

I.4-DATATYPE-RRS OPERATIONAL FORECAST SYSTEM PREPROCESSOR DATA BASE
RRS DATA TYPE CODES

The RRS data type codes are used to describe the attributes of the River, Reservoir and Snow (RRS) data stored in the Operational Forecast System Preprocessor Data Base.

The following tables are included in this Chapter:

- o RRS data types sorted by description
- o RRS data types sorted by type code
- o RRS data types and attributes sorted by type code

The following headings and abbreviations are used in the tables:

- o Class Code (code for RRS Preprocessor display category):
 - INQ = instantaneous discharge (volume)
 - INM = instantaneous discharge (stage)
 - SNW = instantaneous snow data
 - NMQ = mean discharge
 - MNM = mean snow data
- o Decimal Places (number of decimal places to be used when printing) data values
- o Description (description of data type)
- o DIST Code (distribution code)
- o Field Length (length of field used when printing data values)
- o Input Units (input units to Preprocessor)
- o Output Units (output units from Preprocessor)
- o Minimum Value (minimum value allowed when writing to the Preprocessor Data Base)
- o MISS Code (missing allowed code)
- o Maximum Value (maximum value allowed when writing to the Preprocessor Data Base)
- o Time Code:
 - MEAN = mean value
 - INST = instantaneous value
- o Type Code (code for data type)

Table 1. RRS Data Types Sorted by Description

<u>Type Code</u>	<u>Description</u>
DQIN	DIVERSION FLOW OBSERVED
DQME	DIVERSION FLOW OBSERVED
PCFD	DIVERTED FLOW FROM CHANNEL PERCENT
NFBD	FLASH BOARDS DOWN OBS AND PROJ
FBEL	FOREBAY ELEVATION OBSERVED
ZELV	FREEZING LEVEL
FGDP	FROST DEPTH OBSERVED
GTCS	GATE CONTROL SWITCH
GATE	GATE OPENINGS OBS AND PROJ
ICET	ICE THICKNESS OBSERVED
LELV	LAKE ELEVATION OBSERVED
LAKH	LAKE HT ABOVE SPECIFIED DATUM
RQSW	RESERVOIR DISCHARGE SPILLWAY
RQIN	RESERVOIR INFLOW OBSERVED
RQIM	RESERVOIR INFLOW OBSERVED
RQOT	RESERVOIR OUTFLOW OBSERVED
RQME	RESERVOIR OUTFLOW OBSERVED
PELV	RESERVOIR POOL STAGE OBSERVED
RQGM	RESERVOIR Q POWER GEN OBS
RSTO	RESERVOIR STORAGE OBSERVED
QIN	RIVER DISCHARGE OBSERVED
QME	RIVER DISCHARGE OBSERVED
STG	RIVER STAGE OBSERVED
AESC	SNOW COVER AREAL EXTENT
SNOG	SNOW COVER DEPTH POINT
SNWE	SNOW COVER WATER EQUIVALENT PT
TWSW	SPILLWAY TAILWATER OBSERVED
TWEL	TAIL WATER STAGE OBSERVED
TID	TIDE ELEVATION OBSERVED

Table 2. RRS Data Types Sorted by Type Code

<u>Type Code</u>	<u>Description</u>
AESC	SNOW COVER AREAL EXTENT
DQIN	DIVERSION FLOW OBSERVED
DQME	DIVERSION FLOW OBSERVED
FBEL	FOREBAY ELEVATION OBSERVED
FGDP	FROST DEPTH OBSERVED
GATE	GATE OPENINGS OBS AND PROJ
GTCS	GATE CONTROL SWITCH
ICET	ICE THICKNESS OBSERVED
LAKH	LAKE HT ABOVE SPECIFIED DATUM
LELV	LAKE ELEVATION OBSERVED
NFBD	FLASH BOARDS DOWN OBS AND PROJ
PCFD	DIVERTED FLOW FROM CHANNEL PERCENT
PELV	RESERVOIR POOL STAGE OBSERVED
QIN	RIVER DISCHARGE OBSERVED
QME	RIVER DISCHARGE OBSERVED
RQGM	RESERVOIR Q POWER GEN OBS
RQIM	RESERVOIR INFLOW OBSERVED
RQIN	RESERVOIR INFLOW OBSERVED
RQME	RESERVOIR OUTFLOW OBSERVED
RQOT	RESERVOIR OUTFLOW OBSERVED
RQSW	RESERVOIR DISCHARGE SPILLWAY
RSTO	RESERVOIR STORAGE OBSERVED
SNOG	SNOW COVER DEPTH POINT
SNWE	SNOW COVER WATER EQUIVALENT PT
STG	RIVER STAGE OBSERVED
TID	TIDE ELEVATION OBSERVED
TWEL	TAIL WATER STAGE OBSERVED
TWSW	SPILLWAY TAILWATER OBSERVED
ZELV	FREEZING LEVEL

