

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53816 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 1 2013

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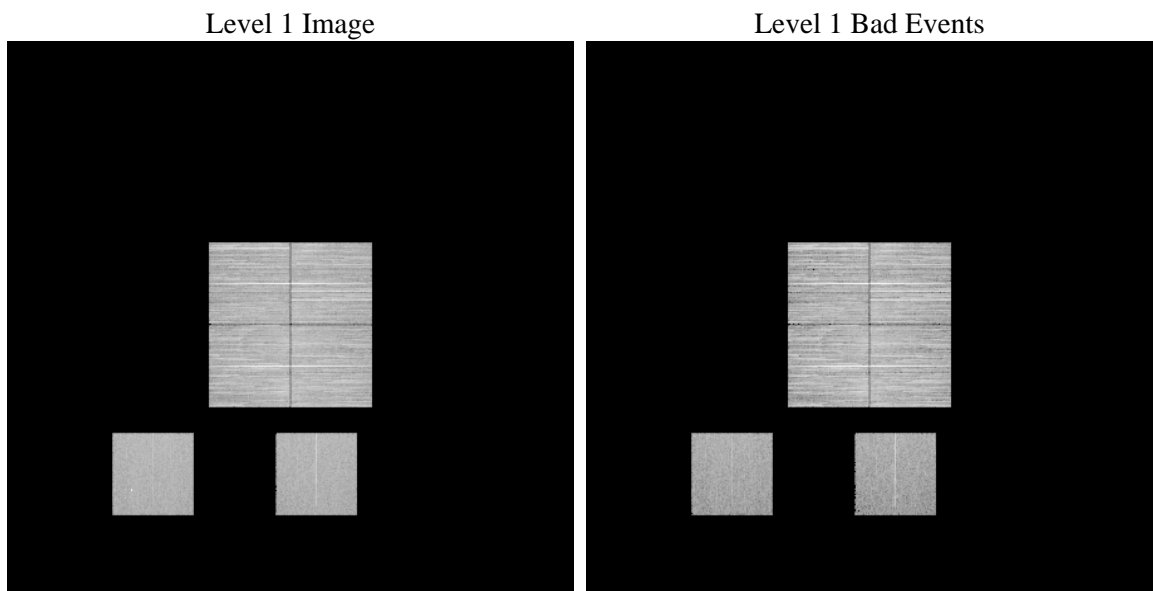
1 Front

seq_num	 	Sequence number
obs_id	53816	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	214.77990473904	Nominal RA [deg]
dec_nom	12.612145386479	Nominal Dec [deg]
roll_nom	124.11539629567	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8283.5457202792	Sum of GTIs [s]
livetime	8178.6544766166	Livetime [s]
ontime0	8283.5046802759	Sum of GTIs [s]
ontime1	8283.4636402726	Sum of GTIs [s]
ontime2	8283.4226002693	Sum of GTIs [s]
ontime3	8283.5867602825	Sum of GTIs [s]
ontime5	8283.381560266	Sum of GTIs [s]
ontime7	8283.5457202792	Sum of GTIs [s]
l2events	247619	Number of level 2 events

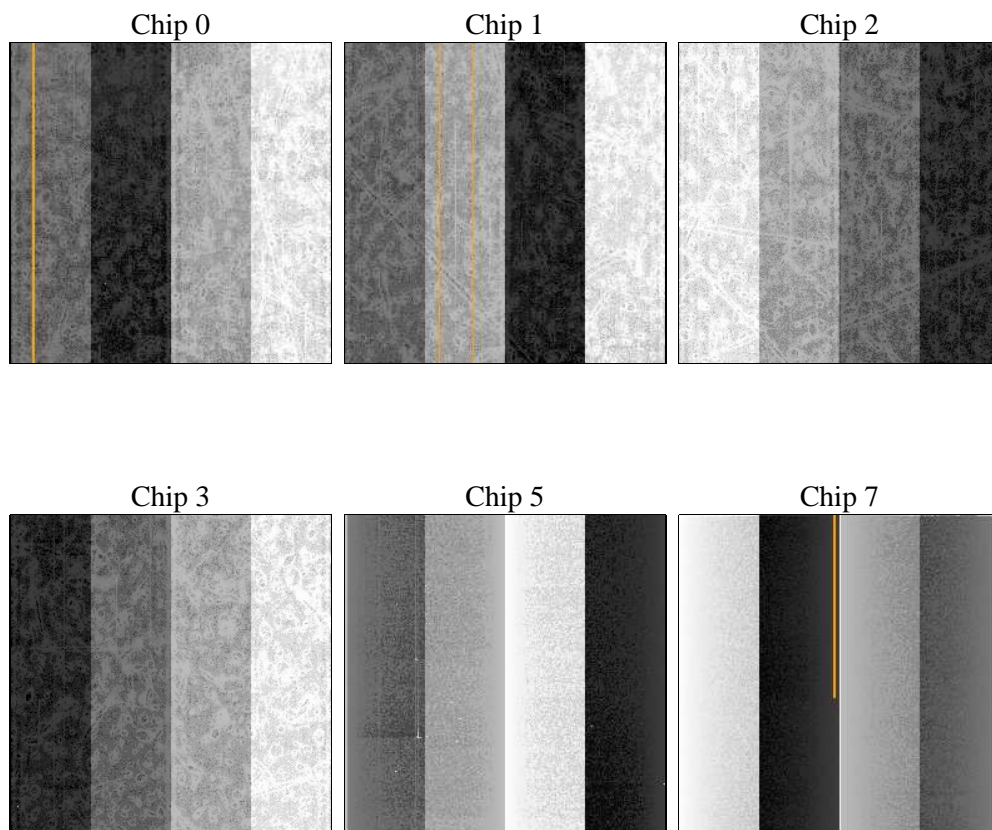
2 OBI

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	8283.5457202792	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8283.5046802759	Sum of GTIs [s]
date	2013-04-01T19:45:04	Date and time of file creation	ontime1	8283.4636402726	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8283.4226002693	Sum of GTIs [s]
			ontime3	8283.5867602825	Sum of GTIs [s]
			ontime5	8283.381560266	Sum of GTIs [s]
			ontime7	8283.5457202792	Sum of GTIs [s]
			l1events	966986	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	165835	175277	175843	175634	140013	134384	grade 0 events	15813	14276	16887	17060	4879	8061
rejected events	132008	141295	141496	141085	77297	73685		9%	8%	9%	9%	3%	5%
rejected %	79%	80%	80%	80%	55%	54%	grade 1 events	87	66	100	95	181	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	8201	9615	7667	7499	23369	15271
								4%	5%	4%	4%	16%	11%
							grade 3 events	2105	1936	2223	2237	2062	4429
								1%	1%	1%	1%	1%	3%
							grade 4 events	2008	1896	2240	2263	1837	4372
								1%	1%	1%	1%	1%	3%
							grade 5 events	2780	2640	2553	3032	5483	7118
								1%	1%	1%	1%	3%	5%
							grade 6 events	5700	6259	5330	5490	30569	28566
								3%	3%	3%	3%	21%	21%
							grade 7 events	129141	138589	138843	137958	71633	66485
								77%	79%	78%	78%	51%	49%

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	214.7799047390445
[deg] Pointing Dec	0	12.61214538647888
[deg] Pointing Roll	0.0	124.115396295672
[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)	481190827.80037	481190826.77537
Observation start date	2013-04-01T08:07:08	2013-04-01T08:07:06
[s] Observation end time (MET)	481201008.100921	481201007.07592
Observation end date	2013-04-01T10:56:48	2013-04-01T10:56:47
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2835457202792

A.2 Comments