
Subject: Re: units conversion

Posted by [Martin Schultz](#) on Wed, 28 Feb 2001 08:54:20 GMT

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Jason Li wrote:

>
> Hi,
>
> MODTRAN package outputs atmospheric profile in tape 6. The physical unit
> used for the gas concentration is in ATM CM/KM. I want to convert it to any
> one of the following units:
>
> g/Kg
> ppmv,
> g/m3
>
> Help please and thanks in advance
>
> jli@wam.umd.edu

Try the uunits package - where to find? I think it comes with netcdf
([www.ucar.edu/...](http://www.ucar.edu/)). And if I remember correctly, someone even wrote an
IDL interface for it. Alternatively, you can take a look at my convert
program at
http://www.mpimet.mpg.de/~schultz.martin/idl/html/src/martin_schultz/convert_unit.pro

Cheers,

Martin

--

```

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[[          [[          [[          [[          [[          [[

```

Subject: Re: units conversion

Posted by [Alex Schuster](#) on Wed, 28 Feb 2001 13:10:10 GMT

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Martin Schultz wrote:

> Try the uunits package - where to find? I think it comes with netcdf
> ([www.ucar.edu/...](http://www.ucar.edu/)). And if I remember correctly, someone even wrote an

> IDL interface for it.

Yes, Davie Pierce did, the package is called udunits-idl_0.2.tar. I didn't get it to work, however, it keeps telling me the package has not been initialized :(Don't know what I am doing wrong here, I just use the same program testit.pro that comes with the package. I had contacted the author, but got no answer.

Alex

--

Alex Schuster Wonko@weird.cologne.de PGP Key available
alex@pet.mpin-koeln.mpg.de

Subject: Re: units conversion

Posted by [Liam E. Gumley](#) on Wed, 28 Feb 2001 15:53:13 GMT

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Jason Li wrote:

> MODTRAN package outputs atmospheric profile in tape 6. The physical unit
> used for the gas concentration is in ATM CM/KM. I want to convert it to any
> one of the following units:
>
> g/Kg
> ppmv,
> g/m3

Jason,

I'd ask Paul van Delst:
<mailto:pvandelst@ncep.noaa.gov>

Cheers,
Liam.
