

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 51875 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 22 2015

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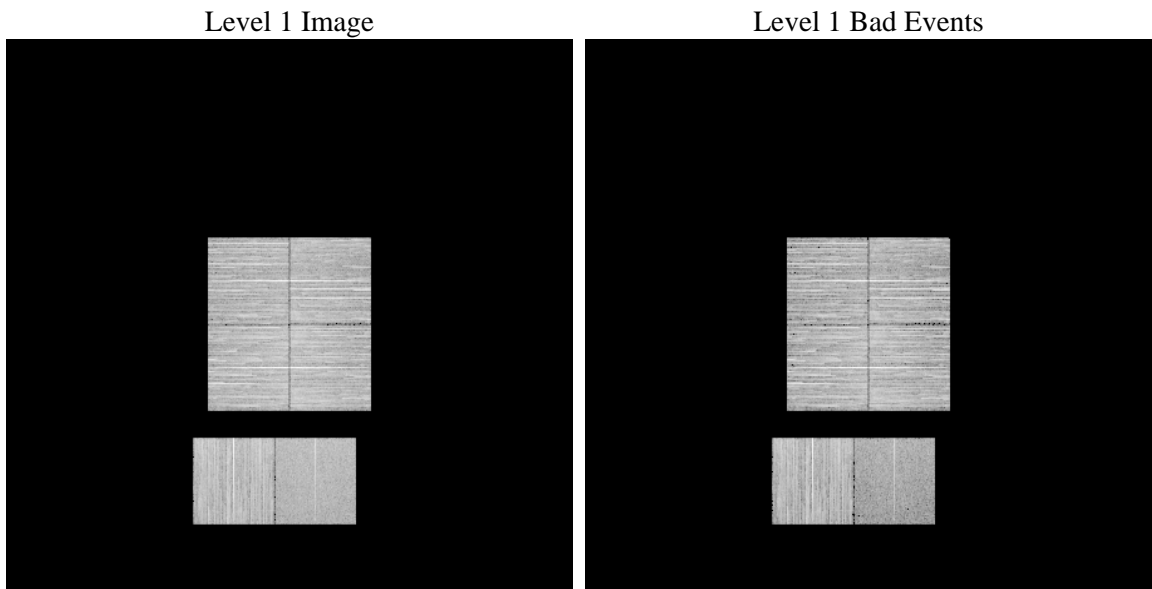
1 Front

seq_num	 	Sequence number
obs_id	51875	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	269.68885277609	Nominal RA [deg]
dec_nom	-32.372694898325	Nominal Dec [deg]
roll_nom	76.061422392898	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7858.3017764091	Sum of GTIs [s]
livetime	7758.795227615	Livetime [s]
ontime0	7858.2607363462	Sum of GTIs [s]
ontime1	7858.2196964025	Sum of GTIs [s]
ontime2	7858.1786563396	Sum of GTIs [s]
ontime3	7858.3428163528	Sum of GTIs [s]
ontime6	7858.137616396	Sum of GTIs [s]
ontime7	7858.3017764091	Sum of GTIs [s]
l2events	140646	Number of level 2 events

