

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53988 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 28 2013

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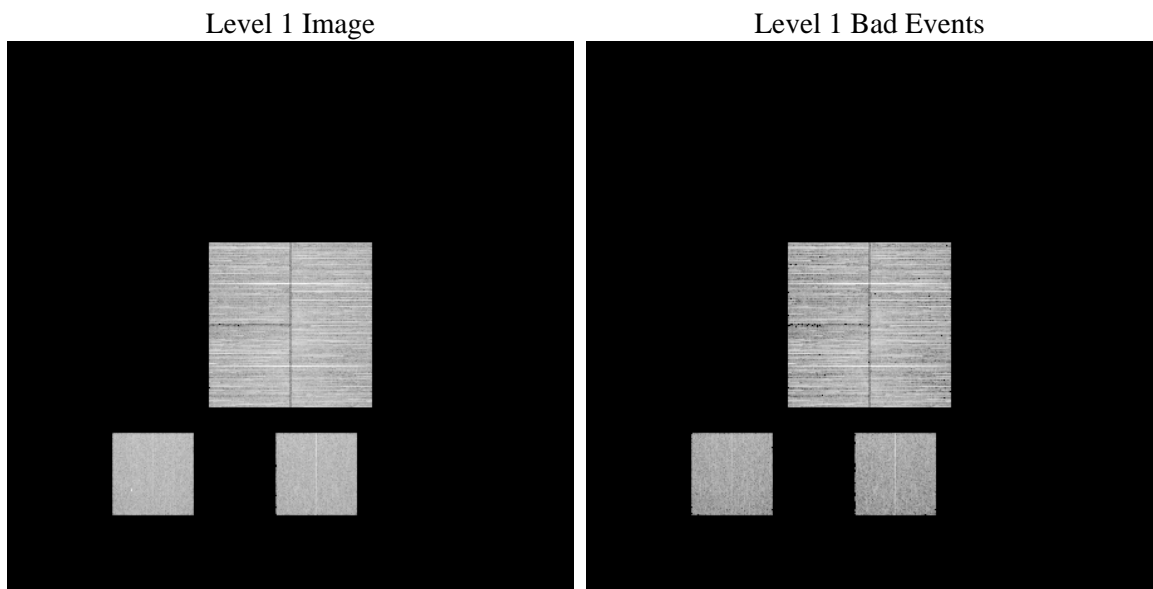
1 Front

seq_num	 	Sequence number
obs_id	53988	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	100.02362015224	Nominal RA [deg]
dec_nom	19.970965289662	Nominal Dec [deg]
roll_nom	271.76728870973	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5804.1401569843	Sum of GTIs [s]
livetime	5730.644639483	Livetime [s]
ontime0	5723.0739634633	Sum of GTIs [s]
ontime1	5735.99707371	Sum of GTIs [s]
ontime2	5716.5098133683	Sum of GTIs [s]
ontime3	5719.9150231481	Sum of GTIs [s]
ontime5	5803.9759969711	Sum of GTIs [s]
ontime7	5804.1401569843	Sum of GTIs [s]
l2events	175897	Number of level 2 events

