Subject: Re: IDL procedures to get theromdynamic parameters from Soundings
Posted by stricherz on Thu, 11 Apr 1996 07:00:00 GMT
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+ >Is there a place where I can obtain routines to do the folowing
+ >from soundings.

+ >1) Lifting condensation Level
+ >1) Level of Free Convection
+ >2) Convective Available Potential Energy (CAPE)

+ AWS/TR-79/006
+ "The use of the Skew-T, Log P diagram in analysis and forecasting"

That's more on the feeding and care of Skew-T diagrams. He seems
to be looking for algorithms. So:

AWS/TR-83/001
Equations and Algorithms for Meteorological Applications in Air Weather
Service

Lots more than just thermodynamic algorithms.

James

--
#!/bin/perl -s-- -export-a-crypto-system-sig -RSA-3-lines-PERL
$m=unpack(H.$w,$m."\0"x$w),$_=`echo "16do$w 2+4Oi0$d*-^1[d2%Sa
2/d0<X+d*La1=z\U$n%0]SX$k"[$m*]\EszlXx++p|dc`,s/^.|\W//g,print
pack('H*',$_)while read(STDIN,$m,($w=2*$d-1+length($n)&~1)/2)

Subject: Re: IDL procedures to get theromdynamic parameters from Soundings
Posted by uphamw on Thu, 11 Apr 1996 07:00:00 GMT
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"Sereno A. Barr-Kumarakulasinghe" <sbarrkum@ic.sunysb.edu> wrote:

>
> Is there a place where I can obtain routines to do the folowing
> from soundings.
>
> 1) Lifting condensation Level
> 1) Level of Free Convection
> 2) Convective Available Potential Energy (CAPE)
>
> Hope somebody can help out.
>

> Regards
>
> Barr-Kum

Try:

AWS/TR-79/006
"The use of the Skew-T, Log P diagram in analysis and forecasting"

This is an Air Force manual (a good one too) that is approved for
public release.

Write to:

U.S. Department of Commerce
National technical information service
Springfield, VA 22161

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Wayne Upham
Meteorology student
U Mass Lowell

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```
 /
 | d(cabin)
 |--------------- = (natural) log cabin + C = houseboat
 | (cabin)
/
```

As explained by Dr Kannenburg during a physics recitation.
========== ==