

V&V Reference Report

L2 ASCDS Version : 10.2.2

Observation 52785 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 8 2014

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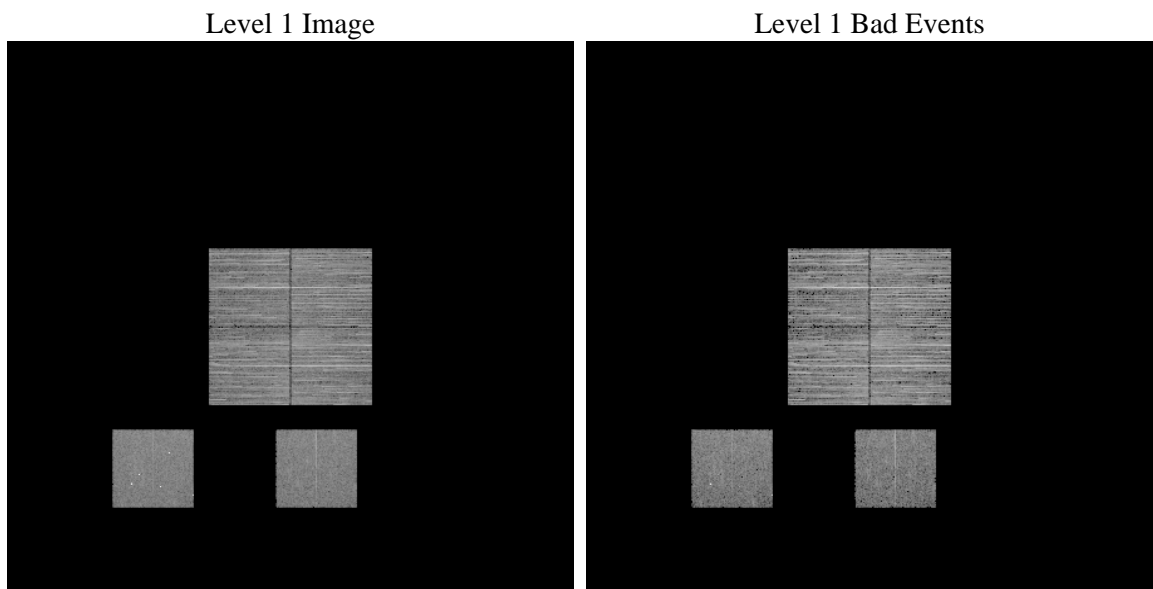
1 Front

seq_num	 	Sequence number
obs_id	52785	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	51.96994186924	Nominal RA [deg]
dec_nom	-32.01861299189	Nominal Dec [deg]
roll_nom	188.81908538499	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4866.8644134998	Sum of GTIs [s]
livetime	4805.2372458222	Livetime [s]
ontime0	4866.8233734965	Sum of GTIs [s]
ontime1	4866.7823334932	Sum of GTIs [s]
ontime2	4866.7412934899	Sum of GTIs [s]
ontime3	4866.9054535031	Sum of GTIs [s]
ontime5	4866.7002534866	Sum of GTIs [s]
ontime7	4866.8644134998	Sum of GTIs [s]
l2events	119389	Number of level 2 events

