Subject: Antarctic Temperature Data

Posted by David Fanning on Tue, 01 May 2007 19:01:56 GMT

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Folks,

OK, since I seem to be on a roll today, how about this.
Here is a text file containing temperature data from
an automated Antarctica weather station that I wish to
plot. I got the data from here:

   http://amrc.ssec.wisc.edu/~amrc/8911.txt

Here is what the first couple of columns in the file look like.

ARGOS ID	Date	Time	T(C)
8911	2007118	5250	-38.4
8911	2007118	5250	-38.4
8911	2007118	5250	-38.4
8911	2007118	32311	-37.2
8911	2007118	50325	-38.5
8911	2007118	54332	-38.5
8911	2007118	54331	-38.5
8911	2007118	54332	-38.5
8911	2007118	54331	-38.5
8911	2007118	64340	-39.6
8911	2007118	83357	-39.2
8911	2007118	83356	-39.2
8911	2007118	83356	-39.2
8911	2007118	83357	-39.2
8911	2007118	83356	-39.2
8911	2007118	83356	-39.2
8911	2007118	92404	-39.2
8911	2007118	93406	-39.4
8911	2007118	93406	-39.4
8911	2007118	101411	-39.6
8911	2007118	101410	-39.6
8911	2007118	115425	-41.2
8911	2007118	122430	-41.4

The time values range from 5250 to 225603. They seem to increase
to the maximum, then fall again to the minimum when the day of
year changes, say from 118 to 119. Supposedly, these temperature
readings are suppose to happen every 10 minutes, but as you can
see from the first three readings above, sometimes that doesn't
happen, or something... (This is raw data, not processed, and
I am expecting surprises.)

But, what units do you suppose those time values are in?
I can't find anything so far on the web page listed above
to tell me, and they don't seem to correspond to seconds,
which is what I thought they probably were initially.
Has anyone worked with data like this?

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")