

V&V Reference Report

L2 ASCDS Version : 10.2.2

Observation 52780 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 11 2014

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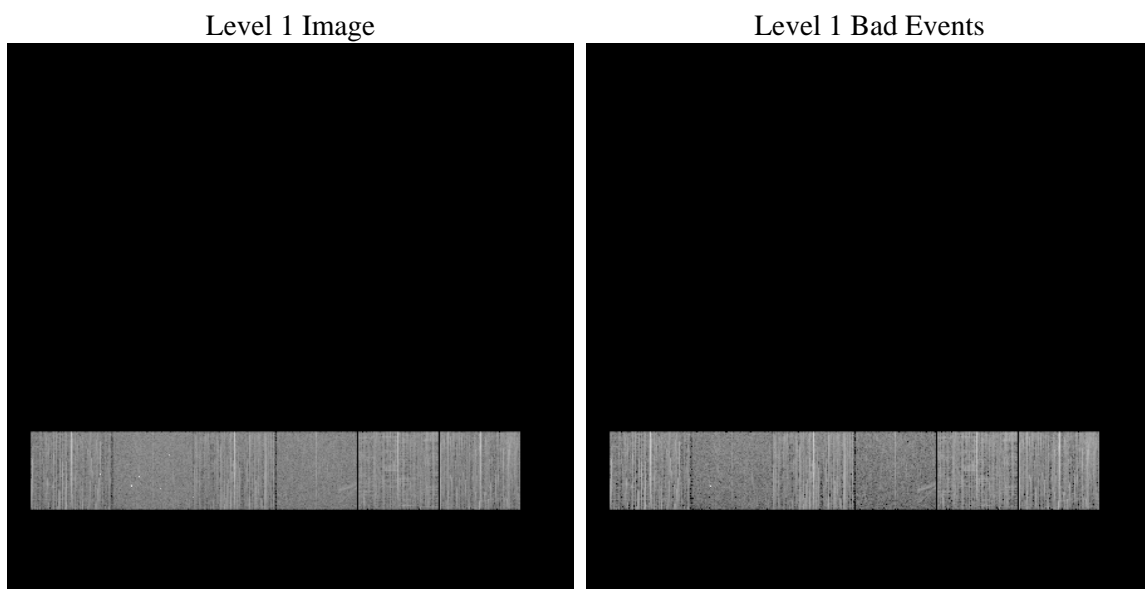
1 Front

seq_num	 	Sequence number
obs_id	52780	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	51.973545170442	Nominal RA [deg]
dec_nom	-32.017820058665	Nominal Dec [deg]
roll_nom	185.48774526165	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4613.8947182894	Sum of GTIs [s]
livetime	4555.4708052125	Livetime [s]
ontime4	4613.7715982795	Sum of GTIs [s]
ontime5	4613.8536782861	Sum of GTIs [s]
ontime6	4613.8126382828	Sum of GTIs [s]
ontime7	4613.8947182894	Sum of GTIs [s]
ontime8	4607.2485778332	Sum of GTIs [s]
ontime9	4613.9357582927	Sum of GTIs [s]
l2events	115381	Number of level 2 events

