

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56580 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 18 2012

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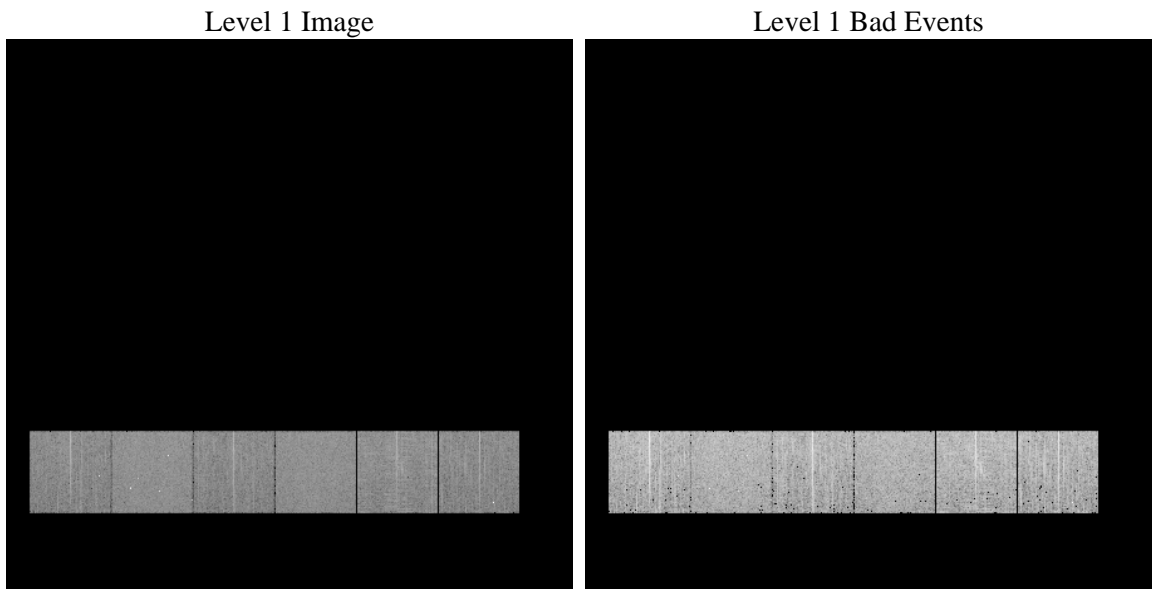
1 Front

seq_num	 	Sequence number
obs_id	56580	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	108.02539452003	Nominal RA [deg]
dec_nom	42.00148061643	Nominal Dec [deg]
roll_nom	131.77160103011	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2984.6891040802	Sum of GTIs [s]
livetime	2946.8951734803	Livetime [s]
ontime4	2984.5659840703	Sum of GTIs [s]
ontime5	2984.6480640769	Sum of GTIs [s]
ontime6	2984.6070240736	Sum of GTIs [s]
ontime7	2984.6891040802	Sum of GTIs [s]
ontime8	2984.524944067	Sum of GTIs [s]
ontime9	2984.7301440835	Sum of GTIs [s]
l2events	177144	Number of level 2 events

