INTIRP

January 22, 2008

1 PURPOSE:

INTERP allows the user to specify a new time interval for an existing time series. The program then interpolates, using a cubic spline fit of the input series’ values to determine a new time series with the new time interval. The start time of the interpolated series can be specified by the user, as long as it is greater than or equal to the start time of the original series.

2 EXECUTION:

OK, INTIRP

"INTERP: (DAY) (TIME)"
"LAST UPDATE: (DATE)"

"TO TERMINATE PROGRAM - ENTER TWO ($$) DOLLAR SIGNS WHEN ASKED FOR A FILE NAME"

"DO YOU WISH THE LIST OPTION"
"ANSWER Y OR N"

If Y: consult the write-up on the LIST OPTION.

"ENTER INPUT FILE NAME:"

- enter a file name or $$ to stop the program.

**(Input file header is now printed out)

"ENTER OUTPUT FILE NAME:"

1
- enter file name or $$ to return to the 
  beginning of the program.

"ENTER NEW START TIME"

- enter new start time, if desired; 
  otherwise enter original start time.

"OLD INCREMENT IS ___________ NEW INCREMENT:"

- enter new increment

**(The output file header along with the first five values 
  and last five values of the series are now printed out.)

"ENTER INPUT FILE NAME:"

- enter another file name or $$ to stop program.

3 OUTPUT:

The interpolated series is stored on disk in OCEAN FORMAT.