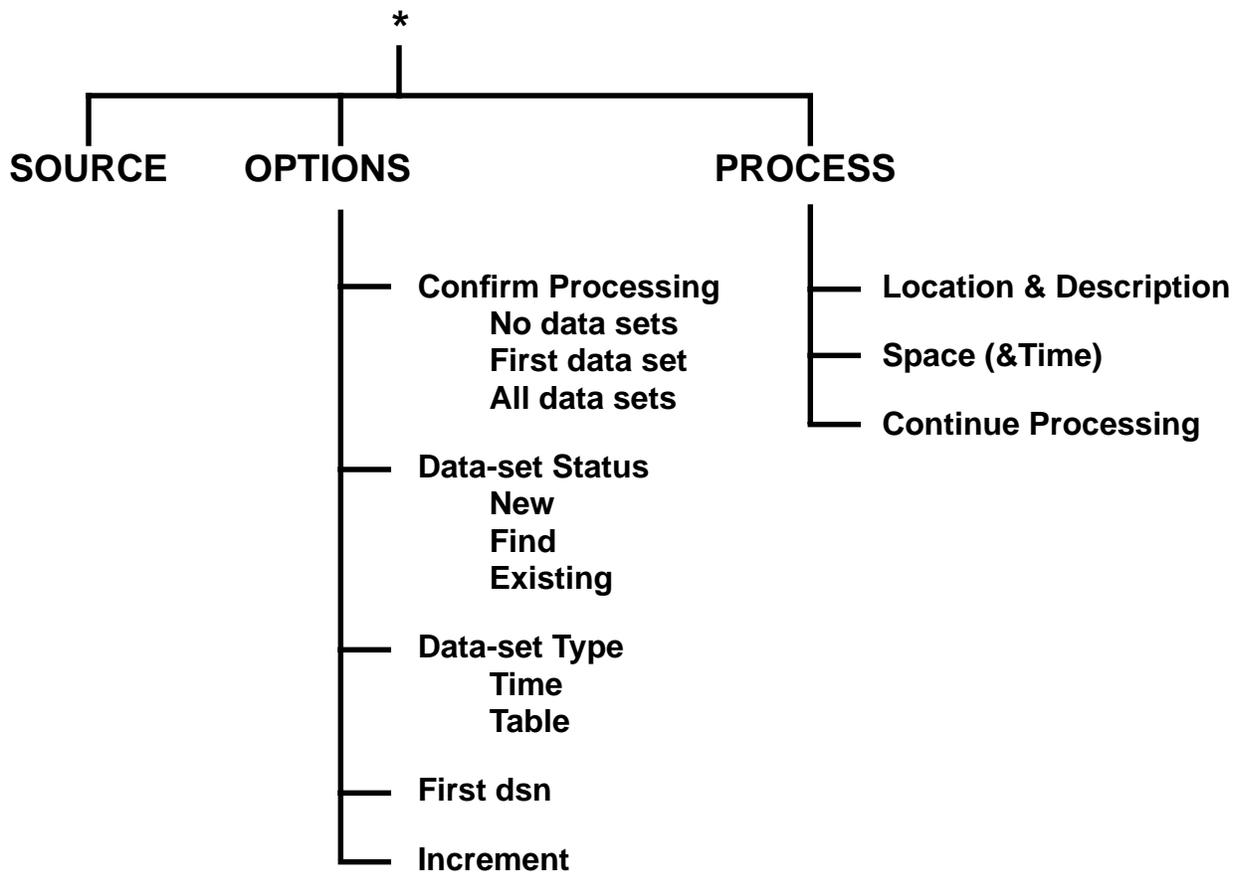
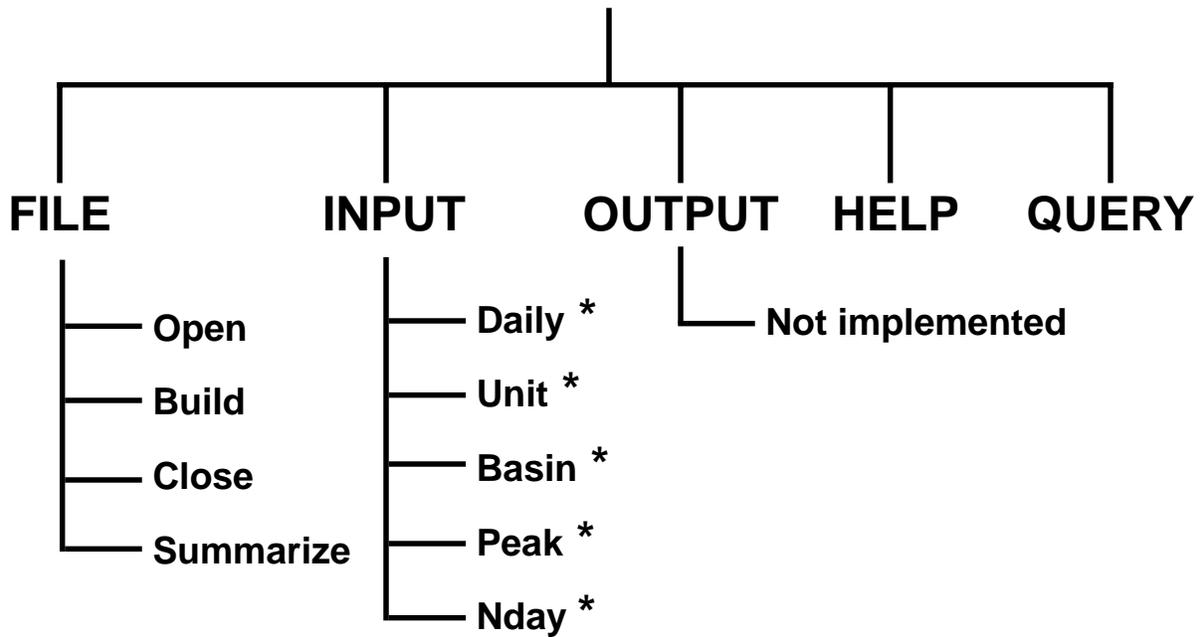


