

VI.6.4-PRDUTIL-DUMPSHEF PROGRAM PRDUTIL COMMAND DUMPSHEF

Purpose

Command DUMPSHEF outputs time series data from the Processed Data Base in Standard Hydrometeorological Exchange Format (SHEF).

Input Data

<u>Card</u>	<u>Field</u>	<u>Format</u>	<u>Contents</u>
1	1		'@DUMPSHEF'
	2	A	Starting date <u>1</u> /
	3	A	Ending date <u>1</u> /
	3+	A	Comment option: <u>2</u> / 'COMMENT=YES' = output SHEF comment (default) 'COMMENT=NO' = do not output SHEF comment 'COMMENT=string' = output specified string - enclose in quotes if contains blanks - a maximum of 10 comments can be specified
	3+	A	Headers option: 'HEADERS=YES' = output the 'TTAA00...' and product headers (default) 'HEADERS=NO' = do not output headers
	3+	A	Hour range option: 'HR1TO24' = output SHEF messages using an hour range of 1-24 (default) 'HR0TO23' = output SHEF messages using an hour range of 0-23
	3+	A	Product header option in the form: 'PRODHDR=xxxxyyzzz'
	3+	A	SHEF Format option: 'FORMAT=.A' = output in SHEF .A format (default) 'FORMAT=.E' = output in SHEF .E format
	3+	A	Sort option: 'BYID' = output sorted by identifier (default) 'BYDATE' = output sorted by date

<u>Card</u>	<u>Field</u>	<u>Format</u>	<u>Contents</u>
2	1	A8	Time series identifier
	2	A4	Time series data type code
	3	A8	SHEF station identifier
	4	I	SHEF data time interval
	5	A5	SHEF parameter code
	6	A5	Format for data values (optional) <u>3/</u>
	7	I	Number of data values on each SHEF message (optional) - not used for the .A format - default is 8 for the .E format

Repeat card 2 for each time series to be processed.

```
3      1      'END'
```

Notes:

1/ The date format is described in Section VI.5.2B.

2/ If YES is specified, a comment of the following form will be output:

```
: TS_ID=DAHSE   TS_DATA_TYPE=RQOT  DATA_UNITS=KCFS  SHEF_ID=xDAHSE  SHEF_DATA_TYPE=HPI
```

If comment strings are specified and more than one time series is to be processed, the comment is only output before the SHEF messages for the first time series.

3/ The format for the data values is in the form w.d where w is the field width and d is the number of decimal places.

Enter a '.' if the number of data values is not specified and the number of values on each SHEF messages is specified.

Example

```
@DUMPSHEF 03299318Z 04029312Z &
          FORMAT=.E &
          HR0TO23  PRODHDR='xxxxyyzzz' &
          COMMENT=': comment string 1' &
          COMMENT=': comment string 2'
AFTNC    AQME AFTNC      6 QTQ
DAHSE    PELE SMTHMTLK  6 HPI
DARNC    STG  DARNC     24 HPI 5.1
BLBNC    STG  BLBNC     24 HPI 5.1 6
WIBSE    SSTG ERBRIVER  1 HTI
          END
@dumpshef 03299318Z 04029312Z &
```

```
FORMAT=.A &  
HR0TO23 HEADERS=NO  
JOSNC STG JOSNC 24 HPI . 6  
END
```