

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56820 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 13 2012

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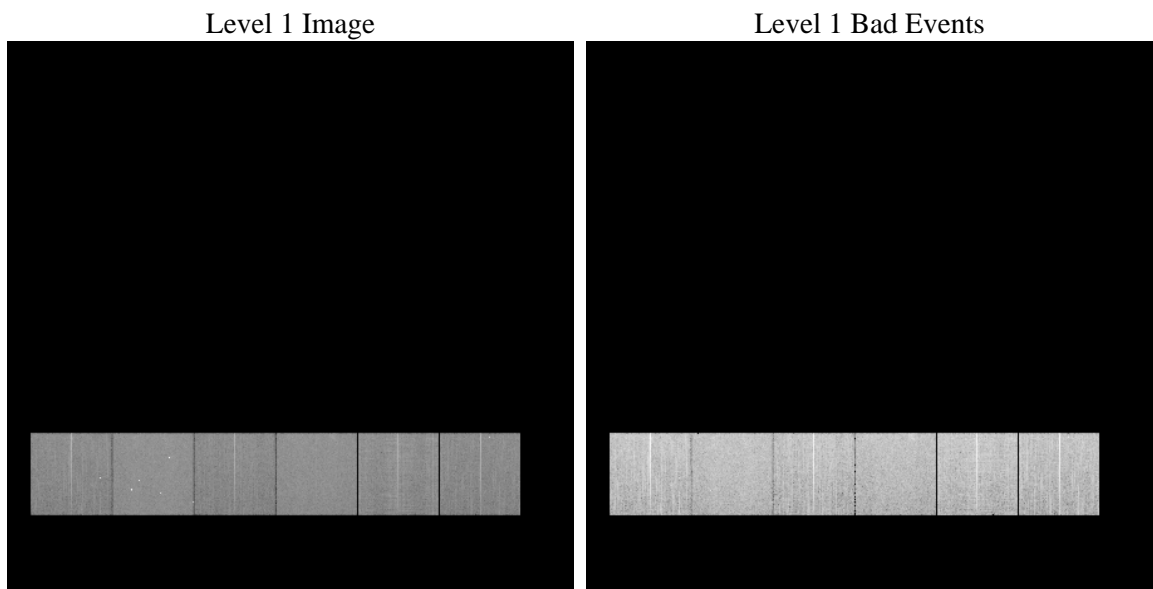
1 Front

seq_num	 	Sequence number
obs_id	56820	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	347.63247708378	Nominal RA [deg]
dec_nom	-31.991902449082	Nominal Dec [deg]
roll_nom	343.39704284729	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8449.3406143785	Sum of GTIs [s]
livetime	8342.3499759371	Livetime [s]
ontime4	8451.0055893064	Sum of GTIs [s]
ontime5	8451.087669313	Sum of GTIs [s]
ontime6	8451.0466293097	Sum of GTIs [s]
ontime7	8449.3406143785	Sum of GTIs [s]
ontime8	8450.9645493031	Sum of GTIs [s]
ontime9	8446.0996040106	Sum of GTIs [s]
l2events	506446	Number of level 2 events

