

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53660 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 1 2013

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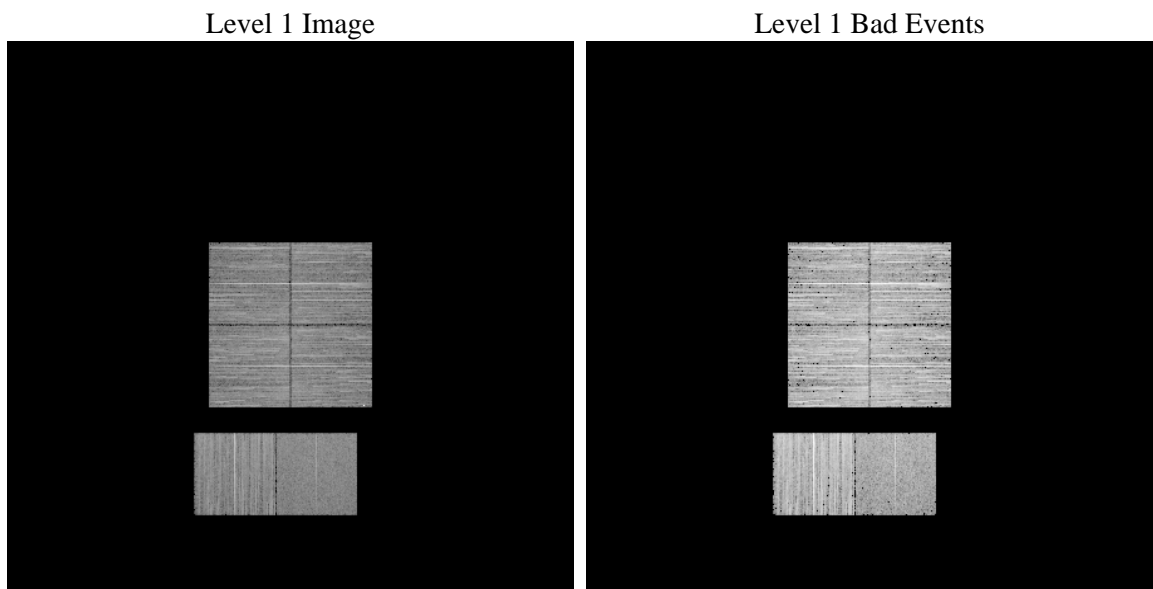
1 Front

seq_num	 	Sequence number
obs_id	53660	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	219.89470555153	Nominal RA [deg]
dec_nom	-19.828478468743	Nominal Dec [deg]
roll_nom	260.19053650108	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5531.4945111871	Sum of GTIs [s]
livetime	5461.4513970203	Livetime [s]
ontime0	5427.7400465012	Sum of GTIs [s]
ontime1	5434.1810868382	Sum of GTIs [s]
ontime2	5443.8631668091	Sum of GTIs [s]
ontime3	5434.3042067885	Sum of GTIs [s]
ontime6	5434.0990068316	Sum of GTIs [s]
ontime7	5531.4945111871	Sum of GTIs [s]
l2events	135688	Number of level 2 events

