Purpose

Command DUMPPP24 prints summaries for 24-hour precipitation data
stored in the Preprocessor Data Base.

Options allow for:

o sorting the list by precipitation quantity, station identifier,
  station description and state

o listing only those summaries exceeding a specified threshold
  quantity

o selecting observed only or observed and estimated values

o displaying time of observation offsets in any time zone

Input Data

    Card   Field   Format   Contents

     1   1   '@DUMPPP24'

             2   A   Beginning date (optional) 1/

             3   A   Ending date (optional) 1/

     2+   1+   A   Options 2/

    Last   1   'END'

Notes:

1/ If the beginning date is not specified the last 7 days of data
   will be processed.

   If the ending date is not specified 1 day of data will be
   processed.

   If an hour is entered the hydrologic day ending at 12Z on the date
   entered is assumed regardless of the hour given. The date format
   is given in Section VI.5.2B.

2/ Uppercase options indicate that the option is entered as listed.
   Lowercase options indicate that a value must be entered. Options
   can be entered on the same or different lines and in any order.
   If conflicting options are entered the last one specified will be
   used.

   The options are:

        Option Category   Option   Description

Option Category	Option	Description
Major Sort	STATE	Station display is grouped by 2-character state identifiers. States are sorted alphabetically. Default is for not state grouping, that is, the entire set of stations for the user are in a single group.
Minor Sort	QUANTITY	Summaries sorted by descending quantity (this is the default if STATE is not entered).
	ID	Summaries sorted alphabetically by the 8-character station identifier (this is the default of QUANTITY is selected and applies to the sorting of stations with identical summary values).
	DESC	Summaries sorted alphabetically by the 20-character station description (this is the default if STATE is selected). If used in conjunction with QUANTITY, equal valued summaries are sorted by description.
Summary Content	OBSONLY	Only observed precipitation values used in the creation of the summaries (no estimated values allowed).
	ALL	Both observed and estimated precipitation values are used to construct the summary values (this is the default if neither of these options is entered).
Threshold Limit	(xx.xx)	This value sets the lower threshold for the display of the summary value. Summaries less than this value will not be shown. The value supplied can be real or integer, and the parentheses are optional. The default is to show all summaries.
Time Zone Display	tzc	The time zone code used for display. Any valid time zone code is allowed. The default is Z.

Option Category	Option	Description
Time Offset	HR	The hour of report for each daily summary will be displayed if the hour does not coincide to a 12Z reporting time. The hour will coincide with the time zone selected for display. The default is to not show the non-12Z hour of report.

Examples

The following example will print the last 7 days of data for all stations with both observed and estimated values used to compute the summaries, the stations sorted by description, all summaries shown, the time zone is Z and no differing reporting times noted.

```
@DUMPPP24
 END
```

The following example will print data from 6 days before today through today with the stations grouped by state, sorted by station identifier within each state, only observed values used for summary computations, reporting time offsets shown when occurring and the time zone code displayed is Eastern Standard time.

```
@DUMPPP24 *-6  *
 STATE ID
 OBSONLY
 HR EST
 END
```

The following example will print data for the most recent 7 days with only those summaries exceeding 0.05 inches shown, the summaries sorted by descending quantity within each state, equal valued summaries sorted by station description and both observed and estimated values used.

```
@DUMPPP24
 STATE QUANTITY DESC 0.05
 END
```