
Subject: IDL routines for Rayleigh optical depth/US Standard Atmospheres?

Posted by [Andy Sayer](#) on Thu, 25 Jul 2013 13:59:59 GMT

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Hi all,

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)

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

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. :)

Thanks,

Andy
