

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51602 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 1 2015

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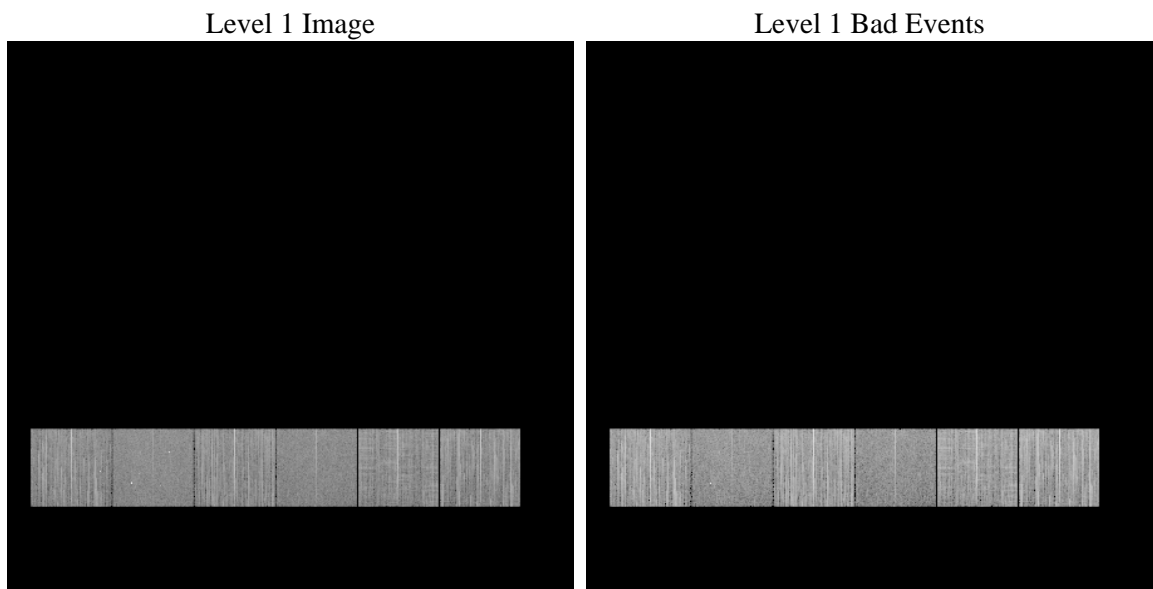
1 Front

seq_num	 	Sequence number
obs_id	51602	Observation id
title	ACIS-456789 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	17.073924429151	Nominal RA [deg]
dec_nom	-19.189971868983	Nominal Dec [deg]
roll_nom	26.245954748991	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6291.1808801889	Sum of GTIs [s]
livetime	6211.5181597897	Livetime [s]
ontime4	6291.0577601194	Sum of GTIs [s]
ontime5	6291.139840126	Sum of GTIs [s]
ontime6	6291.0988001823	Sum of GTIs [s]
ontime7	6291.1808801889	Sum of GTIs [s]
ontime8	6291.0167201757	Sum of GTIs [s]
ontime9	6291.2000937462	Sum of GTIs [s]
l2events	138817	Number of level 2 events

