

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53155 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 19 2013

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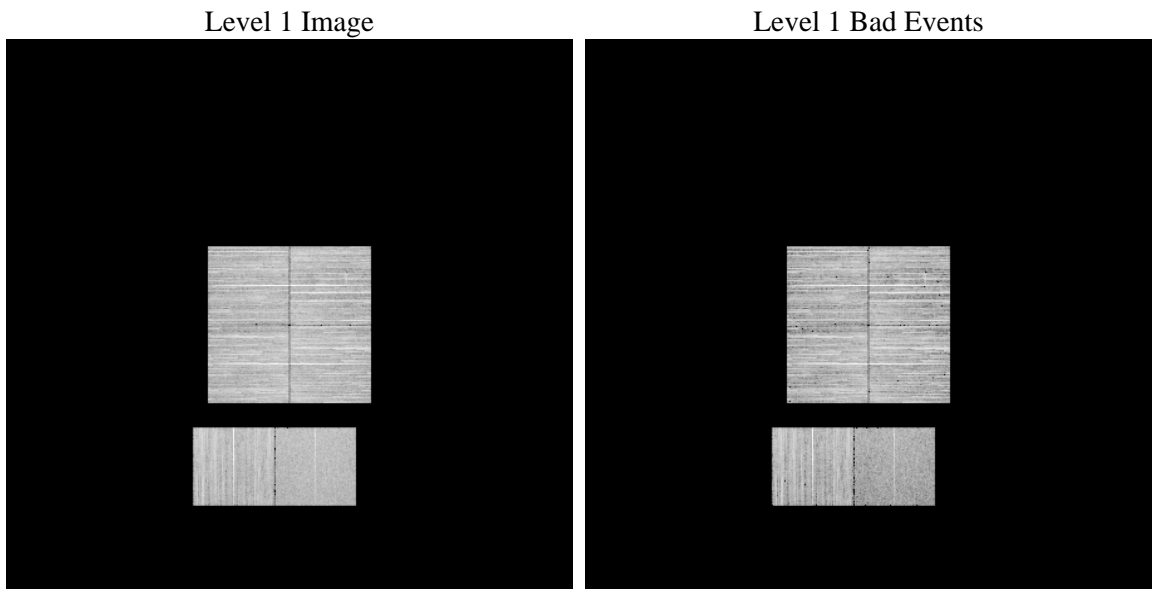
1 Front

seq_num	 	Sequence number
obs_id	53155	Observation id
title	ACIS-012367 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	129.51548779341	Nominal RA [deg]
dec_nom	6.4155778015417	Nominal Dec [deg]
roll_nom	70.595994097093	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6966.1929409504	Sum of GTIs [s]
livetime	6877.9828113943	Livetime [s]
ontime0	6966.1519009471	Sum of GTIs [s]
ontime1	6966.1108609438	Sum of GTIs [s]
ontime2	6966.0698209405	Sum of GTIs [s]
ontime3	6966.2339809537	Sum of GTIs [s]
ontime6	6966.0287809372	Sum of GTIs [s]
ontime7	6966.1929409504	Sum of GTIs [s]
l2events	157230	Number of level 2 events

