

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51453 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 3 2015

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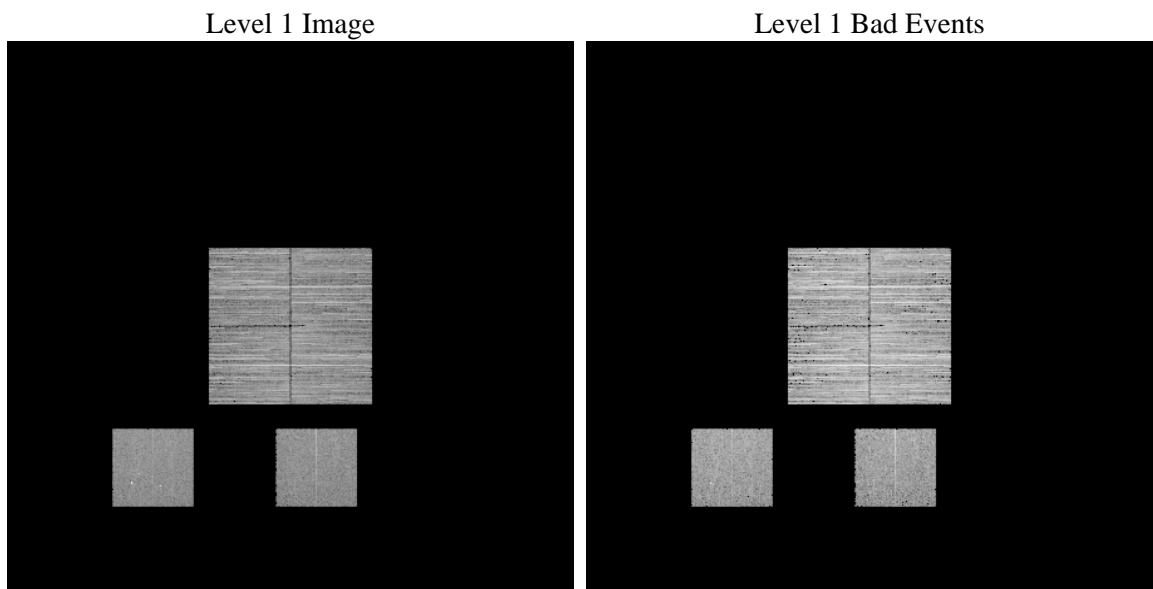
1 Front

seq_num	 	Sequence number
obs_id	51453	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	96.191317752328	Nominal RA [deg]
dec_nom	21.01574237633	Nominal Dec [deg]
roll_nom	82.650503445993	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4043.9407354593	Sum of GTIs [s]
livetime	3992.7339228982	Livetime [s]
ontime0	4043.8996953964	Sum of GTIs [s]
ontime1	4043.8586554527	Sum of GTIs [s]
ontime2	4043.8176153898	Sum of GTIs [s]
ontime3	4043.981775403	Sum of GTIs [s]
ontime5	4043.7765754461	Sum of GTIs [s]
ontime7	4043.9407354593	Sum of GTIs [s]
l2events	91385	Number of level 2 events