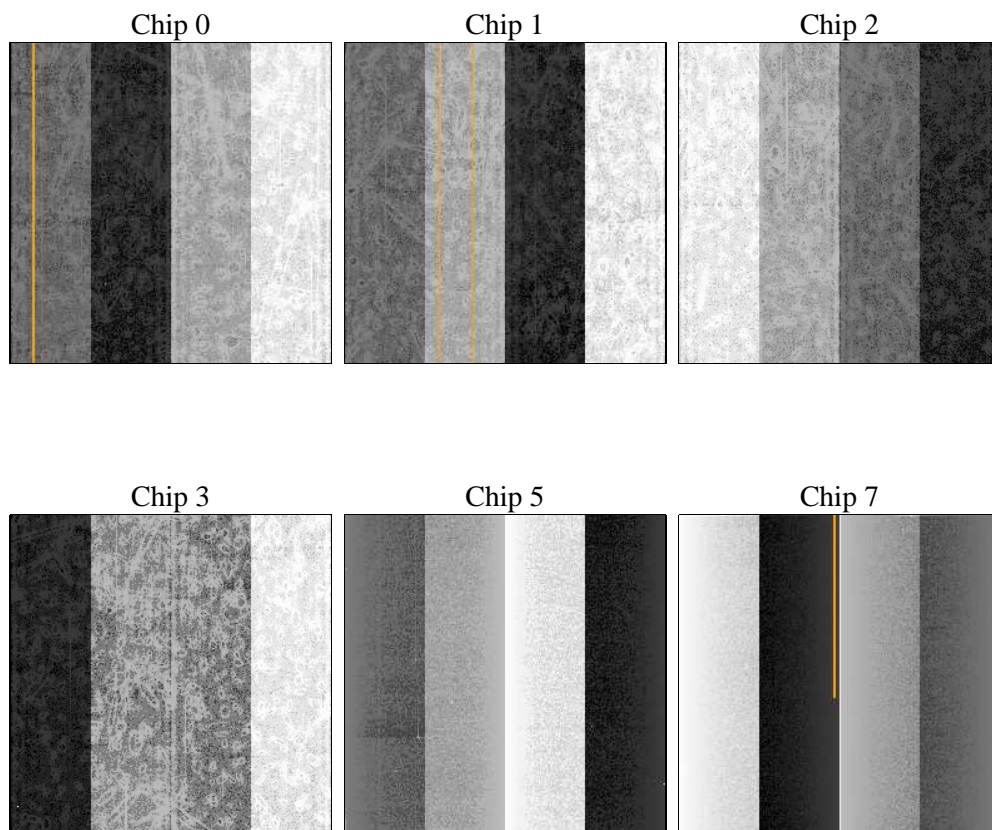
2 OBI

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	10.2.2	Processing system revision	ontime	4866.8644134998	Sum of GTIs [s]
caldsver	4.6.1	 	ontime0	4866.8233734965	Sum of GTIs [s]
date	2014-05-08T23:39:58	Date and time of file creation	ontime1	4866.7823334932	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4866.7412934899	Sum of GTIs [s]
			ontime3	4866.9054535031	Sum of GTIs [s]
			ontime5	4866.7002534866	Sum of GTIs [s]
			ontime7	4866.8644134998	Sum of GTIs [s]
			l1events	494813	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	79278	88237	84948	92214	80260	69876	grade 0 events	7937	7813	7981	8403	7681	4295
rejected events	63624	72434	69390	76314	42879	39520		10%	8%	9%	9%	9%	6%
rejected %	80%	82%	81%	82%	53%	56%	grade 1 events	53	38	50	48	363	36
								0%	0%	0%	0%	0%	0%
							grade 2 events	3230	3391	3215	3059	12485	7498
								4%	3%	3%	3%	15%	10%
							grade 3 events	1058	1099	1093	1130	1164	2470
								1%	1%	1%	1%	1%	3%
							grade 4 events	1102	1069	1058	1089	1104	2464
								1%	1%	1%	1%	1%	3%
							grade 5 events	1676	1606	1507	1814	3621	4310
								2%	1%	1%	1%	4%	6%
							grade 6 events	2616	2716	2500	2519	15627	14167
								3%	3%	2%	2%	19%	20%
							grade 7 events	61606	70505	67544	74152	38215	34636
								77%	79%	79%	80%	47%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	51.96994186923975	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-32.01861299189033	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	188.8190853849913	[s] Primary exposure time	3.2	3.2
[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)	515923573.79995	515923572.77495			
Observation start date	2014-05-08T08:06:14	2014-05-08T08:06:12			
[s] Observation end time (MET)	515931574.950391	515931573.92539			
Observation end date	2014-05-08T10:19:35	2014-05-08T10:19:33			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8668644134998

A.2 Comments