

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53973 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 5 2013

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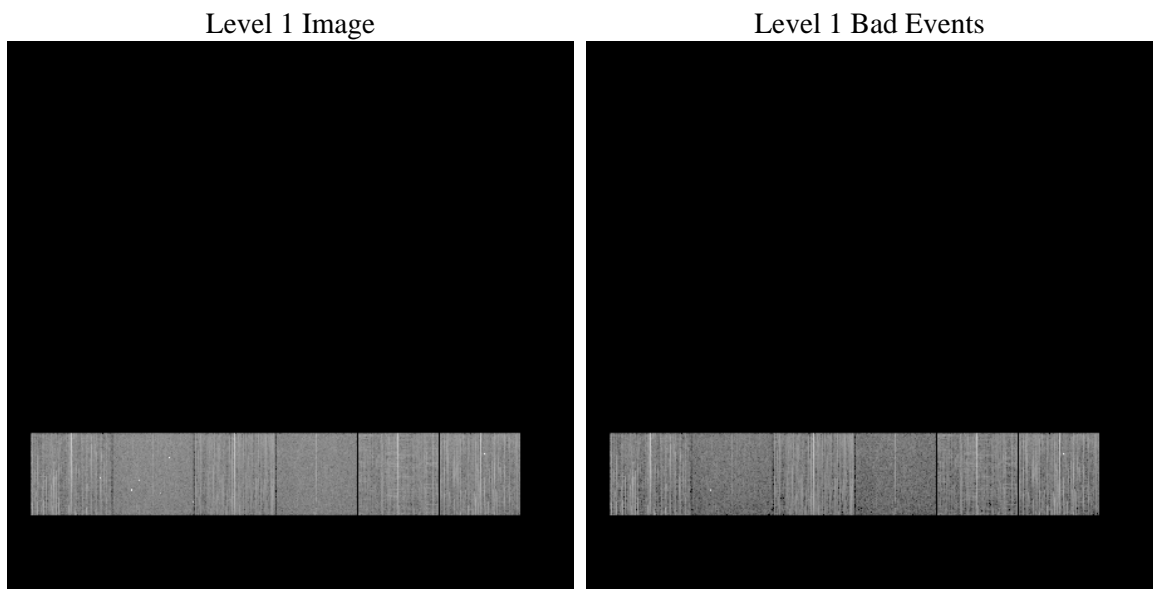
1 Front

seq_num	 	Sequence number
obs_id	53973	Observation id
title	ACIS-456789 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	130.94600854039	Nominal RA [deg]
dec_nom	42.475359943891	Nominal Dec [deg]
roll_nom	195.20856462231	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5487.9999796152	Sum of GTIs [s]
livetime	5418.5076193965	Livetime [s]
ontime4	5487.9999796152	Sum of GTIs [s]
ontime5	5487.9999796152	Sum of GTIs [s]
ontime6	5487.9999796152	Sum of GTIs [s]
ontime7	5487.9999796152	Sum of GTIs [s]
ontime8	5487.9999796152	Sum of GTIs [s]
ontime9	5487.9999796152	Sum of GTIs [s]
l2events	173676	Number of level 2 events

