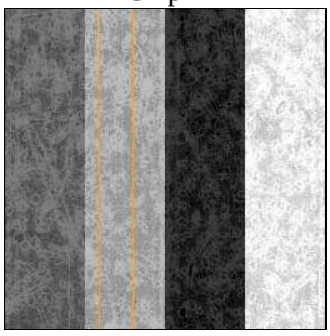


2.1.2 Bias

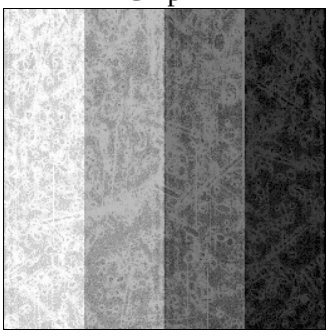
Chip 0



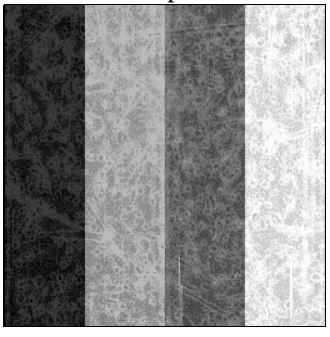
Chip 1



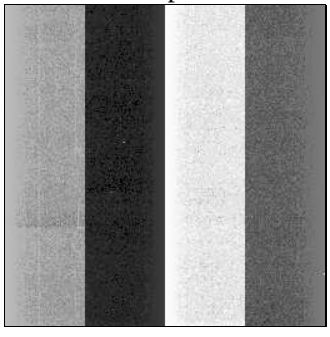
Chip 2



Chip 3



Chip 5



Chip 7

2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.4.5	Processing system revision
caldbver	4.4.10	
date	2012-06-12T16:53:07	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	8454.3999685645	Sum of GTIs [s]
ontime0	8454.3999685645	Sum of GTIs [s]
ontime1	8454.3743119836	Sum of GTIs [s]
ontime2	8454.3332719803	Sum of GTIs [s]
ontime3	8454.3999685645	Sum of GTIs [s]
ontime5	8454.292231977	Sum of GTIs [s]
ontime7	8454.3999685645	Sum of GTIs [s]
l1events	998516	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	149605	150073	157780	155995	197373	187690
rejected events	73746	73956	82111	80096	76261	72266
rejected %	49%	49%	52%	51%	38%	38%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
grade 0 events	40285	39558	40898	41255	19600	21137
	26%	26%	25%	26%	9%	11%
grade 1 events	313	273	348	318	249	152
	0%	0%	0%	0%	0%	0%
grade 2 events	13786	14424	13247	13366	42550	25068
	9%	9%	8%	8%	21%	13%
grade 3 events	5123	5190	5228	5037	5195	10765
	3%	3%	3%	3%	2%	5%
grade 4 events	5136	5010	5201	5232	5055	10438
	3%	3%	3%	3%	2%	5%
grade 5 events	4235	4296	4095	4664	10183	11650
	2%	2%	2%	2%	5%	6%
grade 6 events	11529	11935	11095	11009	48712	48016
	7%	7%	7%	7%	24%	25%
grade 7 events	69198	69387	77668	75114	65829	60464
	46%	46%	49%	48%	33%	32%

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	353.468468810967
[deg] Pointing Dec	0	27.6931290462913
[deg] Pointing Roll	0.0	160.9992683297627
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	368325767.277125	368325766.25213
Observation start date	2009-09-03T00:42:47	2009-09-03T00:42:46
[s] Observation end time (MET)	368335947.577635	368335946.55264
Observation end date	2009-09-03T03:32:28	2009-09-03T03:32:26
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2012.06.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4543999685645

A.2 Comments