IX.4.3B-PPPPARMn PREPROCESSOR PARAMETRIC DATA BASE FILE PPPPARMn

Purpose

Files PPPPARMn contain the Preprocessor Parametric Data Base parameter records.

Description

ATTRIBUTES: fixed length 64 byte binary records

RECORD STRUCTURE:

Variable	Type	Dimension	Word Position	Description
The first record in the file is a file control record:				
MAXREC	I*4	1	1	Maximum records
LASTRC	I*4	1	2	Last record used
NUMPRM	I*4	1	3	Number of parameter records in file
			4+	Unused
The remaining records in the file are the Parameter Records.				
For regular parameter types:				
NWRDS	I*4	1	1	Number of words in record
ID	A8	1	2-3	Identifier
ITYPE	A4	1	4	Parameter type
IRECNX	I*4	1	5	Record number of next parameter record of this type
PARMS	R*4	NWRDS-5	6+	Parameters
For special parameter types: 1/				
Special parameter type control record: 2/				
NWORDS	I*4	1	1	Number of words in control record
FTYPE	I*4	1	2	Record number of first entry
NTYPER	I*4	1	3	Number of records for each entry

Variable	Type	Dimension	Word Position	Description
NTYPES	I*4	1	4	Number of values per entry
TYPE	A4	1	5	Parameter type
NENTRY	I*4	1	6	Number of entries per station
NSTAS	I*4	1	7	Number of stations defined
MAXSTA	I*4	1	8	Maximum number of stations
NXTSTA	I*4	1	9	Last station slot used
Special parameter type record: 3/				
PARMS	I*4	?	1	Special parameters 4/

Notes:

1/ Special parameter types have records that hold the same information for each station (or other entity) for each month (or other key). For these types space is reserved for all possible entries when the files are created. These records are for station precipitation characteristics (CHAR) and mean monthly maximum/minimum temperatures (MMMT) which are stored by month for all stations.

2/ This record design is flexible and can accept additional special parameter types if necessary. This record provides the information needed to compute the record number needed for a special parameter type and will precede the set of special parameter records. By using that first record of the type and the number of physical records for each entry the record for the appropriate month (or other key) is computed. The Parameter Type Directory points to this record for CHAR and MMMT.

Any previously deleted station slots will be reused before using the next available slot.

3/ The special parameter type records immediately follow the special parameter type control record.

4/ If the special parameter type is 'CHAR' then the values stored are in units of hundredths of an IN.

If the special parameter type is 'MMMT' then the values stored are in units of tenths of DEGF.