

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53963 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 7 2013

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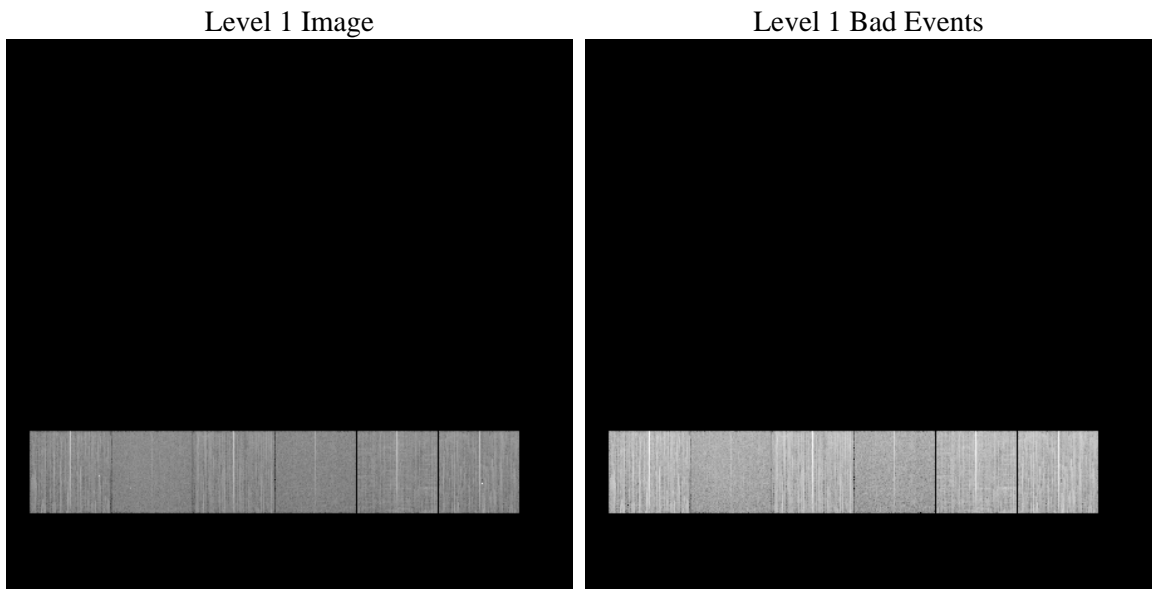
1 Front

seq_num	 	Sequence number
obs_id	53963	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	168.16788573079	Nominal RA [deg]
dec_nom	26.565782402566	Nominal Dec [deg]
roll_nom	111.10501668089	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8278.0269578099	Sum of GTIs [s]
livetime	8173.2055960407	Livetime [s]
ontime4	8277.9038378	Sum of GTIs [s]
ontime5	8277.9859178066	Sum of GTIs [s]
ontime6	8277.9448778033	Sum of GTIs [s]
ontime7	8278.0269578099	Sum of GTIs [s]
ontime8	8277.8627977967	Sum of GTIs [s]
ontime9	8278.0679978132	Sum of GTIs [s]
l2events	256643	Number of level 2 events

