

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 59349 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 31 2012

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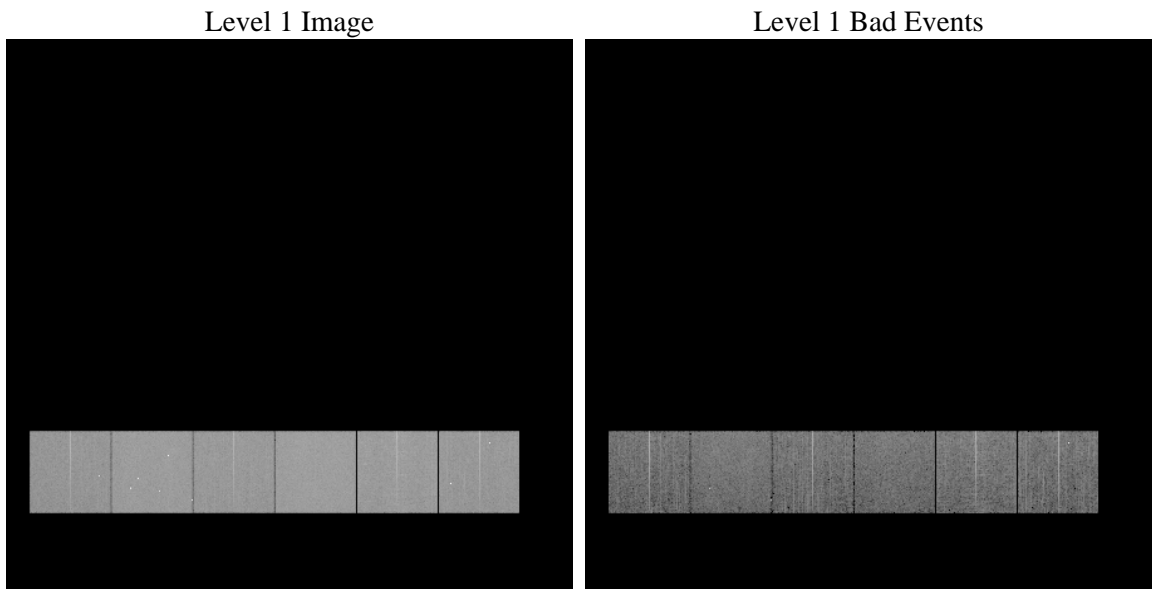
1 Front

seq_num	 	Sequence number
obs_id	59349	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	23.982085132791	Nominal RA [deg]
dec_nom	42.97453867534	Nominal Dec [deg]
roll_nom	210.01430914049	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7830.2638058662	Sum of GTIs [s]
livetime	7731.1122907375	Livetime [s]
ontime4	6277.8489110172	Sum of GTIs [s]
ontime5	7830.2227658629	Sum of GTIs [s]
ontime6	6793.0680303574	Sum of GTIs [s]
ontime7	7830.2638058662	Sum of GTIs [s]
ontime8	7087.9152374566	Sum of GTIs [s]
ontime9	6695.9358070791	Sum of GTIs [s]
l2events	995132	Number of level 2 events

