

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53694 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 16 2013

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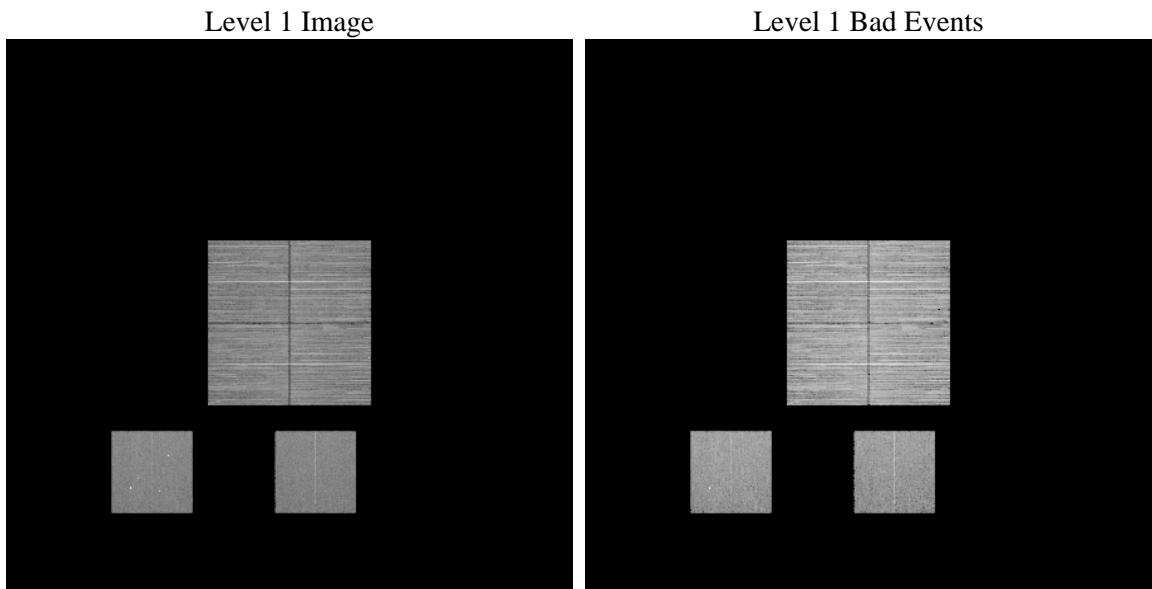
1 Front

seq_num	 	Sequence number
obs_id	53694	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	212.04733856369	Nominal RA [deg]
dec_nom	-46.000439341203	Nominal Dec [deg]
roll_nom	320.89843509106	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8254.9474374056	Sum of GTIs [s]
livetime	8150.4183224206	Livetime [s]
ontime0	8254.9474374056	Sum of GTIs [s]
ontime1	8254.9474374056	Sum of GTIs [s]
ontime2	8254.9373570681	Sum of GTIs [s]
ontime3	8254.9474374056	Sum of GTIs [s]
ontime5	8254.8963170648	Sum of GTIs [s]
ontime7	8254.9474374056	Sum of GTIs [s]
l2events	245865	Number of level 2 events

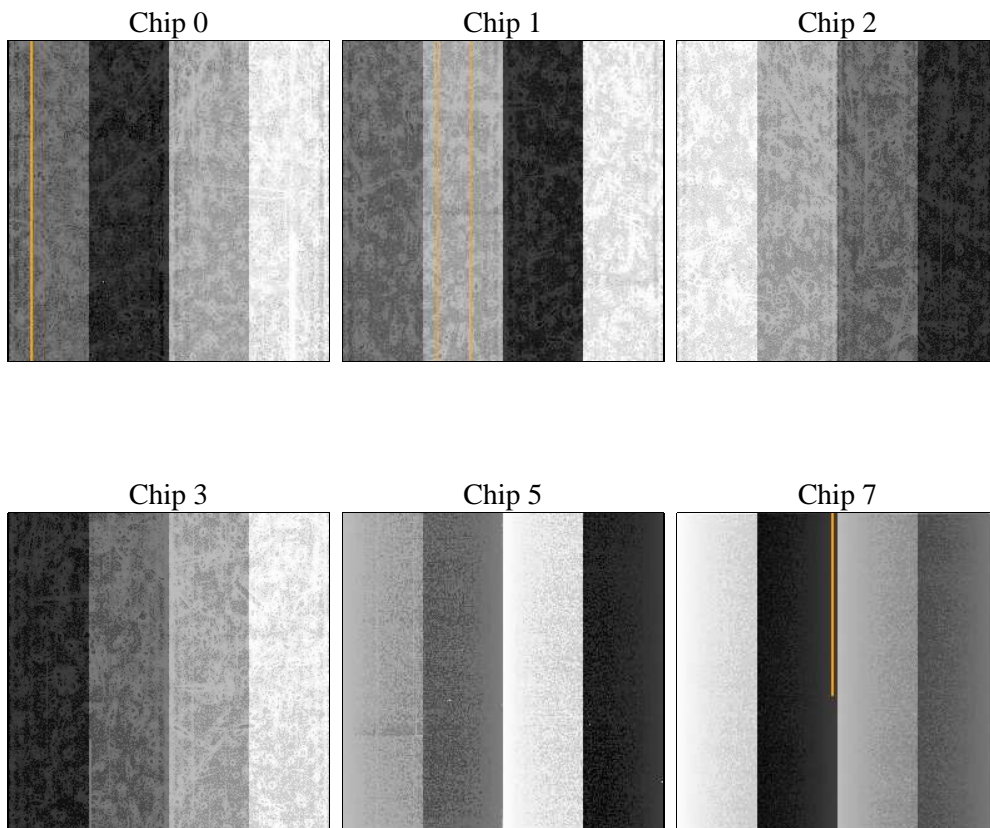
2 OBI

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	8254.9474374056	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8254.9474374056	Sum of GTIs [s]
date	2013-05-16T15:44:24	Date and time of file creation	ontime1	8254.9474374056	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8254.9373570681	Sum of GTIs [s]
			ontime3	8254.9474374056	Sum of GTIs [s]
			ontime5	8254.8963170648	Sum of GTIs [s]
			ontime7	8254.9474374056	Sum of GTIs [s]
			l1events	890670	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	145322	163476	155734	163499	136605	126034	grade 0 events	17178	16885	18200	17945	9207	9031
rejected events	111220	129113	121407	126624	71437	66273		11%	10%	11%	10%	6%	7%
rejected %	76%	78%	77%	77%	52%	52%	grade 1 events	100	73	98	121	129	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	6789	7142	6511	8974	23794	14613
								4%	4%	4%	5%	17%	11%
							grade 3 events	2360	2279	2254	2439	2364	4961
								1%	1%	1%	1%	1%	3%
							grade 4 events	2229	2267	2244	2355	2218	4990
								1%	1%	1%	1%	1%	3%
							grade 5 events	2856	2936	2624	3231	6077	7625
								1%	1%	1%	1%	4%	6%
							grade 6 events	5546	5790	5118	5162	27585	26166
								3%	3%	3%	3%	20%	20%
							grade 7 events	108264	126104	118685	123272	65231	58553
								74%	77%	76%	75%	47%	46%

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	212.0473385636871	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-46.00043934120281	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	320.8984350910553	[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)	485044688.609127	485044687.58413			
Observation start date	2013-05-15T22:38:09	2013-05-15T22:38:07			
[s] Observation end time (MET)	485056761.059781	485056760.03478			
Observation end date	2013-05-16T01:59:21	2013-05-16T01:59:20			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2549474374056

A.2 Comments