

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56040 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 2 2012

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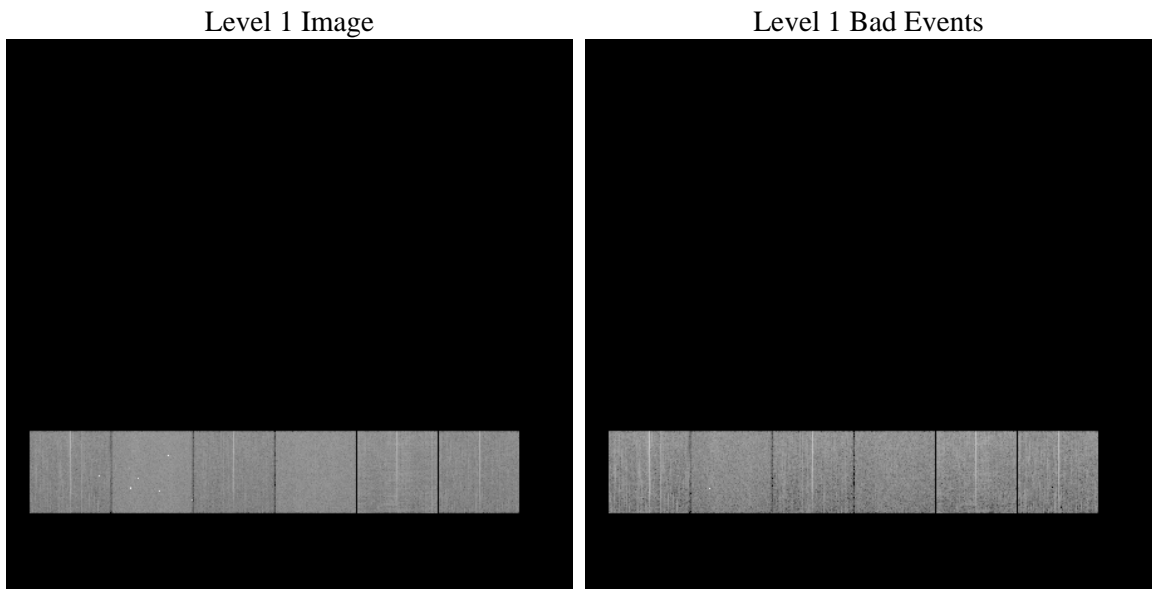
1 Front

seq_num	 	Sequence number
obs_id	56040	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	345.97347702722	Nominal RA [deg]
dec_nom	17.486417346549	Nominal Dec [deg]
roll_nom	175.41805894247	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7609.0385667086	Sum of GTIs [s]
livetime	7512.6883387639	Livetime [s]
ontime4	7608.9154466987	Sum of GTIs [s]
ontime5	7608.9975267053	Sum of GTIs [s]
ontime6	7608.956486702	Sum of GTIs [s]
ontime7	7609.0385667086	Sum of GTIs [s]
ontime8	7608.8744066954	Sum of GTIs [s]
ontime9	7609.0796067119	Sum of GTIs [s]
l2events	373837	Number of level 2 events

