

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53898 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 3 2013

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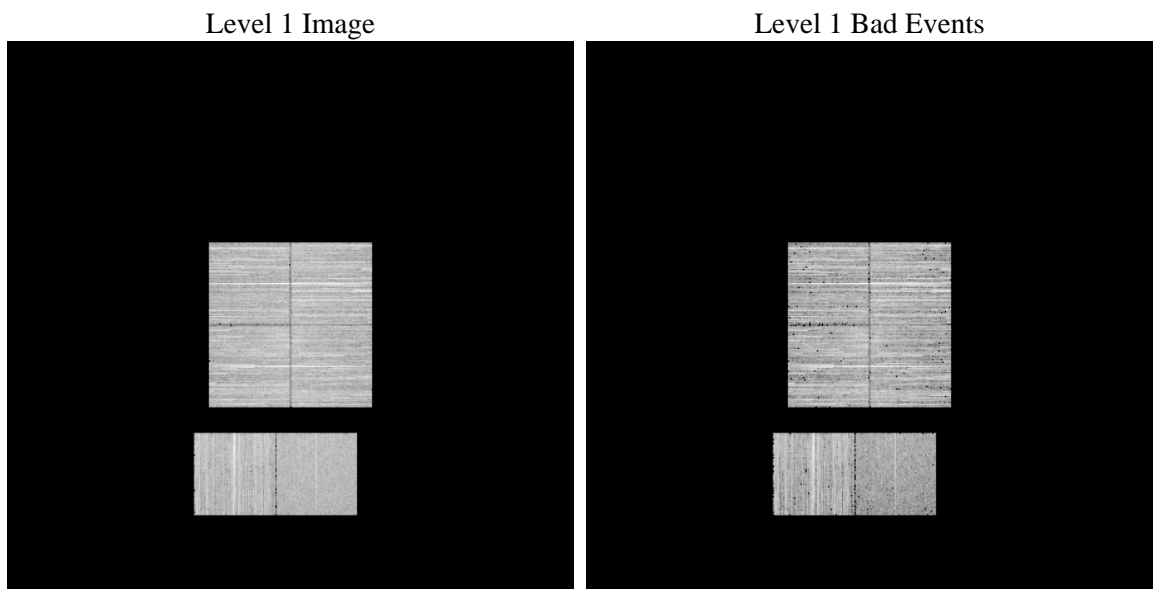
1 Front

seq_num	 	Sequence number
obs_id	53898	Observation id
title	ACIS-012367 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	176.07364110929	Nominal RA [deg]
dec_nom	2.5079181609976	Nominal Dec [deg]
roll_nom	69.719080731937	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4381.8408470154	Sum of GTIs [s]
livetime	4326.3553397827	Livetime [s]
ontime0	4381.8408470154	Sum of GTIs [s]
ontime1	4381.8408470154	Sum of GTIs [s]
ontime2	4383.7519083619	Sum of GTIs [s]
ontime3	4381.8408470154	Sum of GTIs [s]
ontime6	4383.7108683586	Sum of GTIs [s]
ontime7	4381.8408470154	Sum of GTIs [s]
l2events	171356	Number of level 2 events

