

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 54078 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 22 2012

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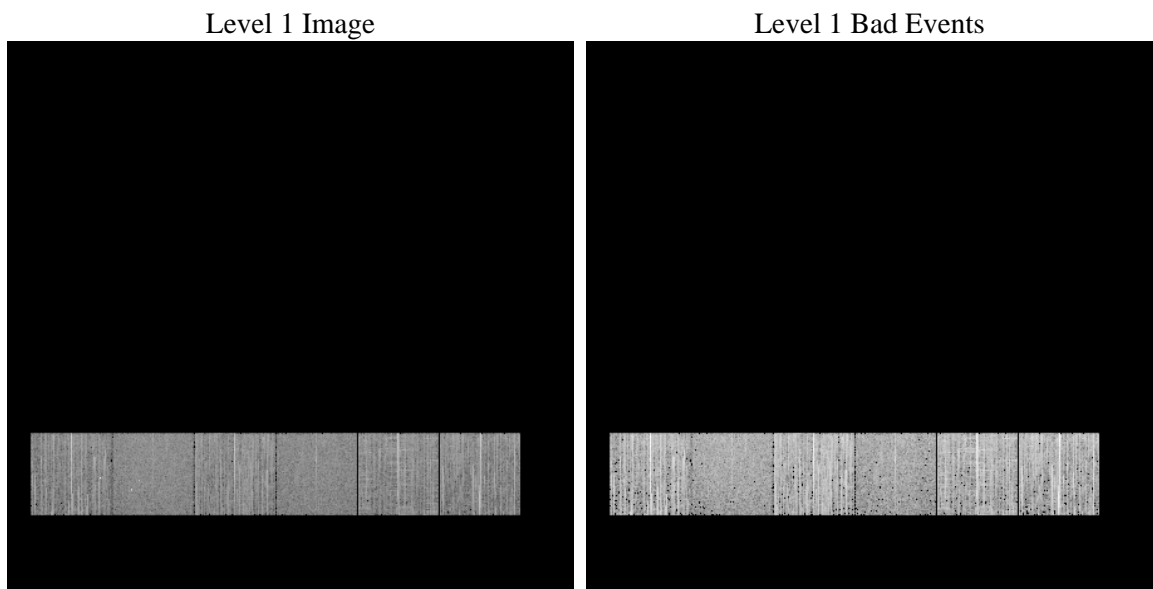
1 Front

seq_num	 	Sequence number
obs_id	54078	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	118.49666997468	Nominal RA [deg]
dec_nom	12.228503594077	Nominal Dec [deg]
roll_nom	63.441717012557	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3282.9437764287	Sum of GTIs [s]
livetime	3241.3731655801	Livetime [s]
ontime4	3282.8206564188	Sum of GTIs [s]
ontime5	3282.9027364254	Sum of GTIs [s]
ontime6	3282.8616964221	Sum of GTIs [s]
ontime7	3282.9437764287	Sum of GTIs [s]
ontime8	3282.7796164155	Sum of GTIs [s]
ontime9	3282.984816432	Sum of GTIs [s]
l2events	102077	Number of level 2 events

