

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 54000 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 22 2013

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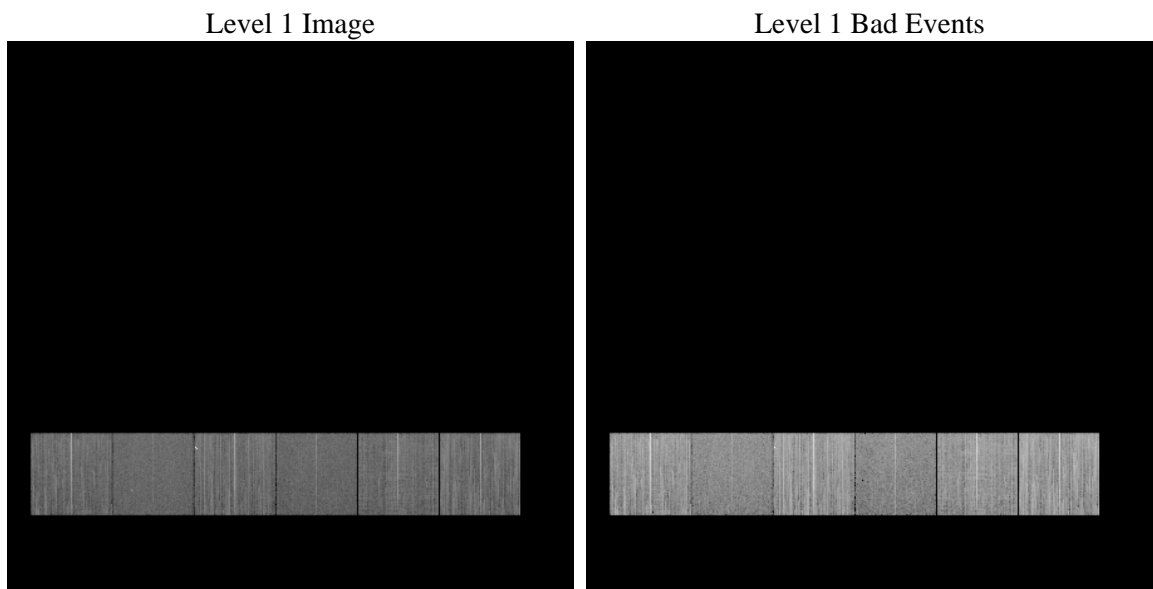
1 Front

seq_num	 	Sequence number
obs_id	54000	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	146.76410550266	Nominal RA [deg]
dec_nom	39.90806537819	Nominal Dec [deg]
roll_nom	130.69934112741	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7877.6844549775	Sum of GTIs [s]
livetime	7777.9324710365	Livetime [s]
ontime4	7878.3999707103	Sum of GTIs [s]
ontime5	7878.3999707103	Sum of GTIs [s]
ontime6	7878.3999707103	Sum of GTIs [s]
ontime7	7877.6844549775	Sum of GTIs [s]
ontime8	7878.3999707103	Sum of GTIs [s]
ontime9	7877.643425107	Sum of GTIs [s]
l2events	243228	Number of level 2 events

