

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54141 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 25 2012

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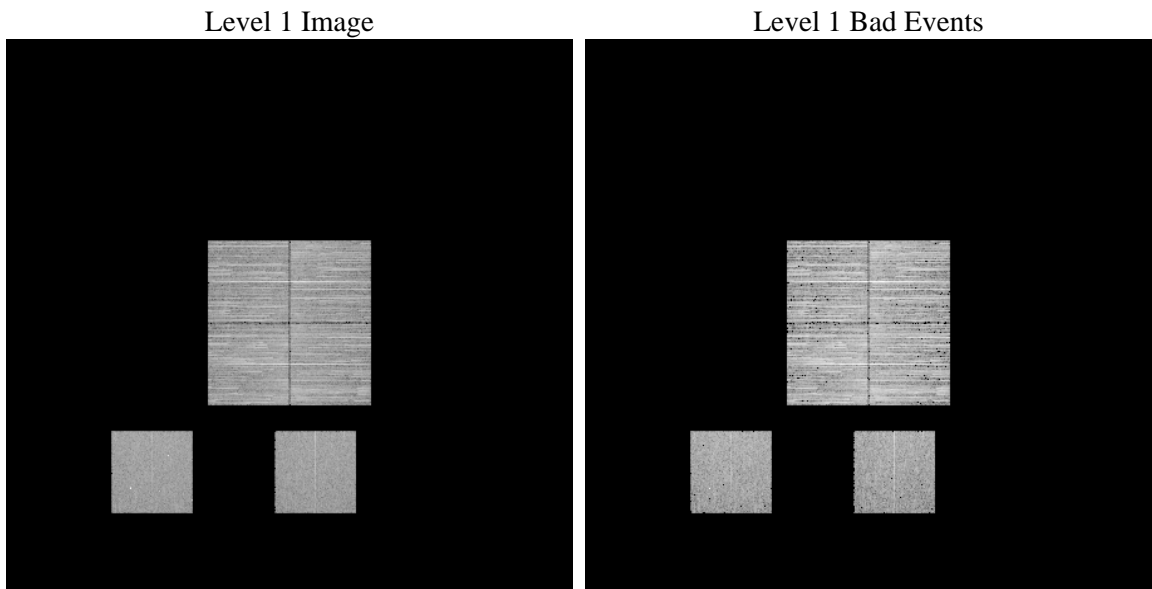
1 Front

seq_num	 	Sequence number
obs_id	54141	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	86.976388332966	Nominal RA [deg]
dec_nom	19.732178900742	Nominal Dec [deg]
roll_nom	82.944370046836	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4783.6948049664	Sum of GTIs [s]
livetime	4723.1207809508	Livetime [s]
ontime0	4783.6537649632	Sum of GTIs [s]
ontime1	4783.6127249599	Sum of GTIs [s]
ontime2	4783.5716849566	Sum of GTIs [s]
ontime3	4783.7358449697	Sum of GTIs [s]
ontime5	4783.5306449533	Sum of GTIs [s]
ontime7	4783.6948049664	Sum of GTIs [s]
l2events	146156	Number of level 2 events

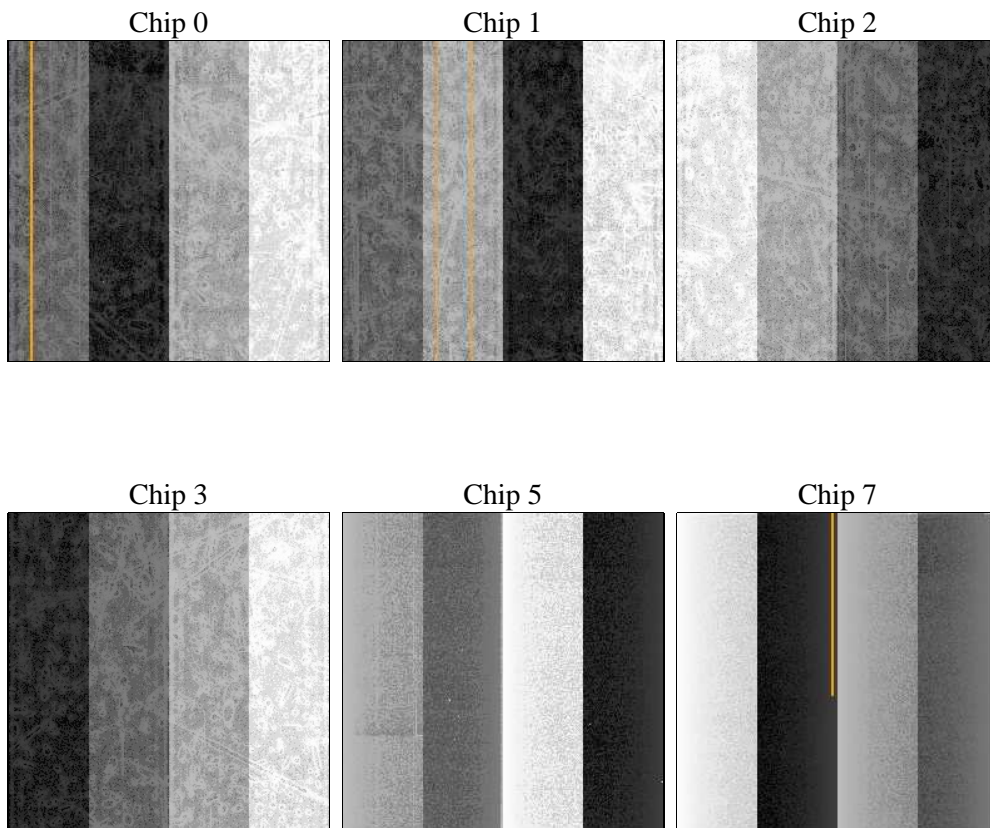
2 OBI

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	8.4.5	Processing system revision	ontime	4783.6948049664	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	4783.6537649632	Sum of GTIs [s]
date	2012-11-25T20:56:00	Date and time of file creation	ontime1	4783.6127249599	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4783.5716849566	Sum of GTIs [s]
			ontime3	4783.7358449697	Sum of GTIs [s]
			ontime5	4783.5306449533	Sum of GTIs [s]
			ontime7	4783.6948049664	Sum of GTIs [s]
			l1events	506528	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	85948	87526	92115	91096	76388	73455	grade 0 events	10468	10056	10930	10916	3876	5293
rejected events	65315	66937	71447	70418	40299	38234		12%	11%	11%	11%	5%	7%
rejected %	75%	76%	77%	77%	52%	52%	grade 1 events	59	43	71	54	96	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	4118	4495	3954	3822	13830	8759
								4%	5%	4%	4%	18%	11%
							grade 3 events	1398	1312	1368	1414	1201	2843
								1%	1%	1%	1%	1%	3%
							grade 4 events	1375	1363	1406	1413	1091	2827
								1%	1%	1%	1%	1%	3%
							grade 5 events	1568	1620	1525	1759	3284	4177
								1%	1%	1%	1%	4%	5%
							grade 6 events	3274	3363	3010	3113	16091	15499
								3%	3%	3%	3%	21%	21%
							grade 7 events	63688	65274	69851	68605	36919	34013
								74%	74%	75%	75%	48%	46%

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	86.9763883329662	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	19.73217890074193	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	82.94437004683647	[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)	470220531.008379	470220529.98338			
Observation start date	2012-11-25T08:48:51	2012-11-25T08:48:49			
[s] Observation end time (MET)	470227740.858766	470227739.83377			
Observation end date	2012-11-25T10:49:01	2012-11-25T10:48:59			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.11.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.7836948049664

A.2 Comments