Table 3. RRS Data Types and Attributes

Type Code	Class Code	Time Code	Input Units	Output Units	DIST Code	MISS Code	Field Length	Decimal Places	Minimum Value	Maximum Value
AESC 1	INM	INST	PCTD	PCTD	NONE	SAME	5	2	0	
DQIN 10000000	INQ	INST	CFS	CFS	NONE	DQIE	8	0	0	
DQME 10000000	MNQ	MEAN	CFS	CFSD	NONE	DQMP	8	0	0	
FBEL 20000	RES	INST	FT	FT	NONE	SAME	8	1	-400	
FGDP 100	INM	INST	IN	IN	NONE	SAME	5	1	0	
GATE 1000	RES	INST	FT	FT	NONE	SAME	4	0	0	
GTCS 1	RES	INST	INT	INT	NONE	SAME	4	0	0	
ICET 100	INM	INST	IN	IN	NONE	SAME	5	1	0	
LAKH 20000	RES	INST	FT	FT	NONE	SAME	8	1	-400	
LELV 20000	RES	INST	FT	FT	NONE	SAME	8	1	-400	
NFBD 1000	RES	INST	INT	INT	NONE	SAME	4	0	0	
PCFD 1	INM	INST	PCTD	PCTD	NONE	SAME	5	2	0	
PELV 20000	RES	INST	FT	FT	NONE	SAME	8	1	-400	
PTPS 1	MNM	MEAN	PCTD	PCTD	NONE	SAME	4	0	0	
QIN 10000000	INQ	INST	CFS	CFS	NONE	SAME	8	0	0	
QME 10000000	MNQ	MEAN	CFS	CFSD	NONE	SAME	8	0	0	
RQGM 10000000	RES	MEAN	CFS	CFSD	DIST	SAME	8	0	0	
RQIM 10000000	RES	MEAN	CFS	CFSD	NONE	SAME	8	0	0	
RQIN 10000000	RES	INST	CFS	CFS	NONE	SAME	8	0	0	
RQME 10000000	RES	MEAN	CFS	CFSD	DIST	RQMP	8	0	0	
RQOT 10000000	RES	INST	CFS	CFS	NONE	RQIE	8	0	0	
RQSW 10000000	RES	INST	CFS	CFS	NONE	SAME	8	0	0	
RSTO 10000000	RES	INST	CFSD	CFSD	NONE	SAME	8	0	0	
SNOG 2000	INM	INST	IN	IN	NONE	SAME	5	1	0	
SNWE 1000	INM	INST	IN	IN	NONE	SAME	5	2	0	

Table 3. RRS Data Types and Attributes

<u>Type Code</u>	<u>Class Code</u>	<u>Time Code</u>	<u>Input Units</u>	<u>Output Units</u>	<u>DIST Code</u>	<u>MISS Code</u>	<u>Field Length</u>	<u>Decimal Places</u>	<u>Minimum Value</u>	<u>Maximum Value</u>
STG 20000	STG	INST	FT	FT	NONE	SAME	8	1	-400	
TWEL 20000	RES	INST	FT	FT	NONE	SAME	8	1	-400	
TWSW 20000	RES	INST	FT	FT	NONE	SAME	8	1	-400	
ZELV 30000	INM	INST	FT	FT	NONE	SAME	8	0	-300	