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Subject: i need to use this idl function. but how ?  
Posted by [Cibi Raj](#) on Fri, 19 Jun 2015 15:58:41 GMT  
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Hey i need to use a function called read\_wind\_mfi.pro

It is from WInd\_3dp libraries made for analysing data from Wind spacecraft by Dr. Lynn Wilson of Nasa.

The read\_wind\_mfi.pro is used to load the magnetic field data which I have stored in my directories.

```
;+
;*****
;
;
; FUNCTION : read_wind_mfi.pro
; PURPOSE  : Reads in 3-second Magnetic Field Instrument (MFI) data from
;           : the Wind spacecraft and returns a structure composed of the
;           : the GSE magnetic field, its magnitude, and the times
;           : associated with the data in seconds of day (default tag is in
;           : unix time).
;
; CALLS:
;       time_range_define.pro
;       read_cdf.pro
;       epoch2unix.pro
;       fix_bfield_data.pro
;
; REQUIRES:
;       1) UMN Modified Wind/3DP IDL Libraries
;       2) Wind 3s CDF files from CDAWeb
;          e.g. 'wi_h0_mfi_YYYYMMDD.cdf'
;
; INPUT:
;       NA
;
; KEYWORDS:
;       DATE   : [string] 'MMDDYY' [MM=month, DD=day, YY=year]
;       TRANGE : [Double] 2 element array specifying the range over
;               : which to get data structures [Unix time]
;*****
;
```

This is the notes given in the read\_wind\_mfi.pro and it should be called by

```
IDL> test = read_wind_mfi([arguments],KEYWORDS=[keywords])
```

this. Now I need to know what to put in the place of arguments and keywords ?

Can you please provide me an example of it , so i could just change the value and put it on IDL. ?

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