

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58184 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : May 2 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

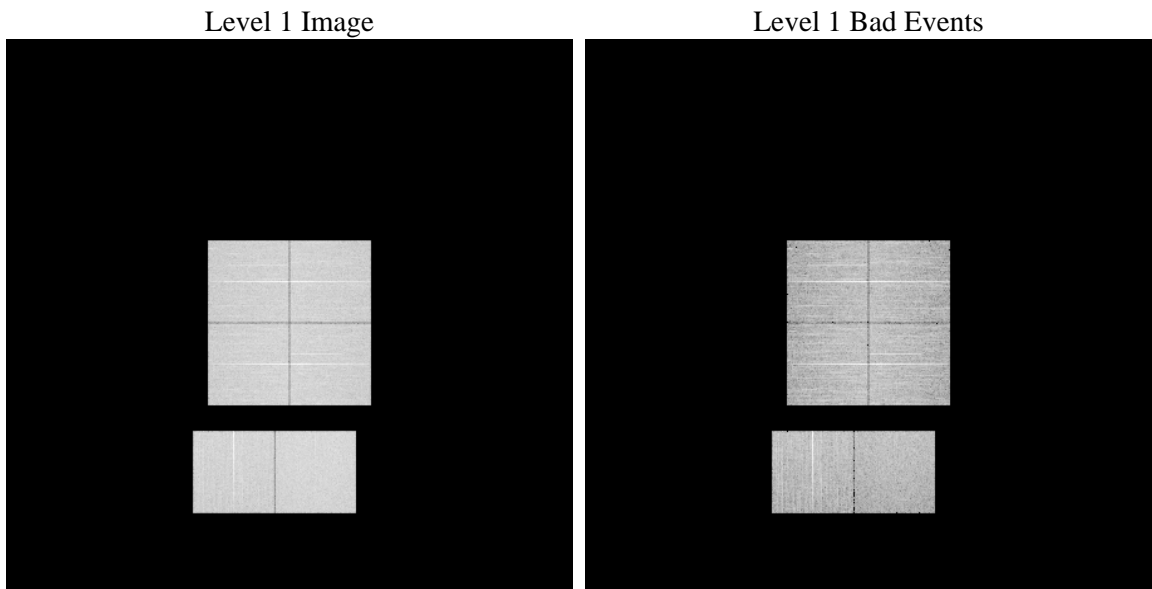
1 Front

seq_num	 	Sequence number
obs_id	58184	Observation id
title	ACIS-012367 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	253.25822998515	Nominal RA [deg]
dec_nom	-20.686217014541	Nominal Dec [deg]
roll_nom	264.34384434109	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7654.0804336667	Sum of GTIs [s]
livetime	7557.1598584817	Livetime [s]
ontime0	7654.0393936634	Sum of GTIs [s]
ontime1	7653.9983536601	Sum of GTIs [s]
ontime2	7653.9573136568	Sum of GTIs [s]
ontime3	7654.12147367	Sum of GTIs [s]
ontime6	7653.9162736535	Sum of GTIs [s]
ontime7	7654.0804336667	Sum of GTIs [s]
l2events	639989	Number of level 2 events

