

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 55790 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 8 2012

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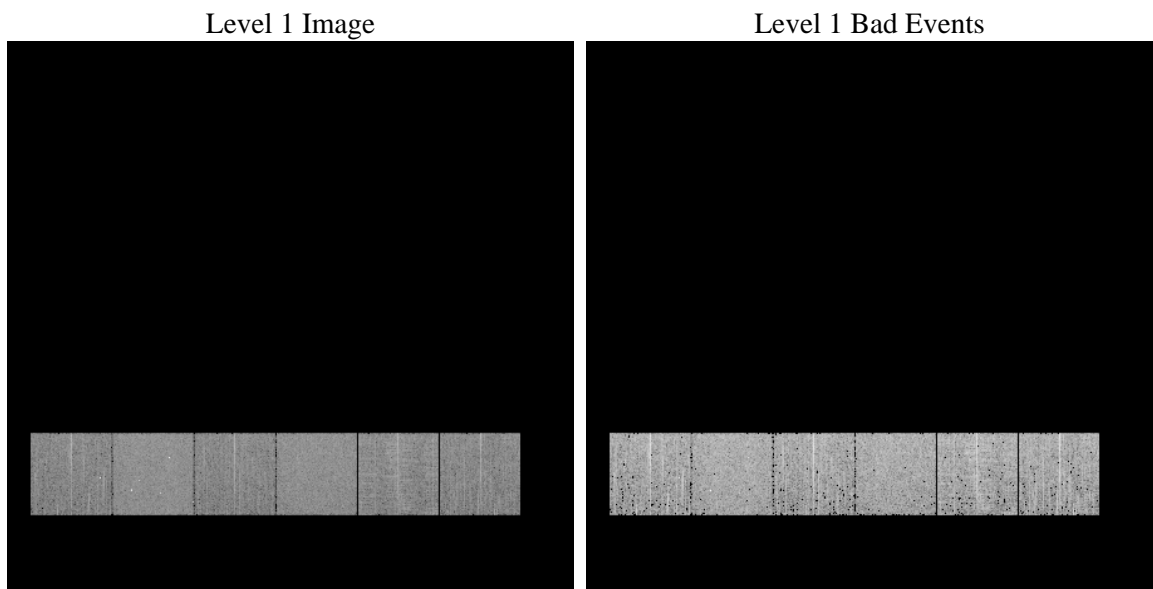
1 Front

seq_num	 	Sequence number
obs_id	55790	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	101.46596022437	Nominal RA [deg]
dec_nom	-0.25109972914271	Nominal Dec [deg]
roll_nom	23.143834259616	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2994.5233210325	Sum of GTIs [s]
livetime	2956.6048636561	Livetime [s]
ontime4	2994.4002010226	Sum of GTIs [s]
ontime5	2994.4822810292	Sum of GTIs [s]
ontime6	2994.4412410259	Sum of GTIs [s]
ontime7	2994.5233210325	Sum of GTIs [s]
ontime8	2994.3591610193	Sum of GTIs [s]
ontime9	2994.5643610358	Sum of GTIs [s]
l2events	137557	Number of level 2 events

