

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

#### Description

Subroutine HCKDAT checks a specified field in array IBUF in common block UFREEI [[Hyperlink](#)] for a valid Hydrologic Command Language [[Hyperlink](#)] date.

A valid date is converted to the seven-word array format.

#### Calling Sequence

CALL HCKDAT (IS,IE,IT,ISTAT)

#### Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
IS	Input	I*4	1	Subscript of start of field
IE	Input	I*4	1	Subscript of end of field
IT	Output	I*4	7	Array to receive date: <u>1/</u> IT(1) = Julian hour IT(2) = month IT(3) = day IT(4) = year IT(5) = hour IT(6) = time zone code IT(7) = minutes
ISTAT	Output	I*4	1	Status code: 0 = valid date 1 = invalid date

#### Note:

1/ If input for day is '\*' then a '\*' is placed in word 2 and no Julian hour is calculated.