IOWDM



Sample IOWDM session -- loading Peak flow data and N-day data

Sample session--screen numbers marked with an * are included in the following pages.

```

#  screen
--  -----
1*  Opening screen (File)
2*      File (Build)
3*          Build (class.wdm)
4      File (Return)
5  Opening screen (Input)
6*      Input (Peak)
7*          Peak (Source)
8*              Source (sugar.pks)
9          Peak (Options)
10*             Options:      Confirm processing:      No data sets
                                     X      First data set
                                     All data sets
                                     Data-set status:  X      New
                                     Find
                                     Existing
                                     Data-set type:      Time
                                     X      Table
                                     First dsn:      1
                                     Increment:      1

11          Peak (Process)
12              Process (Location)
13*                  Location      (tstype = PEAK)
14              Process (Space)
15*                  Space
16              Process (Continue)
17          Peak (Return)
18*      Input (N-day)
19*          N-day (Source)
20*              Source (bird.ndy)
21          N-day (Options)
22*             Options:      Confirm processing:      No data sets
                                     X      First data set
                                     Each station
                                     All data sets
                                     Data-set status:  X      New
                                     Find
                                     Enter
                                     First dsn:      1
                                     Minor increment:  1
                                     Major increment:  1
                                     First dsn:      10

23*             Options
24          N-day (Process)
25              Process (Location)
26                  Location      (TSTYPE=L001, STANAM=blank)
27*                  Location      ( STANAM=Bird Creek)
28              Process (Space)
29*                  Space and Time
30              Process (Continue)
31          N-day (Return)
32      Input (Return)
33  Opening screen (File)
34*      File (Summarize)
35*          Summary
36      File (Return)
37  Opening screen (Return)

```

Sample IOWDM session -- loading Peak flow data and N-day data

Opening screen

```
Opening screen IOWDM 2.0

      U.S. Geological Survey, Water Resources Division
      IOWDM - Input / Output for WDM file
      Version 2.0, October 1993

Select an option,          or
  File - WDM file management  Help - information about IOWDM
  Input - new data to WDM file  Query - for support
  Output - data from WDM file  Return - to operating system

INSTRUCT
      Select an option using arrow keys
      then confirm selection with the F2 key, or
      Type the first letter of an option.

Help:F1 Accept:F2 Cmhlp
```

Opening screen / File

```
File (F) IOWDM 2.0

      Select a File option.

      Open - an existing WDM file
      Close - a WDM file
      Build - and initialize a new WDM file
      Summarize - WDM file contents
      Return - one level up

INSTRUCT
      Select an option using arrow keys
      then confirm selection with the F2 key, or
      Type the first letter of an option.

Help:F1 Accept:F2 Cmhlp
```

Opening screen File / Build

```
Build (FB) IOWDM 2.0

Enter the name for your new WDM file:
class.wdm

Note: If the file is built successfully, you will be returned to
the "File" screen. If there is a problem building the file
you will be asked if you want to try again.

INSTRUCT
      Enter data in highlighted field(s).
      Use carriage return or arrow keys to enter data and move between fields.
      Use "Accept" command to go to next screen when done entering data.

Accept:F2 Prev:F4 Limits:F5 Cmhlp Ops
```

Sample IOWDM session -- loading Peak flow data and N-day data

Opening screen / Input

```
Input (I)-----IOWDM 2.0-----  
  
          Select an input format:  Watstore  Generic flat  
                                DAILY    COLUMNS  
                                UNIT     OTHER  
                                BASIN  
                                PEAK  
                                N-DAY  
  
          Or RETURN to opening screen  
  
-----INSTRUCT-----  
          Select an option using arrow keys  
          then confirm selection with the F2 key, or  
          Type the first letter of an option.  
  
Help:F1 Accept:F2 Cmhlp
```

Opening screen / Input / Peak

```
Peak (IP)-----IOWDM 2.0-----  
  
          Select an input option:  
  
          Source - open a source file  
          Options - for input, output, and processing  
          Process - the input file  
  
          Return - to Input screen  
  
-----INSTRUCT-----  
          Select an option using arrow keys  
          then confirm selection with the F2 key, or  
          Type the first letter of an option.  
  
Help:F1 Accept:F2 Cmhlp
```

Opening screen / Input / Peak / Source

```
Source (IPS)-----IOWDM 2.0-----  
  
          Name of file for input?  
  
          sugar.pks  
  
-----INSTRUCT-----  
          Enter data in highlighted field(s).  
          Use carriage return or arrow keys to enter data and move between fields.  
          Use "Accept" command to go to next screen when done entering data.  
  
Help:F1 Accept:F2 Prev:F4 Limits:F5 Cmhlp Oops
```

Sample IOWDM session -- loading Peak flow data and N-day data

10. Opening screen / Input / Peak / Option

```

Options (IPO)-----IOWDM 2.0-----
                Select data set processing options:

Confirm processing for:      Data-set status:      Data-set type:
  No data sets              X New          Time
  X First data set         Find          X Table
  All data sets            Existing

First dsn:      1
Increment:      1

-----INSTRUCT-----
Option field: use space bar to toggle between ON (X) and OFF ( ).
Use carriage return or arrow keys to move between fields.
Use "Accept" command to go to next screen when done entering data.

Help: [F1]  Accept: [F2]  Limits: [F3]  Cmhlp  Ops
    
```

