

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53725 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 3 2013

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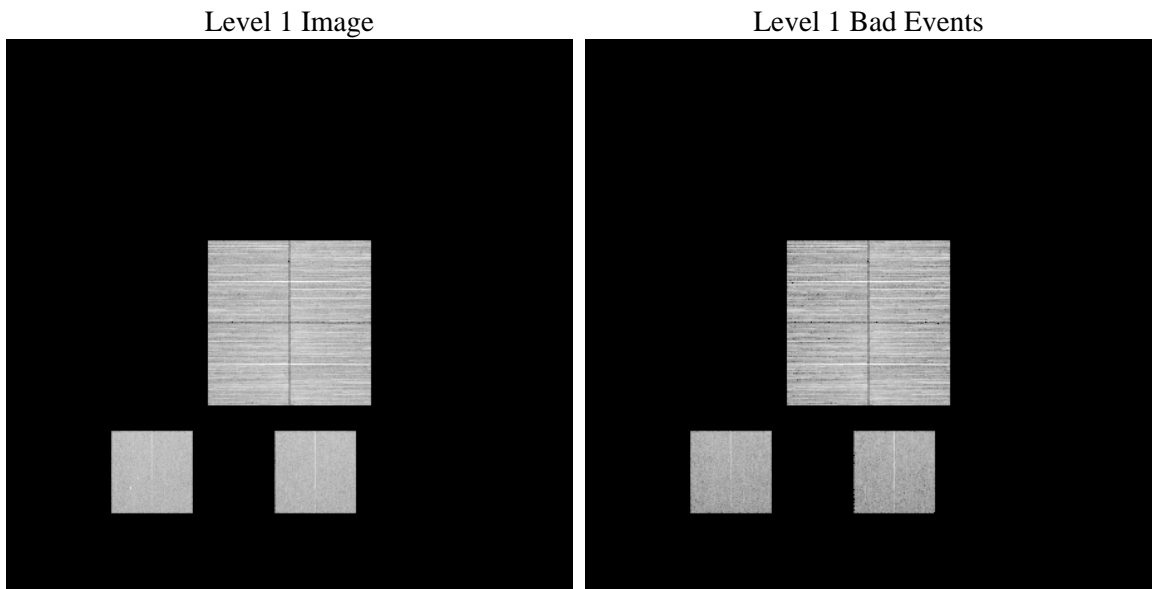
1 Front

seq_num	 	Sequence number
obs_id	53725	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	189.01547421304	Nominal RA [deg]
dec_nom	-15.02853915139	Nominal Dec [deg]
roll_nom	264.72347591129	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8284.661845088	Sum of GTIs [s]
livetime	8179.756468381	Livetime [s]
ontime0	8167.9433638453	Sum of GTIs [s]
ontime1	8171.1432996988	Sum of GTIs [s]
ontime2	8174.3433001041	Sum of GTIs [s]
ontime3	8177.7484997511	Sum of GTIs [s]
ontime5	8284.4976850748	Sum of GTIs [s]
ontime7	8284.661845088	Sum of GTIs [s]
l2events	250395	Number of level 2 events