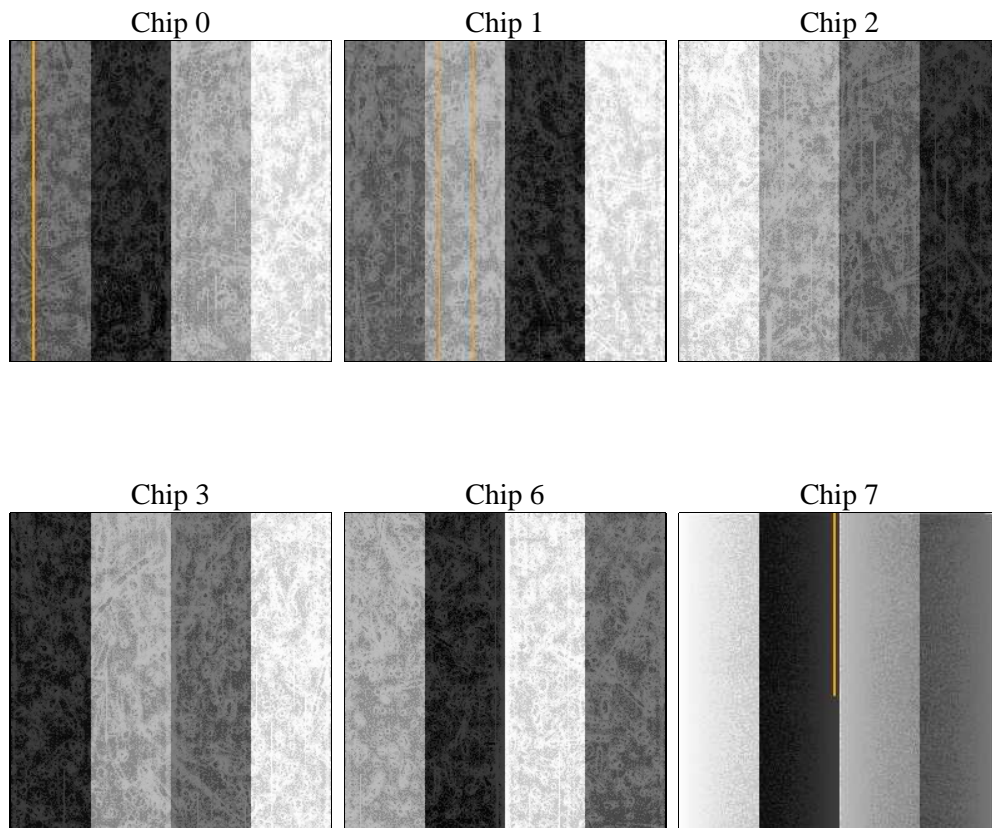
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6360	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7654.0804336667	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	7654.0393936634	Sum of GTIs [s]
date	2012-05-02T10:00:05	Date and time of file creation	ontime1	7653.9983536601	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7653.9573136568	Sum of GTIs [s]
			ontime3	7654.12147367	Sum of GTIs [s]
			ontime6	7653.9162736535	Sum of GTIs [s]
			ontime7	7654.0804336667	Sum of GTIs [s]
			l1events	1099676	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	172866	175481	181443	182251	185325	202310	grade 0 events	58374	57888	60440	60181	59655	29083
rejected events	67234	68882	74622	75040	75234	63845		33%	32%	33%	33%	32%	14%
rejected %	38%	39%	41%	41%	40%	31%	grade 1 events	395	348	453	454	359	131
								0%	0%	0%	0%	0%	0%
							grade 2 events	19056	20192	18336	18909	19681	31077
								11%	11%	10%	10%	10%	15%
							grade 3 events	7162	6864	7251	7373	7169	13510
								4%	3%	3%	4%	3%	6%
							grade 4 events	7099	6948	7219	7435	7168	13110
								4%	3%	3%	4%	3%	6%
							grade 5 events	3612	3718	3477	4158	4158	10173
								2%	2%	1%	2%	2%	5%
							grade 6 events	16101	16777	15699	15510	18660	54408
								9%	9%	8%	8%	10%	26%
							grade 7 events	61067	62746	68568	68231	68475	50818
								35%	35%	37%	37%	36%	25%

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	253.2582297491761	253.2582299851524	Subarray requested	NONE	NONE
[deg] Pointing Dec	-20.68621715894374	-20.68621701454062	Alternating exposures requested	N	N
[deg] Pointing Roll	264.3438442696057	264.343844341089	[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	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	307732422.638724	307732422.638724			
Observation start date	2007-10-02T17:32:00	2007-10-02T17:13:42			
[s] Observation end time (MET)	307741940.747263	307741940.747263			
Observation end date	2007-10-02T19:18:00	2007-10-02T19:52:20			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.6540804336667

A.2 Comments