New AC++ features

Module cloning:

```
AC++> module clone Prereq_1 Prereq_mine

AC++> show module
...
    Filter_95       (enabled)    Filter Module for Trigger 95
    Prereq_96       (enabled)    Prerequisite Module for Trigger 96
    Filter_96       (enabled)    Filter Module for Trigger 96
    Prereq_97       (enabled)    Prerequisite Module for Trigger 97
    Filter_97       (enabled)    Filter Module for Trigger 97
    Prereq_98       (enabled)    Prerequisite Module for Trigger 98
    Filter_98       (enabled)    Filter Module for Trigger 98
    Prereq_99       (enabled)    Prerequisite Module for Trigger 99
    Filter_99       (enabled)    Filter Module for Trigger 99
    Prereq_100      (enabled)    Prerequisite Module for Trigger 100
    Filter_100      (enabled)    Filter Module for Trigger 100
    Filter_common   (enabled)    Filter Module common to many trigge
    Prereq_mine     (enabled)    this module is a clone of Prereq
```

New AC++ features (cont.)

Filter Module Configuring by Path:

```
AC++> show path
  ...
Path2                (enabled)
                                        Filter?   Mask    nQuery  nPassed
    Prereq_2             (enabled)   yes       on      0       0
    Filter_2             (enabled)   yes       on      0       0
    Filter_common        (enabled)   yes       on      0       0
  ...
AC++> path append Path2 Prereq_mine

AC++> filter -path Path2 Filter_common off

AC++> show path
  ...
Path2                (enabled)
                                        Filter?   Mask    nQuery  nPassed
    Prereq_2             (enabled)   yes       on      0       0
    Filter_2             (enabled)   yes       veto    0       0
    Filter_common        (enabled)   yes       off     0       0
    Prereq_mine          (enabled)   yes       on      0       0
  ...
```

New AC++ features (cont.)

First pass Monitoring by Path:

```
Path1                (enabled)
                                   Filter?   Mask    nQuery  nPassed
    Prereq_1             (enabled)  yes       on      9       6
    Filter_1             (enabled)  yes       on      6       0
    Filter_common        (enabled)  yes       on      0       0

Path2                (enabled)
                                   Filter?   Mask    nQuery  nPassed
    Prereq_2             (enabled)  yes       on      9       6
    Filter_2             (enabled)  yes       veto    6       0
    Filter_common        (enabled)  yes       off     6       0
    Prereq_mine          (enabled)  yes       on      6       0

Path3                (enabled)
                                   Filter? Mask    nQuery  nPassed
    Prereq_3             (enabled)  yes       on      9       6
    Filter_3             (enabled)  yes       on      6       1
    Filter_common        (enabled)  yes       on      1       0
```

New AC++ features (cont.)

Interpreter improvements:

* **Now using gnu's readline includes tab completion of filenames and module class names**

* **AbsParmGeneral's now take optional minimum and maximum limits**

Future AC++ developments

1. Histogram manager module
2. Output Module reorganization - stream handling
3. Input module reoganization - input filtering
4. Parameter set management and saving (reuse RCP?)
5. Better system for handling program arguments
6. A number of interpreter issues remain which must be addresssed before users including support for more types of parameters