

Description

Subroutine UDTRRS reads file RRS_{TYPE2} [[Hyperlink](#)] and returns the River, Reservoir and Snow (RRS) data type codes and their attributes.

See Chapter I.4-DATATYPE-RRS [[Hyperlink](#)].

Calling Sequence

CALL UDTRRS (M_{TYPE},N_{TYPE},T_{YPE},I_{CLASS},I_{TIME},U_{MISS},U_{TIN},U_{TOUT},
D_{ISTRB},L_{FIELD},N_{UMDEC},C_{HKMIN},C_{HKMAX},I_{STAT})

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
M _{TYPE}	Input	I*4	1	Maximum number of data types
N _{TYPE}	Output	I*4	1	Number of data types found
T _{YPE}	Output	A4	M _{TYPE}	Data type code
I _{CLASS}	Output	I*4	M _{TYPE}	Class indicator: <u>1</u> / 0 = not defined 1 = stage data (STG) 2 = instantaneous discharge data (INQ) 3 = mean discharge data (MNQ) 4 = reservoir data (RES) 5 = instantaneous miscellaneous data (INM) 6 = mean miscellaneous data (INM)
I _{TIME}	Output	I*4	M _{TYPE}	Data time indicator: <u>1</u> / 0 = not defined 2 = instantaneous 3 = mean
U _{MISS}	Output	I*4	M _{TYPE}	Missing data indicator: <u>2</u> / 'SAME' = missing allowed other = missing not allowed - code for output data type
U _{TIN}	Output	A4	M _{TYPE}	Units in which data is stored in the Preprocessor Data Base <u>2</u> /
U _{TOUT}	Output	A4	M _{TYPE}	Units in which data is written to

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
				the Processed Data Base <u>2/</u>
DISTRB	Output	A4	MTYPE	Distribution indicators <u>2/</u>
LFIELD	Output	I*4	MTYPE	Field length to be used when printing values <u>1/</u>
NUMDEC	Output	I*4	MTYPE	Number of decimal places to be used when printing value <u>1/</u>
CHKMIN	Output	R*4	MTYPE	Minimum valid value allowed when writing data to the Preprocessor Data Base <u>3/</u>
CHKMAX	Output	R*4	MTYPE	Maximum valid value allowed when writing DATA TO the Preprocessor Data Base <u>3/</u>
ISTAT	Output	I*4	1	Status code: 0 = no errors 1 = invalid class or time indicator found 2 = maximum data types exceeded

Notes:

1/ Will not be filled if set to -99 on input.

2/ Will not be filled if set to 'NONE' on input.

3/ Will not be filled if set to -99. on input.