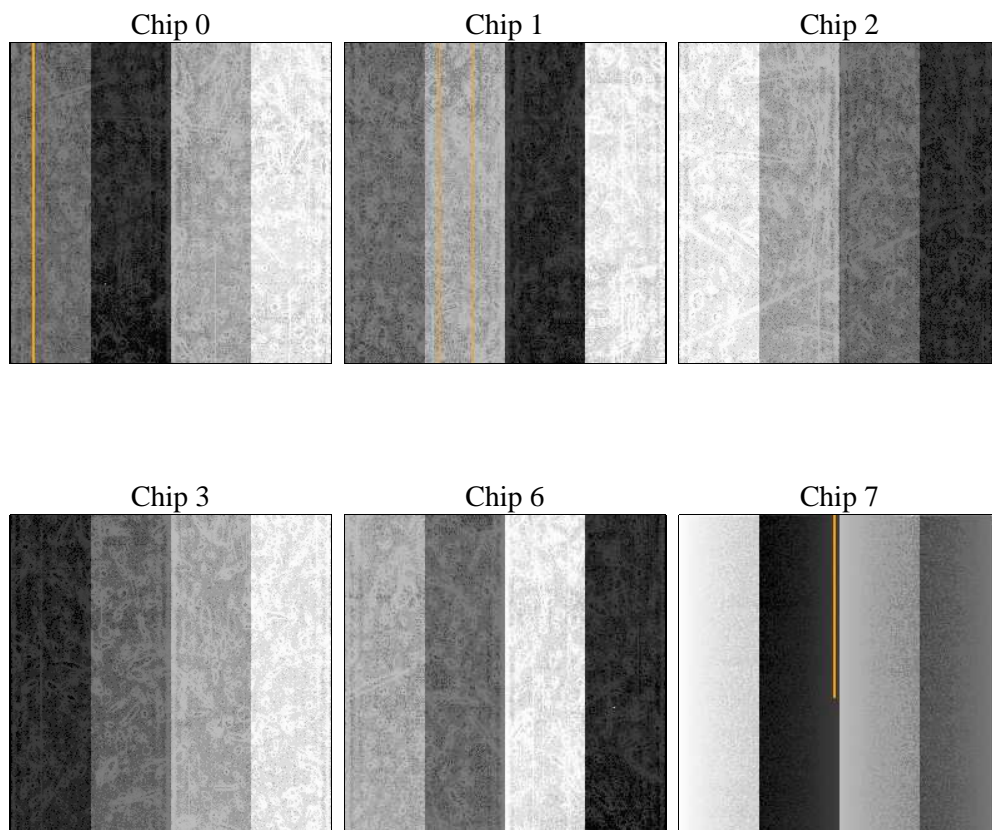
2 OBI

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	5531.4945111871	Sum of GTIs [s]
caldbver	4.5.6	 	ontime0	5427.7400465012	Sum of GTIs [s]
date	2013-06-01T16:48:09	Date and time of file creation	ontime1	5434.1810868382	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5443.8631668091	Sum of GTIs [s]
			ontime3	5434.3042067885	Sum of GTIs [s]
			ontime6	5434.0990068316	Sum of GTIs [s]
			ontime7	5531.4945111871	Sum of GTIs [s]
			l1events	558282	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	89480	93453	99026	95221	100035	81067	grade 0 events	10881	10409	11323	12577	11018	5846
rejected events	68529	72670	77769	72737	78159	43338		12%	11%	11%	13%	11%	7%
rejected %	76%	77%	78%	76%	78%	53%	grade 1 events	59	48	49	46	50	59
								0%	0%	0%	0%	0%	0%
							grade 2 events	4166	4321	4082	4077	4437	9426
								4%	4%	4%	4%	4%	11%
							grade 3 events	1451	1426	1488	1468	1443	3153
								1%	1%	1%	1%	1%	3%
							grade 4 events	1388	1347	1491	1486	1459	3212
								1%	1%	1%	1%	1%	3%
							grade 5 events	1812	1769	1722	2053	1954	4947
								2%	1%	1%	2%	1%	6%
							grade 6 events	3268	3525	3103	3103	3760	16519
								3%	3%	3%	3%	3%	20%
							grade 7 events	66455	70608	75768	70411	75914	37905
								74%	75%	76%	73%	75%	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	219.8947055515325
[deg] Pointing Dec	0	-19.82847846874266
[deg] Pointing Roll	0.0	260.1905365010817
[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)	486446546.33517	486446545.31017
Observation start date	2013-06-01T04:02:26	2013-06-01T04:02:25
[s] Observation end time (MET)	486453846.385566	486453845.36057
Observation end date	2013-06-01T06:04:06	2013-06-01T06:04:05
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)	2013.06.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.5314945111871

A.2 Comments