

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54571 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 6 2012

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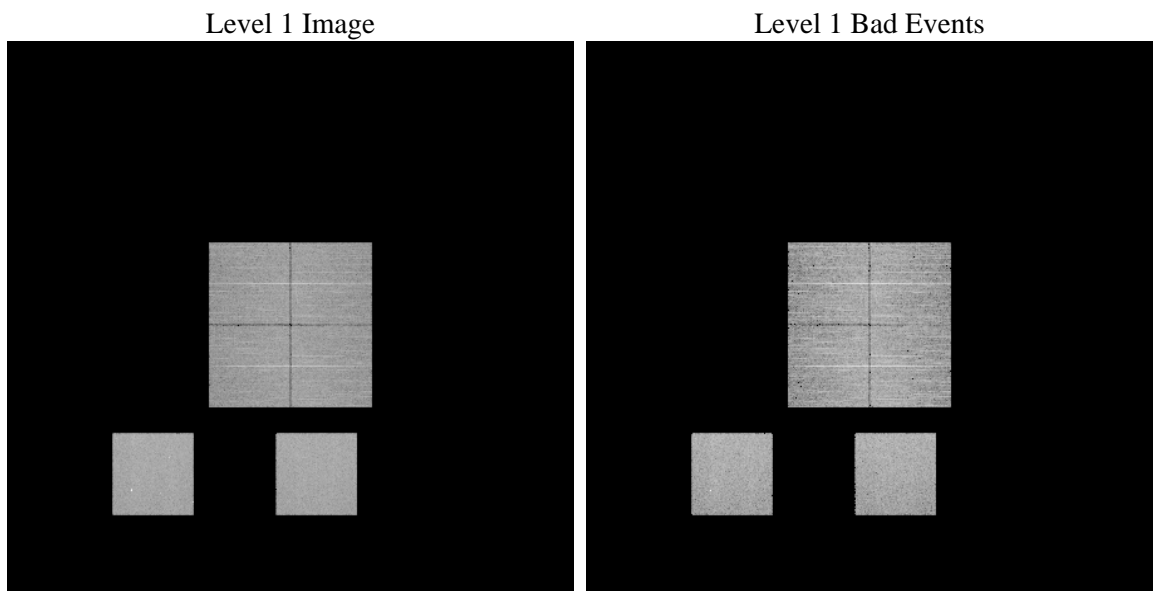
1 Front

seq_num	 	Sequence number
obs_id	54571	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	237.82889314569	Nominal RA [deg]
dec_nom	-38.702014687257	Nominal Dec [deg]
roll_nom	308.25789952388	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8081.9505043626	Sum of GTIs [s]
livetime	7979.61198071	Livetime [s]
ontime0	8081.9094643593	Sum of GTIs [s]
ontime1	8081.868424356	Sum of GTIs [s]
ontime2	8081.8273843527	Sum of GTIs [s]
ontime3	8081.9915443659	Sum of GTIs [s]
ontime5	8081.7863443494	Sum of GTIs [s]
ontime7	8081.9505043626	Sum of GTIs [s]
l2events	276657	Number of level 2 events