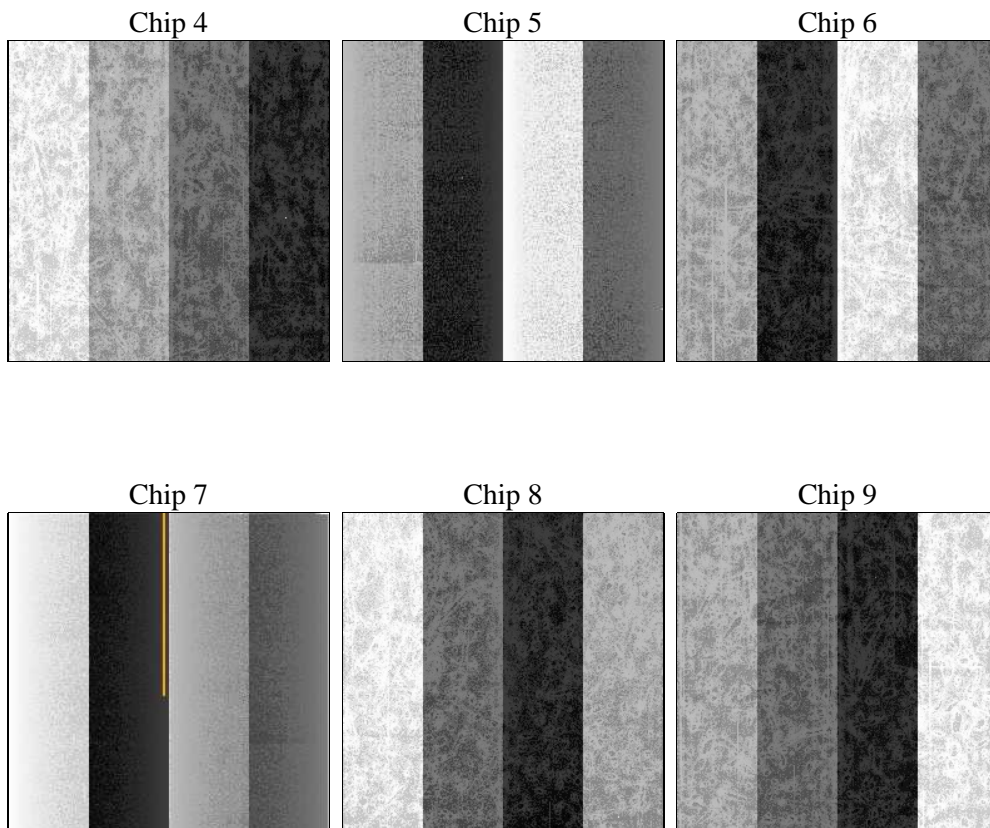
2 OBI

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	2984.6891040802	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	2984.5659840703	Sum of GTIs [s]
date	2012-06-18T09:05:46	Date and time of file creation	ontime5	2984.6480640769	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2984.6070240736	Sum of GTIs [s]
			ontime7	2984.6891040802	Sum of GTIs [s]
			ontime8	2984.524944067	Sum of GTIs [s]
			ontime9	2984.7301440835	Sum of GTIs [s]
			l1events	406146	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	62201	76616	61028	72762	71525	62014	grade 0 events	16074	7558	15353	7981	17325	16044
rejected events	36276	34316	34043	32349	38513	34939		25%	9%	25%	10%	24%	25%
rejected %	58%	44%	55%	44%	53%	56%	grade 1 events	171	117	94	75	103	122
								0%	0%	0%	0%	0%	0%
							grade 2 events	4560	16149	5333	9636	6876	5087
								7%	21%	8%	13%	9%	8%
							grade 3 events	1933	2057	1955	4069	2687	1970
								3%	2%	3%	5%	3%	3%
							grade 4 events	1995	2031	1960	4123	2583	1891
								3%	2%	3%	5%	3%	3%
							grade 5 events	1750	4045	1858	4668	2377	2028
								2%	5%	3%	6%	3%	3%
							grade 6 events	3835	18626	5089	18534	6690	4719
								6%	24%	8%	25%	9%	7%
							grade 7 events	31883	26033	29386	23676	32884	30153
								51%	33%	48%	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	108.0253945200336
[deg] Pointing Dec	0	42.00148061643041
[deg] Pointing Roll	0.0	131.7716010301069
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	377653441.996755	377653441.996755
Observation start date	2009-12-19T23:44:02	2009-12-19T23:44:01
[s] Observation end time (MET)	377657991.501495	377657991.501495
Observation end date	2009-12-20T00:59:52	2009-12-20T00:59:51
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9846891040802

A.2 Comments