Subject: Temperature records
Posted by d.poreh on Fri, 09 Oct 2015 16:33:30 GMT
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Folks,
Hi,
I am looking for a specific area's temperature records. I mean per day records of temperature.
Will you please help me?
Thanks for any kind of help in advance,
Cheers,
Dave

Subject: Re: Temperature records
Posted by Dick Jackson on Fri, 09 Oct 2015 19:22:06 GMT
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On Friday, 9 October 2015 09:33:35 UTC-7, dave poreh wrote:
> Folks,
> Hi,
> I am looking for a specific area's temperature records. I mean per day records of temperature.
> Will you please help me?
> Thanks for any kind of help in advance,
> Cheers,
> Dave

I've found this to be helpful, if you know an airport code or other identifier that Weather Underground knows... It looks like it was a nice day in Boulder yesterday:

 http://www.wunderground.com/history/airport/WBU/2015/10/8/Da ilyHistory.html
or in more machine-readable form:
 http://www.wunderground.com/history/airport/WBU/2015/10/8/Da ilyHistory.html?&format=1

With IDL 8.5, it's as easy as this:

IDL> s = WGet(' http://www.wunderground.com/history/airport/WBU/2015/10/8/Da ilyHistory.html?&format=1', /STRING_ARRAY)

IDL> help, s
S   STRING   = Array[74]
IDL> s[0:2]

TimeMDT,TemperatureC,Dew PointC,Humidity,Sea Level PressurehPa,VisibilityKm,Wind Direction,Wind SpeedKm/h,Gust SpeedKm/h,Precipitationmm,Events,Conditions,WindDirDegrees,D ateUTC
12:15 AM,15.0,5.0,51,1021.9,16.1,Calm,Calm,-,N/A,,Clear,0,2015-10- 08 06:15:00

IDL> parts = StRegEx(s[2:*], '(.*),(.*),(.*),(.*),(.*),(.*),(.*),(.*),(.*),(.*),(.*),(.*) ,(.*),(.*)', /EXTRACT,

/SUBEXPR)
IDL> times = DblArr(72)
IDL> ReadS, parts[14, *], FORMAT='(C(CYI4,X,CMOI2,X,CDI2,X,CHI2,X,CMI2,X,CSI2))', times
IDL> tempC = Float((parts[2,*])[*])
IDL> p=plot(times, tempC, xtickunits='Hours',xtitle='Hour (UTC)',ytitle='Temp. (C)')

There are other ways to get the "parts", like having WGET save to a file, then using READ_ASCII to read and separate on the commas.

Hope this helps!

Cheers,
-Dick

Dick Jackson Software Consulting Inc.
Victoria, BC, Canada --- http://www.d-jackson.com

Subject: Re: Temperature records
Posted by Craig Markwardt on Fri, 09 Oct 2015 20:47:03 GMT
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On Friday, October 9, 2015 at 12:33:35 PM UTC-4, dave poreh wrote:
> Folks,
> Hi,
> I am looking for a specific area's temperature records. I mean per day records of temperature.
> Will you please help me?
> Thanks for any kind of help in advance,
> Cheers,
> Dave

I have used NOAA data, the so-called GSOD product (global summary of day), which I think is available for many stations worldwide.

Start here and pick a station,
 http://www7.ncdc.noaa.gov/CDO/cdoselect.cmd?datasetabbv=GSOD
&countryabbv=&georegionabbv=
