

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56016 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 3 2012

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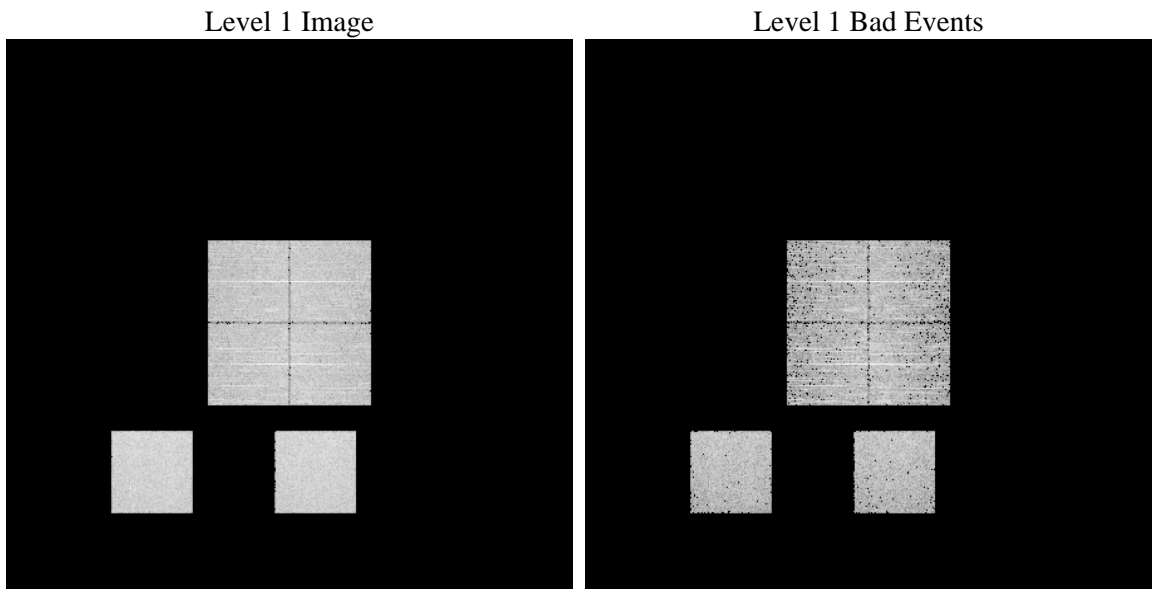
1 Front

seq_num	 	Sequence number
obs_id	56016	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	346.98522236569	Nominal RA [deg]
dec_nom	20.974934063958	Nominal Dec [deg]
roll_nom	208.21165352084	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3283.1448563933	Sum of GTIs [s]
livetime	3241.5716993492	Livetime [s]
ontime0	3283.10381639	Sum of GTIs [s]
ontime1	3283.0627763867	Sum of GTIs [s]
ontime2	3283.0217363834	Sum of GTIs [s]
ontime3	3283.1566887498	Sum of GTIs [s]
ontime5	3282.9806963801	Sum of GTIs [s]
ontime7	3283.1448563933	Sum of GTIs [s]
l2events	157530	Number of level 2 events