Confirm Processing:	No data sets	The input file will be read and processed with no additional user interaction.
	First data set	The user will have the opportunity to enter or modify attributes for the first set of data from the input file. Space and Time attributes and some of the Location attributes will carry on for the rest of the sets of data in the input file.
	All data sets	The user will have the opportunity to enter or modify attributes for every set of data from the input file.
Data-set status	New	Each set of data in the input file will be written to a new data set in the wdm file.
	Find	The program will try to Find an existing data set in the wdm file that corresponds to this set of data. The program will check for the attributes TSTYPE, ISTAID or STAID, and for data set type (time or table)
	Existing	The user will be asked to specify existing data sets for each set of data in the input file.
Data-set type	Time / Table	Peak flow data may be stored in a time-series data set or a table data set. The type of data set is determined by the intended use of the data. A time-series data set will contain only the annual peaks. A table data set will contain the annual peaks, the date of each peak, the qualification codes, and gage height.
	First dsn	The user may specify a starting data set for new data sets or for when an existing data set can not be found.
Increment:		The user may specify the increment to be used between new data-set numbers.

Sample IOWDM session -- loading Peak flow data and N-day data

13. Opening screen / Input / Peak / Process / Location

```
-----Location and Description (IPPL)-----IOWDM 2.0
Enter or modify optional attributes as desired:

  ISTAID  3339500      STAID  03339500
  TSTYPE  PEAK        STANAM  Sugar Creek at Crawfordsville, Ind.

  LATDEG  40.04861    PARMCD  0   STFIPS  18   HUCODE  0   DATUM  0.0
  LNGDEG  86.89889    STATCD  0   DSCODE  18   SITECO  SW   WELLDP  0.0
                                COCODE  0   AQTYPE  none  BASEQ   0.0
  DAREA   0.0
  CONTDA  509.0
                                GUCODE
                                AGENCY

-----INSTRUCT-----
Enter data in highlighted field(s).
Use carriage return or arrow keys to enter data and move between fields.
Use "Accept" command to go to next screen when done entering data.

Help: F1 Accept: F2 Limits: F5 Cmhlp Oops
```

Most of the information on this screen can be found on the station header records. The station header records are an optional part of the peak flow input file. The TSTYPE field is defaulted to PEAK, but may be modified by the user. While all of these fields are optional, some of them may be required by an application. Values of "0", "0.0", and "none" indicate a value is not defined for the field.

15. Opening screen / Input / Peak / Process / Space

```
-----Space (IPS)-----IOWDM 2.0
Space allocation for data set:

Max no. of attributes > 100
Space for attributes > 120
Max no. of data groups > 10

                21 < total < 401

-----INSTRUCT-----
Enter data in highlighted field(s).
Use carriage return or arrow keys to enter data and move between fields.
Use "Accept" command to go to next screen when done entering data.

Help: F1 Accept: F2 Limits: F5 Cmhlp Oops
```

This screen contains information defining how much data can be stored in the data set. 99% of the time, these default values will be fine. The default for peak table data sets allows for up to 100 attributes. The space for attributes is slightly larger than the number of attributes because character attributes require a space for every 4 characters of the value of the attribute (i.e. STANAM may be up to 48 characters long, so requires 12 spaces).

Sample IOWDM session -- loading Peak flow data and N-day data

18. Opening screen / Input

```
Input (I)-----IOWDM 2.0-----  
  
          Select an input format:  Watstore  Generic flat  
                                DAILY    COLUMNS  
                                UNIT      OTHER  
                                BASIN  
                                PEAK  
                                N-DAY  
  
          Or RETURN to opening screen  
  
-----INSTRUCT-----  
          Select an option using arrow keys  
          then confirm selection with the F2 key, or  
          Type the first letter of an option.  
  
Help:F1 Accept:F2 Cmhlp
```

19. Opening Screen / Input / N-day

```
N-Day (IN)-----IOWDM 2.0-----  
  
          Select an input option:  
  
          Source - open a source file  
          Options - for input, output, and processing  
          Process - the input file  
  
          Return - to Input screen  
  
-----INSTRUCT-----  
          Select an option using arrow keys  
          then confirm selection with the F2 key, or  
          Type the first letter of an option.  
  
Help:F1 Accept:F2 Cmhlp
```

20. Opening screen / Input / N-day / Source

```
Source (INS)-----IOWDM 2.0-----  
  
          Name of file for input?  
  
          bird.ndy  
  
-----INSTRUCT-----  
          Enter data in highlighted field(s).  
          Use carriage return or arrow keys to enter data and move between fields.  
          Use "Accept" command to go to next screen when done entering data.  
  
Help:F1 Accept:F2 Prev:F4 Limits:F5 Cmhlp Oops
```

Sample IOWDM session -- loading Peak flow data and N-day data

22 & 23. Opening screen / Input / N-day / Option

```

Options (INO)-----IOWDM 2.0
  Select data set processing options:
Confirm processing for:      Data-set status:
  No data sets                X New
  X First data set          Find
  Each station              Enter
  All data sets

First dsn:      1
Minor increment: 1
Major increment: 1

-----INSTRUCT-----
  Option field: use space bar to toggle between ON (X) and OFF ( ).
  Use carriage return or arrow keys to move between fields.
  Use "Accept" command to go to next screen when done entering data.

Help: [F1] Accept: [F2] Limits: [F5] Cmhlp Oops
    
```

```

Options (INO)-----IOWDM 2.0
  Select data set processing options:
Confirm processing for:      Data-set status:
  No data sets                X New
  X First data set          Find
  Each station              Enter
  All data sets

First dsn:      10
Minor increment: 1
Major increment: 1

-----INSTRUCT-----
  Enter data in highlighted field(s).
  Use carriage return or arrow keys to enter data and move between fields.
  Use "Accept" command to go to next screen when done entering data.

Help: [F1] Accept: [F2] Limits: [F5] Cmhlp Oops
    
```