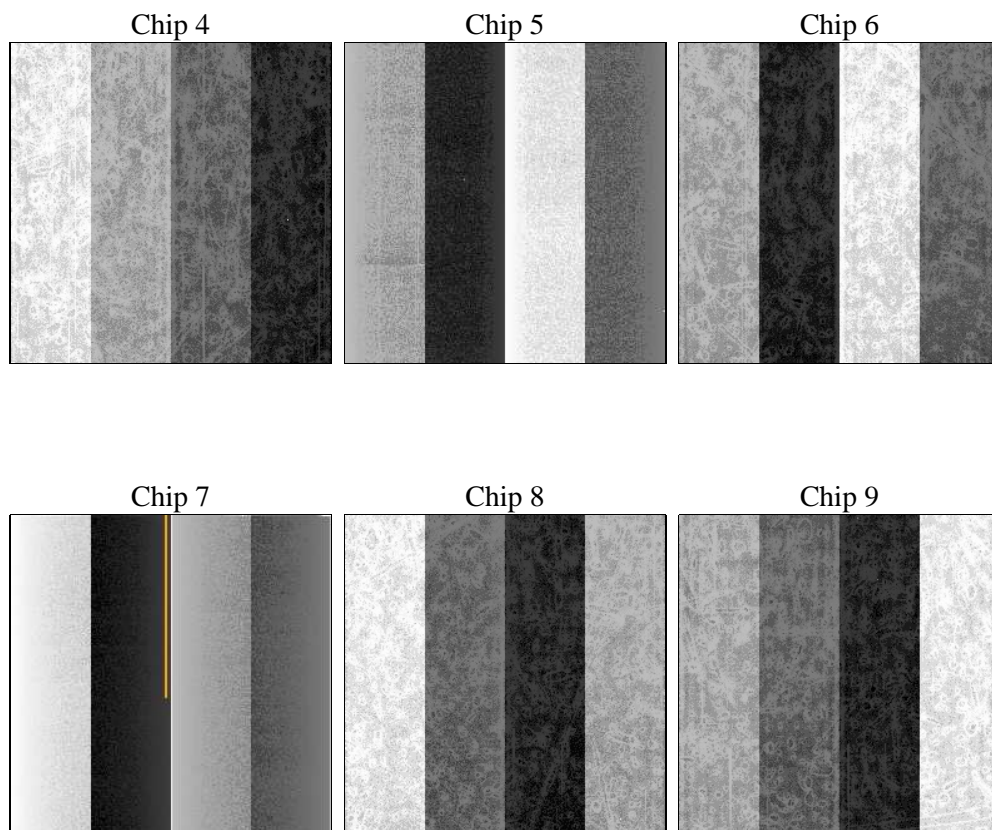
2 OBI

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	2994.5233210325	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	2994.4002010226	Sum of GTIs [s]
date	2012-07-08T20:40:20	Date and time of file creation	ontime5	2994.4822810292	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2994.4412410259	Sum of GTIs [s]
			ontime7	2994.5233210325	Sum of GTIs [s]
			ontime8	2994.3591610193	Sum of GTIs [s]
			ontime9	2994.5643610358	Sum of GTIs [s]
			l1events	324735	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	48416	63276	48138	60017	55800	49088	grade 0 events	12616	5550	11981	5955	13007	11523
rejected events	28310	29356	27271	28290	30943	29099		26%	8%	24%	9%	23%	23%
rejected %	58%	46%	56%	47%	55%	59%	grade 1 events	101	70	77	47	79	65
								0%	0%	0%	0%	0%	0%
							grade 2 events	3548	12869	4088	7587	5171	3906
								7%	20%	8%	12%	9%	7%
							grade 3 events	1520	1632	1479	3118	2074	1528
								3%	2%	3%	5%	3%	3%
							grade 4 events	1468	1562	1461	3128	1987	1483
								3%	2%	3%	5%	3%	3%
							grade 5 events	1461	3430	1564	3979	2031	1712
								3%	5%	3%	6%	3%	3%
							grade 6 events	2854	15521	3915	14988	4960	3482
								5%	24%	8%	24%	8%	7%
							grade 7 events	24848	22642	23573	21215	26491	25389
								51%	35%	48%	35%	47%	51%

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	101.4659602243738
[deg] Pointing Dec	0	-0.251099729142708
[deg] Pointing Roll	0.0	23.1438342596161
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	409414741.418137	409414741.418137
Observation start date	2010-12-22T14:19:01	2010-12-22T14:19:01
[s] Observation end time (MET)	409419290.810522	409419290.810522
Observation end date	2010-12-22T15:34:51	2010-12-22T15:34:50
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	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	2.9945233210325

A.2 Comments