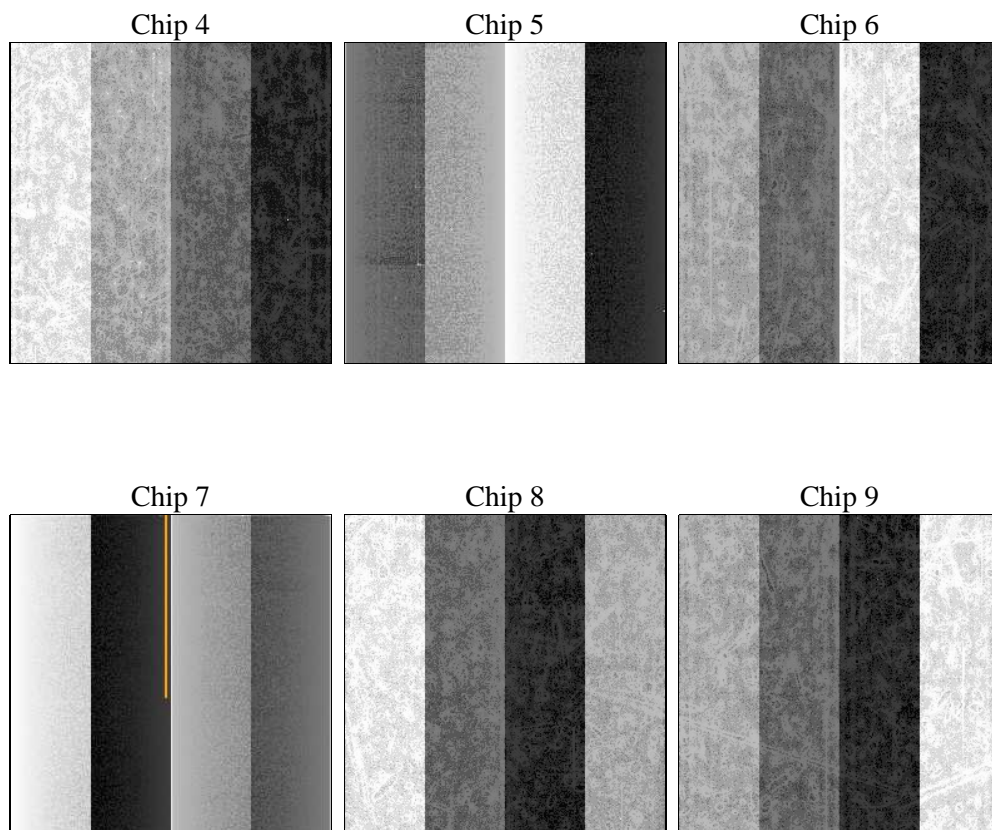
2 OBI

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	6291.1808801889	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime4	6291.0577601194	Sum of GTIs [s]
date	2015-10-01T15:49:14	Date and time of file creation	ontime5	6291.139840126	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	6291.0988001823	Sum of GTIs [s]
			ontime7	6291.1808801889	Sum of GTIs [s]
			ontime8	6291.0167201757	Sum of GTIs [s]
			ontime9	6291.2000937462	Sum of GTIs [s]
			l1events	699748	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	120787	104174	126058	94705	122616	131408	grade 0 events	8898	4142	8110	4471	10024	8074
rejected events	103953	61121	108794	56779	98491	114755		7%	3%	6%	4%	8%	6%
rejected %	86%	58%	86%	59%	80%	87%	grade 1 events	74	103	39	77	64	65
								0%	0%	0%	0%	0%	0%
							grade 2 events	3378	15971	3809	9473	5229	3525
								2%	15%	3%	10%	4%	2%
							grade 3 events	1248	1338	1201	2950	2092	1176
								1%	1%	0%	3%	1%	0%
							grade 4 events	1249	1382	1192	3005	2079	1143
								1%	1%	0%	3%	1%	0%
							grade 5 events	2675	5143	2438	6164	3487	2733
								2%	4%	1%	6%	2%	2%
							grade 6 events	2349	21004	3293	18700	5181	3028
								1%	20%	2%	19%	4%	2%
							grade 7 events	100916	55091	105976	49865	94460	111664
								83%	52%	84%	52%	77%	84%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	17.07392442915142
[deg] Pointing Dec	0	-19.189971868983
[deg] Pointing Roll	0.0	26.24595474899053
SIM focus pos (mm)	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	559991028.94917	559991028.94917
Observation start date	2015-09-30T09:03:49	2015-09-30T09:03:48
[s] Observation end time (MET)	559998711.508695	559998711.508695
Observation end date	2015-09-30T11:11:52	2015-09-30T11:11:51
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.2911808801889

A.2 Comments