

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 55840 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 7 2012

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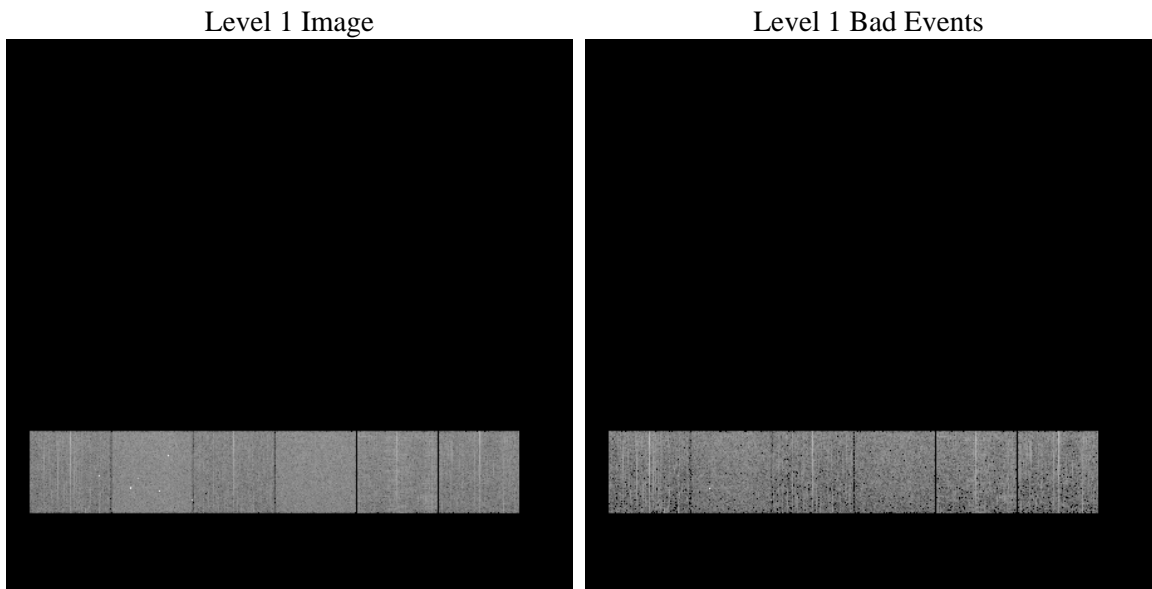
1 Front

seq_num	 	Sequence number
obs_id	55840	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	76.513865644916	Nominal RA [deg]
dec_nom	0.025125943756736	Nominal Dec [deg]
roll_nom	28.169520377806	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3278.7709920406	Sum of GTIs [s]
livetime	3237.2532195005	Livetime [s]
ontime4	3278.6478720307	Sum of GTIs [s]
ontime5	3278.7299520373	Sum of GTIs [s]
ontime6	3278.688912034	Sum of GTIs [s]
ontime7	3278.7709920406	Sum of GTIs [s]
ontime8	3278.6068320274	Sum of GTIs [s]
ontime9	3278.8120320439	Sum of GTIs [s]
l2events	160505	Number of level 2 events

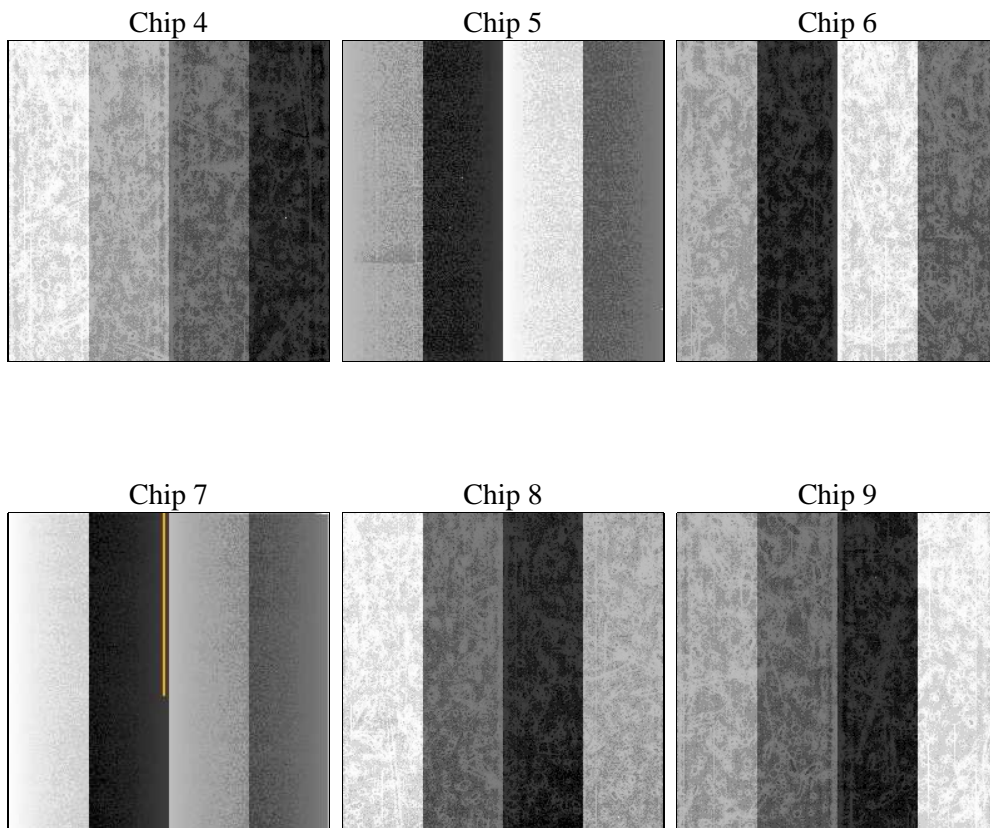
2 OBI

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	3278.7709920406	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	3278.6478720307	Sum of GTIs [s]
date	2012-07-07T17:26:37	Date and time of file creation	ontime5	3278.7299520373	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3278.688912034	Sum of GTIs [s]
			ontime7	3278.7709920406	Sum of GTIs [s]
			ontime8	3278.6068320274	Sum of GTIs [s]
			ontime9	3278.8120320439	Sum of GTIs [s]
			l1events	337800	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	51652	66251	49824	61052	57759	51262	grade 0 events	13744	6751	12733	6389	14072	12329
rejected events	27602	26824	25103	24907	28468	27479		26%	10%	25%	10%	24%	24%
rejected %	53%	40%	50%	40%	49%	53%	grade 1 events	150	130	71	51	86	97
								0%	0%	0%	0%	0%	0%
							grade 2 events	3811	13665	4409	8065	5469	4232
								7%	20%	8%	13%	9%	8%
							grade 3 events	1602	1595	1697	3185	2174	1636
								3%	2%	3%	5%	3%	3%
							grade 4 events	1622	1576	1621	3167	2074	1591
								3%	2%	3%	5%	3%	3%
							grade 5 events	1500	3452	1574	4016	2067	1774
								2%	5%	3%	6%	3%	3%
							grade 6 events	3271	15840	4261	15339	5502	3995
								6%	23%	8%	25%	9%	7%
							grade 7 events	25952	23242	23458	20840	26315	25608
								50%	35%	47%	34%	45%	49%

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	76.51386564491551	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	0.02512594375673565	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	28.16952037780585	[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	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	407358509.312075	407358508.28708			
Observation start date	2010-11-28T19:08:29	2010-11-28T19:08:28			
[s] Observation end time (MET)	407363468.26233	407363467.23733			
Observation end date	2010-11-28T20:31:08	2010-11-28T20:31:07			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2787709920406

A.2 Comments