

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56907 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 11 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

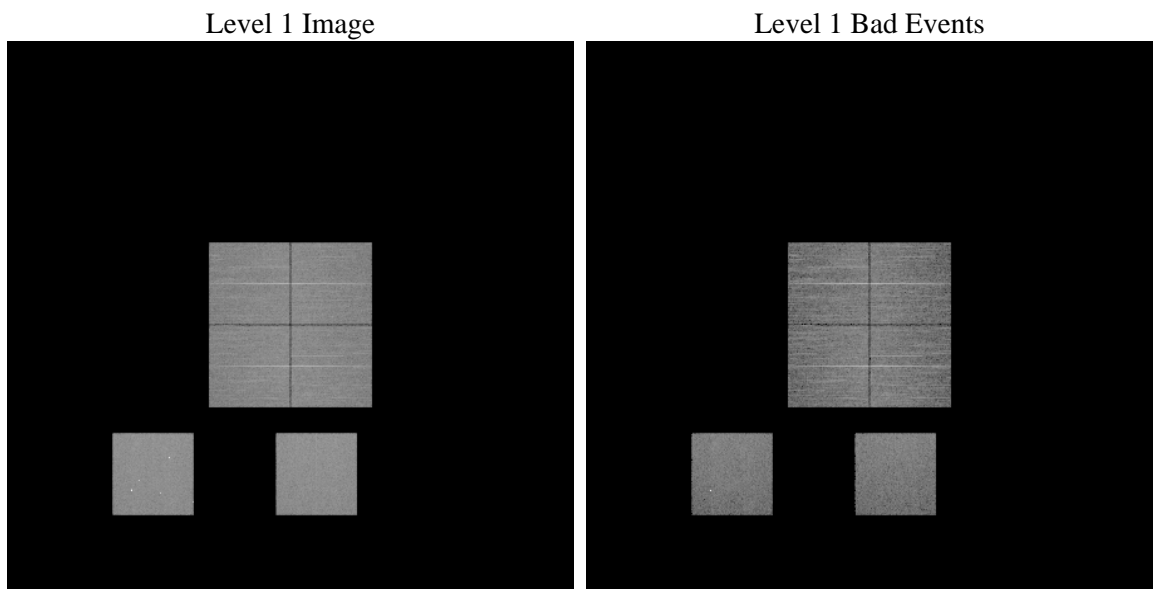
1 Front

seq_num	 	Sequence number
obs_id	56907	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	280.03796904445	Nominal RA [deg]
dec_nom	-40.011073298904	Nominal Dec [deg]
roll_nom	295.57313564852	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999692321	Sum of GTIs [s]
livetime	8170.4144044945	Livetime [s]
ontime0	8275.1999692321	Sum of GTIs [s]
ontime1	8275.1999692321	Sum of GTIs [s]
ontime2	8275.1999692321	Sum of GTIs [s]
ontime3	8275.1999692321	Sum of GTIs [s]
ontime5	8275.1999692321	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
l2events	502826	Number of level 2 events

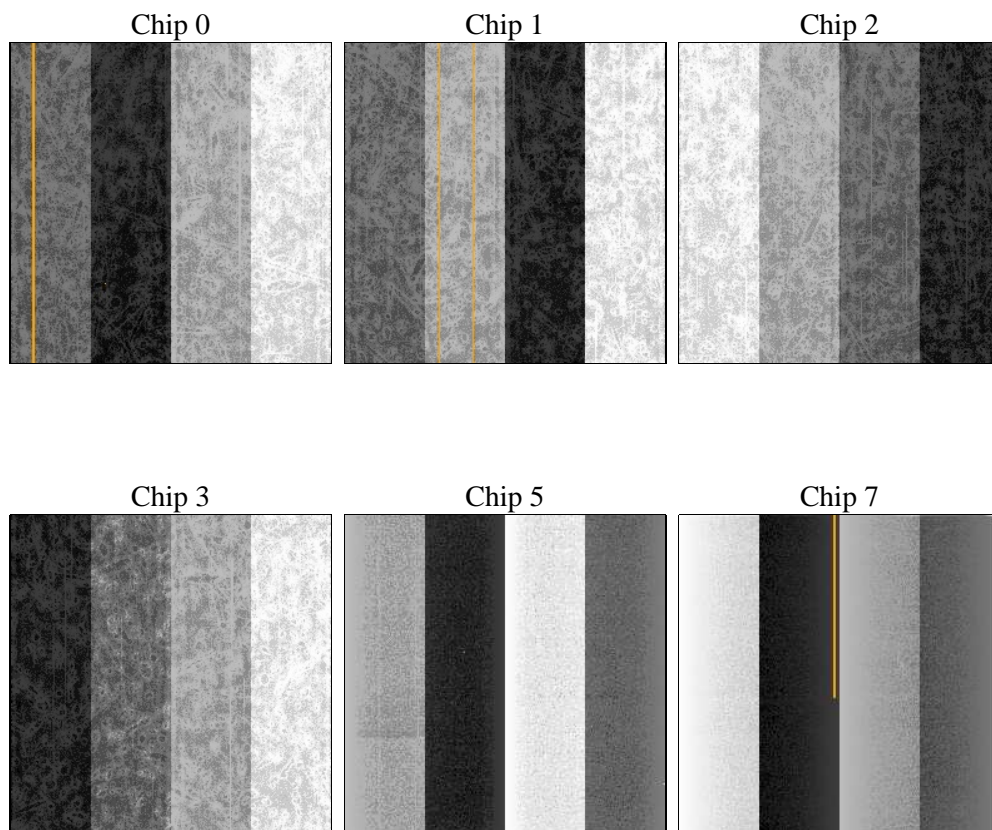
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8275.1999692321	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	8275.1999692321	Sum of GTIs [s]
date	2012-06-11T15:27:21	Date and time of file creation	ontime1	8275.1999692321	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8275.1999692321	Sum of GTIs [s]
			ontime3	8275.1999692321	Sum of GTIs [s]
			ontime5	8275.1999692321	Sum of GTIs [s]
			ontime7	8275.1999692321	Sum of GTIs [s]
			l1events	972081	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	148126	146451	151917	152343	189723	183521	grade 0 events	40213	39699	40588	41321	17562	20778
rejected events	72978	70578	77103	76268	74266	70849		27%	27%	26%	27%	9%	11%
rejected %	49%	48%	50%	50%	39%	38%	grade 1 events	323	254	322	318	208	165
								0%	0%	0%	0%	0%	0%
							grade 2 events	13612	14432	12889	13203	40695	24527
								9%	9%	8%	8%	21%	13%
							grade 3 events	5096	4931	5143	5136	5209	10268
								3%	3%	3%	3%	2%	5%
							grade 4 events	4998	5024	5142	5279	5031	10172
								3%	3%	3%	3%	2%	5%
							grade 5 events	4037	4239	3927	4486	10371	11394
								2%	2%	2%	2%	5%	6%
							grade 6 events	11229	11787	11052	11136	46960	46927
								7%	8%	7%	7%	24%	25%
							grade 7 events	68618	66085	72854	71464	63687	59290
								46%	45%	47%	46%	33%	32%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	280.0379690444528	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-40.01107329890408	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	295.5731356485243	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	365996694.510489	365996693.48547			
Observation start date	2009-08-07T01:44:55	2009-08-07T01:44:53			
[s] Observation end time (MET)	366011188.011215	366011186.9862			
Observation end date	2009-08-07T05:46:28	2009-08-07T05:46:26			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999692321

A.2 Comments