

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53886 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 6 2013

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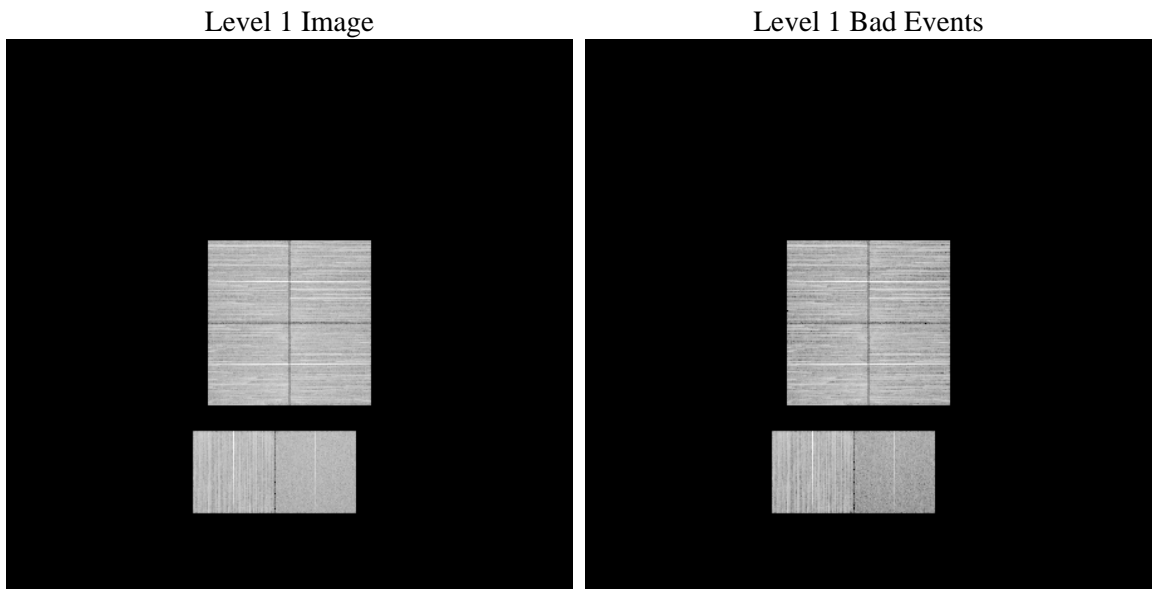
1 Front

seq_num	 	Sequence number
obs_id	53886	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	139.0120996873	Nominal RA [deg]
dec_nom	10.973847356054	Nominal Dec [deg]
roll_nom	261.50098549014	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8153.4046936631	Sum of GTIs [s]
livetime	8050.1613740411	Livetime [s]
ontime0	8030.2044880986	Sum of GTIs [s]
ontime1	8052.8507090807	Sum of GTIs [s]
ontime2	8043.0865587592	Sum of GTIs [s]
ontime3	8033.5275891423	Sum of GTIs [s]
ontime6	8039.8044692278	Sum of GTIs [s]
ontime7	8153.4046936631	Sum of GTIs [s]
l2events	213223	Number of level 2 events

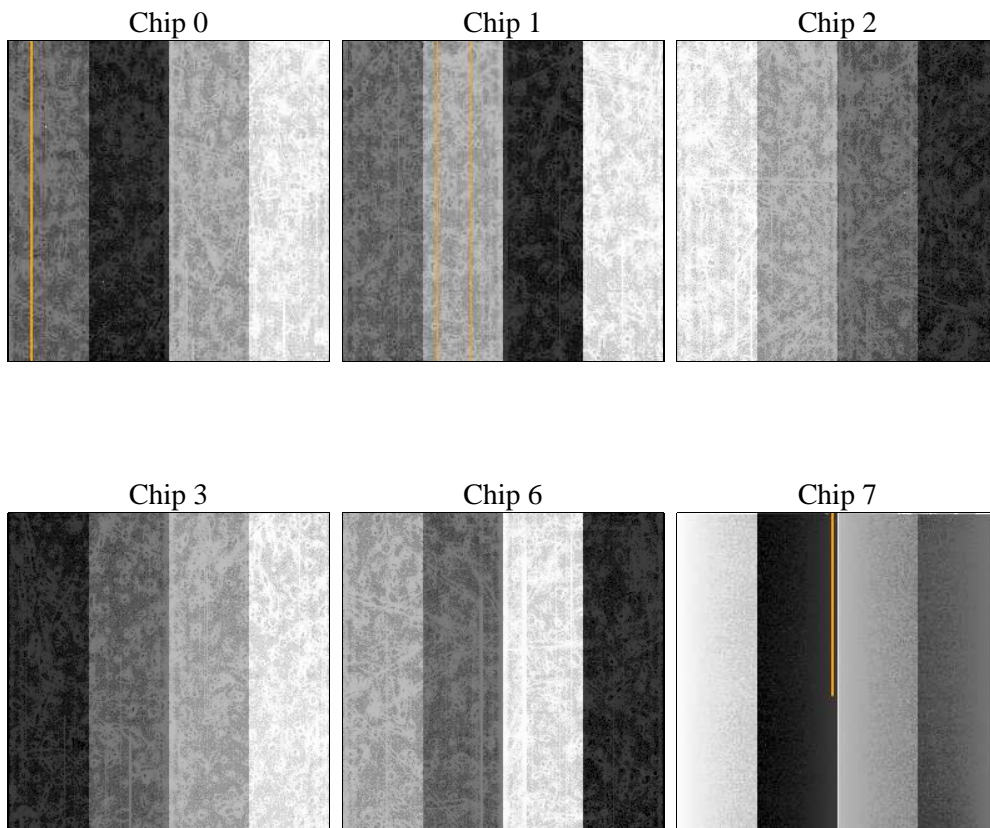
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	8153.4046936631	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8030.2044880986	Sum of GTIs [s]
date	2013-03-06T09:47:41	Date and time of file creation	ontime1	8052.8507090807	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8043.0865587592	Sum of GTIs [s]
			ontime3	8033.5275891423	Sum of GTIs [s]
			ontime6	8039.8044692278	Sum of GTIs [s]
			ontime7	8153.4046936631	Sum of GTIs [s]
			l1events	1038795	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	178901	181036	184417	179611	176830	138000	grade 0 events	13520	11433	14873	14741	10790	7952
rejected events	146209	148591	151400	146316	142811	77414		7%	6%	8%	8%	6%	5%
rejected %	81%	82%	82%	81%	80%	56%	grade 1 events	85	55	73	76	47	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	10178	11889	9315	9471	13684	14618
								5%	6%	5%	5%	7%	10%
							grade 3 events	1786	1510	1861	1872	1353	4773
								0%	0%	1%	1%	0%	3%
							grade 4 events	1698	1566	1850	1895	1375	4525
								0%	0%	1%	1%	0%	3%
							grade 5 events	2541	2400	2440	2775	2443	7179
								1%	1%	1%	1%	1%	5%
							grade 6 events	5976	6567	5638	5842	7324	29675
								3%	3%	3%	3%	4%	21%
							grade 7 events	143117	145616	148367	142939	139814	69189
								79%	80%	80%	79%	79%	50%

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	139.0120996873046
[deg] Pointing Dec	0	10.97384735605406
[deg] Pointing Roll	0.0	261.5009854901414
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)	478903421.276678	478903421.276678
Observation start date	2013-03-05T20:43:41	2013-03-05T20:43:41
[s] Observation end time (MET)	478913531.087186	478913531.087186
Observation end date	2013-03-05T23:32:11	2013-03-05T23:32:11
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)	2013.03.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1534046936631

A.2 Comments