

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/DailyHistory.html>
or in more machine-readable form:
<http://www.wunderground.com/history/airport/WBU/2015/10/8/DailyHistory.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, DateUTC
 12:15 AM, 15.0, 5.0, 51.1, 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

