V&V Summary Report
L2 ASCDS Version : 8.4.5

Observation 14634 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Nov 27 2014

See axaff14634N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.12.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.074

Comments

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Zeroth order filtered with a grey filter, allowing 1 in 10 events to be
recorded. The filter is 100 columns wide.
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As of November 1, 2009, events with a flight grade of 66 were added
to
the telemetry stream for continuous-clocking mode observations because
it
was found that a significant fraction of real X-ray events have this
flight
grade in this mode. To prevent these events from being discarded from
Level
2 event files, the CALDB grade file was modified to change the 'ASCA'
grade
for these events from 7 (a bad grade) to 2 (a good grade). The new
grade
file has been used in standard pipeline processing for code versions DS
10.3
and later (i.e. 2014 Oct 30 and later). Since the calibration products
for
continuous-clocking mode observations are appropriate for data that
includes
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flight grade 66 events, data obtained on or after 2009 Nov 1, but that
were
processed using an earlier version of the pipeline code, should be
reprocessed with CIAO using version 4.7 (i.e. 2014 December) or later.
Note
that it is not possible to fix the data obtained before 2009 Nov 1.
Since
these earlier continuous-clocking observations are not calibrated at
present, spectral analyses of these data may yield inaccurate results.
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For ACIS/CC-mode w/ HETG, at with no SIM-Z offset, there are no MEG even
order counts. MEG even orders overlap with HEG orders in energy, but MEG
even order efficiencies are very low. Since HEG and MEG cannot be
spatially separated, events are preferentially assigned to HEG. (MEG odd
orders can be resolved.) For observations with a SIM-Z offset, MEG
negative and MEG positive orders will be missing (off the array), and
remove some of the ambiguity.
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These data have been reprocessed with new aspect alignment calibration
files that correct small mean offsets (up to 0.4 arcsecs) and improve
overall astrometric accuracy. The new calibration was determined using
data from the time period being reprocessed and was performed using
cross-correlation of X-ray sources with radio and optical counterparts.

seq_num	401467		Sequence number
obs_id	14634		Observation id
title	Accretion and Ejection in a Neutron Star Transient		Proposal title
observer	Dr Jon Miller		Principal investigator
object	Swift J1910.2-0546		Source name
ra_targ	287.595		Observer's specified target RA [deg]
dec_targ	-5.798861		Observer's specified target Dec [deg]
ra_nom	287.59761246664		Nominal RA [deg]
dec_nom	-5.8004029184196		Nominal Dec [deg]
roll_nom	272.05757754329		Nominal Roll [deg]
revision	2		Processing version of data
ontime	30074.0		Sum of GTIs [s]
livetime	29956.5234375		Livetime [s]
ontime4	30074.0		Sum of GTIs [s]
ontime5	30074.0		Sum of GTIs [s]
ontime6	30074.0		Sum of GTIs [s]
ontime7	30074.0		Sum of GTIs [s]
ontime8	30074.0		Sum of GTIs [s]
ontime9	30074.0		Sum of GTIs [s]
l2events	7917574		Number of level 2 events