

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53173 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 8 2013

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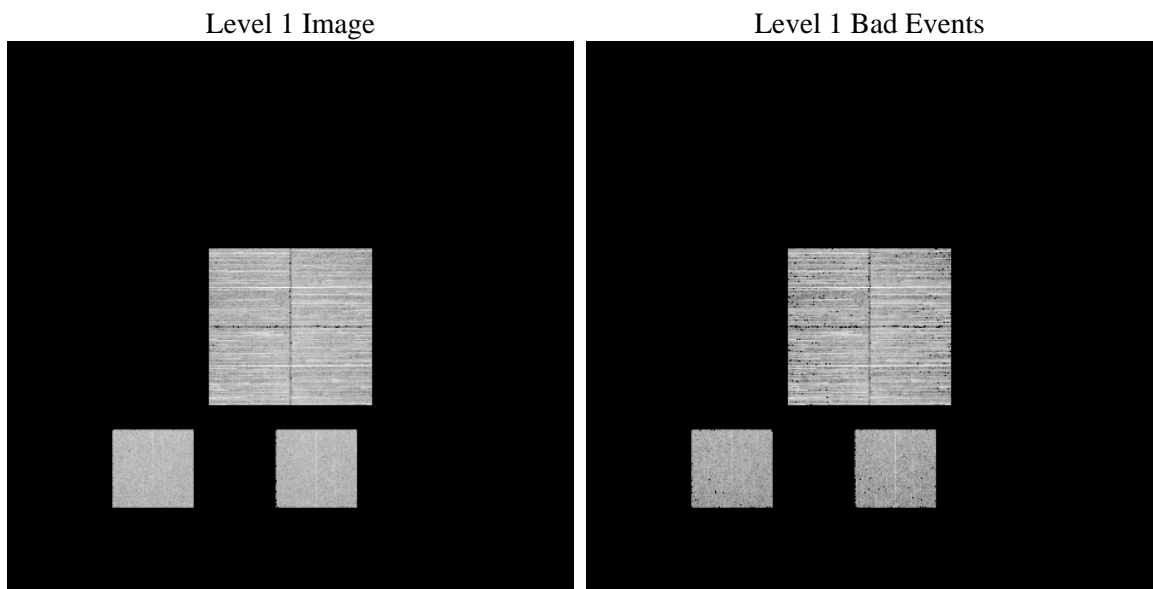
1 Front

seq_num	 	Sequence number
obs_id	53173	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	301.98408094144	Nominal RA [deg]
dec_nom	-8.5158538701336	Nominal Dec [deg]
roll_nom	293.33774547254	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4812.1161226034	Sum of GTIs [s]
livetime	4751.1822107506	Livetime [s]
ontime0	4812.0750826001	Sum of GTIs [s]
ontime1	4812.0340425968	Sum of GTIs [s]
ontime2	4811.9930025935	Sum of GTIs [s]
ontime3	4812.1571626067	Sum of GTIs [s]
ontime5	4811.9519625902	Sum of GTIs [s]
ontime7	4812.1161226034	Sum of GTIs [s]
l2events	123057	Number of level 2 events

