

COMMON BLOCK NAME: OSTATS

Purpose

Contains most of the statistical variables necessary to carry out the computations in the OPSTAT subroutine.

Listing

COMMON/OSTATS/NCASES, SUMS, SUMO, SS2, SO2, SOS, SDIFF2, VDIFF, SUMTS, SUMTO, RMOD,HMLNUM,HMLDEN

Size

13 words

Variable Descriptions

<u>Variable</u>	<u>Type</u>	<u>Dimension</u>	<u>Word Position</u>	<u>Description</u>
NCASES	I*4	1	1	Number of time intervals in computational period
SUMS	R*4	1	2	Sum of the simulated mean daily discharge within the computational time period
SUMO	R*4	1	3	Sum of the observed mean daily discharge within the computational time period
SS2	R*4	1	4	Sum of the squares of the simulated mean daily discharges within the computational time period
SO2	R*4	1	5	Sum of the squares of the observed mean daily discharges within the computational time period
SOS	R*4	1	6	Sum of the product of the observed mean daily discharge (mm) times the respective simulated mean daily discharge. Associated with optimization criterion no. 5.
SDIFF2			7	Not referenced
VDIFF	R*4	1	8	Sum of the absolute differences between corresponding values of observed and simulated discharges (CMSD) raised to the exponent specified (card B2) for the optimization criterion. Associated with optimization criterion no. 2.
SUMTS	R*4	1	9	Sum of the simulated mean daily discharge within the computational time period NCASES-1. Associated with optimization criterion no. 2.
SUMTO	R*4	1	10	Sum of the observed mean daily discharge within the computational time period NCASES-1. Associated with optimization criterion no. 2.
RMOD	R*4	1	11	Modified correlation coefficient.
HMLNUM	R*4	1	12	Numerator in the calculation of the Maximum Likelihood Estimator.
HMLDEN	R*4	1	13	Denominator in the calculation of the Maximum Likelihood Estimator.