

IX.4.3C-TEMP PREPROCESSOR PARAMETRIC DATA BASE PARAMETER ARRAY TEMP:
STATION TEMPERATURE PARAMETERS

Purpose

Parameter array TEMP contains station parameters used by the Mean Areal Temperature (MAT) Preprocessor Function.

Array Contents

<u>Starting Position</u>	<u>Dimension</u>	<u>Type</u>	<u>Input/Generated</u>	<u>Description</u>
1	1	I*4	G	Parameter array version number
2	1	A8	I	Station identifier
4	1	I*4	I	Station number
5	1	A20	I	Description
10	1	I*4	I	Indicator as to which types of temperature data are observed by station: 1 = maximum/minimum only 2 = instantaneous only 3 = maximum/minimum and instantaneous 4 = none; synthetic station
11	1	I*4	I	Mountainous indicator: 0 = non-mountainous 1 = mountainous
12	2	R*4	I	Maximum and minimum correction factors; units of DEGF <u>1</u> /
14	1	I*4	I	Indicator whether station has Forecast maximum/minimum temperature data: 0 = no 1 = yes
15	1	R*4	G	Elevation weighting factor (Fe); units of KM/1000M
16	1	I*4	G	Indicator whether NETWORK has been run on this station and whether it can be assigned to a MAT area: 0 = no; can not use in an MAT area 1 = run previously; can not

<u>Starting Position</u>	<u>Dimension</u>	<u>Type</u>	<u>Input/Generated</u>	<u>Description</u>
				use in a new MAT area 2 = yes; can use in an MAT area
17	1	I*4	G	Array location of mean monthly maximum/minimum temperatures <u>2</u> /
18	(3,4)	I*4	G	Array location of pointers for 3 closest stations with maximum/minimum temperature data in each quadrant <u>3</u> /
30	(3,4)	R*4	G	Weights for stations with maximum/minimum temperature data
42	(3,4)	I*4	G	Array location of pointers for closest stations with instantaneous temperature data in each quadrant <u>4</u> /
54	(3,4)	R*4	G	Weights for stations with instantaneous temperature data
66	(2,4)	I*4	G	Array locations of pointers for 2 closest stations with forecast temperature data in each quadrant <u>5</u> /
74	(2,4)	R*4	G	Weights for stations with forecast temperature data
82	1	I*4	I	Time interval of instantaneous temperature data: 0 = instantaneous data not used
83	1	A2	I	Postal Service 2-character state identifier
84	1	R*4	G	Unused

Notes:

- 1/ There are either 0 or 2 correction factors. Undefined correction factors are stored as -999.
- 2/ Array location is the location of the pointers in the pointer array returned from the Preprocessor Parametric Data Base routine RPPMT.
- 3/ Array location is the location of the pointers in the pointer array returned from the Preprocessor Data Base routine RPDDL for the

data type TM24.

- 4/ Array location is the location of the pointers in the pointer array returned from the Preprocessor Data Base RPDDL_Y for the data type TAVR.
- 5/ Array location is the location of the pointers in the pointer array returned from the Preprocessor Data Base routine RPDDL_Y for the data type TF24.