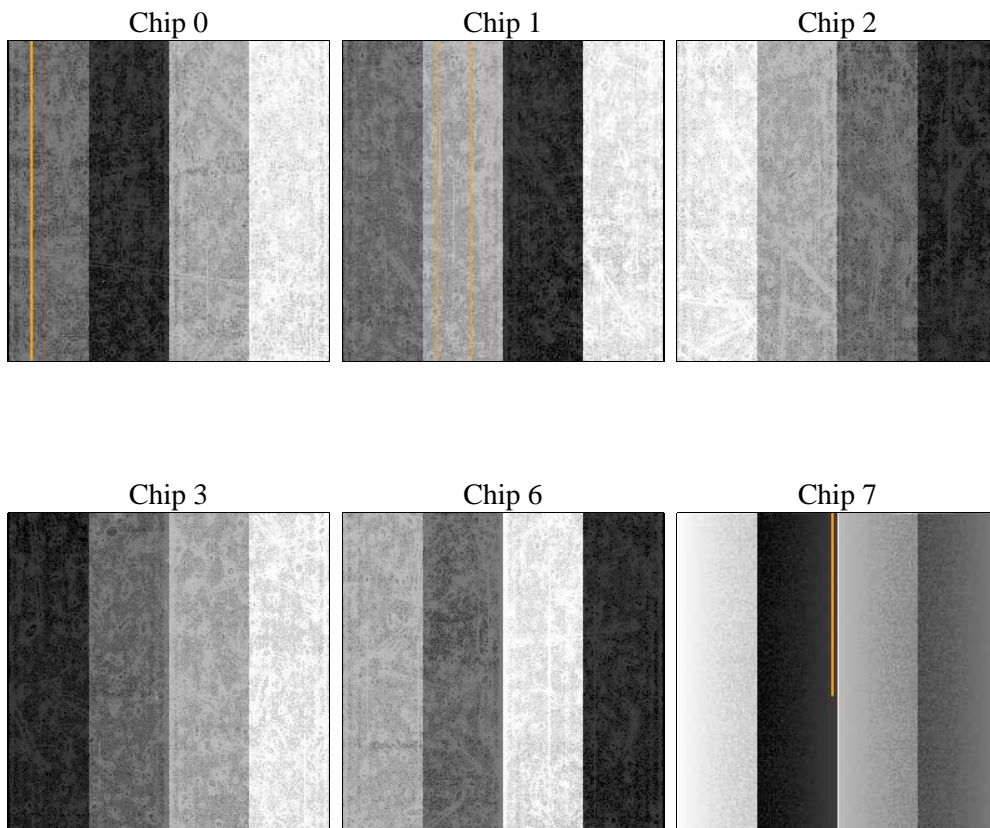
2 OBI

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	10.3.3	Processing system revision	ontime	7858.3017764091	Sum of GTIs [s]
caldsver	4.6.7	 	ontime0	7858.2607363462	Sum of GTIs [s]
date	2015-05-22T03:58:05	Date and time of file creation	ontime1	7858.2196964025	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7858.1786563396	Sum of GTIs [s]
			ontime3	7858.3428163528	Sum of GTIs [s]
			ontime6	7858.137616396	Sum of GTIs [s]
			ontime7	7858.3017764091	Sum of GTIs [s]
			l1events	771758	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	123586	126701	141262	137892	135776	106541	grade 0 events	10254	9778	10423	10344	10080	5504
rejected events	102585	105760	120457	117182	114378	61817		8%	7%	7%	7%	7%	5%
rejected %	83%	83%	85%	84%	84%	58%	grade 1 events	63	47	80	66	38	88
								0%	0%	0%	0%	0%	0%
							grade 2 events	4495	4677	4159	4157	4646	10885
								3%	3%	2%	3%	3%	10%
							grade 3 events	1471	1432	1501	1470	1459	3506
								1%	1%	1%	1%	1%	3%
							grade 4 events	1375	1471	1474	1487	1459	3457
								1%	1%	1%	1%	1%	3%
							grade 5 events	2563	2694	2355	2960	2695	6727
								2%	2%	1%	2%	1%	6%
							grade 6 events	3428	3597	3256	3271	3767	21399
								2%	2%	2%	2%	2%	20%
							grade 7 events	99937	103005	118014	114137	111632	54975
								80%	81%	83%	82%	82%	51%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	269.6888527760918
[deg] Pointing Dec	0	-32.37269489832507
[deg] Pointing Roll	0.0	76.06142239289844
[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)	548601645.718866	548601644.6938699
Observation start date	2015-05-21T13:20:46	2015-05-21T13:20:44
[s] Observation end time (MET)	548613195.419515	548613194.39451
Observation end date	2015-05-21T16:33:15	2015-05-21T16:33:14
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8583017764091

A.2 Comments