Chandra X-ray Center

Bugs: dmkeypar

A list of bugs fixed in CIAO 3.4 is included at the end of this document.

Bugs

1. ***Cannot access the second element in a vector column*** **NEW!** *(07 Mar 2008)*

   `dmkeypar` cannot be used to get information from the second element in a vector column, e.g. the second R value from a wavdetect source file:

   ```
   unix% dmlist s3_src.fits"[cols R][#row=1]" data
   --------------------------------------------------
   Data for Table Block SRCLIST
   --------------------------------------------------

   ROW    R[2]

       1 [        3.8186242580       2.8336687088]
   ```

Bugs fixed in CIAO 3.4

The following is a list of bugs that were fixed in the CIAO 3.4 software release.

1. ***The tool should not be used to read data from array columns that are part of a vector.*** *(01 Jun 2006)*

   `dmkeypar` will access the first X value correctly, but not the first Y value in the vector array column (when the length of the array is > 1).

   Examples of such a column are the "x", "y", and "pos" columns below:

   ```
   ---------------------------------------------------------------
   Columns for Table Block REGION
   ---------------------------------------------------------------

   ColNo  Name                 Unit        Type          Range
      1   POS(X,Y)[11]         pixel       Real8(11)     -Inf:+Inf
      2   SHAPE                            String[16]
      3   R[2]                 pixel       Real8(2)      -Inf:+Inf
      4   ROTANG[2]            pixel       Real8(2)      -Inf:+Inf
      5   COMPONENT                        Int2          -
   ```