Chandra X-ray Center

I/O Bugs: special characters

Bugs

1. ***Problems with parsing the names of the files with special characters.***

   Sherpa will not correctly parse the following:

   ```
   sherpa> read data " filename.dat"
   ```
   because of the extra space within the quotes.

2. ***Certain characters should be avoided in directory names and filenames as they can cause problems in I/O.***

   Often problems can be avoided by using double quotes when using "special" characters.

   The standard set (defined as special by most operating systems) of "special" characters is:

   ```
   & ( ) [ ] ; | * ? ' " ` $ < > ; { } ^ # / \ (space character)
   ```
   Sherpa has additional restrictions on the use of the following:

   ```
   : +
   ```
   Sherpa is known to crash when trying to write files whose names contain:

   ```
   ( ) & |
   ```
   Sherpa will not function properly if the directory path contains the following:

   ```
   : ( )
   ```