

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53925 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 21 2013

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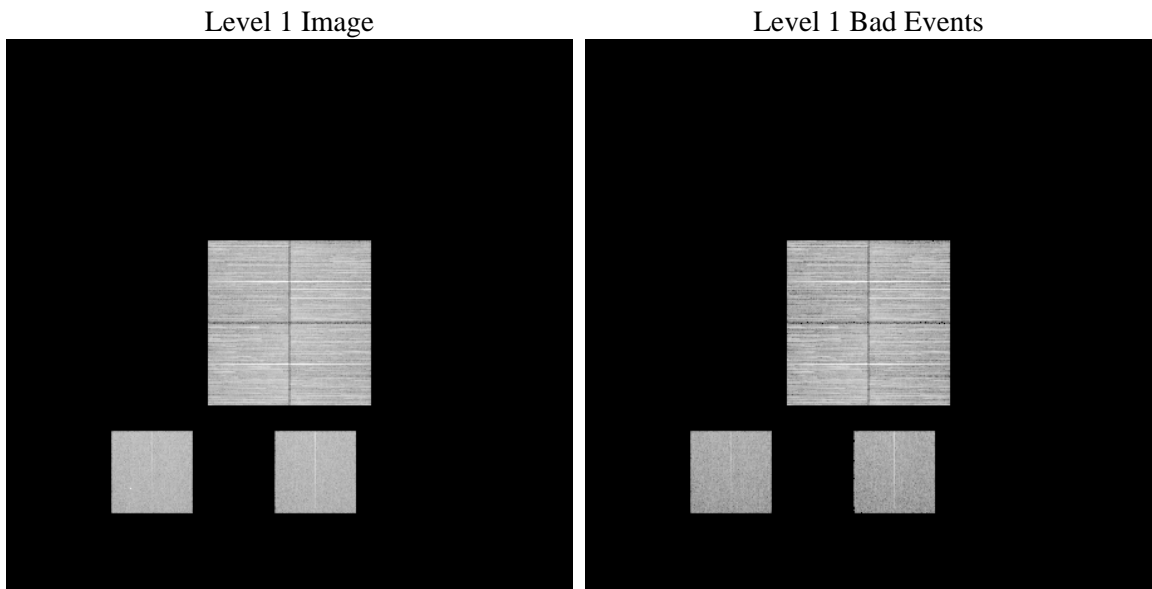
1 Front

seq_num	 	Sequence number
obs_id	53925	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	145.05806361487	Nominal RA [deg]
dec_nom	-15.655719723058	Nominal Dec [deg]
roll_nom	341.01398884494	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8281.5999692082	Sum of GTIs [s]
livetime	8176.7333638173	Livetime [s]
ontime0	8281.5999692082	Sum of GTIs [s]
ontime1	8281.5999692082	Sum of GTIs [s]
ontime2	8281.5999692082	Sum of GTIs [s]
ontime3	8281.5999692082	Sum of GTIs [s]
ontime5	8281.5999692082	Sum of GTIs [s]
ontime7	8281.5999692082	Sum of GTIs [s]
l2events	252959	Number of level 2 events

