

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51635 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 12 2015

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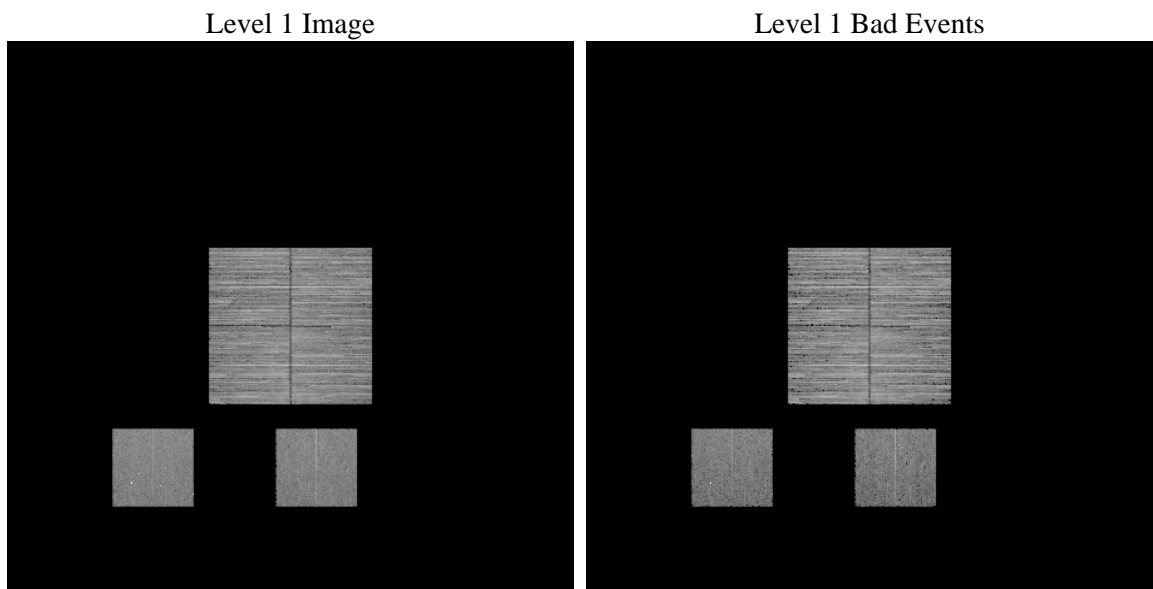
1 Front

seq_num	 	Sequence number
obs_id	51635	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	339.43225325661	Nominal RA [deg]
dec_nom	-27.295883525181	Nominal Dec [deg]
roll_nom	335.38575978478	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4844.8000721931	Sum of GTIs [s]
livetime	4783.4522964907	Livetime [s]
ontime0	4844.8000721931	Sum of GTIs [s]
ontime1	4844.8000721931	Sum of GTIs [s]
ontime2	4844.8000721931	Sum of GTIs [s]
ontime3	4844.8000721931	Sum of GTIs [s]
ontime5	4844.8000721931	Sum of GTIs [s]
ontime7	4844.8000721931	Sum of GTIs [s]
l2events	100024	Number of level 2 events

