
Subject: Re: Band reader

Posted by [Fotis](#) on Tue, 30 Dec 2003 07:34:12 GMT

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Julio wrote:

- > Hello, I'm a new user of ENVI/IDL and I'm writing a routine to
- > calibrate the channels 1 and 2 of AVHRR images. According to KLM User's
- > Guide, the slope and intercept coefficients values depend on the CN.
- > I'm using the ENVI_GET_IMAGE to read the channels, but it reads the
- > matrix, and not unit values. How can I do to read only the CN and then
- > apply the right values of intercept and slope?
- > Thanks a lot!

Assume that calibr. factors change for CN values larger or less than 499.

Assume b1 is the matrix of the first band (0.63 micron)

```
temp1=fltarr(ns,ni)
```

```
temp2=fltarr(ns,ni)
```

```
calibr_b1=fltarr(ns,ni)
```

```
temp1=float(b1)* SLOPE1 + INTERC1
```

```
temp2=float(b1)* SLOPE2 + INTERC2
```

```
calibr_b1=temp1 * (b1 le 499) + temp2 * (b1 gt 499)
```