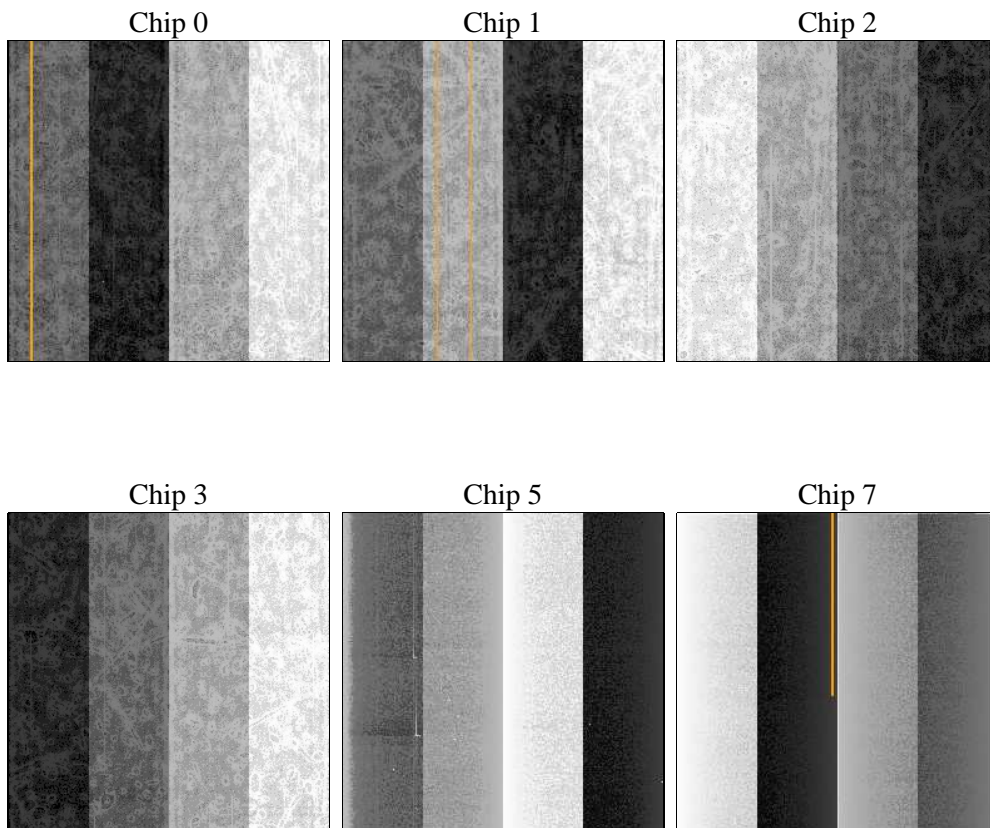
2 OBI

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	8281.5999692082	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	8281.5999692082	Sum of GTIs [s]
date	2013-02-21T08:34:34	Date and time of file creation	ontime1	8281.5999692082	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8281.5999692082	Sum of GTIs [s]
			ontime3	8281.5999692082	Sum of GTIs [s]
			ontime5	8281.5999692082	Sum of GTIs [s]
			ontime7	8281.5999692082	Sum of GTIs [s]
			l1events	991858	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	161415	186794	188234	175067	143022	137326	grade 0 events	17303	15965	18035	17871	5140	8591
rejected events	126993	152457	153382	140516	78241	74910		10%	8%	9%	10%	3%	6%
rejected %	78%	81%	81%	80%	54%	54%	grade 1 events	83	76	115	114	146	93
								0%	0%	0%	0%	0%	0%
							grade 2 events	7257	8097	6923	6851	24397	15482
								4%	4%	3%	3%	17%	11%
							grade 3 events	2221	2270	2348	2246	2073	4902
								1%	1%	1%	1%	1%	3%
							grade 4 events	2198	2131	2247	2290	2005	4768
								1%	1%	1%	1%	1%	3%
							grade 5 events	2955	2992	2824	3295	6102	7884
								1%	1%	1%	1%	4%	5%
							grade 6 events	5454	5882	5307	5303	31190	28697
								3%	3%	2%	3%	21%	20%
							grade 7 events	123944	149381	150435	137097	71969	66909
								76%	79%	79%	78%	50%	48%

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	145.0580636148691	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-15.6557197230577	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	341.0139888449439	[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)	477760818.864876	477760817.83988			
Observation start date	2013-02-20T15:20:19	2013-02-20T15:20:17			
[s] Observation end time (MET)	477771946.265477	477771945.24048			
Observation end date	2013-02-20T18:25:46	2013-02-20T18:25:45			
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)	2013.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2815999692082

A.2 Comments