

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54134 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 28 2012

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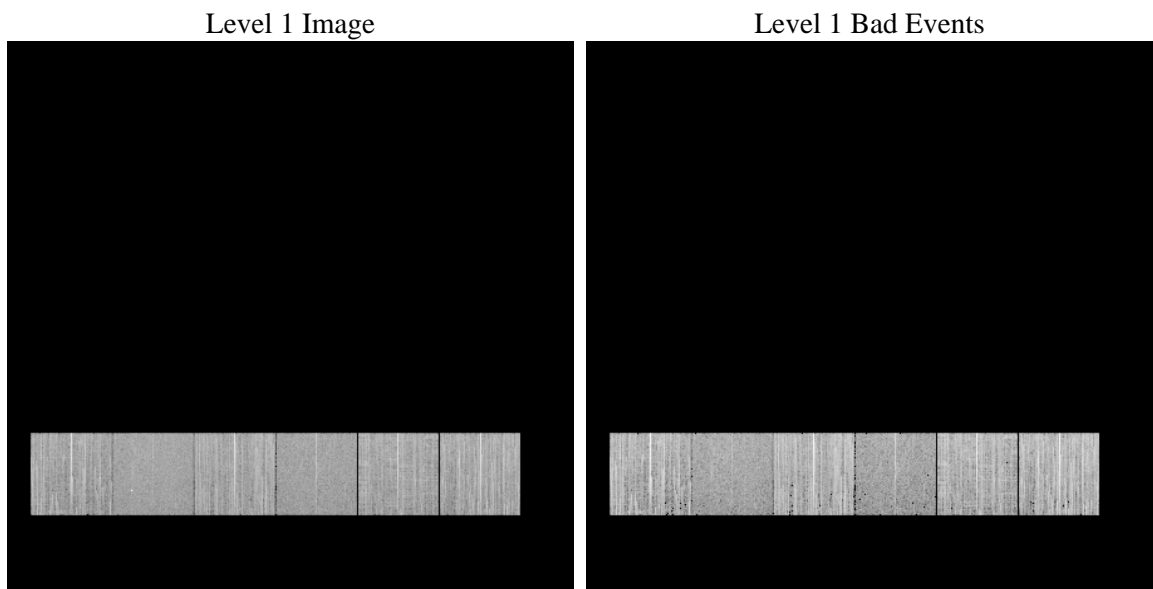
1 Front

seq_num	 	Sequence number
obs_id	54134	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	78.014985733369	Nominal RA [deg]
dec_nom	-1.9710734484372	Nominal Dec [deg]
roll_nom	29.662677068253	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5435.9046974778	Sum of GTIs [s]
livetime	5367.0719990895	Livetime [s]
ontime4	5435.7815774679	Sum of GTIs [s]
ontime5	5435.8636574745	Sum of GTIs [s]
ontime6	5435.8226174712	Sum of GTIs [s]
ontime7	5435.9046974778	Sum of GTIs [s]
ontime8	5435.7405374646	Sum of GTIs [s]
ontime9	5435.9457374811	Sum of GTIs [s]
l2events	164829	Number of level 2 events

