Hi Allard,

Interesting. You are correct; I'm using random pixel locations across
an entire Landsat scene, so many of the pixels may fall in the same
slice. I had assumed that since I specify a unique line/column
address in the ENVI_GET_SLICE command, IDL retrieves only the values
for that one pixel. But obviously if the command retrieves the entire
slice prior to defining the column selection, it makes for an
inefficient process, as you point out.

I've tangled with histograms and reverse indices before; the
experience left me with a splitting headache, so it may take me some
time to successfully apply your suggestion to my program. I'll post a
follow-up message when I have results.

Thanks very much for taking the time to reply!

Jess