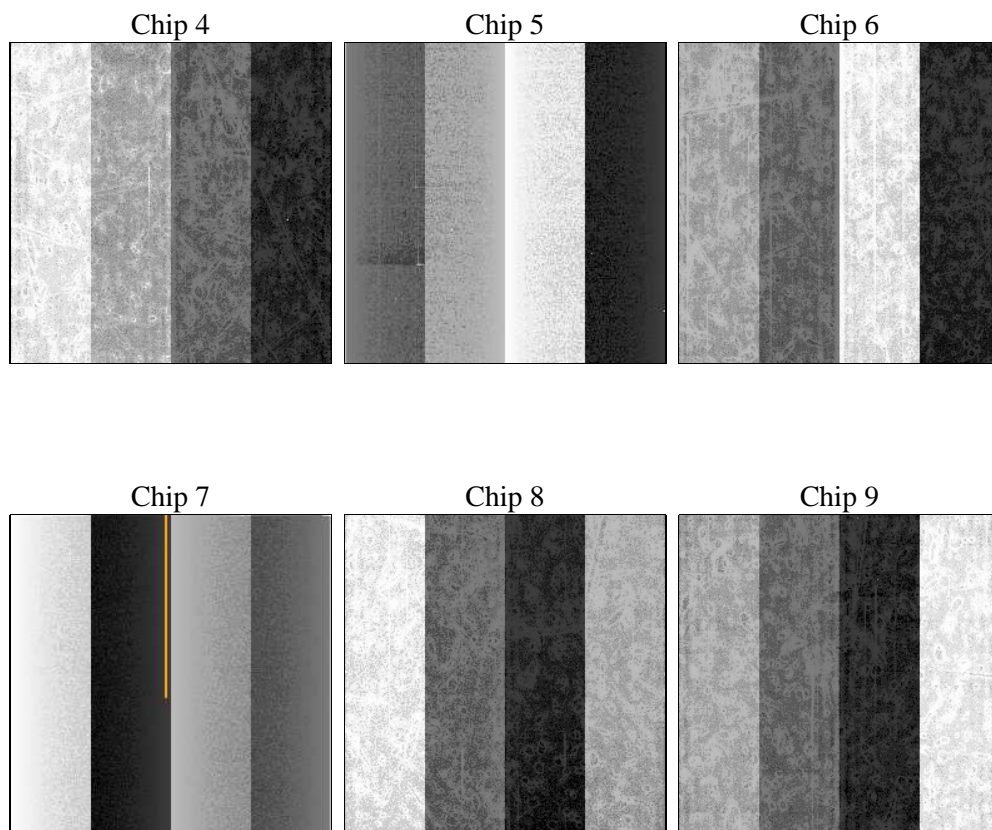
2 OBI

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	5487.9999796152	Sum of GTIs [s]
caldbver	4.5.5	 	ontime4	5487.9999796152	Sum of GTIs [s]
date	2013-02-05T05:39:05	Date and time of file creation	ontime5	5487.9999796152	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5487.9999796152	Sum of GTIs [s]
			ontime7	5487.9999796152	Sum of GTIs [s]
			ontime8	5487.9999796152	Sum of GTIs [s]
			ontime9	5487.9999796152	Sum of GTIs [s]
			l1events	648591	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	112696	102237	118506	90188	109128	115836	grade 0 events	13323	7240	12279	6390	13787	12011
rejected events	88597	53498	93799	47545	79113	92101		11%	7%	10%	7%	12%	10%
rejected %	78%	52%	79%	52%	72%	79%	grade 1 events	98	160	64	57	76	1701
								0%	0%	0%	0%	0%	1%
							grade 2 events	4297	17426	4944	10462	6156	4571
								3%	17%	4%	11%	5%	3%
							grade 3 events	1637	1873	1626	3571	2348	1578
								1%	1%	1%	3%	2%	1%
							grade 4 events	1710	1825	1726	3624	2222	1620
								1%	1%	1%	4%	2%	1%
							grade 5 events	2162	4800	2228	5511	3053	2548
								1%	4%	1%	6%	2%	2%
							grade 6 events	3155	20401	4144	18615	5516	3977
								2%	19%	3%	20%	5%	3%
							grade 7 events	86314	48512	91495	41958	75970	87830
								76%	47%	77%	46%	69%	75%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	130.9460085403898	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	42.47535994389055	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	195.2085646223065	[s] Primary exposure time	3.2	3.2
[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)	476362895.089323	476362894.06432			
Observation start date	2013-02-04T11:01:35	2013-02-04T11:01:34			
[s] Observation end time (MET)	476370275.089721	476370274.06472			
Observation end date	2013-02-04T13:04:35	2013-02-04T13:04:34			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.4879999796152

A.2 Comments