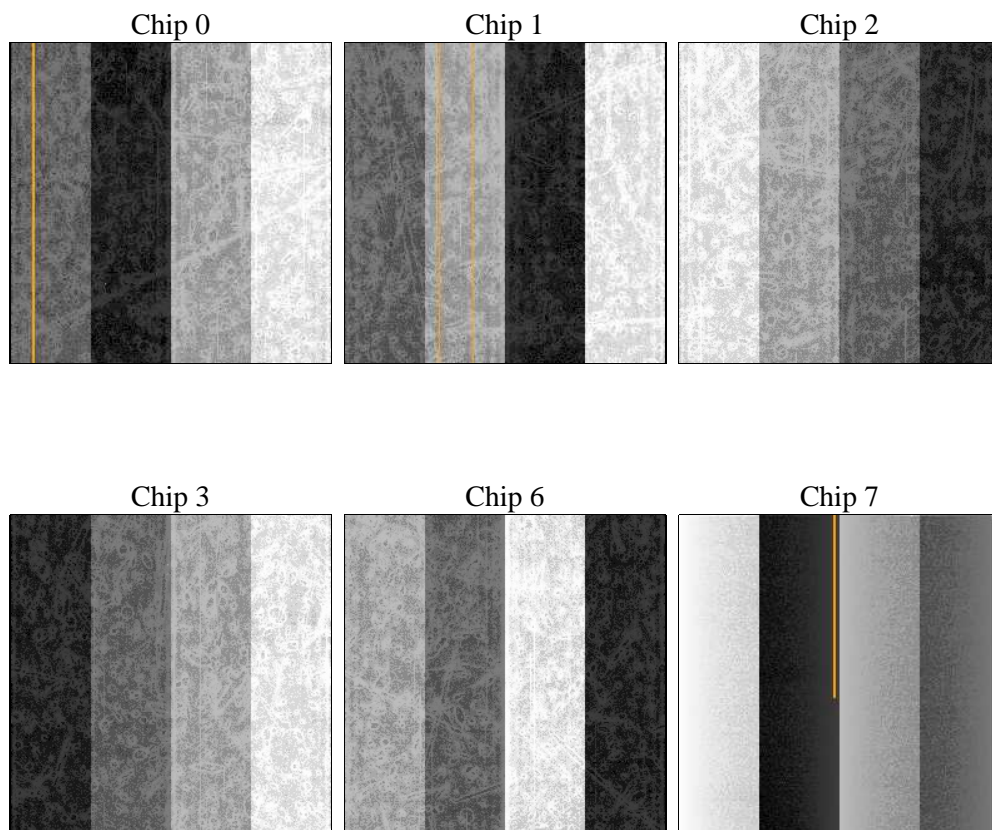
2 OBI

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	4381.8408470154	Sum of GTIs [s]
caldbver	4.5.6	 	ontime0	4381.8408470154	Sum of GTIs [s]
date	2013-03-03T15:57:35	Date and time of file creation	ontime1	4381.8408470154	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4383.7519083619	Sum of GTIs [s]
			ontime3	4381.8408470154	Sum of GTIs [s]
			ontime6	4383.7108683586	Sum of GTIs [s]
			ontime7	4381.8408470154	Sum of GTIs [s]
			l1events	576588	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	95228	107178	99670	94920	98631	80961	grade 0 events	13445	12677	13687	14055	13936	7501
rejected events	68129	79845	72727	67263	69124	38495		14%	11%	13%	14%	14%	9%
rejected %	71%	74%	72%	70%	70%	47%	grade 1 events	79	64	78	84	68	57
								0%	0%	0%	0%	0%	0%
							grade 2 events	5393	6038	5101	5236	6010	10446
								5%	5%	5%	5%	6%	12%
							grade 3 events	1750	1701	1734	1817	1725	3384
								1%	1%	1%	1%	1%	4%
							grade 4 events	1620	1727	1781	1781	1773	3353
								1%	1%	1%	1%	1%	4%
							grade 5 events	1755	1757	1625	1846	1862	4433
								1%	1%	1%	1%	1%	5%
							grade 6 events	4891	5190	4640	4768	6063	17782
								5%	4%	4%	5%	6%	21%
							grade 7 events	66295	78024	71024	65333	67194	34005
								69%	72%	71%	68%	68%	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	176.0736411092875	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	2.507918160997623	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	69.71908073193688	[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)	478650121.212977	478650120.18798			
Observation start date	2013-03-02T22:22:01	2013-03-02T22:22:00			
[s] Observation end time (MET)	478656504.913323	478656503.88832			
Observation end date	2013-03-03T00:08:25	2013-03-03T00:08:23			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.03.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.3818408470154

A.2 Comments