IX.4.3C PREPROCESSOR PARAMETRIC DATA BASE PARAMETER ARRAY CONTENTS

This Section describes the contents of the Preprocessor Parametric Data Base parameter arrays stored in parameter records.

The parameter arrays described are:

Type	Group	Contents
ASSM	Other	Assimilation Operation parameters [Hyperlink]
BASN	Basin	Basin boundary parameters [Hyperlink]
CHAR	Special	Station precipitation characteristics 2/
FFG	Other	Flash Flood Guidance Operation parameters [Hyperlink]
FMPO	Computational Order	Future Mean Areal Precipitation computational order 1/ [Hyperlink]
GENL	Station	Station general parameters [Hyperlink]
MAP	Areal	Mean Areal Precipitation area parameters [Hyperlink]
MAPE	Areal	Mean Areal Potential Evaporation area parameters [Hyperlink]
MAPS	Areal	Mean Areal Precipitation station parameters [Hyperlink]
MAPX	Areal	NEXRAD Mean Areal Precipitation area parameters [Hyperlink]
MAT	Areal	Mean Areal Temperature area parameters [Hyperlink]
MMMT	Special	Station mean monthly maximum/minimum temperatures 2/
MPCO	Computational Order	Mean Areal Precipitation Carryover Group computational order [Hyperlink]
MPFO	Computational Order	Mean Areal Precipitation Forecast Group computational order [Hyperlink]
MXCO	Computational Order	NEXRAD Mean Areal Precipitation computational order [Hyperlink]
NTWK	General	Indicators for NETWORK command 1/ [Hyperlink]

Type	Group	Contents
OE24	Alphabetical Order	Potential evaporation alphabetical order 1/ [Hyperlink]
OP24	Alphabetical Order	24 hour precipitation station alphabetical order 1/ [Hyperlink]
OPVR	Alphabetical Order	Less than 24 hour precipitation station alphabetical order 1/ [Hyperlink]
ORDR	Computational Order	General Computational order information 1/ [Hyperlink]
ORRS	Alphabetical Order	River, reservoir and snow station alphabetical order 1/ [Hyperlink]
OT24	Alphabetical Order	24 hour maximum/minimum temperature station alphabetical order 1/ [Hyperlink]
PCPN	Station	Station precipitation parameters [Hyperlink]
PE	Station	Station potential evaporation parameters [Hyperlink]
RRS	Station	Station river, reservoir and snow parameters [Hyperlink]
STBN	General	State boundary parameters 1/ [Hyperlink]
TEMP	Station	Station temperature parameters [Hyperlink]
USER	General	User general parameters 1/ [Hyperlink]
URRS	General	User river, reservoir and snow parameters 1/ [Hyperlink]
XGRD	Other	NEXRAD Mean Areal Precipitation area HRAP grid points [Hyperlink]

The following information is included for each parameter array:

- Purpose
- Array Contents
  - full word starting location of each variable in array
  - dimension of each variable
  - type of each variable 3/

- An = n byte Alphanumeric
- I*2 = 2 byte Integer
- I*4 = 4 byte Integer
- R*4 = 4 byte Real

o indicator as to whether each variable is input by user or generated by the Preprocessor Component Initialization Program (PPINIT - see Section VI.3.3 [Hyperlink])

The first word in each parameter array is the parameter array version number. This number is used to indicate to the software using the array the format of the parameters in the array. The version number is changed whenever the structure of the array is changed.

Notes:

1/ These parameter types differ from the others because there is only one parameter record. All other parameter types can have more than one parameter record.

2/ These are special parameters types that cannot be accessed using the same routine (RPPREC - see Section IX.3.6B-RPPREC [Hyperlink]) used to access regular parameter types.

The parameter type CHAR can be read using the routines RPPCHR (see Section IX.3.6B-RPPREC [Hyperlink]) and RPP1CH (see Section IX.3.6B-RPP1CH [Hyperlink]).

The parameter type MMMT can be read using the routines RPPMT (see Section IX.3.6B-RPPMT [Hyperlink]) and RPP1MT (see Section IX.3.6B-RPP1MT [Hyperlink]).

3/ All variables are stored in the parameter array as real numbers, except I*2 variables. The type indicated is the variable type before it is stored in the array. Real and character variables are stored with no conversion. Integer variables greater than zero have .01 added when they are stored. Integer variables less than zero have .01 subtracted when they are stored. INTEGER*2 variables are stored by moving the actual I*2 bytes into the parameter array.