Description

Subroutine EACTIM calculates the start and end times for the accumulation and then calls the appropriate accumulator subroutine.

Calling Sequence

CALL EACTIM (D,LD,A,LOCA,NVAR,IDLOOP,JWIND,NVAL,NYRS,KNTYR,TSID,
             DTYPE,IDT,NPDT,ITSCAL,IVALUE,CO,KODE,VALUE,IHZERO,
             WORK,MAXW,IFLAG)

Argument List

Argument	Input/ Output	Type	Dimension	Description
D	Input	R*4	MD	Array D
LD	Input	I*4	1	The first location of the time series in array D array
A	Input	R*4	MA	Array A
LOCA	Input	I*4	1	The location in array A of the value to be accumulated
NVAR	Input	I*4	1	Indicator for the output variable type: 1 = maximum mean daily value 2 = minimum mean daily value 3 = average mean daily value 4 = cumulative value 5 = maximum instantaneous value 6 = minimum instantaneous value 7 = number of days to a value 8 = number of days greater than or less than a value
IDLOOP	Input	I*4	1	First Julian day of the current historical year loop
JWIND	Input	I*4	1	Index of the current window
NVAL	Input	I*4	1	Number of values needed in the A array for each output variable for each historical year
NYRS	Input	I*4	1	Total number of historical years

	Input/			
Argument	Output	Type	Dimension	Description
				to analyze
KNTYR	Input	R*4	1	Count of the historical year being simulated (eg. the current historical year minus the first historical year)
TSID	Input	R*4	2	Time series identifier
DTYPE	Input	R*4	1	Time series data type
IDT	Input	I*4	1	Time series data time interval
NPDT	Input	I*4	1	Number of values per data time interval
ITSCAL	Input	A4	1	Time scale of the time series
IVALUE	Input	I*4	1	Value of interest (used only for multi-valued time series)
CO	Input	R*4	1	Accumulator carryover value
KODE	Input	I*4	1	Code needed for output variables NDIS and NDTO: ±1 = greater than criteria value ±2 = less than criteria value (negative value of KODE indicates that time series values must be converted to mean daily values)
VALUE	Input	R*4	1	Criteria value for output variables NDIS and NDTO
IHZERO	Input	I*4	1	First hour of time series to be accumulated minus the time series time step
WORK	Input	R*4	MAXW	Work array
MAXW	Input	I*4	1	The maximum length array WORK
IFLAG	Output	I*4	1	Indicator whether or not to save accumulator carryover: 0 = do not save carryover 1 = save carryover