

VI.5.3C-SAVEDATE PROGRAM FCST SAVE CARRYOVER DATE FUNCTION (SAVEDATE)

Purpose

Function SAVEDATE is a utility Function that saves (protects) a date of carryover on the Forecast Component files.

Function SAVEDATE is used in conjunction with the FREEDATE Function which frees (un-protects) a date of carryover.

There are a fixed number of slots available to hold dates of carryover on the Forecast Component files. Carryover is stored in these slots whenever a save carryover run is made with the Forecast Component. The slots are assigned by first filling any unused slots. When all slots are in use the slot holding the oldest date of carryover is assigned to any new carryover to be saved, thereby destroying that oldest carryover. If a date of carryover is protected (with Function SAVEDATE) it is not available to be assigned to a new date of carryover. Only the remaining unprotected slots can be used to hold the new carryover dates. When a date has been protected it will not be overwritten with a new date of carryover but it can be updated if it is within the period of a save carryover run.

After a while the data on the Processed Data Base (PDB) will no longer include the date of carryover previously protected. In order to return this slot to the available pool of carryover slots Function FREEDATE must be used.

HCL Input

Input to Function SAVEDATE is through the Hydrologic Command Language (HCL).

The input consists of Techniques and their Arguments (see Section VI.5.3C-SAVEDATE-TECH [[Hyperlink](#)]).

Sample HCL Input

The following example will save (protect) the carryover date for 06/06/1982 for Carryover Group TULSARFC. Both Techniques SAVEDATE and SAVECGRP must be specified.

```
@SETOPTIONS
  SAVEDATE 062682
  SAVECGRP TULSARFC
@COMPUTE SAVEDATE
@STOP
```

Output

There are two types of output from Function SAVEDATE. The first is

printer output describing which carryover date has been saved, or messages if any errors occurred. The second output is to the Forecast Component files changing values on the files and thereby saving the date of carryover.

Error Messages

Error and warning messages printed by Function SAVEDATE are described in Section VI.3.3C-SAVEDATE-ERROR [[Hyperlink](#)].