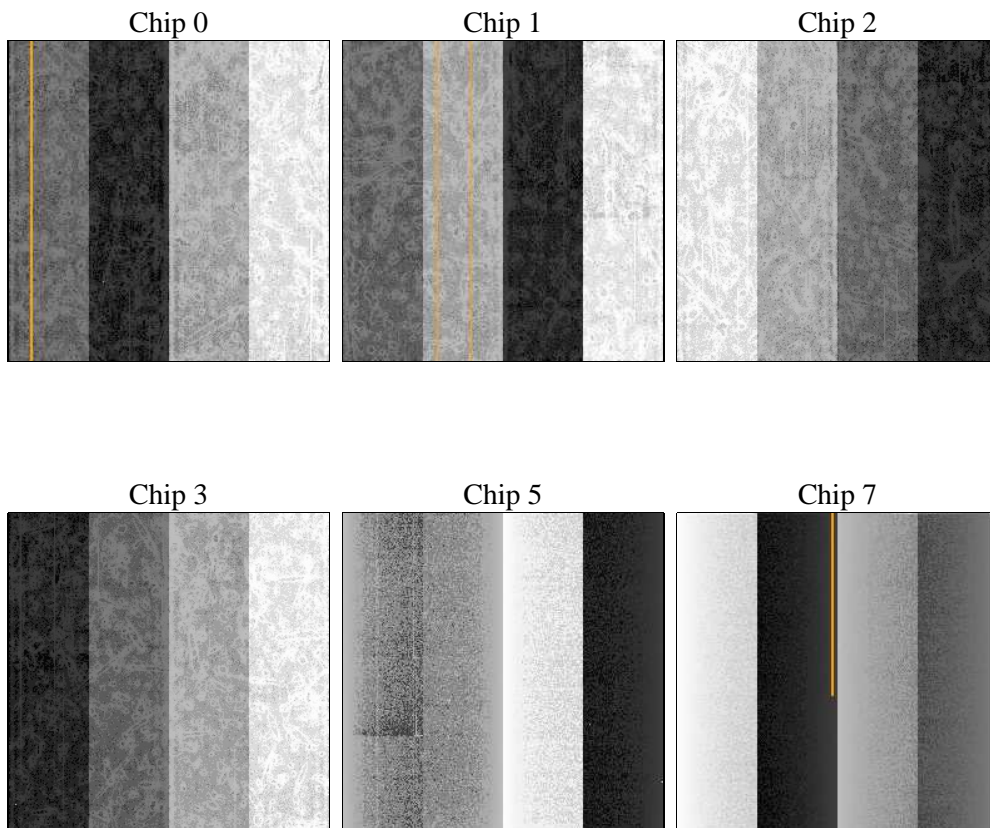
2 OBI

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	8.5.1.1	Processing system revision	ontime	8284.661845088	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8167.9433638453	Sum of GTIs [s]
date	2013-05-03T20:48:33	Date and time of file creation	ontime1	8171.1432996988	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8174.3433001041	Sum of GTIs [s]
			ontime3	8177.7484997511	Sum of GTIs [s]
			ontime5	8284.4976850748	Sum of GTIs [s]
			ontime7	8284.661845088	Sum of GTIs [s]
			l1events	933078	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	154142	169810	164785	170255	139827	134259	grade 0 events	17309	16840	17695	17859	6242	9173
rejected events	120222	135626	130777	136229	75551	71757		11%	9%	10%	10%	4%	6%
rejected %	77%	79%	79%	80%	54%	53%	grade 1 events	94	76	102	92	142	92
								0%	0%	0%	0%	0%	0%
							grade 2 events	6585	7156	6523	6321	23981	15370
								4%	4%	3%	3%	17%	11%
							grade 3 events	2395	2278	2408	2358	2421	5127
								1%	1%	1%	1%	1%	3%
							grade 4 events	2223	2221	2261	2339	2260	5003
								1%	1%	1%	1%	1%	3%
							grade 5 events	2957	3073	2820	3353	6548	8034
								1%	1%	1%	1%	4%	5%
							grade 6 events	5419	5704	5128	5170	29392	27845
								3%	3%	3%	3%	21%	20%
							grade 7 events	117160	132462	127848	132763	68841	63615
								76%	78%	77%	77%	49%	47%

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	189.0154742130426	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-15.02853915139042	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	264.7234759112894	[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)	483931470.898793	483931469.87379			
Observation start date	2013-05-03T01:24:31	2013-05-03T01:24:29			
[s] Observation end time (MET)	483943233.79943	483943232.77443			
Observation end date	2013-05-03T04:40:34	2013-05-03T04:40:32			
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)	2013.05.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.284661845088

A.2 Comments