<p>Confirm Processing:</p> <p style="padding-left: 40px;">No data sets</p> <p style="padding-left: 40px;">First data set</p> <p style="padding-left: 40px;">Each station</p> <p style="padding-left: 40px;">All data sets</p> <p style="padding-left: 40px;">First dsn: 10</p> <p style="padding-left: 40px;">Minor increment: 1</p> <p style="padding-left: 40px;">Major increment: 1</p>	<p>Input processed with no additional user interaction.</p> <p>The user will have the opportunity to enter or modify attributes for the first set of data from the input file. Space and Time attributes and some of the Location attributes will carry on for the rest of the sets of data in the input file.</p> <p>The user will have the opportunity to enter or modify attributes for each station from the input file. The attributes will carry on for all sets of data for that station.</p> <p>The user will have the opportunity to enter or modify attributes for every set of data from the input file. First set of data will be stored in this data set. Between sets of data for a station. Between stations.</p>
--	--

Sample IOWDM session -- loading Peak flow data and N-day data

27. Opening screen / Input / N-day / Process / Location

```

-Location and Description (INPL)-----IOWDM 2.0-
Enter or modify optional attributes as desired:

  ISTAID  7177500      STAID   07177500
  TSTYPE  L001        STANAM  Bird Creek
  XSECLC      0.0  PARMCD   60  SEASBG   4
  DEPTH       0.0  STATCD   3  SEASND   3
  LATDEG      0.0
  LNGDEG      0.0

-INSTRUCT-----
                Enter data in highlighted field(s).
                Use carriage return or arrow keys to enter data and move between fields.
                Use "Accept" command to go to next screen when done entering data.

Help: [F1] Accept: [F2] Limits: [F3] Cmlp Ops

```

TSTYPE: L001 1-day low flow. This is the first set of data for station 07177500. The TSTYPE will be automatically set to the appropriate value for the n-day series. The user may modify this value.

STANAM Bird Creek The input file does not contain the station name. This name will be used by all of the data sets for station 07177500, or until the user changes it.

29. Opening screen / Input / N-day / Process / Space

```

-Time and Space (INPT)-----IOWDM 2.0-
                Modify as required:

Time step and form attributes:
base year (TSBYR)      1800
time step (TSSTEP,TCODE) 1 YEAR
data groups (TGROUP)  CENTURY
form of data (TSFORM)  MEAN
compression (COMPFG)  COMPRESSED
variable time (VBTIME) CONSTANT
filler value (TSFILL) -99999.0

Space allocation for data set:
Max no. of attributes  100
Space for attributes   120
Max no. of data groups  10
-----
total <= 400

-INSTRUCT-----
                Enter data in highlighted field(s).
                Use carriage return or arrow keys to enter data and move between fields.
                Use "Accept" command to go to next screen when done entering data.

Help: [F1] Accept: [F2] Limits: [F3] Cmlp Ops

```

This screen contains the values for the attributes that define the time step of the data and how the data is stored in the wdm file. The amount of space that is available in the data set to store the data is also defined here. 99% of the time these default values will be fine.

Sample IOWDM session -- loading Peak flow data and N-day data

34. Opening Screen / File

```
File (F)-----IOWDM 2.0-----

      Select a File option.

      Open      - an existing WDM file
      Close     - a WDM file
      Build     - and initialize a new WDM file
      Summarize - WDM file contents
      Return    - one level up

-----INSTRUCT-----
      Select an option using arrow keys
      then confirm selection with the F2 key, or
      Type the first letter of an option.

Help:F1 Accept:F2 Cmhlp
```

35. Opening screen / File / Summarize

```
Summary (FS)-----IOWDM 2.0-----

      General Summary

      WDM file stored as class.wdm
      contains 20 records.

      Minimum dataset number is 1.
      Maximum dataset number is 19.

      Dataset Type      Count
      -----
      TIMESERIES        10
      TABLE             1
      -----
      TOTAL              11

-----INSTRUCT-----

      "Accept" command to go to next screen

Accept:F2 Cmhlp
```

The Summarize option under the File menu will produce a brief summary of the contents of a WDM file. The class.wdm file contains 10 time-series data sets (10 low flow data sets for Bird Creek) and 1 table data set (peak flows for Sugar Creek).

A more complete summary of the contents of a WDM file may be obtained using the ANNIE program. The Data / Attributes / Table option is used to produce a table containing the values of user selected attributes for a set of data sets identified by the user.