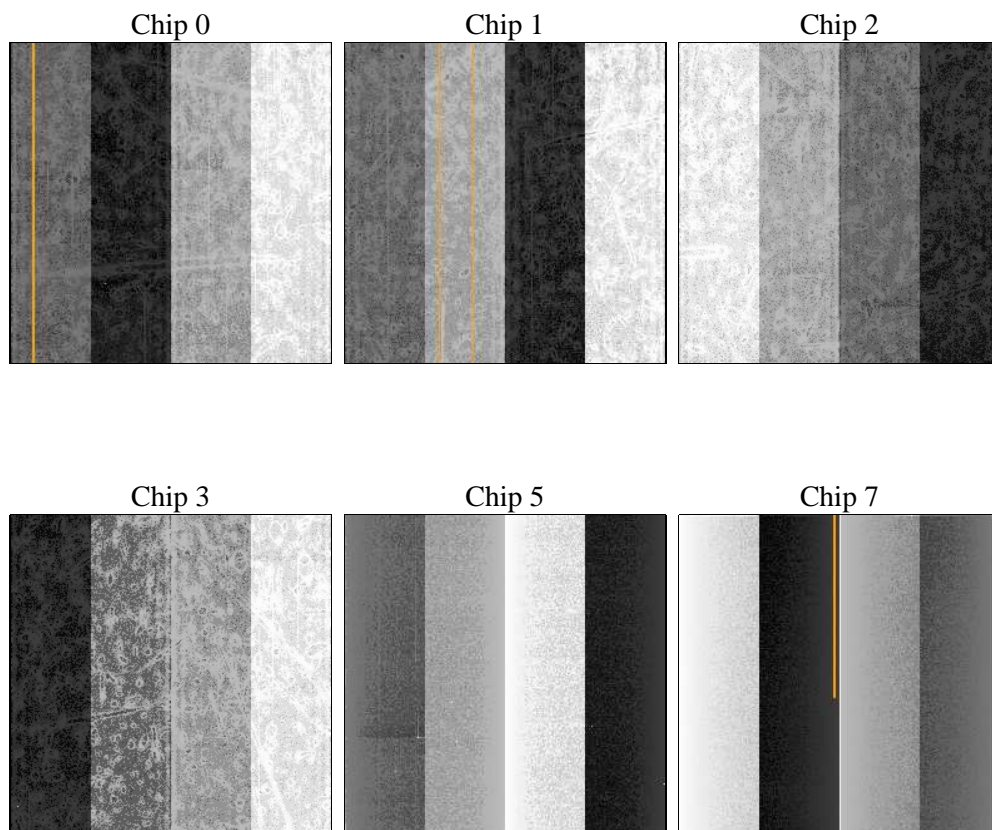
2 OBI

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	10.1.1	Processing system revision	ontime	4812.1161226034	Sum of GTIs [s]
caldsver	4.5.9	 	ontime0	4812.0750826001	Sum of GTIs [s]
date	2013-12-09T02:07:36	Date and time of file creation	ontime1	4812.0340425968	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4811.9930025935	Sum of GTIs [s]
			ontime3	4812.1571626067	Sum of GTIs [s]
			ontime5	4811.9519625902	Sum of GTIs [s]
			ontime7	4812.1161226034	Sum of GTIs [s]
			l1events	453479	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	73537	75934	84373	82276	70326	67033
rejected events	57067	59538	67738	65461	38484	35970
rejected %	77%	78%	80%	79%	54%	53%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
grade 0 events	8381	8207	8516	8691	2973	4480
	11%	10%	10%	10%	4%	6%
grade 1 events	32	42	53	40	64	61
	0%	0%	0%	0%	0%	0%
grade 2 events	3311	3410	3162	3225	11869	7586
	4%	4%	3%	3%	16%	11%
grade 3 events	1114	1066	1224	1166	1104	2556
	1%	1%	1%	1%	1%	3%
grade 4 events	1150	1097	1172	1159	1122	2480
	1%	1%	1%	1%	1%	3%
grade 5 events	1596	1573	1554	1616	3222	4059
	2%	2%	1%	1%	4%	6%
grade 6 events	2514	2616	2561	2574	14774	13961
	3%	3%	3%	3%	21%	20%
grade 7 events	55439	57923	66131	63805	35198	31850
	75%	76%	78%	77%	50%	47%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	301.9840809414379
[deg] Pointing Dec	0	-8.515853870133629
[deg] Pointing Roll	0.0	293.3377454725361
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	502900589.33305	502900588.30805
Observation start date	2013-12-08T14:36:29	2013-12-08T14:36:28
[s] Observation end time (MET)	502907290.783418	502907289.75842
Observation end date	2013-12-08T16:28:11	2013-12-08T16:28:09
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.12.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8121161226034

A.2 Comments