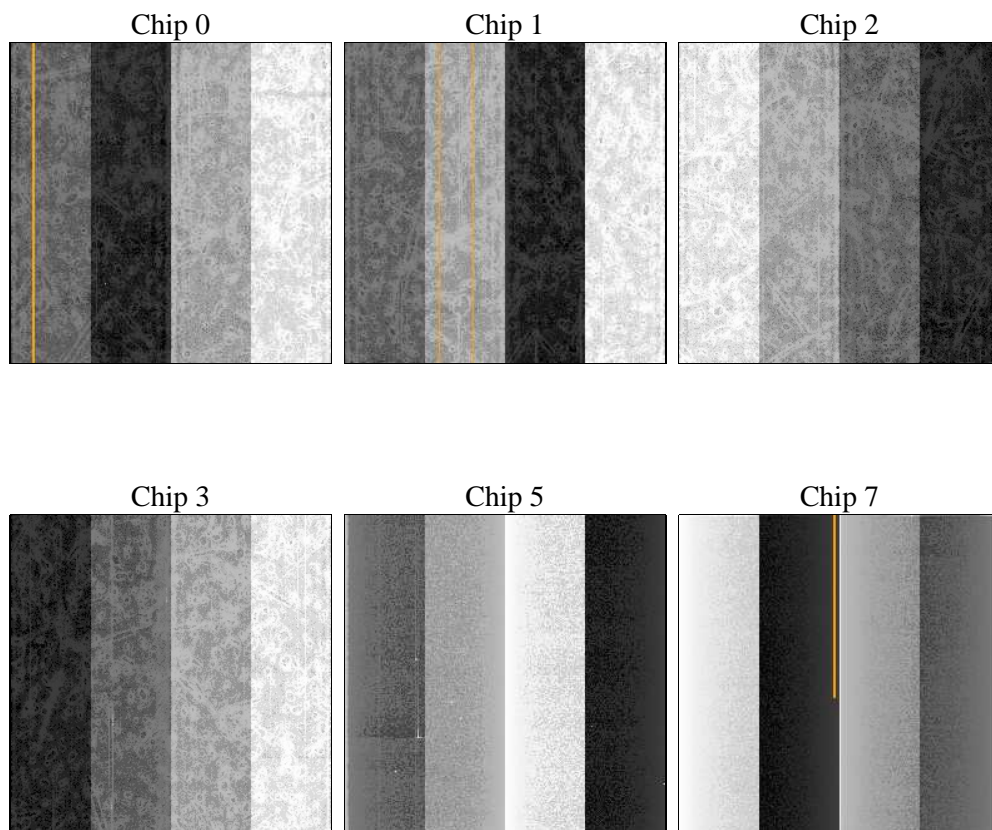
2 OBI

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	5804.1401569843	Sum of GTIs [s]
caldbver	4.5.5	 	ontime0	5723.0739634633	Sum of GTIs [s]
date	2013-01-28T14:28:46	Date and time of file creation	ontime1	5735.99707371	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5716.5098133683	Sum of GTIs [s]
			ontime3	5719.9150231481	Sum of GTIs [s]
			ontime5	5803.9759969711	Sum of GTIs [s]
			ontime7	5804.1401569843	Sum of GTIs [s]
			l1events	673980	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	113024	123946	120275	121244	99955	95536	grade 0 events	12047	11367	12601	12809	3786	6070
rejected events	89023	99821	96024	96620	55181	52099		10%	9%	10%	10%	3%	6%
rejected %	78%	80%	79%	79%	55%	54%	grade 1 events	43	55	76	75	105	65
								0%	0%	0%	0%	0%	0%
							grade 2 events	5160	5735	4985	4923	17261	10986
								4%	4%	4%	4%	17%	11%
							grade 3 events	1596	1557	1618	1634	1418	3271
								1%	1%	1%	1%	1%	3%
							grade 4 events	1473	1462	1558	1676	1324	3287
								1%	1%	1%	1%	1%	3%
							grade 5 events	1986	2037	1944	2318	4181	5389
								1%	1%	1%	1%	4%	5%
							grade 6 events	3884	4154	3686	3750	21278	20107
								3%	3%	3%	3%	21%	21%
							grade 7 events	86835	97579	93807	94059	50602	46361
								76%	78%	77%	77%	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	100.023620152236	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	19.97096528966193	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	271.767288709734	[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	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	475701755.703694	475701754.67869			
Observation start date	2013-01-27T19:22:36	2013-01-27T19:22:34			
[s] Observation end time (MET)	475711724.854232	475711723.82923			
Observation end date	2013-01-27T22:08:45	2013-01-27T22:08:43			
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)	2013.01.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.8041401569843

A.2 Comments