

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 51864 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 29 2015

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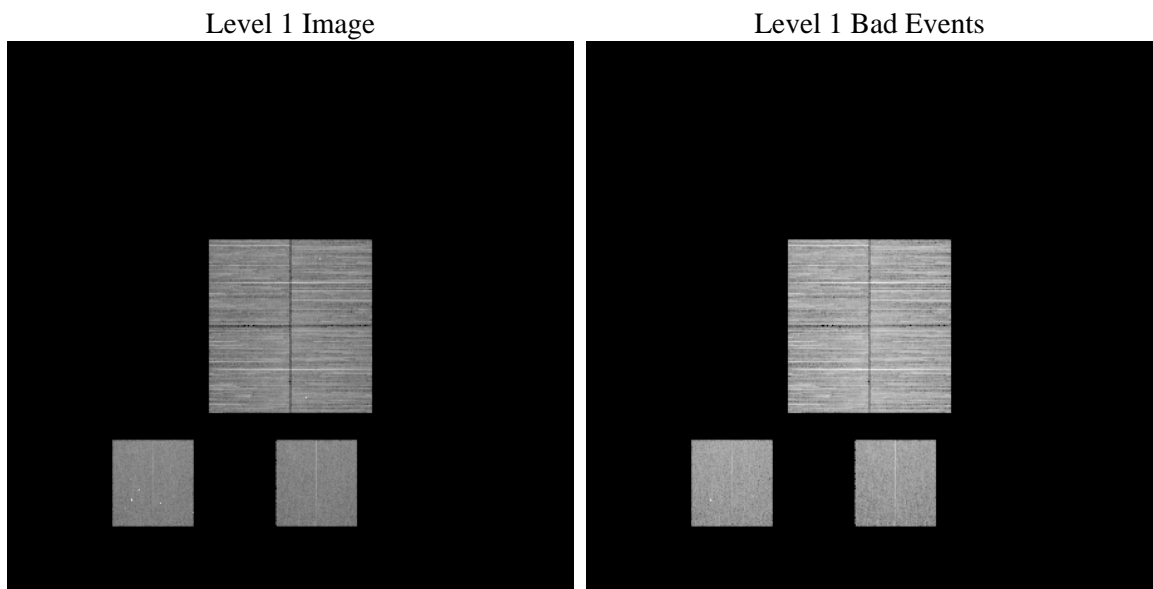
1 Front

seq_num	 	Sequence number
obs_id	51864	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	173.66438073767	Nominal RA [deg]
dec_nom	12.492998990509	Nominal Dec [deg]
roll_nom	260.60288539263	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7964.8001186848	Sum of GTIs [s]
livetime	7863.9450237551	Livetime [s]
ontime0	7961.5590878725	Sum of GTIs [s]
ontime1	7964.8001186848	Sum of GTIs [s]
ontime2	7964.8001186848	Sum of GTIs [s]
ontime3	7964.8001186848	Sum of GTIs [s]
ontime5	7964.8001186848	Sum of GTIs [s]
ontime7	7964.8001186848	Sum of GTIs [s]
l2events	171817	Number of level 2 events