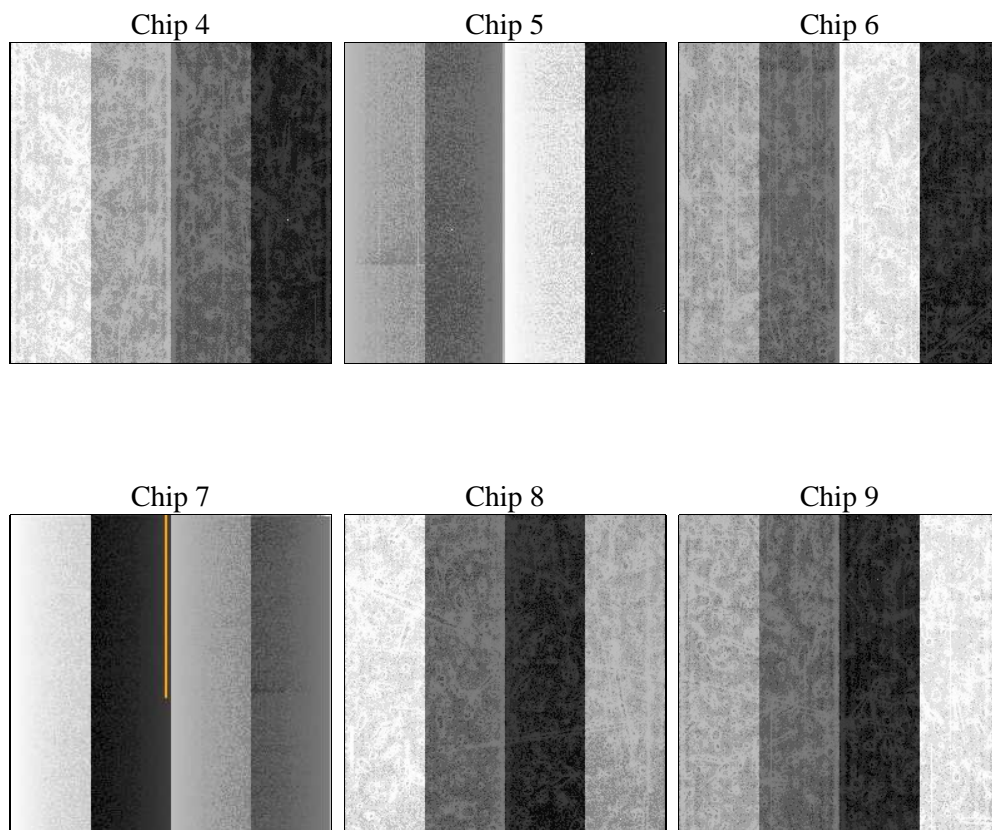
2 OBI

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	3282.9437764287	Sum of GTIs [s]
caldbver	4.5.5	 	ontime4	3282.8206564188	Sum of GTIs [s]
date	2012-12-22T11:54:15	Date and time of file creation	ontime5	3282.9027364254	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3282.8616964221	Sum of GTIs [s]
			ontime7	3282.9437764287	Sum of GTIs [s]
			ontime8	3282.7796164155	Sum of GTIs [s]
			ontime9	3282.984816432	Sum of GTIs [s]
			l1events	372069	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	63228	56015	67641	52841	66421	65923	grade 0 events	8391	2839	7176	3603	8479	7261
rejected events	48357	30087	52800	28273	48368	51605		13%	5%	10%	6%	12%	11%
rejected %	76%	53%	78%	53%	72%	78%	grade 1 events	57	58	33	41	42	35
								0%	0%	0%	0%	0%	0%
							grade 2 events	2690	9618	3091	6015	3535	2733
								4%	17%	4%	11%	5%	4%
							grade 3 events	978	941	950	1987	1381	983
								1%	1%	1%	3%	2%	1%
							grade 4 events	927	824	1006	1954	1446	1003
								1%	1%	1%	3%	2%	1%
							grade 5 events	1272	2474	1222	3197	1610	1506
								2%	4%	1%	6%	2%	2%
							grade 6 events	1885	11706	2618	11009	3212	2338
								2%	20%	3%	20%	4%	3%
							grade 7 events	47028	27555	51545	25035	46716	50064
								74%	49%	76%	47%	70%	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	118.4966699746777	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	12.22850359407678	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	63.44171701255697	[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)	472504821.531334	472504820.50633			
Observation start date	2012-12-21T19:20:22	2012-12-21T19:20:20			
[s] Observation end time (MET)	472510510.28164	472510509.25664			
Observation end date	2012-12-21T20:55:10	2012-12-21T20:55:09			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2829437764287

A.2 Comments