
Subject: Re: IDL routines for Rayleigh optical depth/US Standard Atmospheres?
Posted by [Andy Sayer](#) on Tue, 13 Aug 2013 13:05:37 GMT

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Thanks, Bill. Yes, I've seen that but had hoped someone may have IDL'd (is that a word?) it up. Although old, they're still what's used in our community.

In case anyone else had been curious, I did code up the Bodhaine Rayleigh calculations in the end but need to work a little more on it.

Andy

On Thursday, July 25, 2013 9:59:59 AM UTC-4, AMS wrote:

> Hi all,

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> Before I start to code up my own, I was wondering whether anyone had an IDL routine to calculate atmospheric Rayleigh optical depth? Ideally I'm looking for an implementation of the Bodhaine et al (1999) Rayleigh formulae:

[http://journals.ametsoc.org/doi/full/10.1175/1520-0426\(1999\)016%3C1854%3AORODC%3E2.0.CO%3B2](http://journals.ametsoc.org/doi/full/10.1175/1520-0426(1999)016%3C1854%3AORODC%3E2.0.CO%3B2)

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> On a related note, does anyone have a routine which returns properties (i.e. p/T/z/gas) for the US Standard Atmospheres?

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> Neither should be particularly difficult, I just thought that as these are fairly well-used things (although a Google search didn't pull anything up) I might be able to save myself from reinventing the wheel. :)

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> Thanks,

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> Andy