Sample IOWDM session -- loading Basin characteristics and N-day data

Sample session--screen numbers marked with an * are included in the following pages.

```

# screen
-----
1* Opening screen (File)
2*   File (Build)
*3     Build (va.wdm)
4     File (Return)
5 Opening screen (Input)
6*   Input (Basin)
7*     Basin (Source)
8*       Source (va.bcd)
9     Basin (Options)
10*    Options:      Confirm processing:      No data sets
                                           X      First data set
                                           All data sets
                                           Data-set status: X      New
                                           Find
                                           Existing
                                           Data-set type:  X      Time
                                           Table
                                           First dsn:      1
                                           Increment:     1

11     Basin (Process)
12*    Process (Location)
13*    Location:      TSTYPE = blank
                       ISTAID STAID STANMA STFIPS DSCODE AGENCY
                       TSTYPE = L007

14*    Location
15     Process (Continue)
16     Basin (Return)
17*   Input (n-day)
18*    N-Day (Source)
19*    Source (va.ndy)
20     N-Day (Options)
21*    Options:      Confirm processing:      No data sets
                                           X      First data set
                                           Each station
                                           All data sets
                                           Data-set status: X      New
                                           Find
                                           Enter
                                           First dsn:      36
                                           Minor increment: 1
                                           Major increment: 1
21.a    Options:      cursor moved to find
21.b*   Options:      Find turned on
22     N-day (Process)
23     Process (Location)
24*    Location:      TSTYPE = L007
                       SEASBG = 4 - beginning of season (April)
                       SEASND =3 - end of season (March)

25     Process (Continue)
26     N-day (Return)
27     Input (Return)
28 Opening screen (File)
29*   File (Summarize)
30*   Summary
31     File (Return)
32 Opening screen (Return)

```

Sample IOWDM session -- loading Basin characteristics and N-day data

1. Opening Screen

```
Opening screen IOWDM 2.0

      U.S. Geological Survey, Water Resources Division
      IOWDM - Input / Output for WDM file
      Version 2.0, October 1993

Select an option, or
  File - WDM file management      Help - information about IOWDM
  Input - new data to WDM file     Query - for support
  Output - data from WDM file     Return - to operating system

INSTRUCT
      Select an option using arrow keys
      then confirm selection with the F2 key, or
      Type the first letter of an option.

Help:F1 Accept:F2 Cmhlp
```

2. Opening screen / File (Build)

```
File (F) IOWDM 2.0

      Select a File option.

      Open - an existing WDM file
      Close - a WDM file
      Build - and initialize a new WDM file
      Summarize - WDM file contents
      Return - one level up

INSTRUCT
      Select an option using arrow keys
      then confirm selection with the F2 key, or
      Type the first letter of an option.

Help:F1 Accept:F2 Cmhlp
```

3. Opening screen / File / Build / va.wdm

```
Build (FB) IOWDM 2.0

Enter the name for your new WDM file:
va.wdm

Note: If the file is built successfully, you will be returned to
the "File" screen. If there is a problem building the file
you will be asked if you want to try again.

INSTRUCT
      Enter data in highlighted field(s).
      Use carriage return or arrow keys to enter data and move between fields.
      Use "Accept" command to go to next screen when done entering data.

Accept:F2 Prev:F4 Limits:F5 Cmhlp Ops
```


Sample IOWDM session -- loading Basin characteristics and N-day data

10. Opening screen / Input / Basin / Options

```

Options (IBO)-----IOWDM 2.0-----
                Select data set processing options:

Confirm processing for:      Data-set status:      Data-set type:
  No data sets              X New              X Time
  X First data set         Find              Table
  All data sets            Existing

First dsn:      1
Increment:      1

-----INSTRUCT-----
Option field: use space bar to toggle between ON (X) and OFF ( ).
Use carriage return or arrow keys to move between fields.
Use "Accept" command to go to next screen when done entering data.

Help: [F1]  Accept: [F2]  Limits: [F3]  Cmhlp  Ops
    
```

Confirm Processing:	No data sets	The input file will be read and processed with no additional user interaction.
	First data set	The user will have the opportunity to enter or modify attributes for the first set of data from the input file. Space and Time attributes and some of the Location attributes will carry on for the rest of the sets of data in the input file.
	All data sets	The user will have the opportunity to enter or modify attributes for every set of data from the input file.
Data-set status	New	Each set of data in the input file will be written to a new data set in the wdm file.
	Find	The program will try to Find an existing data set in the wdm file that corresponds to this set of data. The program will check for the attributes TSTYPE, ISTAID or STAID, and for data set type (time or table)
	Existing	The user will be asked to specify existing data sets for each set of data in the input file.
Data-set type	Time / Table	Basin characteristics may be stored in a time-series data set or a table data set. The type of data set is determined by the intended use of the data. Peak flow data may be stored in a time-series data set or a table data set. N-day data is always stored in a time-series data set.
	First dsn	The user may specify a starting data set for new data sets or for when an existing data set can not be found.
	Increment:	The user may specify the increment to be used between new data-set numbers.

Sample IOWDM session -- loading Basin characteristics and N-day data

12. Opening screen / Input / Basin / Process (Location)

```
-----Process (IBP)-----IOWDM 2.0-----  
  
Select a processing option  
Describe data set: Location and description  
                  Space and time  
Determine data set: Number  
Processing options: Continue processing this input file  
  
-----INSTRUCT-----  
Select an option using arrow keys  
then confirm selection with the F2 key, or  
Type the first letter of an option.  
  
Help:F1 Accept:F2 Cmhlp
```

13. Opening screen / Input / Basin / Process / Location (TSTYPE = blank)

```
-----Location and Description (IBPL)-----IOWDM 2.0-----  
Enter or modify optional attributes as desired:  
  
ISTAID 1613900   STAID  01613900  
TSTYPE          STANAM HOGUE CREEK NEAR HAYFIELD VA  
  
STFIPS  51  
DSCODE  51  
AGENCY  
  
-----INSTRUCT-----  
Enter data in highlighted field(s).  
Use carriage return or arrow keys to enter data and move between fields.  
Use 'Accept' command to go to next screen when done entering data.  
  
Help:F1 Accept:F2 Limits:F5 Cmhlp Oops
```

