
Subject: reading images stored compressed in FITS files binary extensions

Posted by [Jeremy Bailin](#) on Thu, 08 Apr 2010 18:33:38 GMT

[View Forum Message](#) <> [Reply to Message](#)

Does anyone know what routine in the astronomy user's library (or any other routine) can read in an image that's stored compressed in the binary extension of a FITS file? (it looks like it's equivalent to an iraf .pl file in format) This is what the header of the extension looks like:

```
XTENSION= 'BINTABLE'          / binary table
extension
BITPIX =          8 / 8-bit
bytes
NAXIS =          2 / 2-dimensional binary
table
NAXIS1 =          8 / width of table in
bytes
NAXIS2 =         4096 / number of rows in
table
PCOUNT =         70790 / size of special data
area
GCOUNT =          1 / one data group (required
keyword)
TFIELDS =          1 / number of fields in each
row
TTYPE1 = 'COMPRESSED_DATA'    / label for field
1
TFORM1 = '1PI(9) '           / data format of field: variable length
array
ZIMAGE =          T / extension contains compressed
image
ZBITPIX =         16 / data type of original
image
ZNAXIS =          2 / dimension of original
image
ZNAXIS1 =        2048 / length of original image
axis
ZNAXIS2 =        4096 / length of original image
axis
ZTILE1 =         2048 / size of tiles to be
compressed
ZTILE2 =          1 / size of tiles to be
compressed
ZCMPTYPE= 'PLIO_1 '          / compression algorithm
```

Thanks,
-Jeremy.
