

IX.3.4B-RPD1SF SUBROUTINE RPD1SF

Description

Subroutine RPD1SF reads future data for one daily data type for station for a specified period.

Calling Sequence

CALL RPD1SF (ISTAID, IDTYPE, IDATYP, IFDAY, LDAY, LDATA, DATA, LENDAT, IDATES, LDFILL, IDELT, NVPDT, MSNG, ISTAT)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
ISTAID	Input	A8	1	Station identifier
		or I*4	1	Station number
IDTYPE	Input	I*4	1	Identifier type indicator: 0 = ISTAID is identifier 1 = ISTAID is number
IDATYP	Input	A4	1	Data type code requested <u>1</u> /
IFDAY	Input	I*4	1	Julian day of first day of data to be read <u>2</u> /
LDAY	Input	I*4	1	Julian day of last day of data to be read <u>2</u> /
LDATA	Input	I*4	1	Length of DATA (I*2 words)
DATA	Output	I*2	LDATA	Array containing data from IFDAY to LDAY (data that has more than one value per day will be organized as shown in note 3 for subroutine RPDDLTY)
LENDAT	Input	I*4	1	Length of IDATES (4-byte words, see subroutine RPD1FT to determine length needed)
IDATES	Input	I*4 or R*4	LENDAT	Work array
LDFILL	Output	I*4	1	Number of I*2 words filled in DATA

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
IDELT	Output	I*4	1	Data time interval for data type
NVPDT	Output	I*4	1	Number of data values per time interval for data type
MSNG	Output	I*2	1	Value on file for missing data for data type
ISTAT	Output	I*4	1	Status code: 0 = okay 1 = ISTAID not found 2 = data type not found 3 = no values on file within the period IFDAY to LDAY requested 4 = some dates from IFDAY to LDAY are not on file, at least one day was filled with missing data 5 = array DATA too small - LDATA values filled 6 = combination of statuses 4 and 5 7 = file read/write error

Notes:

1/ See note 1 under subroutine WPD1SF.

2/ Julian day specified is the day corresponding to the end of the 24 hour period in Z time for which data are stored.