

SUBROUTINE TMEANI

Description

This subroutine calculates 6-hour mean temperatures and diurnal variations for the stations with instantaneous temperature data.

Calling Sequence

CALL TMEANI (MAXT,MINT,ITP12,INSTT,NINST,IDT,MEAN6,DV,IPART,MSNG)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
MAXT	I	I*2	1	Maximum daily temperature
MINT	I	I*2	1	Minimum daily temperature
ITP12	I	I*2	1	Instantaneous temperature at the end of the previous day
INSTT	I	I*2	NINST	Instantaneous temperature values
NINST	I	I*4	1	Number of instantaneous temperature values
IDT	I	I*4	1	Time interval of the instantaneous temperature values
MEAN6	O	I*2	4	Array containing 6-hour mean temperature values
DV	O	R*4	4	Array containing diurnal variation values for the 6-hour means computed using: $DV(I) = \frac{MEAN6(I) - MINT}{MAXT - MINT}$
IPART	I	I*4	1	Partial day indicator: 0 = full day 1 = partial day
MSNG	I	I*2	1	Value used to indicate missing data