

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53165 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 14 2013

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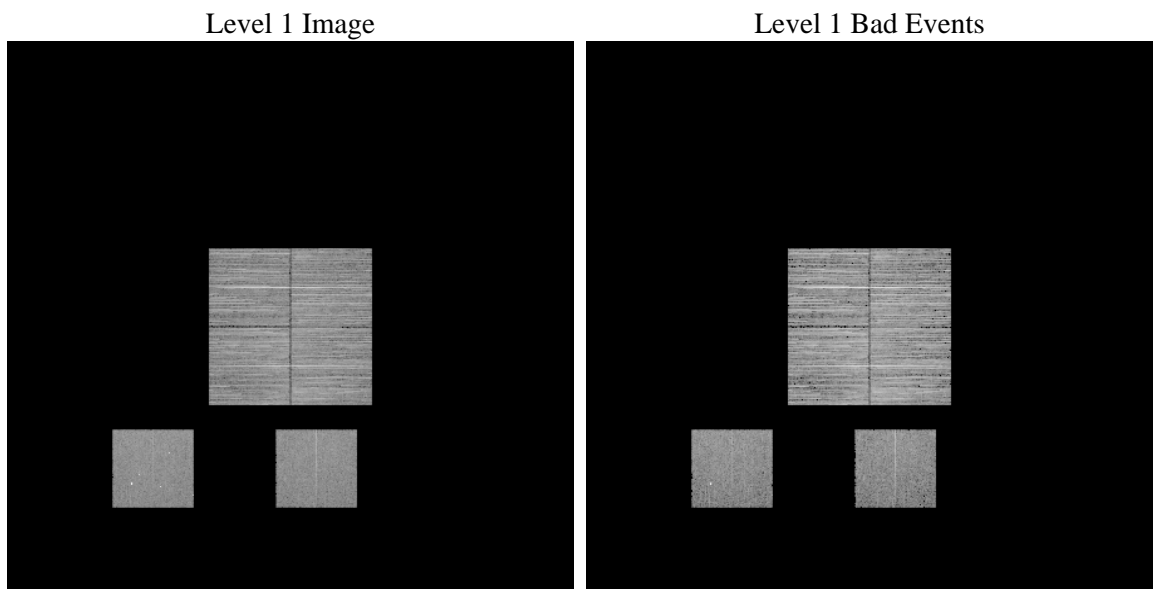
1 Front

seq_num	 	Sequence number
obs_id	53165	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	50.34892572268	Nominal RA [deg]
dec_nom	31.153890702879	Nominal Dec [deg]
roll_nom	261.0485703656	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5924.9699704051	Sum of GTIs [s]
livetime	5849.9444330512	Livetime [s]
ontime0	5924.9289304018	Sum of GTIs [s]
ontime1	5924.8878903985	Sum of GTIs [s]
ontime2	5924.8468503952	Sum of GTIs [s]
ontime3	5925.0110104084	Sum of GTIs [s]
ontime5	5924.8058103919	Sum of GTIs [s]
ontime7	5924.9699704051	Sum of GTIs [s]
l2events	153663	Number of level 2 events

