

## IX.3.0B-SYSTEM-UDUNIT SUBROUTINE UDUNIT

### Description

Subroutine UDUNIT reads file DATAUNIT [[Hyperlink](#)] and returns the data unit codes and their attributes.

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

### Calling Sequence

CALL UDUNIT (MDIMN,MUNIT,DIMNS,UNITS,FACTS,TEMPS,NDECML,ISTAT)

### Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
MDIMN	Input	I*4	1	Maximum data dimensions that can be processed
MUNIT	Input	I*4	1	Maximum data units that can be processed for each data dimension
DIMNS	Output	A4	MDIMN	Data dimension code
UNITS	Output	A4	MDIMN,MUNIT	Data units code
FACTS	Output	R*8	MDIMN,MUNIT	Conversion factor
TEMPS	Output	R*8	MUNIT	Conversion factor for temperature data
NDECML	Output	I*4	MDIMN,MUNIT	Number of decimal places to be used when printing data
ISTAT	Output	I*4	1	Status code: 0 = no errors 1 = unexpected return code from routine URDPDS 2 = data unit file not allocated 3 = FACTS, TEMPS and/or NDECML cannot be decoded 4 = maximum number of data dimensions exceeded 5 = maximum number of data units exceeded 6 = maximum number of data dimensions and maximum number of data units

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
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exceeded