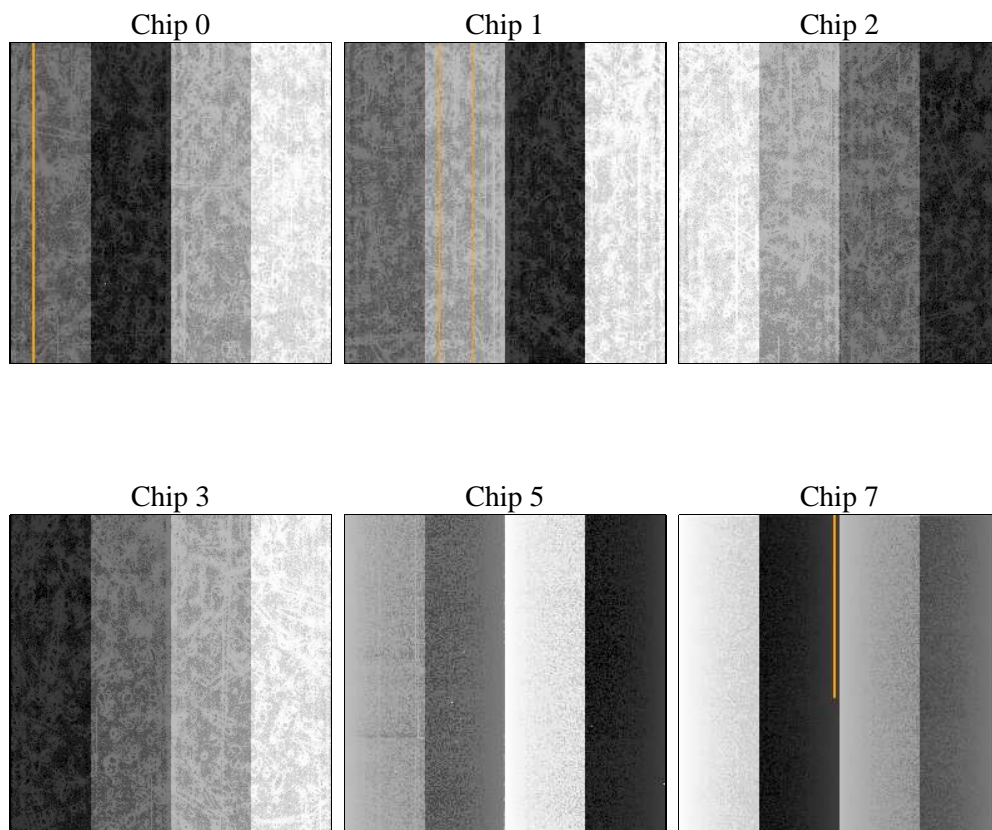
2 OBI

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	10.4.2.1	Processing system revision	ontime	4043.9407354593	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	4043.8996953964	Sum of GTIs [s]
date	2015-12-03T17:20:43	Date and time of file creation	ontime1	4043.8586554527	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4043.8176153898	Sum of GTIs [s]
			ontime3	4043.981775403	Sum of GTIs [s]
			ontime5	4043.7765754461	Sum of GTIs [s]
			ontime7	4043.9407354593	Sum of GTIs [s]
			l1events	468532	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	82928	78442	89313	87410	67260	63179
rejected events	72021	67336	78135	76187	39173	38325
rejected %	86%	85%	87%	87%	58%	60%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
grade 0 events	4853	4587	5488	5409	2385	2717
	5%	5%	6%	6%	3%	4%
grade 1 events	25	22	26	44	99	56
	0%	0%	0%	0%	0%	0%
grade 2 events	2615	3034	2379	2422	10206	6403
	3%	3%	2%	2%	15%	10%
grade 3 events	767	682	727	752	776	1759
	0%	0%	0%	0%	1%	2%
grade 4 events	705	656	746	747	721	1644
	0%	0%	0%	0%	1%	2%
grade 5 events	1473	1377	1379	1674	2961	3867
	1%	1%	1%	1%	4%	6%
grade 6 events	1967	2147	1838	1893	13999	12331
	2%	2%	2%	2%	20%	19%
grade 7 events	70523	65937	76730	74469	36113	34402
	85%	84%	85%	85%	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	96.19131775232781
[deg] Pointing Dec	0	21.01574237632979
[deg] Pointing Roll	0.0	82.65050344599324
[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)	565514629.211784	565514628.18678
Observation start date	2015-12-03T07:23:49	2015-12-03T07:23:48
[s] Observation end time (MET)	565526863.6124769	565526862.5874799
Observation end date	2015-12-03T10:47:44	2015-12-03T10:47:42
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	Doug Morgan
V&V Date (YYYY-MM-DD)	2015.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.0439407354593

A.2 Comments