

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54704 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 14 2012

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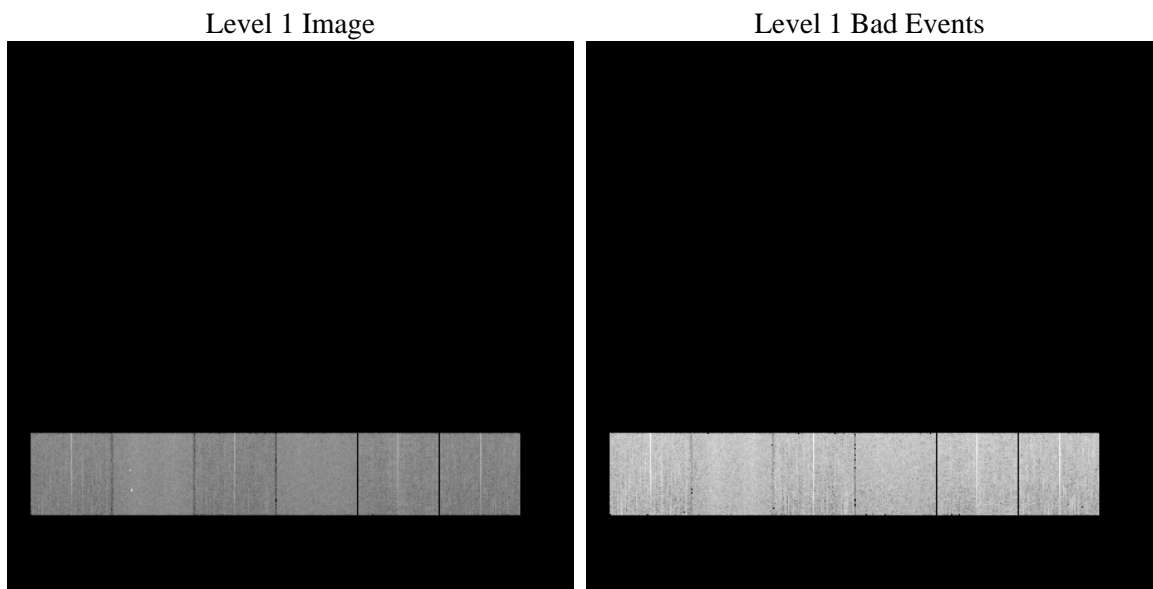
1 Front

seq_num	 	Sequence number
obs_id	54704	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	336.97134351948	Nominal RA [deg]
dec_nom	-24.987777420369	Nominal Dec [deg]
roll_nom	121.92528635812	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8274.1998854876	Sum of GTIs [s]
livetime	8169.4269844125	Livetime [s]
ontime4	8275.1510128975	Sum of GTIs [s]
ontime5	8274.2409254909	Sum of GTIs [s]
ontime6	8275.1920529008	Sum of GTIs [s]
ontime7	8274.1998854876	Sum of GTIs [s]
ontime8	8275.1099728942	Sum of GTIs [s]
ontime9	8274.1588454843	Sum of GTIs [s]
l2events	282320	Number of level 2 events