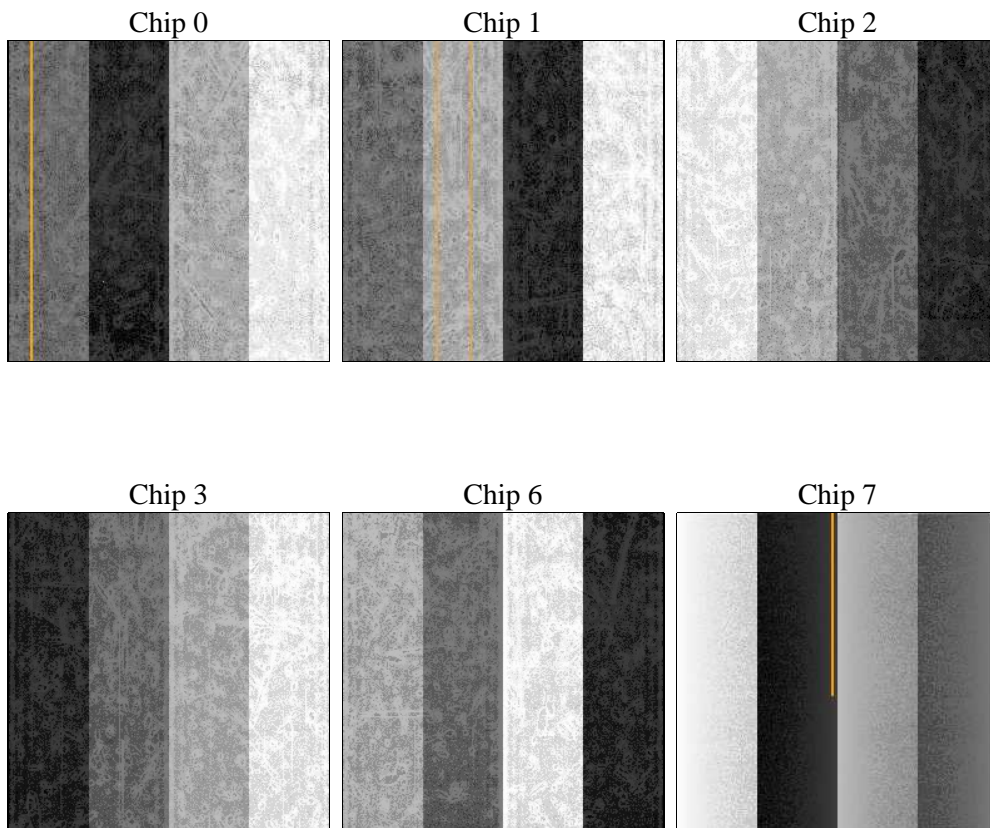
2 OBI

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	10.1.1	Processing system revision	ontime	6966.1929409504	Sum of GTIs [s]
caldbver	4.6.0	 	ontime0	6966.1519009471	Sum of GTIs [s]
date	2013-12-19T18:36:18	Date and time of file creation	ontime1	6966.1108609438	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6966.0698209405	Sum of GTIs [s]
			ontime3	6966.2339809537	Sum of GTIs [s]
			ontime6	6966.0287809372	Sum of GTIs [s]
			ontime7	6966.1929409504	Sum of GTIs [s]
			l1events	699357	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	115468	121272	121215	125971	116296	99135	grade 0 events	12172	11928	12797	12696	12431	6497
rejected events	91606	97156	97052	101803	91210	53873		10%	9%	10%	10%	10%	6%
rejected %	79%	80%	80%	80%	78%	54%	grade 1 events	68	46	63	67	55	79
								0%	0%	0%	0%	0%	0%
							grade 2 events	4819	5101	4574	4646	5031	11188
								4%	4%	3%	3%	4%	11%
							grade 3 events	1659	1552	1649	1684	1673	3838
								1%	1%	1%	1%	1%	3%
							grade 4 events	1604	1615	1670	1717	1721	3725
								1%	1%	1%	1%	1%	3%
							grade 5 events	2267	2347	2147	2591	2518	6177
								1%	1%	1%	2%	2%	6%
							grade 6 events	3753	4054	3623	3597	4401	20285
								3%	3%	2%	2%	3%	20%
							grade 7 events	89126	94629	94692	98973	88466	47346
								77%	78%	78%	78%	76%	47%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	129.5154877934075
[deg] Pointing Dec	0	6.415577801541719
[deg] Pointing Roll	0.0	70.59599409709253
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)	503779473.581277	503779473.581277
Observation start date	2013-12-18T18:44:34	2013-12-18T18:44:33
[s] Observation end time (MET)	503788248.880118	503788248.880118
Observation end date	2013-12-18T21:10:49	2013-12-18T21:10:48
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.12.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.9661929409504

A.2 Comments