

CERES Software Bulletin 95-07

CERESlib README Guidelines, July 25, 1995 Interim Development Period, Maria Mitchum

Purpose:

The following are guidelines to follow when creating a README file to accompany a CERESlib routine candidate during interim development period.

(All routines must be written in FORTRAN 90)

Routine (or MODULE) Name:

Contact: (Name, organization, phone number,e-mail)

Date: **Last Version Update:**

Interface Specifications:

a. If the routine is a MODULE:

1. Main Program declaration:

(Example)

```
'USE module_name, ONLY : data_TYPE1, data_TYPE2, etc.,  
                          subroutine_name1, subroutine_name2, etc.'
```

2. For each data_TYPE, describe TYPE in full, and for each element:

Element name, definition, declaration, length, units, value ranges where appropriate.
(or specify code location for TYPE definition)

3. For each PUBLIC routine:

a. Call statement with parameters

b. Purpose

c. Input Parameters: Describe, in the order they are presented, with a short 1-2 line description of the parameter; include: name, definition, declaration, length, units, optional feature, value ranges where appropriate.

d. Input/Output Parameters: (Same as Input Parameters)

e. Output Parameters: (Same as Input Parameters)

f. Unique Features

g. Dependencies: (Other modules, Toolkit routines, Libraries, INCLUDE file, etc.)

b. If routine is a SUBROUTINE or FUNCTION, etc.

Follow steps a.3

Revision History: (Itemize each data type and routine (public and private) modified.)