IX.3.2B-SYSTEM-QDTYPE SUBROUTINE QDTYPE

Description

Subroutine QDTYPE checks a data type code to determine if it is a valid RRS data type.

If the data type code is valid then the attributes for the data type are returned.

Calling Sequence

```
CALL QDTYPE (DTYPE,IUDTR,MXTYPE,TYPE,IPRTYP,JMEAN,JMISS,AUNITI,AUNITO,
             DISTRB,LFIELD,NUMDEC,CHKMIN,CHKMAX,NUTYPE,ITYPE,IMEAN,
             UNITIN,UNITOT,NFIELD,NDEC,ISTAT)
```

Argument List

Variable	Input/ Output	Type	Dimension	Description
DTYPE	Input	A4	1	Data type code to be checked
IUDTR	Input	I*4	1	Indicator whether subroutine UDTRRS has been called: 0 = no 1 = yes
MXTYPE	Input	I*4	1	Maximum number of data types
TYPE	Input	A4	MXTYPE	Data type code
IPRTYP	Input	I*4	MXTYPE	Print category
JMEAN	Input	I*4	MXTYPE	Mean data indicator
JMISS	Input	I*4	MXTYPE	Missing data allowed indicator
AUNITI	Input	A4	MXTYPE	Input data units code
AUNITO	Input	A4	MXTYPE	Output data units code
DISTRB	Input	A4	MXTYPE	Distribution indicator
LFIELD	Input	I*4	MXTYPE	Field length to be used when printing values
NUMDEC	Input	I*4	MXTYPE	Number of decimal places to be used when printing data values
CHKMIN	Input	I*4	MXTYPE	Minimum valid data value

Variable	Input/ Output	Type	Dimension	Description
CHKMAX	Input	I*4	MXTYPE	Maximum valid data value
NUTYPE	Output	I*4	1	Number of data types returned from subroutine UDTRSS
IMEAN	Output	I*4	1	Mean data indicator: 1 = period data type 2 = instantaneous data type
ITYPE	Output	I*4	1	Print category
UNITIN	Output	A4	1	Input data units code
UNITOT	Output	A4	1	Output data units code
NFIELD	Output	I*4	1	Field length to be used when printing data values
NDEC	Output	I*4	1	Number of decimal places to be used when printing data values
ISTAT	Output	I*4	1	Status code: 0 = OK 1 = invalid RRS data type