
Subject: How to display both wavenumber & wavelength (Z-profile window) in ENVI
Posted by [coold](#) on Mon, 24 Oct 2005 16:24:09 GMT

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Hi,

I would like to display both wavenumber and wavelength on the X axis (top and bottom) of the Z-profile window in ENVI. I can import one of them say, "wavenumber" for the bottom part but would like to know the additional changes needed for the ENVI header file to import the wavelength to be displayed on the top part of the axis. Y axis can be imported easily.

ENVI header reads like this:

```
ENVI
description = {
  Create New File Result [Sat Nov 10 13:11:40 2001]}
samples = 50
lines   = 53
bands   = 18
header offset = 0
file type = ENVI Standard
data type = 4
interleave = bsq
sensor type = Unknown
byte order = 0
z plot range = {0.80, 1.00}
z plot titles = {wavenumber, emissivity}
band names = {
  newratio, newratio, newratio,newratio, newratio, newratio, newratio,
  newratio,newratio, newratio, newratio, newratio
}
wavelength = {
  702.132385, 705.990234, 709.848145, 713.705994, 717.563904,
  721.421753, 725.279663, 729.137512, 732.995361, 736.853271,
  740.711121, 744.569031
}
```

Thanks.
coold
