

IX.4.3C-MAPS PREPROCESSOR PARAMETRIC DATA BASE PARAMETER ARRAY MAPS:  
MEAN AREAL PRECIPITATION (MAP) STATION PARAMETERS

Purpose

Parameter array MAPS contains station parameters used to compute Mean Areal Precipitation (MAP) for an area.

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	MAP area identifier
4	2	R*4	I or G	Centroid of area; NWSRFS/HRAP coordinates stored as (X,Y)
6	1	R*4	G	Radius of influence (NWSRFS/HRAP coordinate distance) <u>1/</u>
7	1	I*4	G	Record number of MAP area parameter record
8	1	I*4	G	Number of words reserved for Nonuniversal HCL Techniques (NTECH) <u>2/</u>
9	1	R*4	G	Unused
10	1	I*4	G	Indicator whether basin boundary referenced in MAP parameter record (IBASN): 0 = not defined 1 = defined
11	1	I*4	I or G	Number of stations used for time distribution (NSTWT): 4 = 1/D**2 weights >10 = predetermined or 1/D**POWER weights
12	1	I	G	Number of stations used to compute MAP (NPCPN) <u>2/</u>
13	1	I	I or G	Number of MDR boxes for this area (NBOX): 0 = do not use MDR
14	NTECH	I*4	G	Values of non-universal

Starting Position	Dimension	Type	Input/ Generated	Description
Techniques:				
(1) = indicates whether MAP values are to be computed from MDR				
(2) = indicates whether MAP time distribution values are to be computed from MDR				
(3)-(5) not used				
14+NTECH	NSTWT	I*4	G	Array location of pointers for 6 hour stations used for timing <u>3/</u>
14+NTECH +NSTWT	NPCPN	I*4	G	Array location of pointers for 24 hour stations used to compute MAP <u>4/</u>
14+NTECH +NSTWT +NPCPN	NBOX	I*4	I or G	MDR boxes assigned to this area
14+NTECH +NSTWT +NPCPN +NBOX	8	R*4	I	Latitude/longitude pairs defining subset of MDR grid: <u>5/</u> pair 1 = upper left corner pair 2 = upper right corner pair 3 = lower right corner pair 4 = lower left corner

Notes:

- 1/ Zero or less than zero if predetermined weights being used. Used for processing stranger stations.
- 2/ No maximum value.
- 3/ Array location is the location of the data pointers in the pointer array returned from the Preprocessor Data Base read routine RPDDLY for data type PPVR.
- 4/ Array location is the location of the pointers in the pointer array returned from the Preprocessor Data Base read routing RPDDLY for data type PP24.
- 5/ Defined only if basin boundary not referenced in MAP parameter record (IBASN=0).