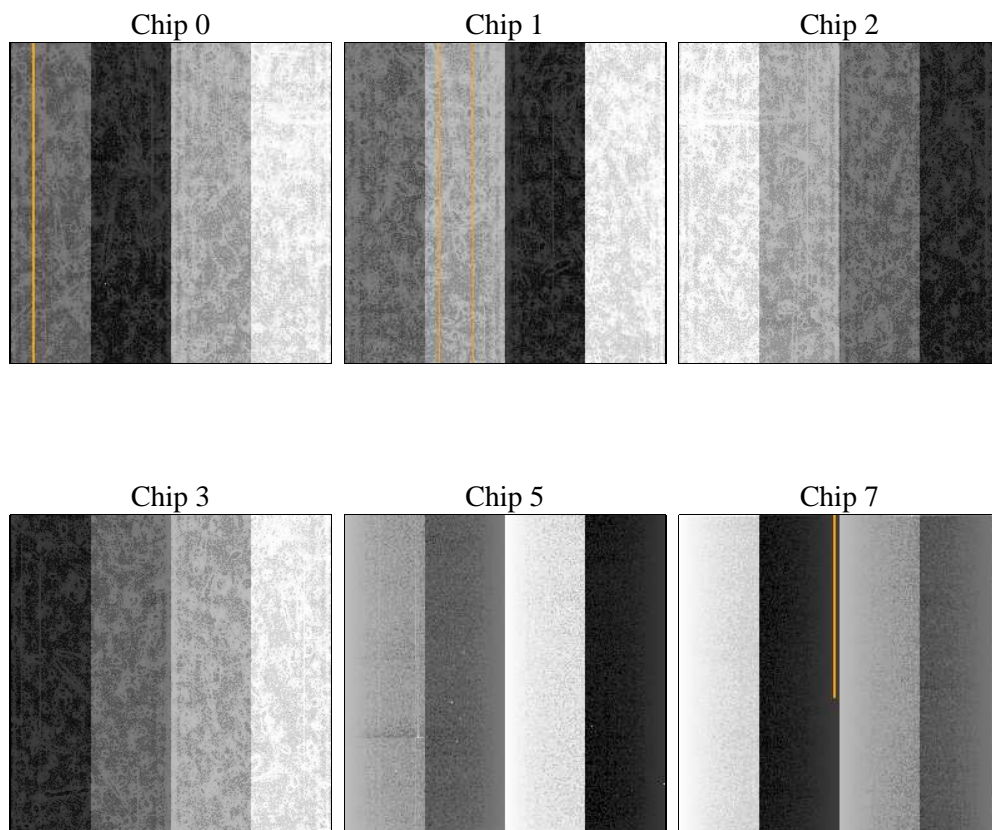
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	7964.8001186848	Sum of GTIs [s]
caldsver	4.6.7	 	ontime0	7961.5590878725	Sum of GTIs [s]
date	2015-05-29T13:56:21	Date and time of file creation	ontime1	7964.8001186848	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7964.8001186848	Sum of GTIs [s]
			ontime3	7964.8001186848	Sum of GTIs [s]
			ontime5	7964.8001186848	Sum of GTIs [s]
			ontime7	7964.8001186848	Sum of GTIs [s]
			l1events	877178	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	150286	153924	159921	166405	128034	118608	grade 0 events	10257	10062	10566	13328	6244	5240
rejected events	128923	131783	138926	142405	75669	72700		6%	6%	6%	8%	4%	4%
rejected %	85%	85%	86%	85%	59%	61%	grade 1 events	63	45	73	76	350	92
								0%	0%	0%	0%	0%	0%
							grade 2 events	5201	5915	4854	4772	18789	11863
								3%	3%	3%	2%	14%	10%
							grade 3 events	1537	1404	1524	1590	1470	3407
								1%	0%	0%	0%	1%	2%
							grade 4 events	1441	1406	1425	1597	1461	3323
								0%	0%	0%	0%	1%	2%
							grade 5 events	2642	2654	2571	3095	5462	6880
								1%	1%	1%	1%	4%	5%
							grade 6 events	3732	4266	3481	3628	26203	23723
								2%	2%	2%	2%	20%	20%
							grade 7 events	125413	128172	135427	138319	68055	64080
								83%	83%	84%	83%	53%	54%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	173.6643807376703
[deg] Pointing Dec	0	12.49299899050881
[deg] Pointing Roll	0.0	260.6028853926285
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	549248451.50517	549248451.50517
Observation start date	2015-05-29T01:00:52	2015-05-29T01:00:51
[s] Observation end time (MET)	549257999.687987	549257999.687987
Observation end date	2015-05-29T03:40:00	2015-05-29T03:39:59
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.9648001186848

A.2 Comments