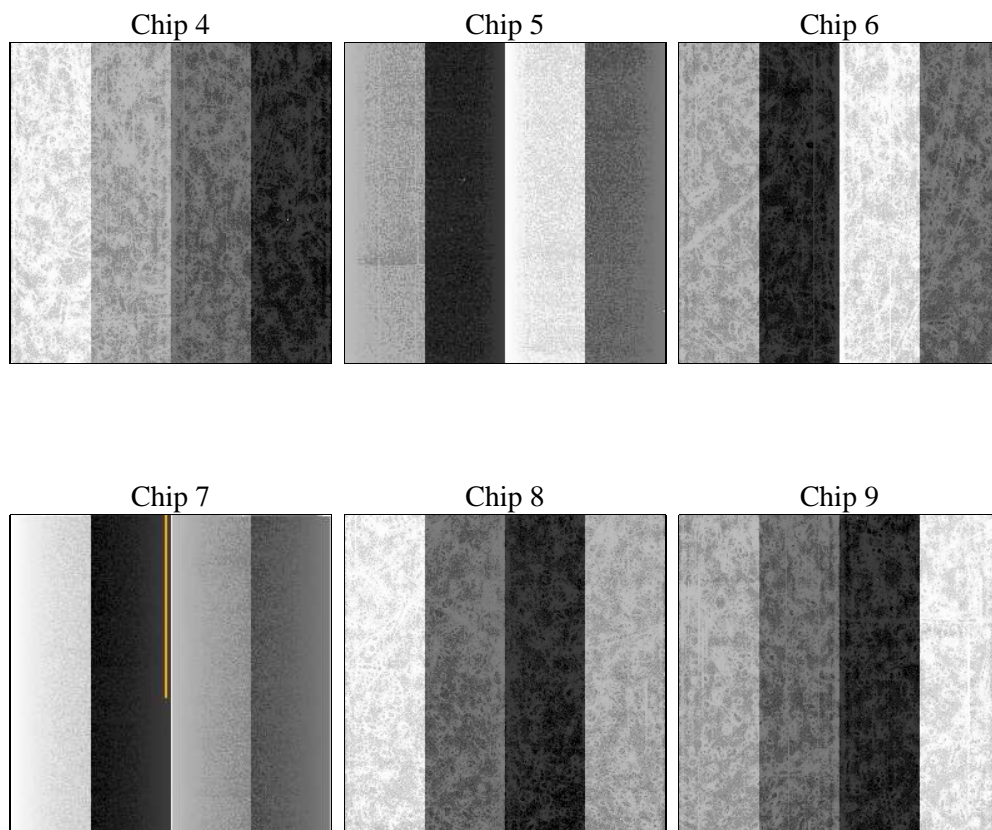
2 OBI

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	8.4.5	Processing system revision	ontime	8449.3406143785	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	8451.0055893064	Sum of GTIs [s]
date	2012-06-13T21:41:24	Date and time of file creation	ontime5	8451.087669313	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8451.0466293097	Sum of GTIs [s]
			ontime7	8449.3406143785	Sum of GTIs [s]
			ontime8	8450.9645493031	Sum of GTIs [s]
			ontime9	8446.0996040106	Sum of GTIs [s]
			l1events	1046133	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	162227	199773	157166	187495	181959	157513	grade 0 events	43007	20866	40481	20742	45126	40330
rejected events	87473	77009	79306	72984	88440	81539		26%	10%	25%	11%	24%	25%
rejected %	53%	38%	50%	38%	48%	51%	grade 1 events	460	256	293	159	320	326
								0%	0%	0%	0%	0%	0%
							grade 2 events	11843	42706	14132	24784	17712	13520
								7%	21%	8%	13%	9%	8%
							grade 3 events	5180	5599	5286	10568	7144	5114
								3%	2%	3%	5%	3%	3%
							grade 4 events	5120	5187	5045	10447	6959	5099
								3%	2%	3%	5%	3%	3%
							grade 5 events	4582	10176	4692	11793	6032	5129
								2%	5%	2%	6%	3%	3%
							grade 6 events	9604	48406	12916	47970	16578	11911
								5%	24%	8%	25%	9%	7%
							grade 7 events	82431	66577	74321	61032	82088	76084
								50%	33%	47%	32%	45%	48%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	347.632477083785
[deg] Pointing Dec	0	-31.9919024490823
[deg] Pointing Roll	0.0	343.3970428472932
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	369696411.695901	369696410.6709
Observation start date	2009-09-18T21:26:52	2009-09-18T21:26:50
[s] Observation end time (MET)	369706591.996412	369706590.97141
Observation end date	2009-09-19T00:16:32	2009-09-19T00:16:30
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4493406143785

A.2 Comments