IX.3.4A   INTRODUCTION TO THE PREPROCESSOR DATA BASE READ/WRITE SOURCE
           CODE DESCRIPTION

Purpose

The Preprocessor Data Base (PPDB) [Hyperlink] can be accessed using
the Preprocessor Data Base read/write routines.

The PPDB is used primarily to store observed data values from
individual stations.

Forecast or predicted station values can also be stored for certain
data types.

Gridded data such as Manually Digitized Radar (MDR) can also be
stored.

The PPDB is the source of data for the Operational Forecast Program
Preprocessor Functions (MAP, MAT, MAPE, MARO and RRS).

Tables 1 through 5 list the data types stored in the PPDB for each
Preprocessor.

See Section IX.3.4B-RPDDLY [Hyperlink] for the units of daily data
types stored in the PPDB.

See Chapter IX.4-RRSTYPE2 [Hyperlink] for the units of RRS data types
stored in the PPDB.

Table 1. Data Types Stored in the PPDB for the MAP Preprocessor

Data Type	Data Code	Method for Retrieval
24 hour precipitation	PP24	By day for all stations
6 hour precipitation	PP06	By day for all stations with less than 24 hour precipitation
3 hour precipitation	PP03	
1 hour precipitation	PP01	
6 hour MDR values	MDR6	By day for all MDR boxes in subset of national MDR grid which falls in RFC area
Stranger Reports	PPSR	By day for all Stranger Reports in user area

Table 2. Data Types Stored in the PPDB for the MAT Preprocessor

Data Type	Data Code	Method for Retrieval
24 hour max/min temp	TM24	By day for all stations
24 hour min temp	TN24	
24 hour max temp	TX24	
6 hour instantaneous temp	TA06	By day for all stations with less than 24 hour temperature data
3 hour instantaneous temp	TA03	
1 hour instantaneous temp	TA01	
Forecast max/min temp	TF24	By day for all stations with forecast temperature data
Forecast min temp	TFMN	
Forecast max temp	TFMX	

Table 3. Data Types Stored in the PPDB for the MAPE Preprocessor

Data Type	Data Code	Method for Retrieval
PE data including:	EA24	By day for all stations
Ta (air temp)	TA24	
Td (dew point temp)	TD24	
wind	US24	
sky cover	RC24	
percent sunshine	RP24	
solar radiation	RI24	

Table 4. Data Types Stored in the PPDB for the MARO Preprocessor

Data Type	Data Code	Method for Retrieval
24 hour precipitation	PP24	By day for all stations
6 hour precipitation	PP06	By day for all stations with less than 24 hour precipitation
6 hour MDR values	MDR6	By day for all MDR boxes in subset of national MDR grid which falls in the RFC area
Satellite precipitation estimates	PPST	By day for all grid points with data
Antecedent precipitation index	APIG	By day for all grid points
Grid point precipitation	PG24	Written by day for all grid points

Table 5. Data Types Stored in the PPDB for the RRS Preprocessor

See Section VI.3.3B-DEFINE-STATION.