Subject: Re: How to read 16-bit UNSIGNED data
Posted by thompson on Fri, 18 Feb 1994 19:12:12 GMT

knipp@ipi.uni-hannover.de (K Knipp) writes:

> I have to read image data which are written as 16 Bit per Pixel,
> UNSIGNED and with a range of 0 to 65535.

> INTEGER Variable in IDL are defined to range from -32767 to 32768.

> Is the following way to read the data correct?

> OPENR, UNI, FILE, /GET
> I = ASSOC(UNI, INTARR(WIDTH,ROW),OFFSET)
> IMA = I(0)
> FREE_LUN, UNI

> IMA2 = LONG(IMA)
> POS = WHERE(IMA2 LT 0)
> IF POS(0) NE -1 THEN IMA2(POS) = IMA2(POS) + 65535L

Better would be to say

 IMA2 = LONG(IMA) AND 'FFFF'X

Bill Thompson