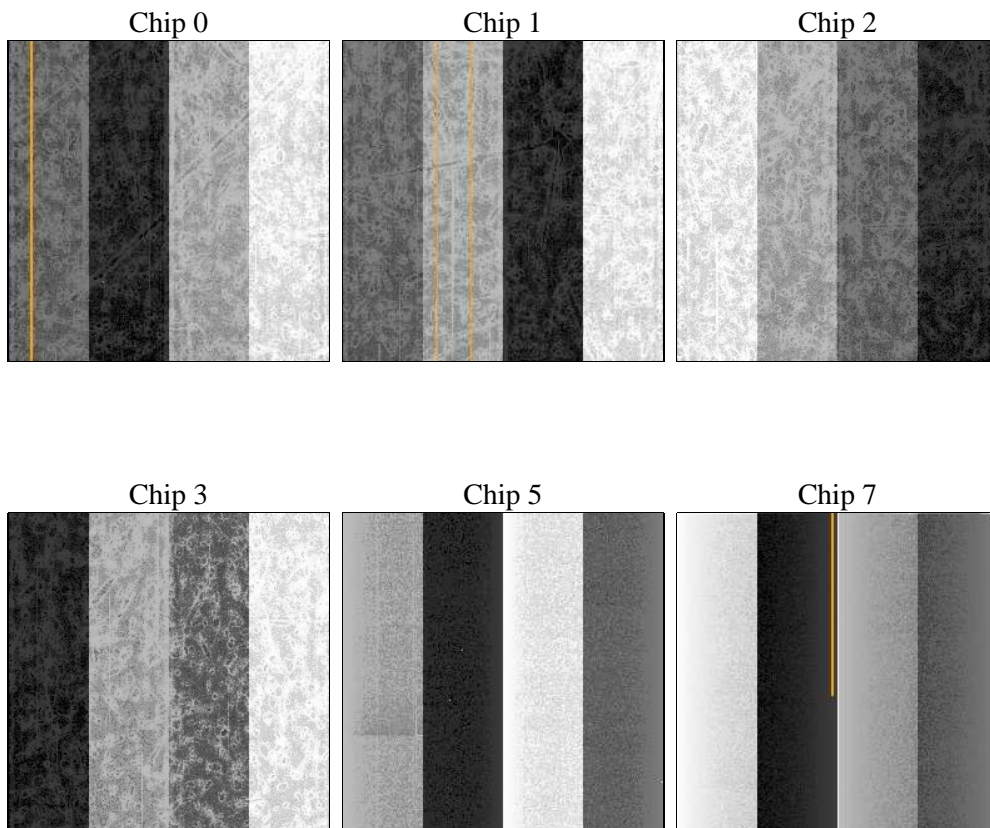
2 OBI

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	8.4.5	Processing system revision	ontime	3283.1448563933	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	3283.10381639	Sum of GTIs [s]
date	2012-07-03T12:52:52	Date and time of file creation	ontime1	3283.0627763867	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3283.0217363834	Sum of GTIs [s]
			ontime3	3283.1566887498	Sum of GTIs [s]
			ontime5	3282.9806963801	Sum of GTIs [s]
			ontime7	3283.1448563933	Sum of GTIs [s]
			l1events	315066	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	45921	46659	48730	48795	63311	61650
rejected events	23047	23410	25654	25663	26617	25436
rejected %	50%	50%	52%	52%	42%	41%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
grade 0 events	12183	12135	12323	12394	4189	6162
	26%	26%	25%	25%	6%	9%
grade 1 events	74	76	92	86	81	69
	0%	0%	0%	0%	0%	0%
grade 2 events	4202	4501	4116	4075	13496	7961
	9%	9%	8%	8%	21%	12%
grade 3 events	1528	1510	1661	1630	1471	3271
	3%	3%	3%	3%	2%	5%
grade 4 events	1533	1467	1577	1575	1447	3178
	3%	3%	3%	3%	2%	5%
grade 5 events	1511	1498	1379	1650	3270	4060
	3%	3%	2%	3%	5%	6%
grade 6 events	3428	3636	3399	3458	16091	15642
	7%	7%	6%	7%	25%	25%
grade 7 events	21462	21836	24183	23927	23266	21307
	46%	46%	49%	49%	36%	34%

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	346.9852223656874	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	20.97493406395831	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	208.2116535208399	[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)	401448047.407961	401448046.38298			
Observation start date	2010-09-21T09:20:47	2010-09-21T09:20:46			
[s] Observation end time (MET)	401453227.758226	401453226.73324			
Observation end date	2010-09-21T10:47:08	2010-09-21T10:47:06			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2831448563933

A.2 Comments