

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 51902 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 8 2015

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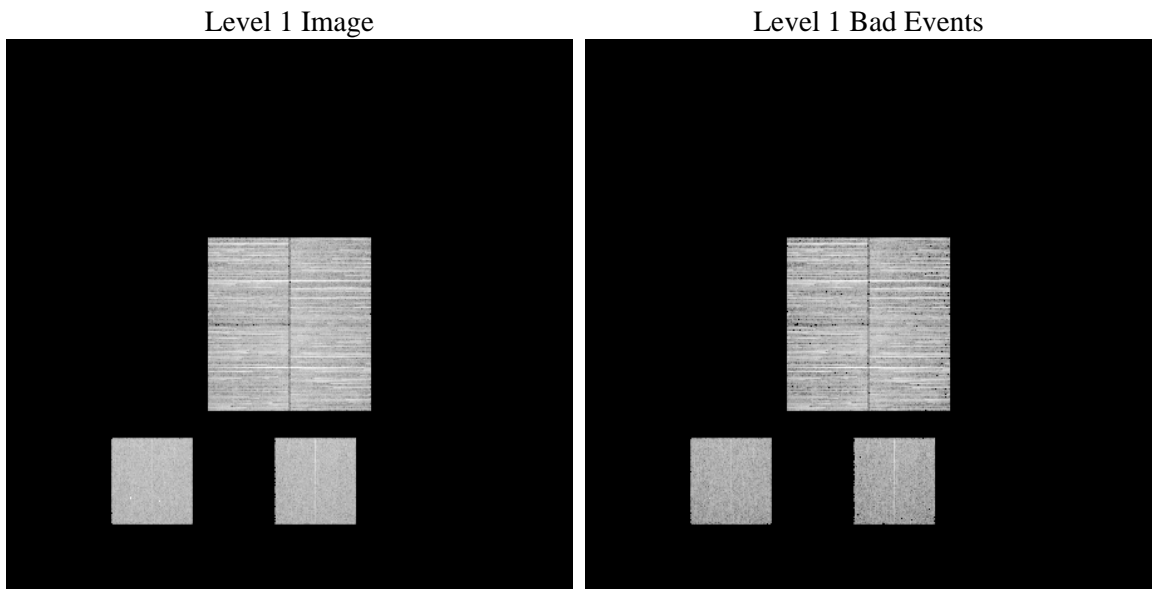
1 Front

seq_num	 	Sequence number
obs_id	51902	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	201.42686401811	Nominal RA [deg]
dec_nom	-28.016598195302	Nominal Dec [deg]
roll_nom	292.24251469976	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5717.0514341593	Sum of GTIs [s]
livetime	5644.6586865049	Livetime [s]
ontime0	5717.0103940964	Sum of GTIs [s]
ontime1	5716.9693541527	Sum of GTIs [s]
ontime2	5716.9283140898	Sum of GTIs [s]
ontime3	5717.092474103	Sum of GTIs [s]
ontime5	5716.8872741461	Sum of GTIs [s]
ontime7	5717.0514341593	Sum of GTIs [s]
l2events	118323	Number of level 2 events

