

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51150 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 26 2016

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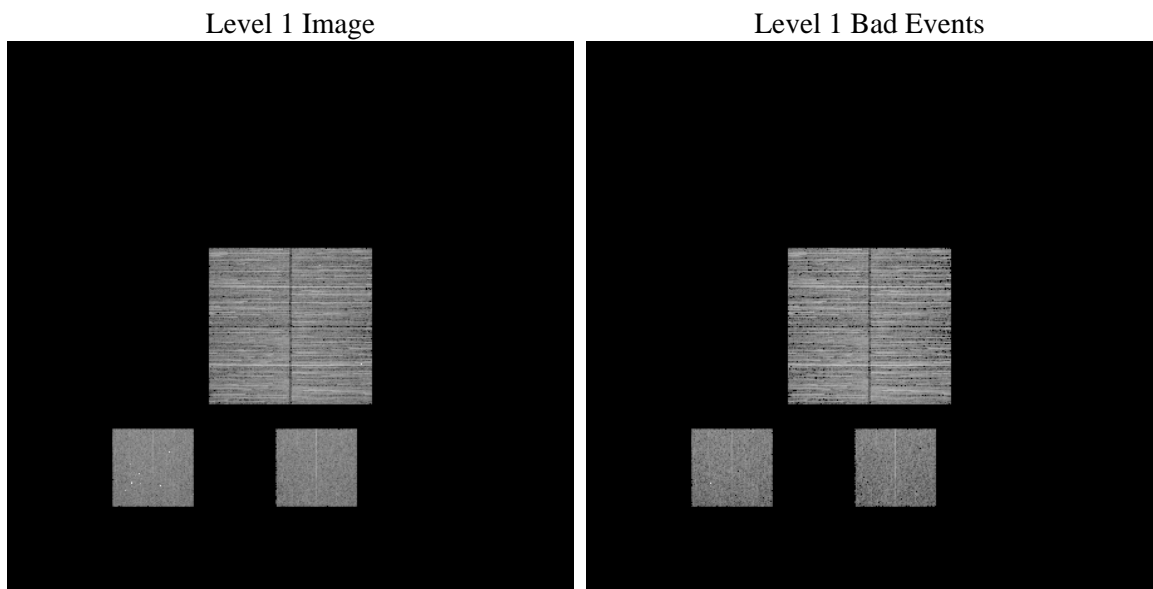
1 Front

seq_num	 	Sequence number
obs_id	51150	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	198.51115274581	Nominal RA [deg]
dec_nom	18.532421966886	Nominal Dec [deg]
roll_nom	146.61032856122	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3509.0756160021	Sum of GTIs [s]
livetime	3464.6415876406	Livetime [s]
ontime0	3385.8730595112	Sum of GTIs [s]
ontime1	3385.83195889	Sum of GTIs [s]
ontime2	3389.032029748	Sum of GTIs [s]
ontime3	3379.4729685783	Sum of GTIs [s]
ontime5	3508.9114559889	Sum of GTIs [s]
ontime7	3509.0756160021	Sum of GTIs [s]
l2events	76526	Number of level 2 events

