

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56781 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 14 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

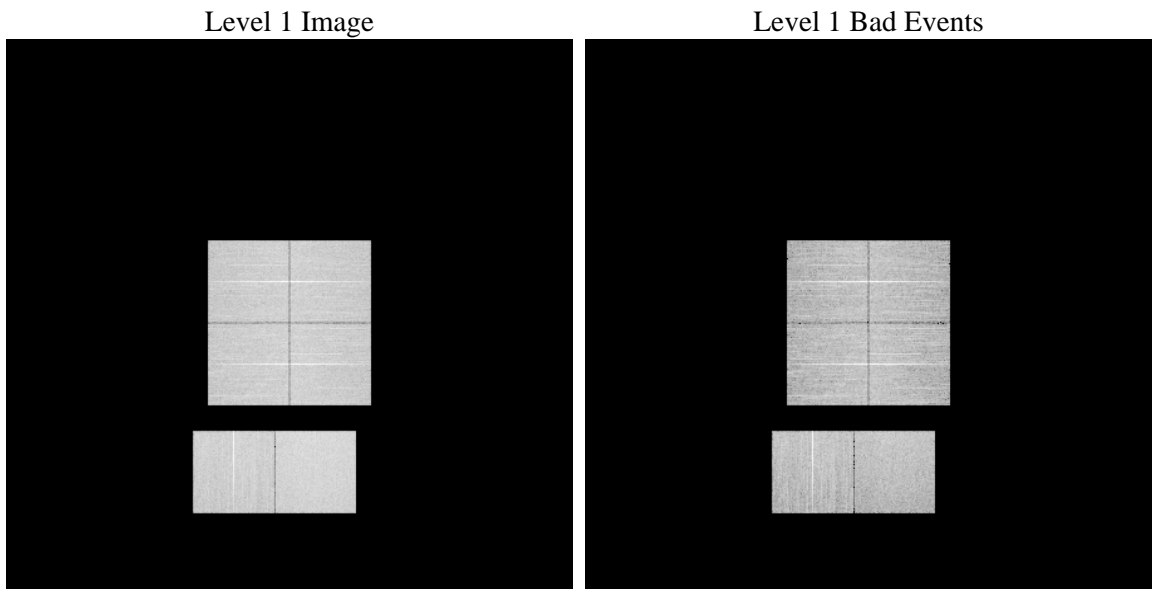
1 Front

seq_num	 	Sequence number
obs_id	56781	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	350.41447521969	Nominal RA [deg]
dec_nom	17.176554341683	Nominal Dec [deg]
roll_nom	242.02443830994	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8025.5999701619	Sum of GTIs [s]
livetime	7923.9749909036	Livetime [s]
ontime0	8025.5999701619	Sum of GTIs [s]
ontime1	8022.3589498401	Sum of GTIs [s]
ontime2	8025.5999701619	Sum of GTIs [s]
ontime3	8022.3589399457	Sum of GTIs [s]
ontime6	8025.5999701619	Sum of GTIs [s]
ontime7	8025.5999701619	Sum of GTIs [s]
l2events	439248	Number of level 2 events

