

MERGE TIME SERIES OPERATION

Identifier: MERGE-TS

Operation Number: 30

Parameter Array: The FORTRAN identifier used for the parameter array is PO. The contents of the PO array are:

<u>Position</u>	<u>Contents</u>
1	Operation version number
2	Number of time series to be merged
3-4	Output time series identifier
5	Output time series data type
6	Data time interval
7	Number of values per time interval
8	Units code
9	Missing data allowed for output time series ('YES' or 'NO')
10	Missing data flag for output time series: 0 = no missing data allowed 1 = yes - missing data allowed
11	Case option flag: 0 = case 1 (default) 1 = case 2 and precipitation time series 2 = case 2 and instantaneous discharge time series
12	Unused
13-14	Input time series identifier
15	Input time series data type
16	Missing data allowed for input time series ('YES' or 'NO')

Positions PO(13) through PO(16) are repeated for each input time series.

Subroutines Names and Functions: The subroutines associated with this Operation are:

Subroutine    Function

PIN30	Input information and stores values in the PO array
PRP30	Print information stored in the PO array
EX30	Execute the Operation
PUC30	Generate card images from the PO array which can be read by the PIN30 subroutine

Subroutines PIN30, PRP30, and PUC30 have the standard argument lists for these routines as described in Section VIII.4.3. No special external references are used. Debug output is generated by the PIN30 and EX30 subroutines.

SUBROUTINE EX30 (PO,OUT,LOCD D)

Function: This is the execution subroutine for the MERGE-TS Operation.

Argument List:

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
PO	Input	R*4	Variable	Contains parameters and other information
OUT	Output	R*4	Variable	Output time series data
LOCD	Input	I*4	Variable	Starting locations of input time series in the D array
D	Input	R*4	MD	The entire D array

SUBROUTINE TAB30

Function: This is the Operations Table entry subroutine for Operation MERGE-TS.

Argument List: The arguments for this subroutine are similar to the arguments for the Operations Table entry subroutines for other Operations. A description of the arguments is contained in section VIII.4.2-TAB.

Operation Table Array: The contents of the TO array are:

<u>Position</u>	<u>Contents</u>
1	Operation number
2	The location in the T array of the next Operation to be executed
3	The location of the parameter array for the Operation in the P array
4	Location of the output time series in the D array
5 to 4+N	Location of each input time series in the D array (N is the number of input time series)