V&V Summary Report
L2 ASCDS Version : 8.4.5

Observation 11998 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Jun 20 2012

See axaff11998N003_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1339

Comments

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The bias map for chip=0 has an anomalous region of very low pixel
values. The region is irregular in shape with adu values in the
approximate range 300-425. However, the median adu value for the entire
node is approximately 765. The processing software worked correctly in
the sense that all pixels in the anomalously low pixel values were
flagged as bad and are not included in the Level 2 event file.
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A spatial region of the original bias map for CCD = 2 suffered from
anomalously high data values. Pixels in the event data that were
bias-corrected by one of the original affected bias pixels may have an
apparent energy shift. While the change in energy is expected to be
small (~20 eV), it depends on many parameters that have not yet been
fully explored for this bias anomaly. The bias map for CCD = 2 has been
reconstructed for this processing to remove this anomaly using scaled
data from a comparable bias map from another observation. The pixels
affected by the anomaly are bounded by sky coords:

(358.82139,-51.11347),(358.83342,-51.11695),(358.87477,-51.06091),(358.8
6549,-51.05373)

Please note this is a separate issue than that of CCD=0.
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seq_num	800937	Sequence number
obs_id	11998	Observation id
title	Chandra Observations of SZ-selected Galaxy Clusters Detected by the South Pole Telescope	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SPT-CL2356-5056	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	358.957083	Observer's specified target RA [deg]
dec_targ	-50.936	Observer's specified target Dec [deg]
ra_nom	358.91802750652	Nominal RA [deg]
dec_nom	-50.984514825717	Nominal Dec [deg]
roll_nom	245.17833151975	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10133.900077939	Sum of GTIs [s]
livetime	10001.493212952	Livetime [s]
ontime0	10130.759117603	Sum of GTIs [s]
ontime1	10127.618127227	Sum of GTIs [s]
ontime2	10133.900077939	Sum of GTIs [s]
ontime3	10133.900077939	Sum of GTIs [s]
ontime6	10133.900077939	Sum of GTIs [s]
l2events	40916	Number of level 2 events