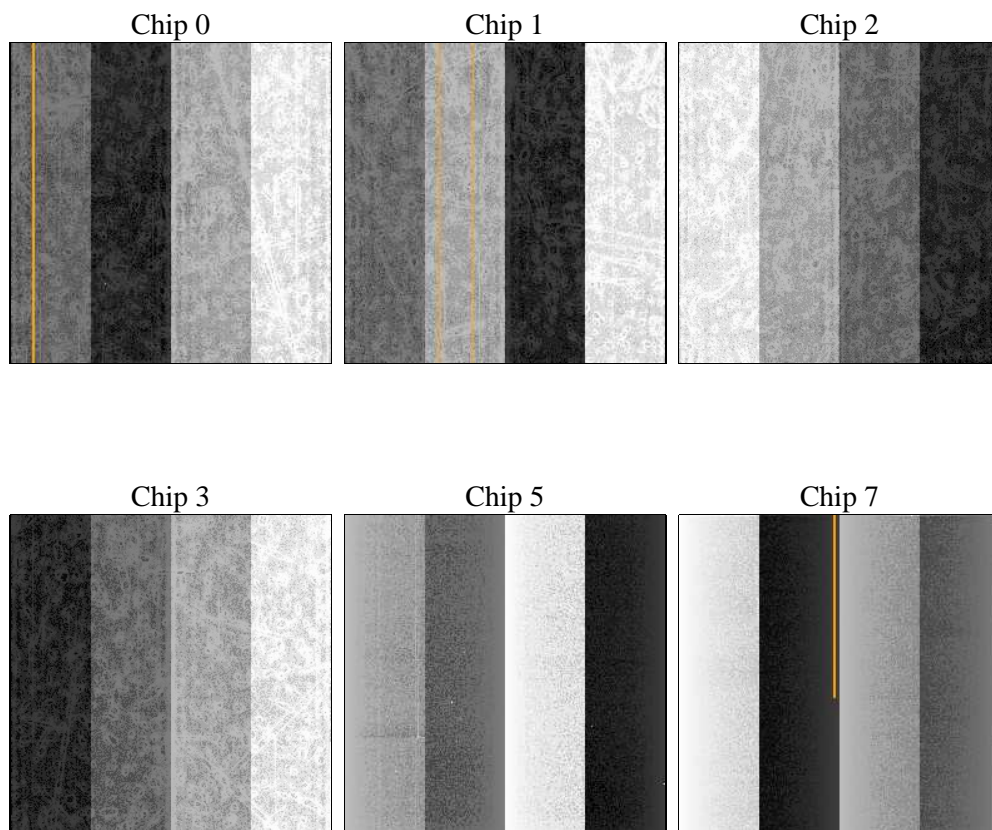
2 OBI

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	10.4.1	Processing system revision	ontime	4844.8000721931	Sum of GTIs [s]
caldsver	4.6.8	 	ontime0	4844.8000721931	Sum of GTIs [s]
date	2015-09-12T11:48:29	Date and time of file creation	ontime1	4844.8000721931	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4844.8000721931	Sum of GTIs [s]
			ontime3	4844.8000721931	Sum of GTIs [s]
			ontime5	4844.8000721931	Sum of GTIs [s]
			ontime7	4844.8000721931	Sum of GTIs [s]
			l1events	541139	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	97033	100038	100766	95944	76718	70640	grade 0 events	5909	5423	6352	6421	3382	3120
rejected events	84571	87616	88576	83340	46196	43754		6%	5%	6%	6%	4%	4%
rejected %	87%	87%	87%	86%	60%	61%	grade 1 events	44	33	41	48	162	53
								0%	0%	0%	0%	0%	0%
							grade 2 events	3119	3620	2756	2840	11198	7030
								3%	3%	2%	2%	14%	9%
							grade 3 events	841	763	850	986	870	1982
								0%	0%	0%	1%	1%	2%
							grade 4 events	840	804	871	900	868	1979
								0%	0%	0%	0%	1%	2%
							grade 5 events	1614	1582	1548	1888	3395	4274
								1%	1%	1%	1%	4%	6%
							grade 6 events	2397	2454	1991	2121	15643	14094
								2%	2%	1%	2%	20%	19%
							grade 7 events	82269	85359	86357	80740	41200	38108
								84%	85%	85%	84%	53%	53%

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	339.4322532566136
[deg] Pointing Dec	0	-27.29588352518124
[deg] Pointing Roll	0.0	335.3857597847827
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	558390174.869707	558390174.869707
Observation start date	2015-09-11T20:22:55	2015-09-11T20:22:54
[s] Observation end time (MET)	558396540.781996	558396540.781996
Observation end date	2015-09-11T22:09:01	2015-09-11T22:09:00
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8448000721931

A.2 Comments