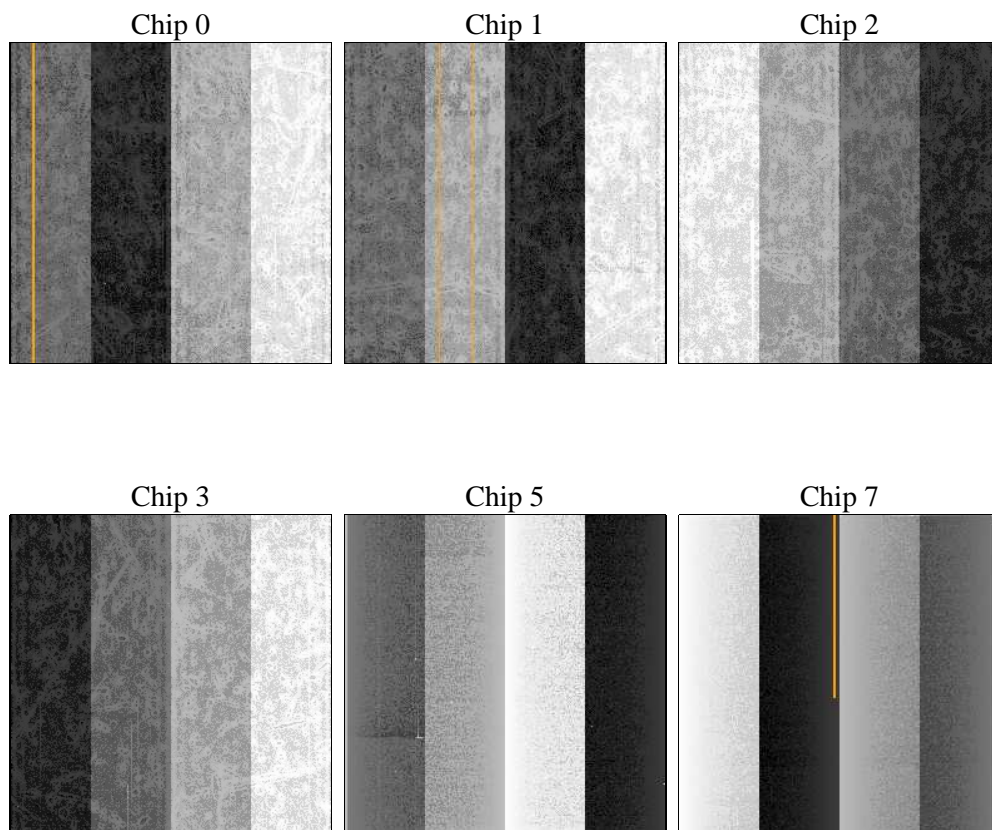
2 OBI

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	10.1.1	Processing system revision	ontime	5924.9699704051	Sum of GTIs [s]
caldsver	4.6.0	 	ontime0	5924.9289304018	Sum of GTIs [s]
date	2013-12-14T16:25:25	Date and time of file creation	ontime1	5924.8878903985	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5924.8468503952	Sum of GTIs [s]
			ontime3	5925.0110104084	Sum of GTIs [s]
			ontime5	5924.8058103919	Sum of GTIs [s]
			ontime7	5924.9699704051	Sum of GTIs [s]
			l1events	596516	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	101938	103277	105849	110067	90705	84680	grade 0 events	10302	10134	10739	10608	5494	5692
rejected events	81534	82455	85361	89604	48272	45793		10%	9%	10%	9%	6%	6%
rejected %	79%	79%	80%	81%	53%	54%	grade 1 events	51	40	60	64	121	65
								0%	0%	0%	0%	0%	0%
							grade 2 events	4094	4424	3966	3905	15593	9523
								4%	4%	3%	3%	17%	11%
							grade 3 events	1360	1410	1411	1423	1518	3241
								1%	1%	1%	1%	1%	3%
							grade 4 events	1379	1398	1392	1469	1525	3064
								1%	1%	1%	1%	1%	3%
							grade 5 events	1985	2013	1858	2160	4205	5327
								1%	1%	1%	1%	4%	6%
							grade 6 events	3282	3471	2987	3072	18320	17385
								3%	3%	2%	2%	20%	20%
							grade 7 events	79485	80387	83436	87366	43929	40383
								77%	77%	78%	79%	48%	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	50.34892572267961	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	31.15389070287897	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	261.0485703656043	[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)	503325786.006414	503325784.98141			
Observation start date	2013-12-13T12:43:06	2013-12-13T12:43:04			
[s] Observation end time (MET)	503345560.3075	503345559.2825			
Observation end date	2013-12-13T18:12:40	2013-12-13T18:12:39			
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)	2013.12.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.9249699704051

A.2 Comments