

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54220 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 25 2012

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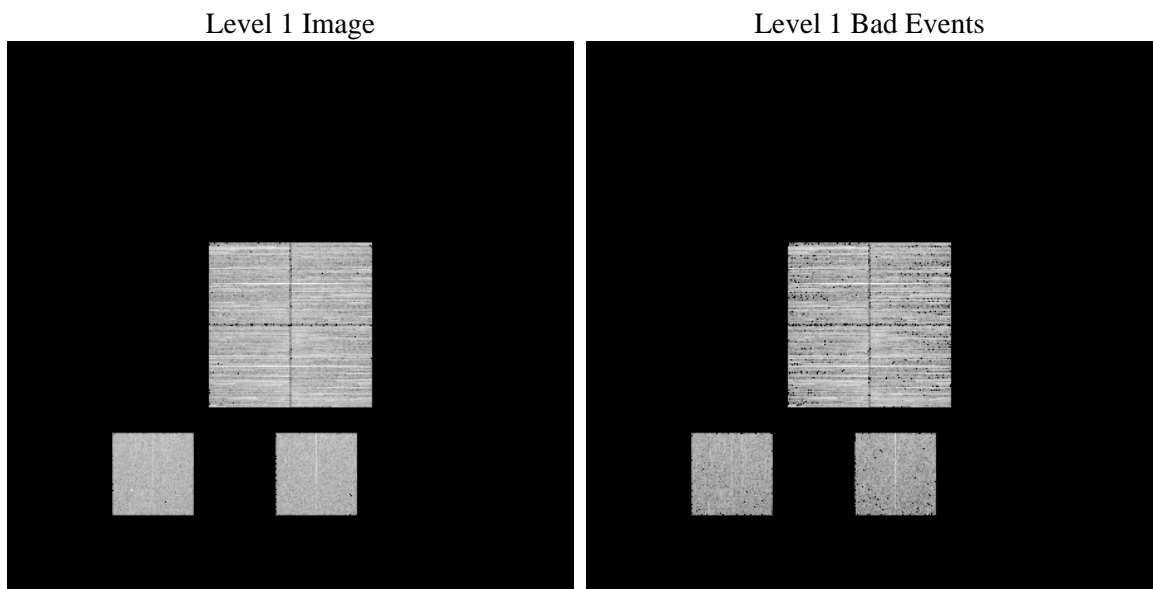
1 Front

seq_num	 	Sequence number
obs_id	54220	Observation id
title	ACIS-012357 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	42.73264575592	Nominal RA [deg]
dec_nom	-9.0849509159282	Nominal Dec [deg]
roll_nom	32.816914792245	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3282.9919531345	Sum of GTIs [s]
livetime	3241.4207322435	Livetime [s]
ontime0	3282.9509131312	Sum of GTIs [s]
ontime1	3282.9098731279	Sum of GTIs [s]
ontime2	3282.8688331246	Sum of GTIs [s]
ontime3	3283.0329931378	Sum of GTIs [s]
ontime5	3282.8277931213	Sum of GTIs [s]
ontime7	3282.9919531345	Sum of GTIs [s]
l2events	102550	Number of level 2 events

