

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53700 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 13 2013

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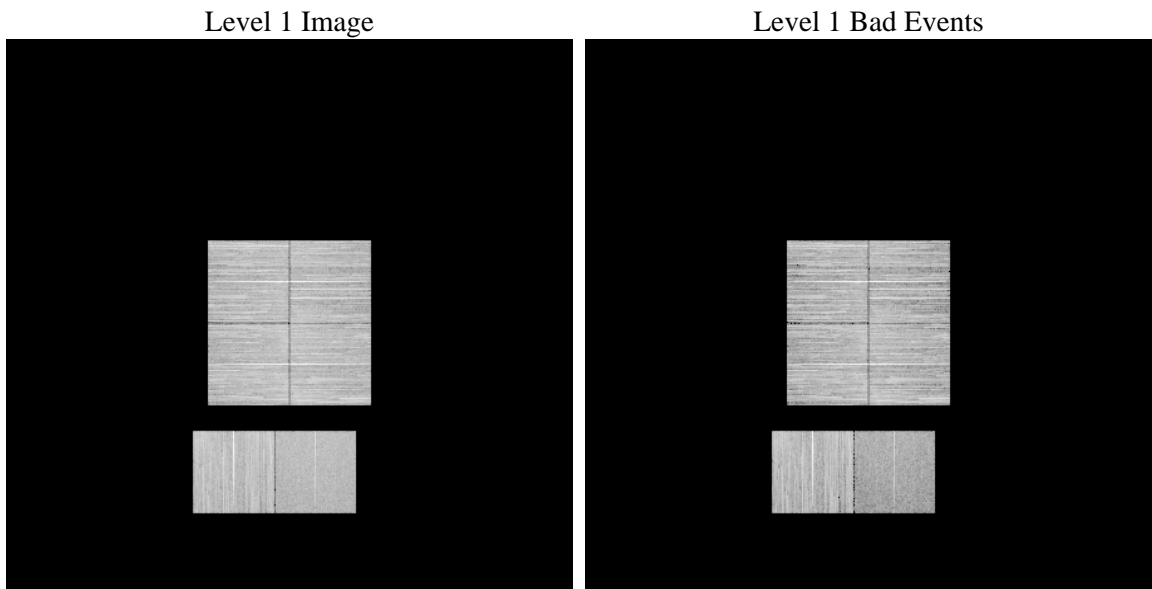
1 Front

seq_num	 	Sequence number
obs_id	53700	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	271.82009162326	Nominal RA [deg]
dec_nom	-9.5762088791801	Nominal Dec [deg]
roll_nom	100.55711139856	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8201.3453367352	Sum of GTIs [s]
livetime	8097.4949638242	Livetime [s]
ontime0	8201.3042967319	Sum of GTIs [s]
ontime1	8201.2632567286	Sum of GTIs [s]
ontime2	8201.2222167253	Sum of GTIs [s]
ontime3	8201.3863767385	Sum of GTIs [s]
ontime6	8201.181176722	Sum of GTIs [s]
ontime7	8201.3453367352	Sum of GTIs [s]
l2events	211405	Number of level 2 events