14. Opening screen / Input / Basin / Process / Location (TSTYPE = L007)

```
-----Location and Description (IBPL)-----IOWDM 2.0-----  
Enter or modify optional attributes as desired:  
  
ISTAID  1613900   STAID  01613900  
TSTYPE L007     STANAM HOGUE CREEK NEAR HAYFIELD VA  
  
STFIPS  51  
DSCODE  51  
AGENCY  
  
-----INSTRUCT-----  
Enter data in highlighted field(s).  
Use carriage return or arrow keys to enter data and move between fields.  
Use 'Accept' command to go to next screen when done entering data.  
  
Help:F1 Accept:F2 Limits:F5 Cmhlp Oops
```


Sample IOWDM session -- loading Basin characteristics and N-day data

21. & 21.b. Opening screen / Input / N-day / Options

```

Options (INO)-----IOWDM 2.0
  Select data set processing options:
Confirm processing for:      Data-set status:
  No data sets              X New
  X First data set          Find
  Each station              Enter
  All data sets

First dsn:      36
Minor increment: 1
Major increment: 1

-----INSTRUCT-----
Option field: use space bar to toggle between ON (X) and OFF ( ).
Use carriage return or arrow keys to move between fields.
Use "Accept" command to go to next screen when done entering data.

Help: [F1] Accept: [F2] Limits: [F3] Cmhlp Oops
    
```

```

Options (INO)-----IOWDM 2.0
  Select data set processing options:
Confirm processing for:      Data-set status:
  No data sets              New
  X First data set          X Find
  Each station              Enter
  All data sets

First dsn:      36
Minor increment: 1
Major increment: 1

-----INSTRUCT-----
Option field: use space bar to toggle between ON (X) and OFF ( ).
Use carriage return or arrow keys to move between fields.
Use "Accept" command to go to next screen when done entering data.

Help: [F1] Accept: [F2] Limits: [F3] Cmhlp Oops
    
```

<p>Confirm Processing:</p> <p style="padding-left: 40px;">No data sets</p> <p style="padding-left: 40px;">First data set</p> <p style="padding-left: 40px;">Each station</p> <p style="padding-left: 40px;">All data sets</p> <p style="padding-left: 80px;">First dsn: 1</p> <p style="padding-left: 80px;">Minor increment: 1</p> <p style="padding-left: 80px;">Major increment: 1</p>	<p>Input processed with no additional user interaction.</p> <p>The user will have the opportunity to enter or modify attributes for the first set of data from the input file. Space and Time attributes and some of the Location attributes will carry on for the rest of the sets of data in the input file.</p> <p>The user will have the opportunity to enter or modify attributes for each station from the input file. The attributes will carry on for all sets of data for that station.</p> <p>The user will have the opportunity to enter or modify attributes for every set of data from the input file. First set of data will be stored in this data set. Between sets of data for a station. Between stations.</p>
---	--

Sample IOWDM session -- loading Basin characteristics and N-day data

29. Opening screen / File (Summarize)

```
File (F)-----IOWDM 2.0-----

          Select a File option.

Open      - an existing WDM file
Close     - a WDM file
Build     - and initialize a new WDM file
Summarize - WDM file contents
Return   - one level up

-----INSTRUCT-----
          Select an option using arrow keys
          then confirm selection with the F2 key, or
          Type the first letter of an option.

Help: F1  Accept: F2  Cmhlp
```

30. Opening screen / Summarize

```
Summary (FS)-----IOWDM 2.0-----

          General Summary

          WDM file stored as va.wdm
          contains 40 records.

          Minimum dataset number is 1.
          Maximum dataset number is 36.

          Dataset Type      Count
          -----
          TIMESERIES        36
          -----
          TOTAL              36

-----INSTRUCT-----

          "Accept" command to go to next screen

Accept: F2  Cmhlp
```

The Summarize option under file shows that there are 36 data sets in the wdm file.

Sample IOWDM session -- loading Daily data

Sample session--screen numbers marked with an * are included in the following pages.

```

#  screen
--  -----
1  Opening screen (File)
2      File (Build)
3          Build (sand.wdm)
4      File (Return)
5  Opening screen (Input)
6      Input (Daily)
7          Daily (Source)
8              Source (sand.gsd)
9          Daily (Options)
10.a              Options:      Confirm processing:      No data sets
                                                X      First data set
                                                All data sets
                                                Data-set status:      X      New
                                                Find
                                                Enter
                                                First dsn:      1
                                                Increment:      1
10.b              Options:      First dsn:      20
11          Daily (Process)
12              Process (Location)
13                  Location
14              Process (Space)
15.a                  Space and Time:      TSFILL:      -99999.0
15.b                  Space and Time:      TSFILL:      0.0
16              Process (Continue)
17          Daily (Return)
18      Input (Return)
19  Opening screen (File)
20      File (Summarize)
21          Summary
22      File (Return)
23  Opening screen (Return)

```

Sample IOWDM session -- loading Daily data

1. Opening screen (File)

```
Opening screen IOWDM 2.0

      U.S. Geological Survey, Water Resources Division
      IOWDM - Input / Output for WDM file
      Version 2.0, October 1993

Select an option,          or
  File - WDM file management  Help - information about IOWDM
  Input - new data to WDM file Query - for support
  Output - data from WDM file  Return - to operating system

INSTRUCT
      Select an option using arrow keys
      then confirm selection with the F2 key, or
      Type the first letter of an option.

Help:F1 Accept:F2 Cmhelp
```

2. Opening screen / File (Build)

```
File (F) IOWDM 2.0

      Select a File option.

      Open - an existing WDM file
      Close - a WDM file
      Build - and initialize a new WDM file
      Summarize - WDM file contents
      Return - one level up

INSTRUCT
      Select an option using arrow keys
      then confirm selection with the F2 key, or
      Type the first letter of an option.

Help:F1 Accept:F2 Cmhelp
```