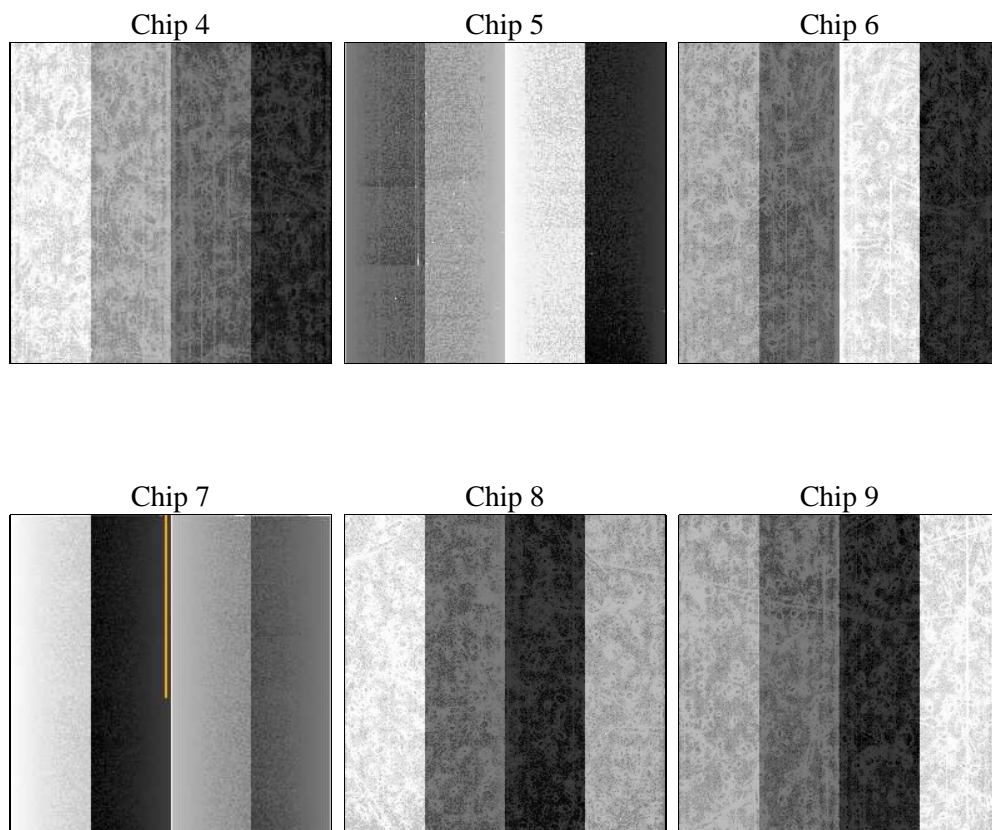
2 OBI

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	8.4.3	Processing system revision	ontime	8274.1998854876	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8275.1510128975	Sum of GTIs [s]
date	2012-04-15T02:11:43	Date and time of file creation	ontime5	8274.2409254909	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8275.1920529008	Sum of GTIs [s]
			ontime7	8274.1998854876	Sum of GTIs [s]
			ontime8	8275.1099728942	Sum of GTIs [s]
			ontime9	8274.1588454843	Sum of GTIs [s]
			l1events	682567	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	101976	137707	99337	126406	114118	103023	grade 0 events	21281	6778	12884	9886	20149	17032
rejected events	63665	63993	58841	58985	64891	63088		20%	4%	12%	7%	17%	16%
rejected %	62%	46%	59%	46%	56%	61%	grade 1 events	163	156	50	92	95	115
								0%	0%	0%	0%	0%	0%
							grade 2 events	6700	24981	15895	14937	13103	11048
								6%	18%	16%	11%	11%	10%
							grade 3 events	2574	2996	1681	5486	2929	2135
								2%	2%	1%	4%	2%	2%
							grade 4 events	2634	3044	1615	5100	2971	2155
								2%	2%	1%	4%	2%	2%
							grade 5 events	3027	6266	2691	7722	3775	3253
								2%	4%	2%	6%	3%	3%
							grade 6 events	5137	35915	8441	32012	10095	7565
								5%	26%	8%	25%	8%	7%
							grade 7 events	60460	57571	56080	51171	61001	59720
								59%	41%	56%	40%	53%	57%

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	336.9713435194832	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-24.98777742036886	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	121.9252863581241	[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)	450797803.949219	450797802.92422			
Observation start date	2012-04-14T13:36:44	2012-04-14T13:36:42			
[s] Observation end time (MET)	450807984.249759	450807983.22476			
Observation end date	2012-04-14T16:26:24	2012-04-14T16:26:23			
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)	2012.04.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2741998854876

A.2 Comments