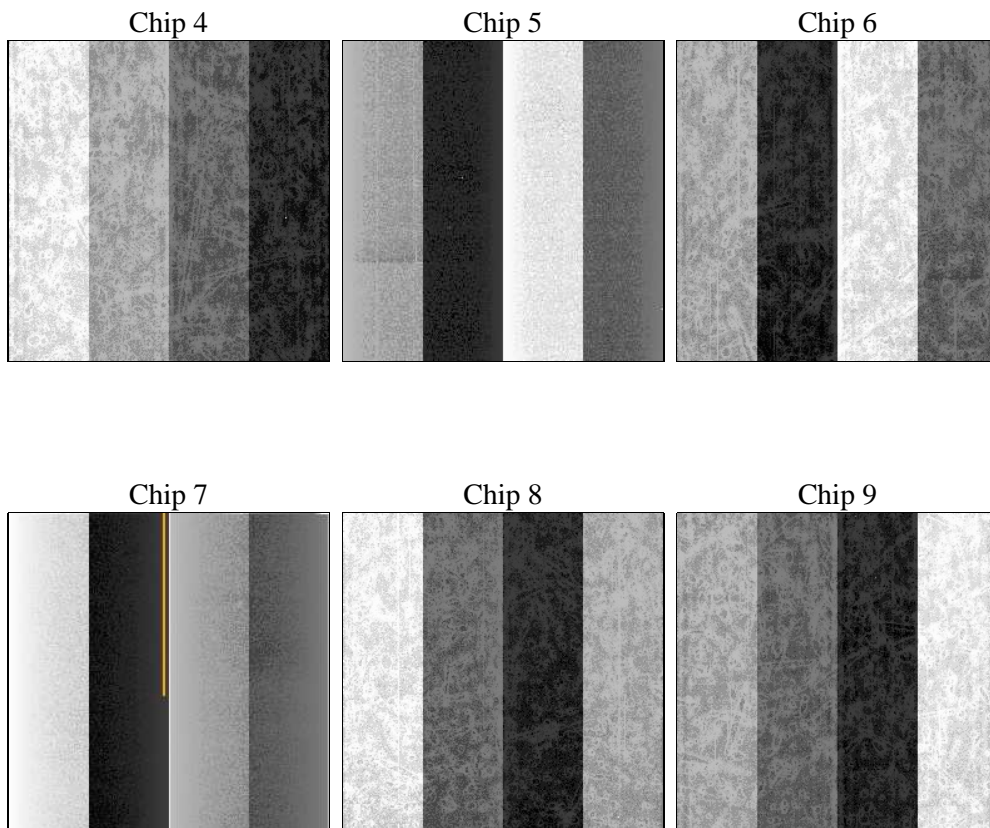
2 OBI

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	7609.0385667086	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	7608.9154466987	Sum of GTIs [s]
date	2012-07-02T19:50:54	Date and time of file creation	ontime5	7608.9975267053	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7608.956486702	Sum of GTIs [s]
			ontime7	7609.0385667086	Sum of GTIs [s]
			ontime8	7608.8744066954	Sum of GTIs [s]
			ontime9	7609.0796067119	Sum of GTIs [s]
			l1events	809698	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	122827	158474	120253	147962	140732	119450	grade 0 events	30829	15233	29199	14957	33187	28716
rejected events	68519	65208	63835	61266	71469	64649		25%	9%	24%	10%	23%	24%
rejected %	55%	41%	53%	41%	50%	54%	grade 1 events	277	188	197	138	223	214
								0%	0%	0%	0%	0%	0%
							grade 2 events	8793	32357	10306	18717	13299	9629
								7%	20%	8%	12%	9%	8%
							grade 3 events	3927	3796	3799	7710	5188	3859
								3%	2%	3%	5%	3%	3%
							grade 4 events	3728	3655	3603	7825	5012	3775
								3%	2%	2%	5%	3%	3%
							grade 5 events	3732	8578	3845	9549	5018	4341
								3%	5%	3%	6%	3%	3%
							grade 6 events	7031	38225	9511	37487	12577	8822
								5%	24%	7%	25%	8%	7%
							grade 7 events	64510	56442	59793	51579	66228	60094
								52%	35%	49%	34%	47%	50%

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	345.9734770272181
[deg] Pointing Dec	0	17.48641734654873
[deg] Pointing Roll	0.0	175.4180589424685
[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)	400075748.63757	400075747.61258
Observation start date	2010-09-05T12:09:09	2010-09-05T12:09:07
[s] Observation end time (MET)	400086892.438141	400086891.41315
Observation end date	2010-09-05T15:14:52	2010-09-05T15:14:51
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)	2012.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.6090385667086

A.2 Comments