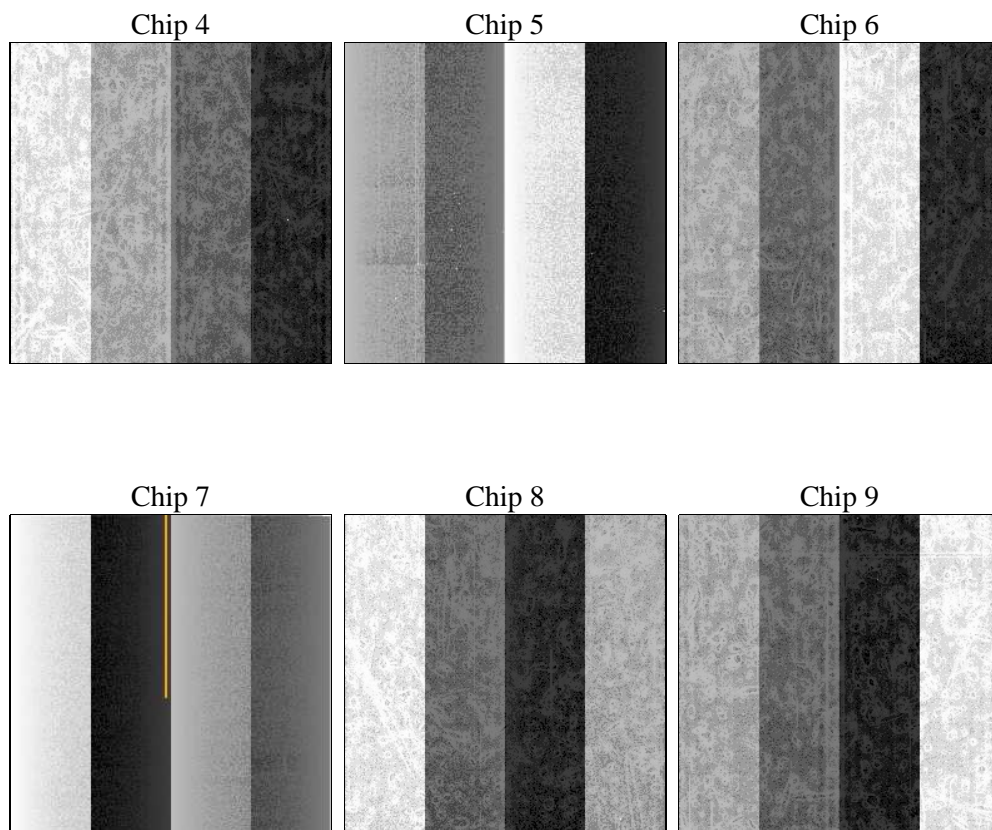
2 OBI

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	5435.9046974778	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	5435.7815774679	Sum of GTIs [s]
date	2012-11-28T17:09:29	Date and time of file creation	ontime5	5435.8636574745	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5435.8226174712	Sum of GTIs [s]
			ontime7	5435.9046974778	Sum of GTIs [s]
			ontime8	5435.7405374646	Sum of GTIs [s]
			ontime9	5435.9457374811	Sum of GTIs [s]
			l1events	621531	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	105214	89419	113562	85045	107662	120629	grade 0 events	12715	3265	10757	5716	13129	11723
rejected events	81967	48753	89537	45566	78930	96936		12%	3%	9%	6%	12%	9%
rejected %	77%	54%	78%	53%	73%	80%	grade 1 events	94	80	38	51	66	60
								0%	0%	0%	0%	0%	0%
							grade 2 events	4342	15316	6324	9890	6226	5004
								4%	17%	5%	11%	5%	4%
							grade 3 events	1614	1676	1281	3018	1962	1595
								1%	1%	1%	3%	1%	1%
							grade 4 events	1566	1244	1305	2968	1955	1482
								1%	1%	1%	3%	1%	1%
							grade 5 events	2011	3621	1866	4552	2556	2142
								1%	4%	1%	5%	2%	1%
							grade 6 events	3029	19196	4374	17909	5476	3910
								2%	21%	3%	21%	5%	3%
							grade 7 events	79843	45021	87617	40941	76292	94713
								75%	50%	77%	48%	70%	78%

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	78.01498573336889
[deg] Pointing Dec	0	-1.971073448437244
[deg] Pointing Roll	0.0	29.66267706825298
[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)	470446074.070503	470446073.0455
Observation start date	2012-11-27T23:27:54	2012-11-27T23:27:53
[s] Observation end time (MET)	470455167.870992	470455166.84599
Observation end date	2012-11-28T01:59:28	2012-11-28T01:59:26
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)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.4359046974778

A.2 Comments