

IX.3.2B-SYSTEM-QMEAN SUBROUTINE QMEAN

Description

Subroutine QMEAN converts mean data into a time series.

Calling Sequence

CALL QMEAN (STAID, DTYPE, INTVAL, UNITIN, UNITOT, NCOUNT, F HOUR, LWORK,
WORK, LWKBUF, IWKBUF, LTSDAT, TSDAT, JHOUR, NSTEP, IREC, IMISS,
INTERP, EXTRP, LERDTP, ERDTP, NERDTP)

Argument List

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
STAID	Input	A8	1	Station identifier
DTYPE	Input	A4	1	Data type code
INTVAL	Input	I*4	1	Data time interval
UNITIN	Input	R*4	1	Input data units code
UNITOT	Input	R*4	1	Output data units code
NCOUNT	Input	I*4	1	Number of observations times the number of values per observation
F HOUR	Input	I*4	1	Julian hour of first observed data value
LHOUR	Input	I*4	1	Julian hour of last observed data value
LWORK	Input	I*4	1	Length of array WORK
WORK	Input	R*4	LWORK	Array containing hourly mean data
LWKBUF	Input	I*4	1	Length of array IWKBUF
IWKBUF	Input	R*4	LWKBUF	Work array
LTSDAT	Output	I*4	1	Length of array TSDAT
TSDAT	Output	R*4	LTSDAT	Array containing time series data
JHOUR	Output	I*4	1	Julian hour of first data value in array TSDAT
NSTEP	Output	I*4	1	Number of values in array TSDAT

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
IREC	Input	I*4	1	Record number of time series in Processed Data Base
IMISS	Input	I*4	1	Missing allowed indicator: 0 = yes 1 = no
INTERP	Input	I*4	1	Interpolation option: 0 = retain previous value 1 = interpolate
EXTRP	Input	R*4	1	Recession constant
LERDTP	Input	I*4	1	Length of array ERDTP
ERDTP	Input	A4	1	Array of data types that had errors
NERDTP	Input	I*4	1	Number of data types in array ERDTP