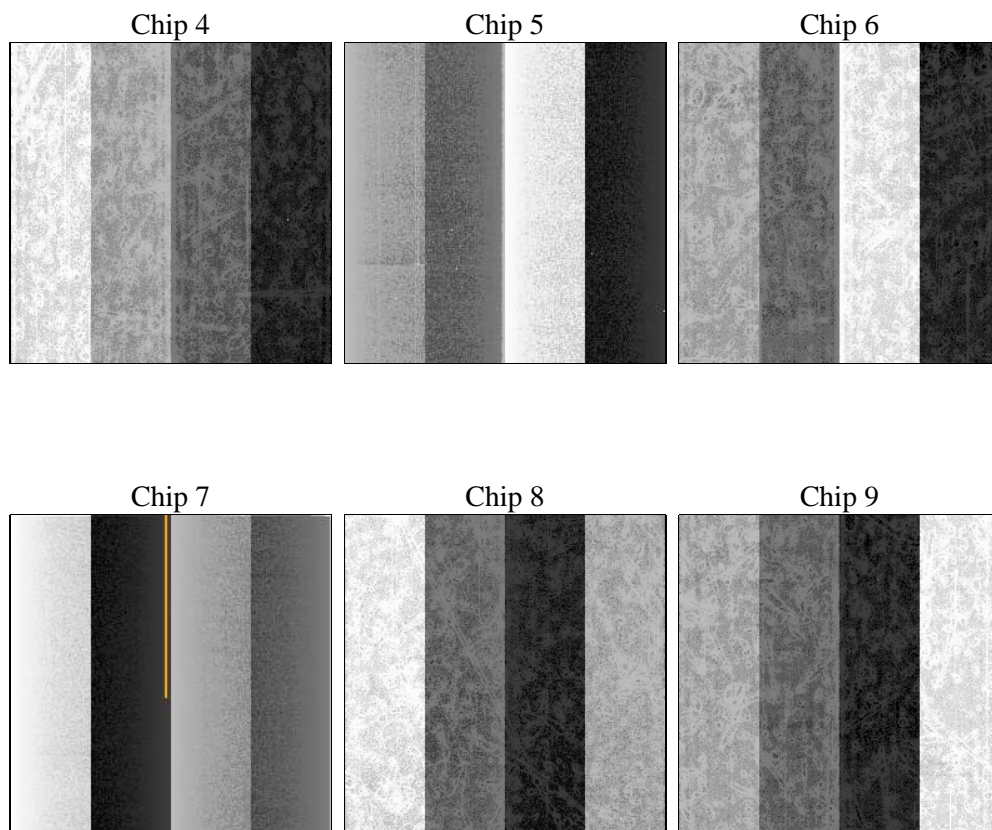
2 OBI

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	7877.6844549775	Sum of GTIs [s]
caldbver	4.5.5	 	ontime4	7878.3999707103	Sum of GTIs [s]
date	2013-01-23T02:08:24	Date and time of file creation	ontime5	7878.3999707103	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7878.3999707103	Sum of GTIs [s]
			ontime7	7877.6844549775	Sum of GTIs [s]
			ontime8	7878.3999707103	Sum of GTIs [s]
			ontime9	7877.643425107	Sum of GTIs [s]
			l1events	963775	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	159415	136793	184875	129341	166076	187275	grade 0 events	17677	4935	23203	8322	19574	16774
rejected events	126389	75691	139261	70150	122809	153588		11%	3%	12%	6%	11%	8%
rejected %	79%	55%	75%	54%	73%	82%	grade 1 events	161	147	146	85	102	91
								0%	0%	0%	0%	0%	0%
							grade 2 events	6281	23244	12147	14688	9104	6883
								3%	16%	6%	11%	5%	3%
							grade 3 events	2349	1905	2075	4609	3167	2179
								1%	1%	1%	3%	1%	1%
							grade 4 events	2330	1903	2060	4409	3219	2200
								1%	1%	1%	3%	1%	1%
							grade 5 events	3208	5790	2946	7424	4090	3526
								2%	4%	1%	5%	2%	1%
							grade 6 events	4399	29136	6149	27163	8216	5651
								2%	21%	3%	21%	4%	3%
							grade 7 events	123010	69733	136149	62641	118604	149971
								77%	50%	73%	48%	71%	80%

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	146.7641055026583	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	39.90806537819031	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	130.6993411274052	[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)	475248537.579162	475248536.55416			
Observation start date	2013-01-22T13:28:58	2013-01-22T13:28:56			
[s] Observation end time (MET)	475258824.479717	475258823.45472			
Observation end date	2013-01-22T16:20:24	2013-01-22T16:20:23			
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)	2013.01.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8776844549775

A.2 Comments