

IX.6.2-SYSTEM-EGOPLT SUBROUTINE EGOPLT

Description

Subroutine EGOPLT is the execution subroutine for the frequency plot.

It prints header information, the plot itself and a box describing the plotting symbols.

Calling Sequence

CALL EGOPLT (ISAMP, NUMT, IP, IPP, XSS, IDIST, IDTS, NVAR, HEAD,
VARNAM, IWIND, TDSP, KODE, VALUE, UNITS)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
ISAMP	Input	I*4	1	Indicator whether the sample points are to be plotted (ISAMP=1) or whether only the fitted distribution is to be plotted (ISAMP#1)
NUMT	Input	I*4	1	Number of time series to be plotted
IP	Input	I*4	6x51	Plot positions for fitted time series
IPP	Input	I*4	6x51x3	Plot positions for sample time series
XSS	Input	R*4	1	Smallest value of the plot
XLL	Input	R*4	1	Largest value of the plot
IDIST	Input	I*4	1	Indicator of fitting distribution: 1 = empirical 2 = log-normal 3 = normal
IDTS	Input	I*4	5	Indicator for type of time series for time series to be plotted
NVAR	Input	I*4	1	Indicator for type of output variable
HEAD	Input	A20	1	User specified header information

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
VARNAM	Input	A8	1	Run identifier
IWIND	Input	I*4	1	Sequence index for statistics window; determine location of statistics window parameters in the ETIME array
TDSP	Input	R*4	*	Time series information used for the header (type of time series, time series identifier, etc.)
KODE	Input	I*4	1	Indicator whether above (KODE=1) or below (KODE=2) was specified for the output variables number of days above/below a value
VALUE	Input	R*4	1	Data value
UNITS	Input	A*4	1	Time series data units