
Subject: Band reader

Posted by [julio](#) on Mon, 29 Dec 2003 03:22:48 GMT

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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!

Subject: Re: Band reader

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

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Julio wrote:

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> calibrate the channels 1 and 2 of AVHRR images. According to KLM User's
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> 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)

Subject: Re: Band reader

Posted by [julio](#) on Tue, 30 Dec 2003 13:13:15 GMT

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Thanks Fotis, I'll try it!

Julio

Fotis <fotis@physics.uoc.gr> wrote in message news:<[bsr9pk\\$njg\\$1@nic.grnet.gr](mailto:bsr9pknjg1@nic.grnet.gr)>...

> Julio wrote:

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```