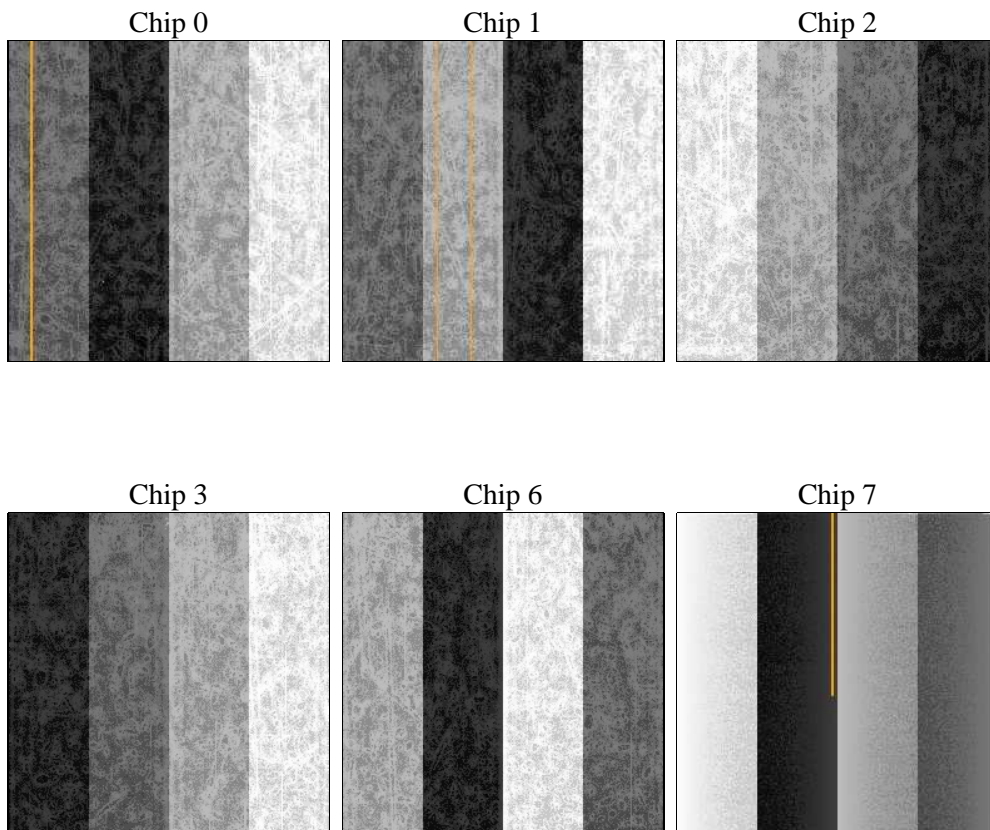
2 OBI

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	8.4.5	Processing system revision	ontime	8025.5999701619	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	8025.5999701619	Sum of GTIs [s]
date	2012-06-14T15:59:24	Date and time of file creation	ontime1	8022.3589498401	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8025.5999701619	Sum of GTIs [s]
			ontime3	8022.3589399457	Sum of GTIs [s]
			ontime6	8025.5999701619	Sum of GTIs [s]
			ontime7	8025.5999701619	Sum of GTIs [s]
			l1events	936519	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	146625	146729	149933	152823	156196	184213	grade 0 events	38653	38017	39442	39567	38979	20284
rejected events	76170	75959	79528	81941	83160	75260		26%	25%	26%	25%	24%	11%
rejected %	51%	51%	53%	53%	53%	40%	grade 1 events	266	266	335	355	256	182
								0%	0%	0%	0%	0%	0%
							grade 2 events	13324	13713	12513	12664	13685	24372
								9%	9%	8%	8%	8%	13%
							grade 3 events	4909	4855	4988	5141	5046	10495
								3%	3%	3%	3%	3%	5%
							grade 4 events	4869	5015	4958	5005	4886	10202
								3%	3%	3%	3%	3%	5%
							grade 5 events	4205	4213	3916	4672	4339	11787
								2%	2%	2%	3%	2%	6%
							grade 6 events	10954	11338	10688	10694	12699	46920
								7%	7%	7%	6%	8%	25%
							grade 7 events	69445	69312	73093	74725	76306	59971
								47%	47%	48%	48%	48%	32%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
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	350.4144752196921	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	17.17655434168322	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	242.0244383099401	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119			
[mm] SIM defocus	0.8505140384245534	0.8505140384245534			
[mm] SIM translation stage pos	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	371251804.174059	371251804.174059			
Observation start date	2009-10-06T21:30:04	2009-10-06T21:30:04			
[s] Observation end time (MET)	371261353.344229	371261353.344229			
Observation end date	2009-10-07T00:09:13	2009-10-07T00:09:13			
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)	2012.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0255999701619

A.2 Comments