3. Opening screen File / Build (sand.wdm)

```
Build (FB) IOWDM 2.0

Enter the name for your new WDM file:
sand.wdm

Note: If the file is built successfully, you will be returned to
the "File" screen. If there is a problem building the file
you will be asked if you want to try again.

INSTRUCT
      Enter data in highlighted field(s).
      Use carriage return or arrow keys to enter data and move between fields.
      Use 'Accept' command to go to next screen when done entering data.

Accept:F2 Prev:F4 Limits:F5 Cmhelp Oops
```

Sample IOWDM session -- loading Daily data

6. Opening screen / Input (Daily)

```
Input (I)-----IOWDM 2.0-----  
  
Select an input format:  Watstore  Generic flat  
                        DAILY      COLUMNS  
                        UNIT        OTHER  
                        BASIN  
                        PEAK  
                        N-DAY  
  
Or RETURN to opening screen  
  
-----INSTRUCT-----  
Select an option using arrow keys  
then confirm selection with the F2 key, or  
Type the first letter of an option.  
  
Help:F1 Accept:F2 Cmhlp
```

7. Opening screen / Input / Daily (Source)

```
Daily (ID)-----IOWDM 2.0-----  
  
Select an input option:  
  
Source - open a source file  
Options - for input, output, and processing  
Process - the input file  
  
Return - to Input screen  
  
-----INSTRUCT-----  
Select an option using arrow keys  
then confirm selection with the F2 key, or  
Type the first letter of an option.  
  
Help:F1 Accept:F2 Cmhlp
```

8. Opening screen / Input / Daily / Source (sand.gsd)

```
Source (IDS)-----IOWDM 2.0-----  
  
Name of file for input?  
sand.gsd  
  
-----INSTRUCT-----  
Enter data in highlighted field(s).  
Use carriage return or arrow keys to enter data and move between fields.  
Use 'Accept' command to go to next screen when done entering data.  
  
Help:F1 Accept:F2 Prev:F4 Limits:F5 Cmhlp Oops
```

Sample IOWDM session -- loading Daily data

10.a. Opening screen / Input / Daily / Option

```

Options (IDO)-----IOWDM 2.0-----
      Select data set processing options:
Confirm processing for:      Data-set status:
   No data sets           New
   First data set      Find
   All data sets          Enter

First dsn:      1
Increment:      1

-----INSTRUCT-----
Option field: use space bar to toggle between ON (X) and OFF ( ).
Use carriage return or arrow keys to move between fields.
Use 'Accept' command to go to next screen when done entering data.

Help: F1 Accept: F2 Limits: F3 Cmhlp Oops
  
```

Confirm Processing:	No data sets	The input file will be read and processed with no additional user interaction.
	First data set	The user will have the opportunity to enter or modify attributes for the first set of data from the input file. Space and Time attributes and some of the Location attributes will carry on for the rest of the sets of data in the input file.
	All data sets	The user will have the opportunity to enter or modify attributes for every set of data from the input file.
Data-set status	New	Each set of data in the input file will be written to a new data set in the wdm file.
	Find	The program will try to Find an existing data set in the wdm file that corresponds to this set of data. The program will check for the attributes TSTYPE, ISTAID or STAID, and for data set type (time or table)
	Enter	The user will be asked to specify existing data sets for each set of data in the input file.
First dsn		The user may specify a starting data set for new data sets or for when an existing data set can not be found.
Increment:		The user may specify the increment to be used between new data-set numbers.

Sample IOWDM session -- loading Daily data

10.b Opening screen / Input / Daily / Option

```
Options (ID0)-----IOWDM 2.0
      Select data set processing options:
Confirm processing for:      Data-set status:
      No data sets           X New
      X First data set       Find
      All data sets         Enter

First dsn: 20
Increment: 1

-----INSTRUCT-----
      Enter data in highlighted field(s).
      Use carriage return or arrow keys to enter data and move between fields.
      Use 'Accept' command to go to next screen when done entering data.

Help:F1 Accept:F2 Limits:F3 Cmhlp Oops
```

The First dsn was changed from 1 to 20. This was done so that the data sets would be numbered in a particular order significant to the user. In general, there is not particular reason to specify a particular data set number. For most models the data is identified by the data-set numbers the user enters into the model.

13. Opening screen / Input / Daily / Process / Location

```
Location and Description (IDPL)-----IOWDM 2.0
Enter or modify optional attributes as desired:

  ISTAID 6714310      STAID 06714310
  TSTYPE PREC        STANAM Sand Creek near Denver, Colorado

  LATDEG 0.0  PARMCD 45  STFIPS 0  HUCODE 0  DATUM 0.0
  LNGDEG 0.0  STATCD 6   DSCODE 0  SITECO none  WELLDP 0.0
                                COCODE 0  AQTYPE none  BASEQ 0.0
  DAREA 0.0
  CONTDA 0.0
                                GUCODE
                                AGENCY

-----INSTRUCT-----
      Enter data in highlighted field(s).
      Use carriage return or arrow keys to enter data and move between fields.
      Use 'Accept' command to go to next screen when done entering data.

Help:F1 Accept:F2 Limits:F3 Cmhlp Oops
```

Most of the information on this screen can be found on the station header records. The station header records are an optional part of the daily values input file. The TSTYPE field is defaulted to a value based on the parameter (PARMCD) and statistics (STATCD) codes in the file (PREC in this case), but may be modified by the user. While all of these fields are optional as far as iowdm is concerned, some of them may be required by an application. Values of "0", "0.0", and "none" indicate a value is not defined for the field.

