Description

Subroutine CARDRD reads one month of data from a DATACARD format time
series file.

The file must have been successfully opened using routine CARDLO.

If the requested data units do not match the units in the file the
data is converted.

All reading occurs in a sequential manner. If a requested month
falls outside the period of record for the file, missing data is
assigned for that month. This is only allowed if the missing data
flag is set to 1. If the requested month is after the start of the
file, months are read and ignored until the proper month is located.

Calling Sequence

CALL CARDRD (NTS,IUNIT,OFORMAT,IJMO1,IJMO2,CONVF1,CONVF2,ITIME,
            IRMONTH,IRYEAR,TSDATA,MFLAG,ISTAT)

Argument List

Argument	Input/ Output	Type	Dimension	Description
NTS	Input	I*4	1	Number of time series to read 1/
IUNIT	Input	I*4	1	Unit number for DATACARD file
OFORMAT	Input	A24	1	Format for reading DATACARD file records
IJMO1	Input	I*4	1	Julian month of first data value
IJMO2	Input	I*4	1	Julian month of last data value
CONVF1	Input	R*4	1	Multiplication factor for units conversion
CONVF2	Input	R*4	1	Addition factor for units conversion
ITIME	Input	I*4	1	Data time interval (units of HR)
IRMONTH	Input	I*4	1	Requested month
IRYEAR	Input	I*4	1	Requested year
TSDATA	Output	R*4	*	Time series data

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           Input/
 Argument   Output  Type   Dimension   Description

  MFLAG      Input   I*4        1       Missing data indicator

  ISTAT      Output  I*4        1       Status code
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Notes:

1/ Only one DATACARD file can be read in each call to this routine.