VI.5.3E   DAYLIGHT SAVINGS AND STANDARD TIME CHANGE

Because of the change to daylight savings time in April and to
standard time in October users of programs FCST and IFP who are using
a time zone code that is other than Z time should be aware of the
following:

1. The change in the time zone code affects the following aspects of
    the Operational Forecast System:

        o input of information
        o display of information
        o default run dates for program IFP

    A. Each user is responsible for changing the default time zone
        code. This is the time zone used if no time zone is specified
        when a date in the format MMDDYYHH is input.

        The program FCST HCL command SETUPARM (see Section VI.5.2C
        [Hyperlink]) can be used to change the time zone code.

        For example the following input would be used to change to a
        time zone of Eastern daylight time:

            @SETUPARM TZC EDT

    B. The daylight savings Technique (NOUTDS) must be changed to:

        o zero (0) for standard time
          or
        o one (1) for daylight savings time

        for the following Global Functions:

            o FCEXEC
            o ESP
            o MAP
            o FMAP
            o MARO
            o MAT
            o MAPE
            o RRS
            o CGSTATUS
            o PRINTOPS

    C. To change from standard time to daylight savings time run
        program FCST using the following input:

            @NONFCST
            $
            $ SET GLOBAL DEFAULT FOR DAYLIGHT SAVING SWITCH
            $ ON FOR THE PERIOD APRIL THRU OCTOBER
            @SETGDFLT FUNCTION FCEXEC   HSD NOUTDS(1)
            @SETGDFLT FUNCTION CGSTATUS HSD NOUTDS(1)

```
          @SETGDFLT FUNCTION PRINTOPS HSD NOUTDS(1)
          @SETGDFLT FUNCTION ESP      HSD NOUTDS(1)
          @SETGDFLT FUNCTION MAT      HSD NOUTDS(1)
          @SETGDFLT FUNCTION MAP      HSD NOUTDS(1)
          @SETGDFLT FUNCTION FMAP     HSD NOUTDS(1)
          @SETGDFLT FUNCTION MAPE     HSD NOUTDS(1)
          @SETGDFLT FUNCTION RRS      HSD NOUTDS(1)
          @SETGDFLT FUNCTION MARO     HSD NOUTDS(1)
          $
          $ SET TIME ZONE CODE
          @SETUPARM TZC EDT DISPLAY
          $
          @STOP

     To change from daylight savings time to standard time run
     program FCST using the following input:

          @NONFCST
          $
          $ SET GLOBAL DEFAULT FOR DAYLIGHT SAVING TECHNIQUE
          $ OFF FOR THE PERIOD OCTOBER THRU APRIL
          @SETGDFLT FUNCTION FCEXEC   HSD NOUTDS(0)
          @SETGDFLT FUNCTION CGSTATUS HSD NOUTDS(0)
          @SETGDFLT FUNCTION PRINTOPS HSD NOUTDS(0)
          @SETGDFLT FUNCTION ESP      HSD NOUTDS(0)
          @SETGDFLT FUNCTION MAT      HSD NOUTDS(0)
          @SETGDFLT FUNCTION MAP      HSD NOUTDS(0)
          @SETGDFLT FUNCTION FMAP     HSD NOUTDS(0)
          @SETGDFLT FUNCTION MAPE     HSD NOUTDS(0)
          @SETGDFLT FUNCTION RRS      HSD NOUTDS(0)
          @SETGDFLT FUNCTION MARO     HSD NOUTDS(0)
          $
          $ SET TIME ZONE CODE
          @SETUPARM TZC EST DISPLAY
          $
          @STOP
```

The TZC code on command @SETUPARM should be set to the one appropriate for the user's area.

To check if the changes were made run program FCST using the following input:

```
          @NONFCST
          @DUMPSYS FUNCTION GLOBAL
          @STOP
```

Check the output file for the correct value of NOUTDS.

2. The default for the current hydrologic day is obtained from the local computer system clock.

   The clock change may be done automatically by the computer system. The system clock should be checked to see if it is correct.

To be sure that the proper hydrologic day is specified for any program FCST run made between 12 PM Saturday and 6 AM Sunday the @SETTODAY command can be used during that period.