IX.6.1-SYSTEM-A EXTENDED STREAMFLOW PREDICTION INTERNAL ARRAY A

Function

The A array stores the accumulated value of the output variables for each year for the requested time series.

It is filled during the computation of Function ESP [Hyperlink] and is not stored on the parametric file.

Listing

DIMENSION A(MA)

Contents

The A array contains the following information for each output variable that is defined for the segment. If time series 1 is simulated and time series 2 is observed with the historical, adjusted and base period switches turned on the array is organized:

```
Output variable 1
    Historical simulated time series 1
        Window 1
            Accumulated value year 1
              .
              .
              .
            Accumulated value year NYR
              .
              .
              .
        Window NW
            Accumulated value year 1
              .
              .
              .
            Accumulated value year NYR
    Adjusted simulated time series 1
        Window 1
            Accumulated value year 1
                      .
              .
              .
            Accumulated value year NYR
              .
              .
              .
        Window NW
            Accumulated value year 1
              .
              .
```

```
              .
            Accumulated value year NYR
      Conditional simulated time series 1
         Window 1
            Accumulated value year 1
             .
             .
             .
            Accumulated value year NYR
              .
              .
              .
         Window NW
            Accumulated value year 1
              .
              .
              .
            Accumulated value year NYR
      Observed time series 2
         Window 1
            Accumulated value year 1
              .
              .
              .
            Accumulated value year NYR
              .
              .
              .
         Window NW
            Accumulated value year 1
              .
              .
              .
            Accumulated value year NYR
      Base period observed time series 2
         Window 1
            Accumulated value year 1
              .
              .
              .
            Accumulated value year NYR
              .
              .
              .
         Window NW
            Accumulated value year 1
              .
              .
              .
            Accumulated value year NYR
```

If one or more of the switches are not turned on then the time series created by these switches are not included in the accumulator array. If the observed time series had been specified first at initialization rather than the simulated time series then the order of the time series would also be switched in the accumulator array. It is also possible to indicate two simulated time series or two observed time series at initialization. If two simulated time series were indicated at initialization then the array would be organized:

Historical simulated time series 1
Adjusted simulated time series 1
Conditional simulated time series 1
Historical simulated time series 2
Adjusted simulated time series 2
Conditional simulated time series 2

Some output variables require storing more than one value, (e.g. maximum mean daily value: value and number of days to that value). These data are stored:

value year 1
number of days year 1
.
.
.
value year NYR
number of days NYR