Purpose

MOD UHGADJ sets keywords and values to specify the horizontal and vertical adjustment factors which are used to change the unit hydrograph ordinates.

These ordinates are scaled so that volume is conserved with the old unit hydrograph. The number of unit hydrograph ordinates is not changed with this MOD. The entire observed data period must be within the period specified on the command card for the MOD to be in effect.

Format

Use Format B2 with one date on the command card.

.UHGADJ date [ FGROUP ]
identifier keyword value [ / opname ]

where date is the date
keyword is:
  o HADJ or H - the value that follows is the horizontal adjustment factor
  o VADJ or V - the value that follows is the vertical adjustment factor
value is the value

Keyword and value can be repeated.

If date is the same as Technique LSTCMPDY then the MOD is enabled.

Example

In this example the shape of the unit hydrograph is changed by entering vertical and horizontal adjustment factors. The ordinates are scaled so that the sum of the ordinates for the temporary unit hydrograph is the same as for the permanent one. If a vertical or horizontal adjustment factor is not entered then it is assumed to be one. The valid ranges for adjustment factors are from 0.7 to 5.0 for vertical adjustments and from 0.2 to 5.0 for horizontal adjustments.

.UHGADJ 1201
WTTO2 VADJ 1.2 HADJ 0.85