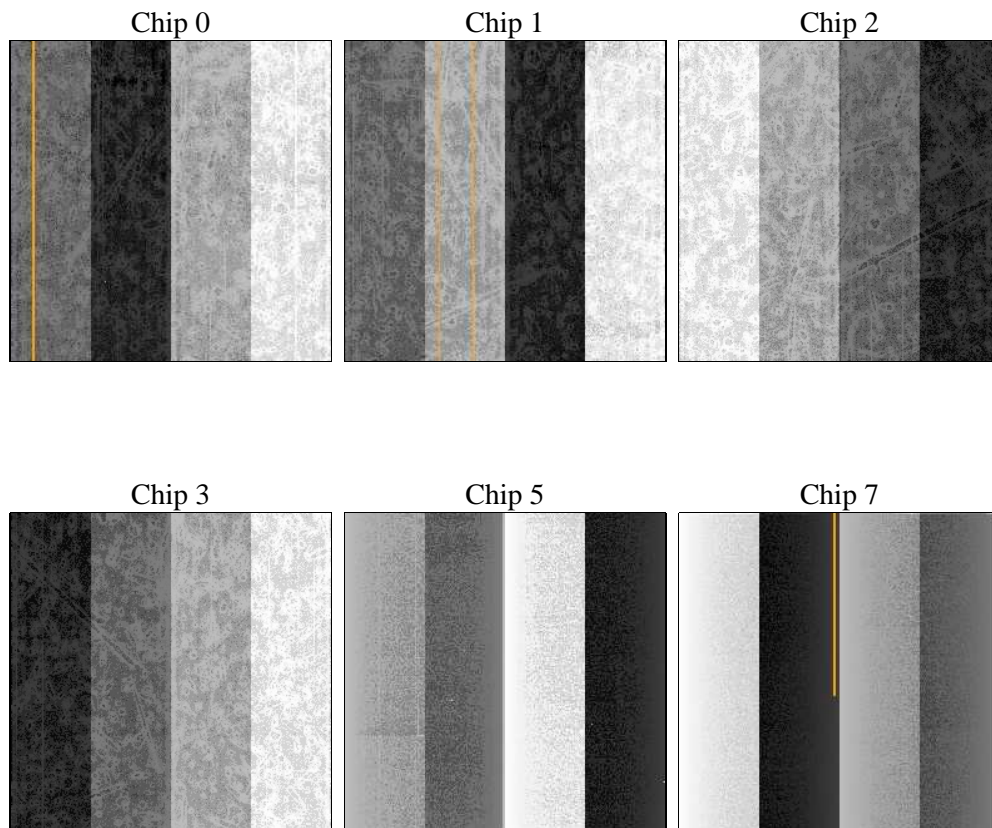
2 OBI

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	8081.9505043626	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	8081.9094643593	Sum of GTIs [s]
date	2012-06-06T20:45:33	Date and time of file creation	ontime1	8081.868424356	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8081.8273843527	Sum of GTIs [s]
			ontime3	8081.9915443659	Sum of GTIs [s]
			ontime5	8081.7863443494	Sum of GTIs [s]
			ontime7	8081.9505043626	Sum of GTIs [s]
			l1events	600639	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	86799	87982	87459	91834	125280	121285	grade 0 events	20707	20318	21476	21608	7654	10743
rejected events	47703	48558	48358	52369	57124	55934		23%	23%	24%	23%	6%	8%
rejected %	54%	55%	55%	57%	45%	46%	grade 1 events	133	93	145	147	136	102
								0%	0%	0%	0%	0%	0%
							grade 2 events	7553	8059	6990	7284	25521	14619
								8%	9%	7%	7%	20%	12%
							grade 3 events	2810	2652	2758	2723	2758	5786
								3%	3%	3%	2%	2%	4%
							grade 4 events	2633	2700	2797	2775	2600	5600
								3%	3%	3%	3%	2%	4%
							grade 5 events	3094	3222	2863	3431	6764	8236
								3%	3%	3%	3%	5%	6%
							grade 6 events	6363	6651	6069	6083	31404	30181
								7%	7%	6%	6%	25%	24%
							grade 7 events	43506	44287	44361	47783	48443	46018
								50%	50%	50%	52%	38%	37%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	237.8288931456914
[deg] Pointing Dec	0	-38.7020146872571
[deg] Pointing Roll	0.0	308.2578995238831
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	455137618.301111	455137618.301111
Observation start date	2012-06-03T19:06:58	2012-06-03T19:06:58
[s] Observation end time (MET)	455148807.665357	455148807.665357
Observation end date	2012-06-03T22:13:28	2012-06-03T22:13:27
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0819505043626

A.2 Comments