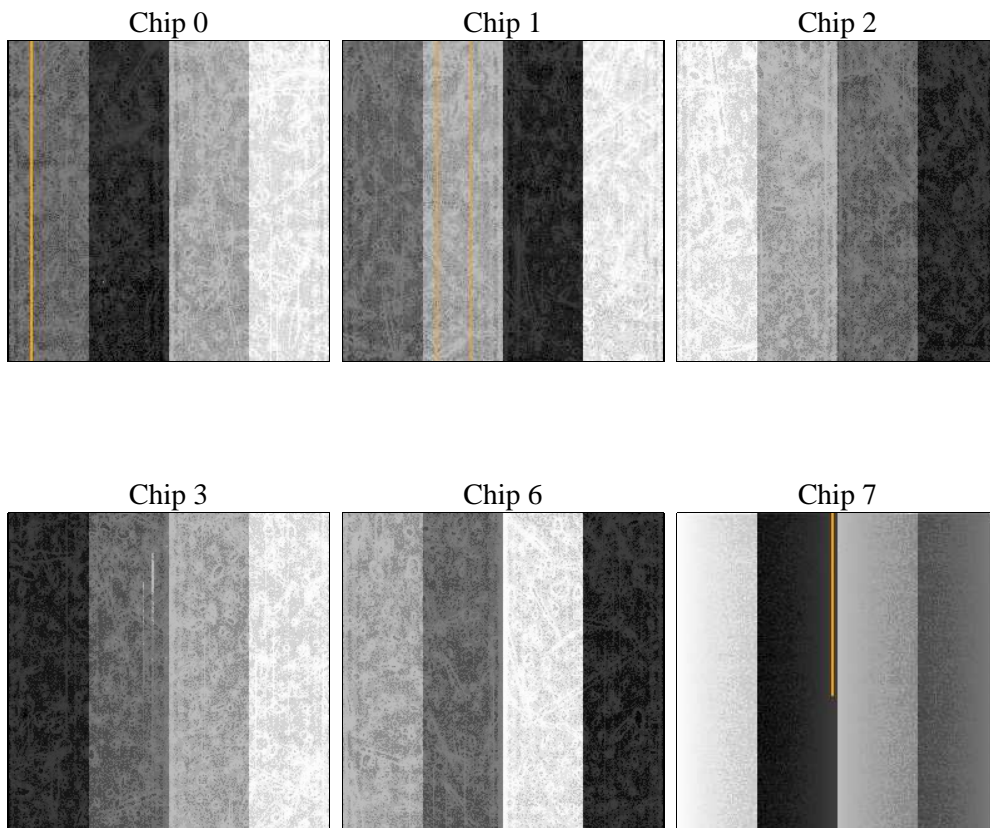
2 OBI

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	8.5.1.1	Processing system revision	ontime	8201.3453367352	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8201.3042967319	Sum of GTIs [s]
date	2013-05-13T19:23:46	Date and time of file creation	ontime1	8201.2632567286	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8201.2222167253	Sum of GTIs [s]
			ontime3	8201.3863767385	Sum of GTIs [s]
			ontime6	8201.181176722	Sum of GTIs [s]
			ontime7	8201.3453367352	Sum of GTIs [s]
			l1events	929450	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	160986	150618	161366	160864	166401	129215	grade 0 events	16683	16194	17167	17266	17217	8911
rejected events	128646	118294	128796	128131	132214	69279		10%	10%	10%	10%	10%	6%
rejected %	79%	78%	79%	79%	79%	53%	grade 1 events	85	85	106	95	77	98
								0%	0%	0%	0%	0%	0%
							grade 2 events	6566	6712	6334	6312	6856	14828
								4%	4%	3%	3%	4%	11%
							grade 3 events	2214	2138	2280	2303	2289	5094
								1%	1%	1%	1%	1%	3%
							grade 4 events	2185	2147	2273	2333	2309	5037
								1%	1%	1%	1%	1%	3%
							grade 5 events	2974	2987	2749	3295	3188	8007
								1%	1%	1%	2%	1%	6%
							grade 6 events	5051	5516	4900	4901	5907	26777
								3%	3%	3%	3%	3%	20%
							grade 7 events	125228	114839	125557	124359	128558	60463
								77%	76%	77%	77%	77%	46%

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	271.8200916232584
[deg] Pointing Dec	0	-9.576208879180061
[deg] Pointing Roll	0.0	100.5571113985618
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	484813348.146612	484813348.146612
Observation start date	2013-05-13T06:22:28	2013-05-13T06:22:28
[s] Observation end time (MET)	484822894.91351	484822894.91351
Observation end date	2013-05-13T09:01:35	2013-05-13T09:01:34
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2013453367352

A.2 Comments