

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51478 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 25 2015

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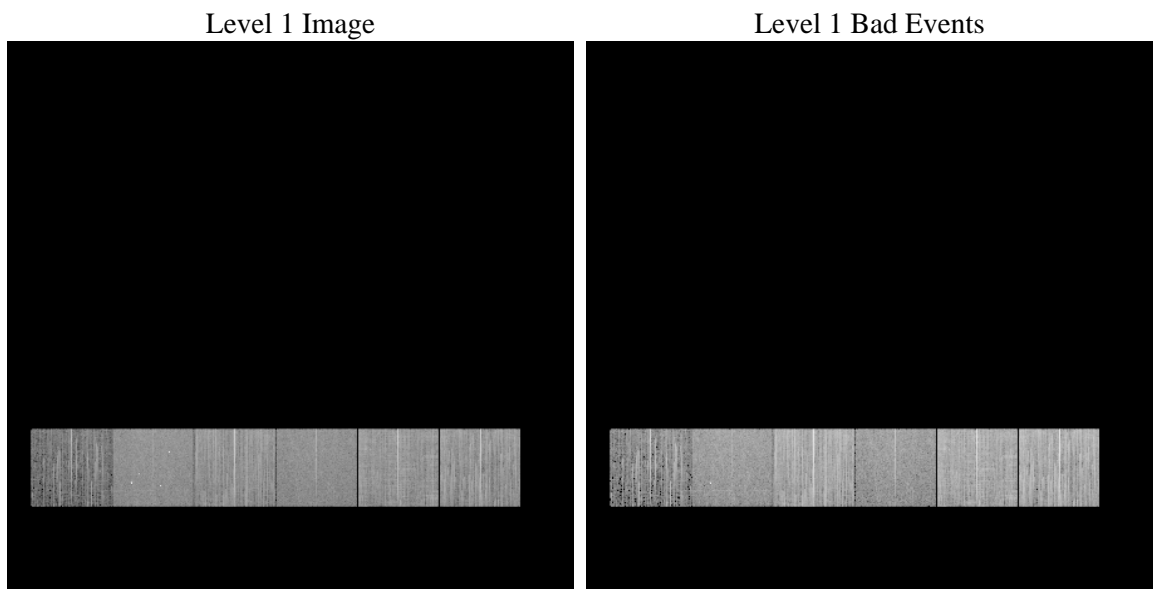
1 Front

seq_num	 	Sequence number
obs_id	51478	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	87.011848258614	Nominal RA [deg]
dec_nom	6.5239558967969	Nominal Dec [deg]
roll_nom	59.13956468195	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7405.1722296476	Sum of GTIs [s]
livetime	7311.4034800164	Livetime [s]
ontime4	3449.2739694118	Sum of GTIs [s]
ontime5	7405.1722494364	Sum of GTIs [s]
ontime6	7405.1722296476	Sum of GTIs [s]
ontime7	7405.1722296476	Sum of GTIs [s]
ontime8	7405.1722494364	Sum of GTIs [s]
ontime9	7405.1722494364	Sum of GTIs [s]
l2events	156398	Number of level 2 events

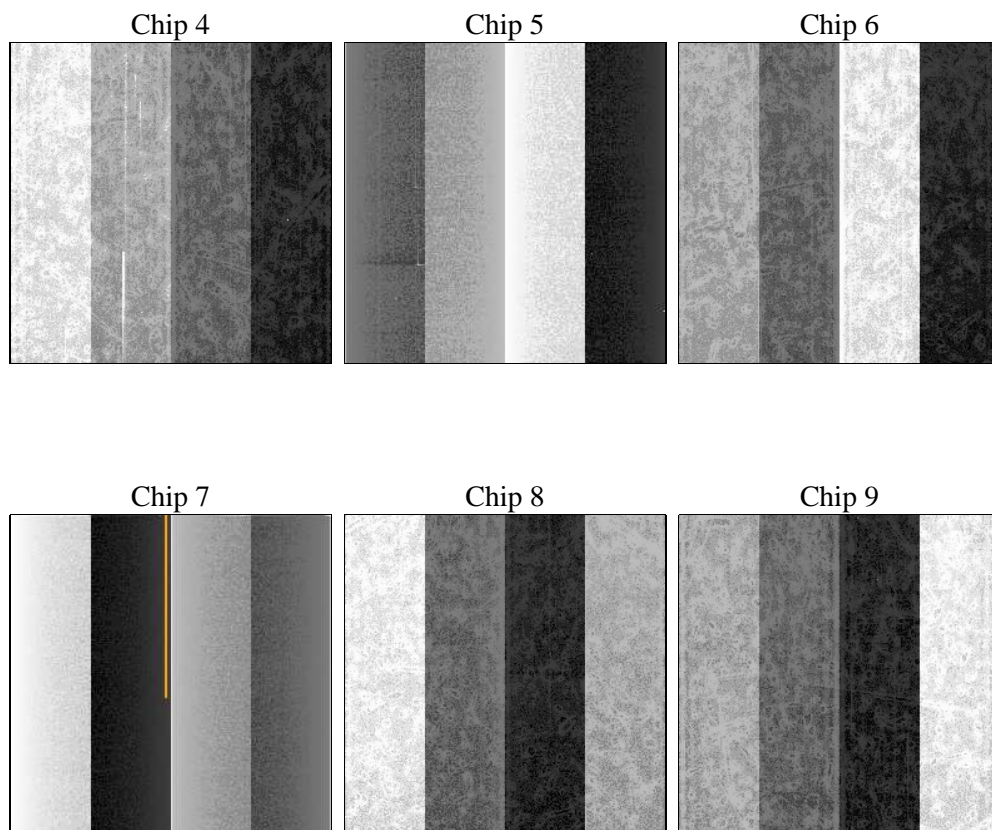
2 OBI

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	7405.1722296476	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime4	3449.2739694118	Sum of GTIs [s]
date	2015-11-25T05:47:37	Date and time of file creation	ontime5	7405.1722494364	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7405.1722296476	Sum of GTIs [s]
			ontime7	7405.1722296476	Sum of GTIs [s]
			ontime8	7405.1722494364	Sum of GTIs [s]
			ontime9	7405.1722494364	Sum of GTIs [s]
			l1events	773946	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	62225	129746	149017	115968	159340	157650	grade 0 events	4447	5937	9210	5276	12200	9070
rejected events	53168	75885	129429	70423	129253	138457		7%	4%	6%	4%	7%	5%
rejected %	85%	58%	86%	60%	81%	87%	grade 1 events	35	134	53	103	80	52
								0%	0%	0%	0%	0%	0%
							grade 2 events	1915	19636	4342	11508	6678	4171
								3%	15%	2%	9%	4%	2%
							grade 3 events	696	1631	1409	3611	2710	1422
								1%	1%	0%	3%	1%	0%
							grade 4 events	692	1664	1297	3476	2532	1351
								1%	1%	0%	2%	1%	0%
							grade 5 events	1400	6223	3138	7689	4119	3437
								2%	4%	2%	6%	2%	2%
							grade 6 events	1307	26035	3712	22576	6535	3546
								2%	20%	2%	19%	4%	2%
							grade 7 events	51733	68486	125856	61729	124486	134601
								83%	52%	84%	53%	78%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	87.0118482586136	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	6.523955896796854	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	59.13956468194976	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	564784788.170447	564784787.14545			
Observation start date	2015-11-24T20:39:48	2015-11-24T20:39:47			
[s] Observation end time (MET)	564794103.370975	564794102.34598			
Observation end date	2015-11-24T23:15:03	2015-11-24T23:15:02			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2015.11.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4051722296476

A.2 Comments