

## VII.7-DATACARD-CARDIO SUBROUTINE CARDIO

### Description

Subroutine CARDIO reads or write DATACARD format time series files using external location information store an array.

When reading a DATACARD file this routine calls routine CARDLO and sets appropriate values in array EXTLOC.

When writing a DATACARD file this routine calls routine CARDHD and sets appropriate values in array EXTLOC.

Array EXTLOC stores real, integer and character information.

### Calling Sequence

```
CALL CARDIO (NCTS,NUMEXT,EXTLOC,DTYPE,UNITS,DIMN,ITIME,NPDT,FILNAM,
            ISTAT)
```

### Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
NCTS	Input	I*4	1	Time series type: 1 = input 3 = output
NUMEXT	Output	I*4	1	Number of values filled in array EXTLOC
EXTLOC	Input	R*4	*	External location information
DTYPE	Input	A4	1	Requested data type
UNITS	Input	A4	1	Requested data units
DIMN	Input	A4	1	Data dimensions
ITIME	Output	I*4	1	Data time interval (units of HR)
NPDT	Output	I*4	1	Number of values per interval
FILNAM	Output	A32	1	DATACARD file name
ISTAT	Output	I*4	1	Status code: 0 = okay 1 = error