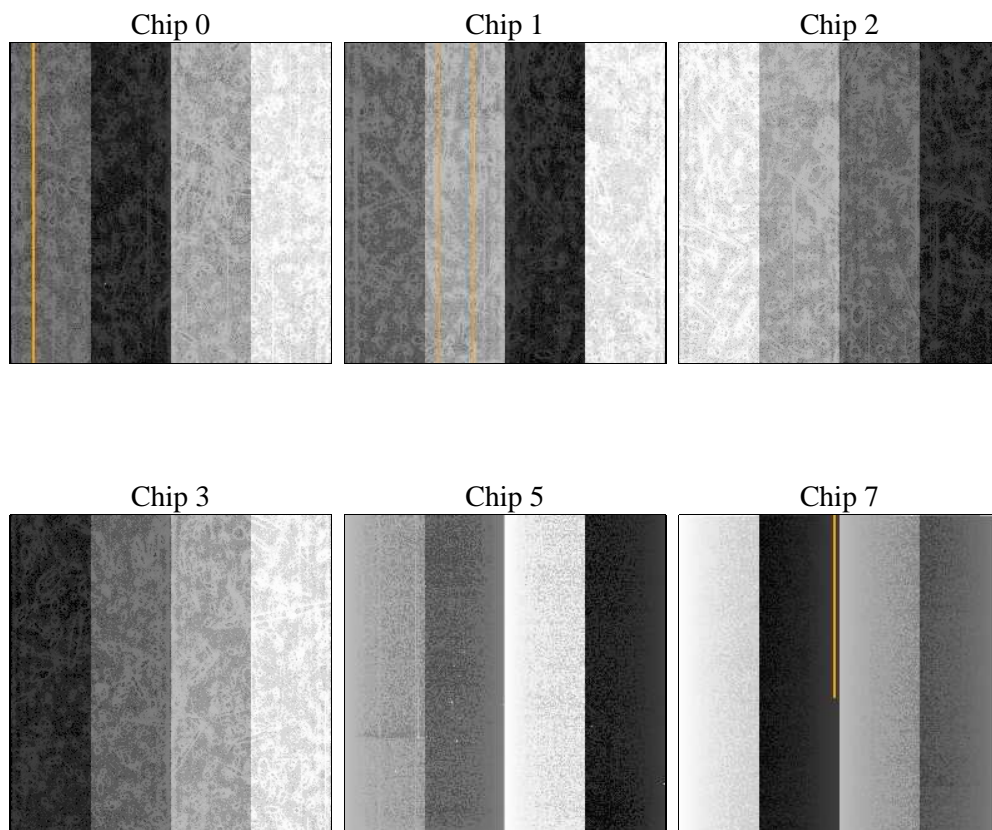
2 OBI

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	3282.9919531345	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	3282.9509131312	Sum of GTIs [s]
date	2012-10-25T05:24:11	Date and time of file creation	ontime1	3282.9098731279	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3282.8688331246	Sum of GTIs [s]
			ontime3	3283.0329931378	Sum of GTIs [s]
			ontime5	3282.8277931213	Sum of GTIs [s]
			ontime7	3282.9919531345	Sum of GTIs [s]
			l1events	381659	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	65853	66395	70519	70440	55811	52641	grade 0 events	7114	6779	7553	7603	2128	3375
rejected events	51528	52010	55957	55884	30524	28109		10%	10%	10%	10%	3%	6%
rejected %	78%	78%	79%	79%	54%	53%	grade 1 events	47	28	45	45	69	39
								0%	0%	0%	0%	0%	0%
							grade 2 events	3106	3417	2900	2922	9606	6187
								4%	5%	4%	4%	17%	11%
							grade 3 events	898	822	977	959	798	1891
								1%	1%	1%	1%	1%	3%
							grade 4 events	905	902	931	984	795	1779
								1%	1%	1%	1%	1%	3%
							grade 5 events	1166	1045	1159	1268	2242	2811
								1%	1%	1%	1%	4%	5%
							grade 6 events	2302	2465	2201	2088	11960	11300
								3%	3%	3%	2%	21%	21%
							grade 7 events	50315	50937	54753	54571	28213	25259
								76%	76%	77%	77%	50%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	42.7326457559197	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-9.084950915928198	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	32.816914792245	[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)	467480090.861077	467480089.83608			
Observation start date	2012-10-24T15:34:51	2012-10-24T15:34:49			
[s] Observation end time (MET)	467485271.211355	467485270.18635			
Observation end date	2012-10-24T17:01:11	2012-10-24T17:01:10			
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)	2012.10.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2829919531345

A.2 Comments