
Subject: printf within time interval (also posted on exelisvis.com)

Posted by [justinclouds](#) on Sat, 24 Nov 2012 23:57:47 GMT

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I am fairly new to IDL and need some help with coding a specific task. I have a data file with time intervals that I read in from one text file (file A with i elements). For example, the time interval vectors are 'timestart' and 'timeend' and they each have the form `FLOAT = Array[1, 78]`. The times are in utc seconds. These two vectors form the time interval (i.e. `timestart[i]` and `timeend[i]` where `timestart[i] < timeend[i]`). I also read in another text file (file B with j elements). File B has a time vector 'time' of the form `FLOAT = Array[18295]` and also in utc seconds. I need to printf a binary value of 1 to a new text file when 'time' is between 'timestart' and 'timeend' and a binary value of 0 when 'time' is outside the time period identified by 'timestart' and 'timeend' for each value of `time[j]`. The objective is to identify when 'time' occurs between 'timestart' and 'timeend' by a binary 1 and 0 when it does not.

Any help with example code related to this task would be greatly appreciated!