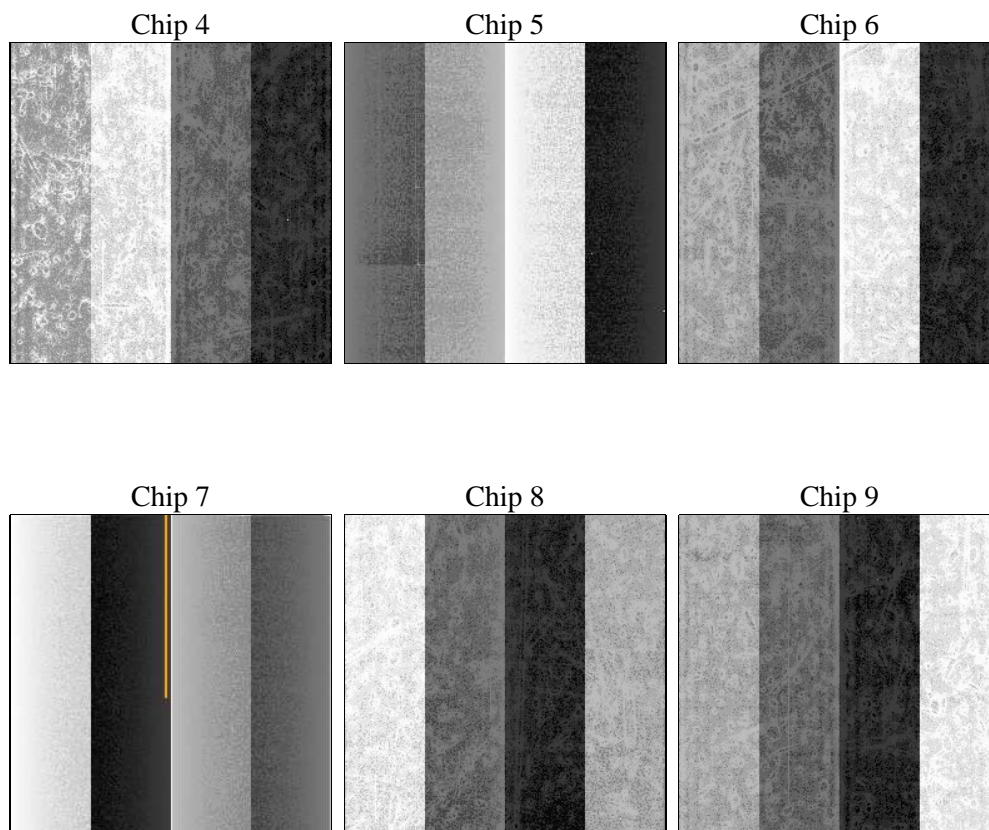
2 OBI

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	10.2.2	Processing system revision	ontime	4613.8947182894	Sum of GTIs [s]
caldbver	4.6.1	 	ontime4	4613.7715982795	Sum of GTIs [s]
date	2014-05-11T10:22:43	Date and time of file creation	ontime5	4613.8536782861	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	4613.8126382828	Sum of GTIs [s]
			ontime7	4613.8947182894	Sum of GTIs [s]
			ontime8	4607.2485778332	Sum of GTIs [s]
			ontime9	4613.9357582927	Sum of GTIs [s]
			l1events	496712	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	83355	74508	89123	67537	91230	90959	grade 0 events	9097	4299	7641	4083	9074	7793
rejected events	67176	41490	73524	38383	70662	75648		10%	5%	8%	6%	9%	8%
rejected %	80%	55%	82%	56%	77%	83%	grade 1 events	72	95	36	80	50	43
								0%	0%	0%	0%	0%	0%
							grade 2 events	3053	12121	3346	7242	4439	3114
								3%	16%	3%	10%	4%	3%
							grade 3 events	1137	1091	1042	2372	1647	1114
								1%	1%	1%	3%	1%	1%
							grade 4 events	1106	1069	1079	2326	1548	1026
								1%	1%	1%	3%	1%	1%
							grade 5 events	1804	3476	1720	4116	2296	1894
								2%	4%	1%	6%	2%	2%
							grade 6 events	2103	15104	2817	13710	4266	2572
								2%	20%	3%	20%	4%	2%
							grade 7 events	64983	37253	71442	33608	67910	73403
								77%	49%	80%	49%	74%	80%

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	51.97354517044202	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-32.01782005866455	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	185.4877452616483	[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	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	516155045.462714	516155044.43771			
Observation start date	2014-05-11T00:24:05	2014-05-11T00:24:04			
[s] Observation end time (MET)	516161984.713097	516161983.6881			
Observation end date	2014-05-11T02:19:45	2014-05-11T02:19:43			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.05.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.6138947182894

A.2 Comments