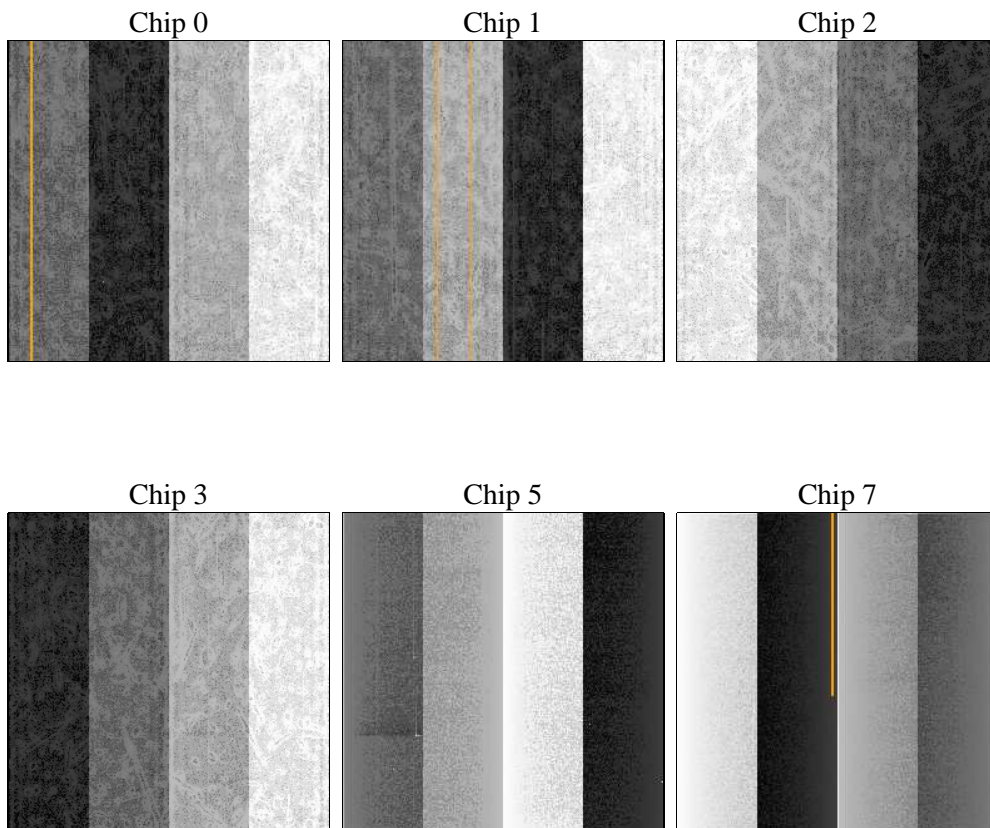
2 OBI

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	10.3.3	Processing system revision	ontime	5717.0514341593	Sum of GTIs [s]
caldsver	4.6.7	 	ontime0	5717.0103940964	Sum of GTIs [s]
date	2015-05-08T17:51:44	Date and time of file creation	ontime1	5716.9693541527	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5716.9283140898	Sum of GTIs [s]
			ontime3	5717.092474103	Sum of GTIs [s]
			ontime5	5716.8872741461	Sum of GTIs [s]
			ontime7	5717.0514341593	Sum of GTIs [s]
			l1events	515798	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	90379	86681	91135	95953	78663	72987	grade 0 events	7268	7020	7532	7462	2885	3947
rejected events	75533	71596	76233	81038	45130	41763		8%	8%	8%	7%	3%	5%
rejected %	83%	82%	83%	84%	57%	57%	grade 1 events	35	30	47	51	103	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	3143	3333	3015	2926	12189	7723
								3%	3%	3%	3%	15%	10%
							grade 3 events	1009	1034	1040	1022	1124	2459
								1%	1%	1%	1%	1%	3%
							grade 4 events	1035	1059	1051	1065	1030	2408
								1%	1%	1%	1%	1%	3%
							grade 5 events	1833	1844	1749	1962	3638	4668
								2%	2%	1%	2%	4%	6%
							grade 6 events	2391	2639	2264	2440	16305	14687
								2%	3%	2%	2%	20%	20%
							grade 7 events	73665	69722	74437	79025	41389	37054
								81%	80%	81%	82%	52%	50%

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	201.4268640181121	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-28.01659819530212	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	292.242514699756	[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)	547460904.704878	547460903.67988			
Observation start date	2015-05-08T08:28:25	2015-05-08T08:28:23			
[s] Observation end time (MET)	547468344.155295	547468343.13029			
Observation end date	2015-05-08T10:32:24	2015-05-08T10:32:23			
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)	2015.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.7170514341593

A.2 Comments