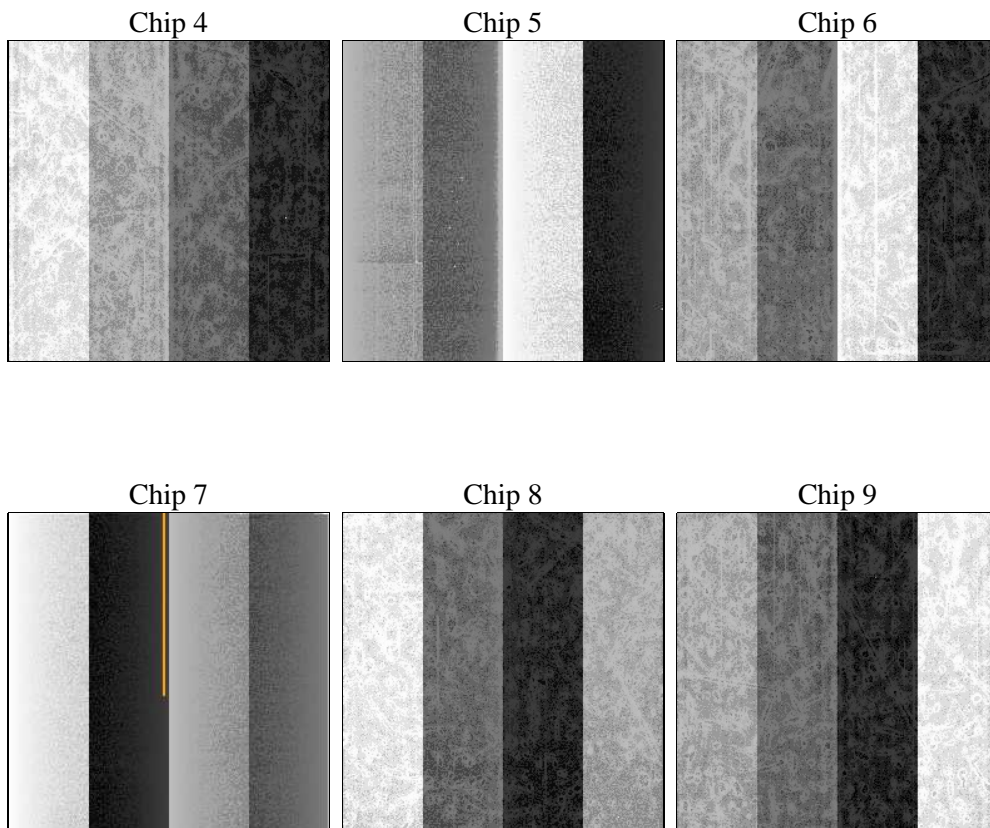
2 OBI

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	8278.0269578099	Sum of GTIs [s]
caldsver	4.5.5	 	ontime4	8277.9038378	Sum of GTIs [s]
date	2013-02-08T02:59:24	Date and time of file creation	ontime5	8277.9859178066	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8277.9448778033	Sum of GTIs [s]
			ontime7	8278.0269578099	Sum of GTIs [s]
			ontime8	8277.8627977967	Sum of GTIs [s]
			ontime9	8278.0679978132	Sum of GTIs [s]
			l1events	991955	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	171745	145634	180015	137002	175729	181830	grade 0 events	19295	5550	17644	9026	20640	17590
rejected events	136384	80625	143608	73989	129626	143942		11%	3%	9%	6%	11%	9%
rejected %	79%	55%	79%	54%	73%	79%	grade 1 events	142	119	86	104	119	114
								0%	0%	0%	0%	0%	0%
							grade 2 events	6598	24561	7926	15588	9825	9659
								3%	16%	4%	11%	5%	5%
							grade 3 events	2512	2186	2251	5065	3446	2410
								1%	1%	1%	3%	1%	1%
							grade 4 events	2394	2160	2292	4932	3312	2381
								1%	1%	1%	3%	1%	1%
							grade 5 events	3414	6262	3252	7956	4375	3857
								1%	4%	1%	5%	2%	2%
							grade 6 events	4571	30573	6316	28425	8899	5862
								2%	20%	3%	20%	5%	3%
							grade 7 events	132819	74223	140248	65906	125113	139957
								77%	50%	77%	48%	71%	76%

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	168.1678857307912	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	26.56578240256612	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	111.1050166808913	[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)	476617970.453136	476617969.42814			
Observation start date	2013-02-07T09:52:50	2013-02-07T09:52:49			
[s] Observation end time (MET)	476630858.803833	476630857.77883			
Observation end date	2013-02-07T13:27:39	2013-02-07T13:27:37			
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)	2013.02.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2780269578099

A.2 Comments