V&V Summary Report
L2 ASCDS Version : 10.3.3

Observation 17649 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 15 2015

See axaff17649N001_VV001_vvref2.pdf for the full report

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2015.04.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.073

Comments

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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 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
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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.

seq_num	401691	Sequence number
obs_id	17649	Observation id
title	Seizing a rare opportunity to catch a disk wind in a neutron star X-ray binary	Proposal title
observer	Dr Nathalie Degenaar	Principal investigator
object	1RXS J180408.9-342058	Source name
ra_targ	271.035	Observer's specified target RA [deg]
dec_targ	-34.347528	Observer's specified target Dec [deg]
ra_nom	271.03122455113	Nominal RA [deg]
dec_nom	-34.343063118722	Nominal Dec [deg]
roll_nom	85.889684453728	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30073.0	Sum of GTIs [s]
livetime	29955.52734375	Livetime [s]
ontime4	30073.0	Sum of GTIs [s]
ontime5	30073.0	Sum of GTIs [s]
ontime6	30073.0	Sum of GTIs [s]
ontime7	30073.0	Sum of GTIs [s]
ontime8	30073.0	Sum of GTIs [s]
ontime9	30073.0	Sum of GTIs [s]
l2events	3631405	Number of level 2 events