

## IX.6.2-SYSTEM-EVAC01 SUBROUTINE EVAC01

### Description

Subroutine EVAC01 is the first accumulator routine.

It finds the maximum mean daily value for a time series and the number of days to that maximum. Mean daily values are computed for any time interval or time scale of the time series.

### Calling Sequence

CALL EVAC01 (a,b,c,d,e,f,g,h,i,j,k,l,m,n,o,p,q,r,s)

### Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
a	Input	I*4	1	First Julian day to be accumulated
b	Input	I*4	1	First Julian hour to be accumulated
c	Input	I*4	1	Last Julian day to be accumulated
d	Input	I*4	1	Last Julian hour to be accumulated
e	Input	R*4	*	Array D containing the time series data
f	Both	R*4	*	Accumulator array; the first element is the maximum mean daily value and the second element is the number of days to that maximum
g	Input	I*4	1	Number of days already accumulated for this time series
h	Input	I*4	1	Number of hours already accumulated for this time series
i	Input	A8	1	Time series identifier
j	Input	A4	1	Time series data type code
k	Input	I*4	1	Time series data time interval
l	Input	I*4	1	Number of values per time

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
				interval
m	Input	A4	1	Time series time scale code
n	Input	I*4	1	Value of interest (needed for multi-valued time series)
o	Both	R*4	1	Carryover value containing the sum of the data for the last day If computations ended at hour 24, then this value is reset to zero.
p	Input	I*4	1	Output variable option (not used)
q	Input	R*4	1	Cutoff level for output variable (not used)
r	Input	R*4	*	Work space array
s	Input	I*4	1	Length of work space array