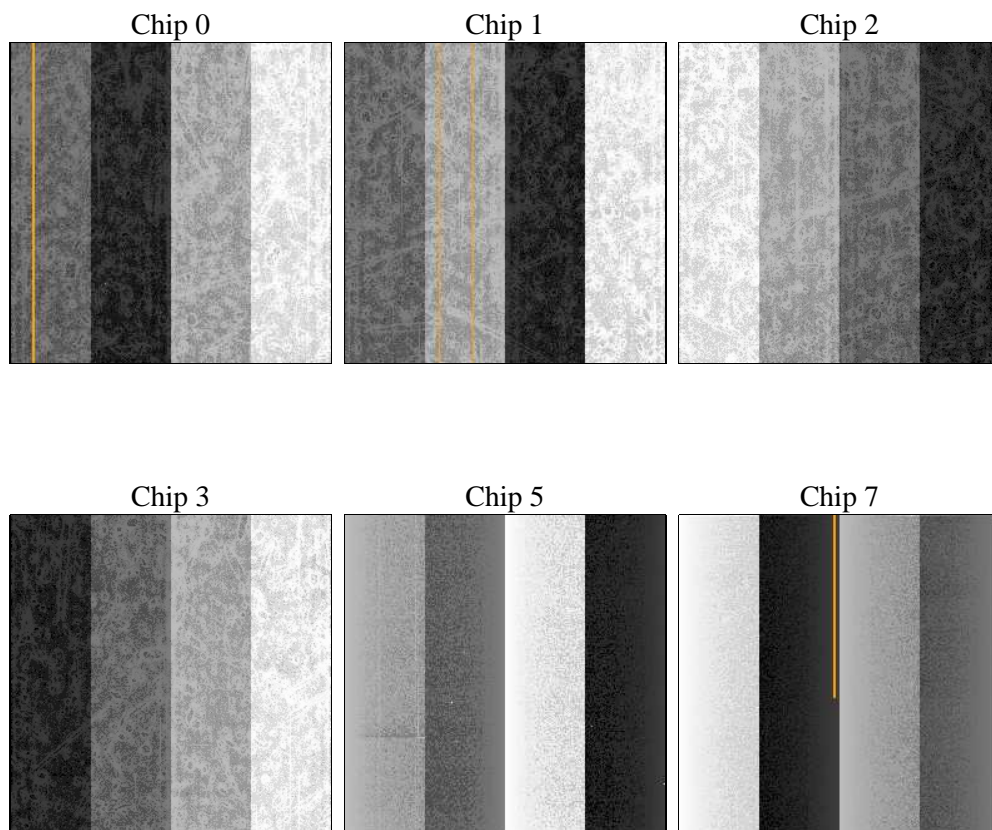
2 OBI

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	10.4.3.1	Processing system revision	ontime	3509.0756160021	Sum of GTIs [s]
caldbver	4.7.1	 	ontime0	3385.8730595112	Sum of GTIs [s]
date	2016-03-26T22:50:38	Date and time of file creation	ontime1	3385.83195889	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3389.032029748	Sum of GTIs [s]
			ontime3	3379.4729685783	Sum of GTIs [s]
			ontime5	3508.9114559889	Sum of GTIs [s]
			ontime7	3509.0756160021	Sum of GTIs [s]
			l1events	408509	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	71924	70356	72044	75619	63451	55115	grade 0 events	4085	4135	4360	5238	4703	2360
rejected events	62940	60840	63138	65589	36185	33754		5%	5%	6%	6%	7%	4%
rejected %	87%	86%	87%	86%	57%	61%	grade 1 events	38	18	26	32	83	46
								0%	0%	0%	0%	0%	0%
							grade 2 events	2040	2404	1920	1858	8943	5328
								2%	3%	2%	2%	14%	9%
							grade 3 events	656	582	613	658	717	1486
								0%	0%	0%	0%	1%	2%
							grade 4 events	609	611	592	635	636	1452
								0%	0%	0%	0%	1%	2%
							grade 5 events	1301	1215	1184	1426	2666	3304
								1%	1%	1%	1%	4%	5%
							grade 6 events	1594	1784	1421	1641	12267	10735
								2%	2%	1%	2%	19%	19%
							grade 7 events	61601	59607	61928	64131	33436	30404
								85%	84%	85%	84%	52%	55%

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	198.5111527458084
[deg] Pointing Dec	0	18.53242196688611
[deg] Pointing Roll	0.0	146.6103285612191
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	575343289.106149	575343288.0811501
Observation start date	2016-03-26T01:34:49	2016-03-26T01:34:48
[s] Observation end time (MET)	575347860.606411	575347859.5814101
Observation end date	2016-03-26T02:51:01	2016-03-26T02:50:59
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.5090756160021

A.2 Comments