SUBROUTINE TMEANM

Description

This subroutine calculates 6-hour mean temperatures for the
temperature stations that have only maximum/minimum data.

Calling Sequence

CALL TMEANM (MAXT,MINT,MINTP,MXMNP,MMXMNP,INSTP,MINSTP,DV,PTI,
            WTI,MEAN6,IPART,IFUT,MSNG)

Argument List

Argument	Input/ Output	Type	Dimension	Description
MAXT	I	I*2	1	Maximum daily temperature
MINT	I	I*2	1	Minimum daily temperature
MINTP	I	I*2	1	Minimum daily temperature for the previous day
MXMNP	I	I*2	MMXMNP	Maximum/minimum temperature pointer array
MMXMNP	I	I*4	1	Maximum length of the maximum/minimum pointer array
INSTP	I	I*2	MINSTP	Instantaneous temperature pointer array
MINSTP	I	I*4	1	Maximum length of the instantaneous pointer array
DV	I	R*4	MDV	Diurnal variation of 6-hour means array
PTI	I	R*4	(3,4)	Array containing the array locations of the pointers for 3 closest stations with instantaneous temperature data in each quadrant 1/
WTI	I	R*4	(3,4)	Array containing the weights for the closest stations with instantaneous temperature data
MEAN6	I	I*2	4	Array containing 6-hour mean temperature values

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                Input/
   Argument     Output    Type    Dimension    Description

   IPART          I        I*4        1         Partial day indicator:
                                                   0 = full day
                                                   1 = partial day

   IFUT           I        I*4        1         Future day indicator:
                                                   0 = regular day
                                                   1 = future day

   MSNG           I        I*2        1         Value used to indicate
                                                missing data


NOTE:

1/ Array location is the location of the pointers in the pointer array
   returned from the PPDB read routine RPPDLY for the data type TAVR.
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