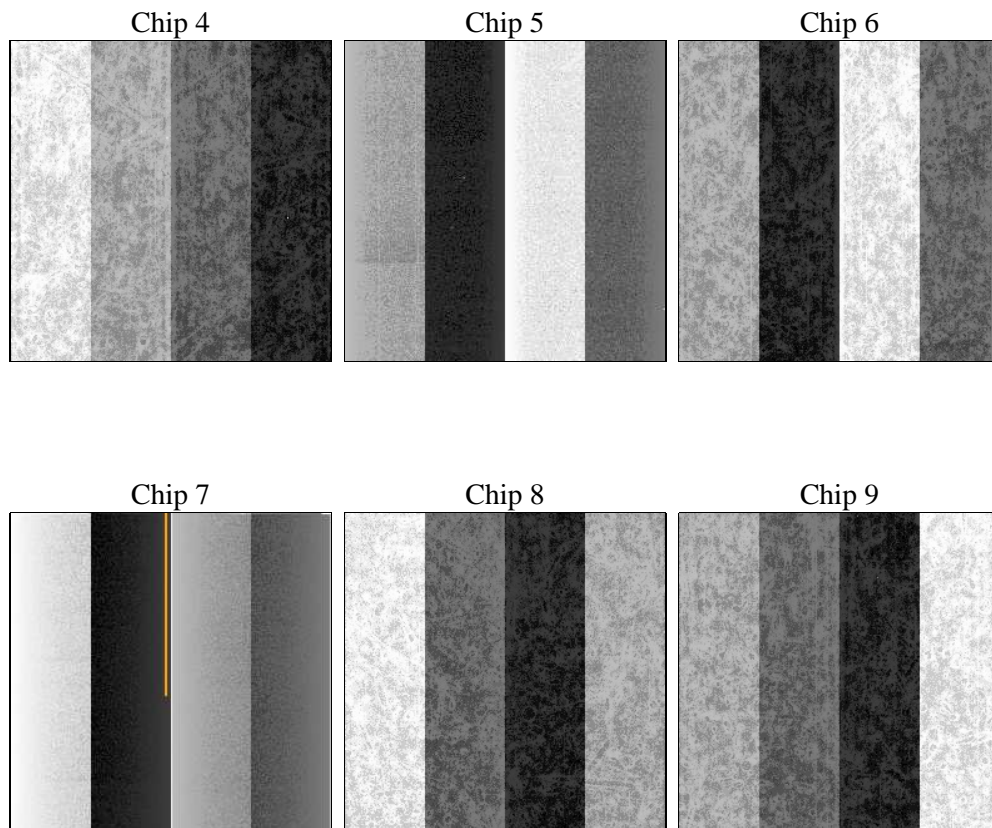
2 OBI

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	8.5.1.1	Processing system revision	ontime	7830.2638058662	Sum of GTIs [s]
caldsver	4.5.5	 	ontime4	6277.8489110172	Sum of GTIs [s]
date	2012-12-31T11:18:32	Date and time of file creation	ontime5	7830.2227658629	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	6793.0680303574	Sum of GTIs [s]
			ontime7	7830.2638058662	Sum of GTIs [s]
			ontime8	7087.9152374566	Sum of GTIs [s]
			ontime9	6695.9358070791	Sum of GTIs [s]
			l1events	1407498	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	199184	253129	223726	263191	247630	220638	grade 0 events	83770	41358	89507	50600	96891	88196
rejected events	53215	58656	55671	51907	63159	58477		42%	16%	40%	19%	39%	39%
rejected %	26%	23%	24%	19%	25%	26%	grade 1 events	741	330	535	161	647	2593
								0%	0%	0%	0%	0%	1%
							grade 2 events	22806	70811	29047	46536	32701	27140
								11%	27%	12%	17%	13%	12%
							grade 3 events	9612	10804	10367	20143	11993	10486
								4%	4%	4%	7%	4%	4%
							grade 4 events	9862	10477	10405	20072	11911	10217
								4%	4%	4%	7%	4%	4%
							grade 5 events	3026	9118	3353	9159	4426	3543
								1%	3%	1%	3%	1%	1%
							grade 6 events	19919	61023	28729	73933	30975	26122
								10%	24%	12%	28%	12%	11%
							grade 7 events	49448	49208	51783	42587	58086	52341
								24%	19%	23%	16%	23%	23%

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	23.98208513279138
[deg] Pointing Dec	0	42.9745386753396
[deg] Pointing Roll	0.0	210.0143091404903
[mm] SIM focus pos	-0.684267	-1.428180813131781
[mm] SIM defocus	0	0.1051558262725154
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	247457604.347164	247457603.32217
Observation start date	2005-11-04T02:13:24	2005-11-04T02:13:23
[s] Observation end time (MET)	247478473.348126	247478472.32314
Observation end date	2005-11-04T08:01:13	2005-11-04T08:01:12
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2013.01.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8302638058662

A.2 Comments