Sample IOWDM session -- loading Daily data

15.a & 15.b. Opening screen / Input / Daily / Process / Space and Time

```
Space and Time (IDPS)-----IOWDM 2.0
                                Modify as required:

Time step and form attributes:      Space allocation for data set:
base year (TSBYR) 1973             Max no. of attributes  35
time step (TSSTEP,TCODE) 1 DAY     Space for attributes   70
data groups (TGROUP) YEAR         Max no. of data groups 150
form of data (TSFORM) MEAN
compression (COMPFG) COMPRESSED    -----
variable time (VBTIME) CONSTANT    total <= 400
filler value (TSFILL) -99999.0
```

```
-----INSTRUCT-----
                                Enter data in highlighted field(s).
                                Use carriage return or arrow keys to enter data and move between fields.
                                Use 'Accept' command to go to next screen when done entering data.
```

Help: F1 Accept: F2 Limits: F5 Cmhlp Ops

```
Space and Time (IDPS)-----IOWDM 2.0
                                Modify as required:

Time step and form attributes:      Space allocation for data set:
base year (TSBYR) 1973             Max no. of attributes  35
time step (TSSTEP,TCODE) 1 DAY     Space for attributes   70
data groups (TGROUP) YEAR         Max no. of data groups 150
form of data (TSFORM) MEAN
compression (COMPFG) COMPRESSED    -----
variable time (VBTIME) CONSTANT    total <= 400
filler value (TSFILL) 0.0
```

```
-----INSTRUCT-----
                                Enter data in highlighted field(s).
                                Use carriage return or arrow keys to enter data and move between fields.
                                Use 'Accept' command to go to next screen when done entering data.
```

Help: F1 Accept: F2 Limits: F5 Cmhlp Ops

This screen contains information defining how much data can be stored in the data sets and how it will be stored. The field most often modified on this screen is the filler value (TSFILL), used when a data value is missing. The value entered will depend on the type of data, and the application that will be using the data. The values most often used are -99999. and 0.0.

The space for attributes is slightly larger than the number of attributes because character attributes require a space for every 4 characters of the value of the attribute (i.e. STANAM may be up to 48 characters long, so requires 12 spaces).

Sample IOWDM session -- loading Daily data

16. Opening screen / Input / Daily / Process (Continue)

Screen not shown

Continue must be selected so that the program will continue reading and processing the data in the input file.

20. Opening screen / File / Summarize

Screen not shown

The Summarize option under the File menu will produce a brief summary of the contents of a WDM file. It will tell you:

- how many data sets are in the file
- how many of each type of data set are in the file
- the lowest data-set number in the file
- the highest data-set number in the file

A more complete summary of the contents of a WDM file may be obtained using the ANNIE program. The Data / Attributes / Table option is used to produce a table containing the values of user selected attributes for a set of data sets identified by the user.

Sample IOWDM sessions: Flat file formats for Time-series data and Attribute data

Sample session

screen numbers marked with * are included in the following pages

1	Opening screen (File)		
2	File (Open)		
3	Open (shena.wdm)		
4	Return		
5*	Opening screen (Input)		
6*	Input (Timeseries)		
7*	Timeseries (SOurce)		
8*	Source:	file name: dooms.rdb	
		lines to skip: 39	
9	Timeseries (Format)		
10*	Format:	format: y4,x1,m2,x1,d2,f9,v9.0	
11	Timeseries (Dataset)		
12*	Dataset:	data-set number: 138	
		data-set status: new	
13	Timeseries (Location and description)		
14*	Location...:	istaid: 1626850	
		staid: 01626850	
		tstype: flow	
		stanam: South River...	
15	Timeseries (Time)		
16*	Time	tsbyr: 1983	compft: compr
		tsstep: 1	vbtime: const
		tcode: day	tsfill: -99999
		tgroup: year	time tab: begin
		tsform: mean	qual code: 0
17	Timeseries (SPace)		
18*	SPace	Max no. attr: 35	
		Space for attr: 70	
		Max no. data groups: 150	
19	Timeseries (Process)		
20*	Process - processing		
21*	Process - completed		
22	Timeseries (Return)		
23	Input (Return)		
24	Opening screen (Return)		

Sample IOWDM sessions: Flat file formats for Time-series data and Attribute data

5. Opening screen (Input)

```
Opening screen IOWDM 2.2

      U.S. Geological Survey
      IOWDM - Input / Output for WDM file
      Version 2.2, March 1, 1996

Select an option, or
File - WDM file management      Help - information about IOWDM
Input - new data to WDM file     Query - for support
Output - data from WDM file      Return - to operating system

- INSTRUCT -
      Select an option using arrow keys
      then confirm selection with the F2 key, or
      Type the first letter of an option.

Help: F1 Accept: F2 CmHlp
```

6. Opening screen / Input (Timeseries)

```
Input (I) IOWDM 2.2

      Select an input format:  Watstore   Generic flat
                               DAILY     TIMESERIES
                               UNIT      ATTRIBUTES
                               BASIN
                               PEAK
                               N-DAY

      Or RETURN to opening screen

- INSTRUCT -
      Select an option using arrow keys
      then confirm selection with the F2 key, or
      Type the first letter of an option.

Help: F1 Accept: F2 CmHlp
```

Sample IOWDM sessions: Flat file formats for Time-series data and Attribute data

7. Opening screen / Input / Timeseries (SOurce)

```
Timeseries (IT)-----IOWDM 2.2-----  
  
Select a Timeseries option:  
  
Define the following:                Modify data-set parameters as needed:  
Source - file containing data        Location and description  
Format - of data on source file      Time parameters  
Dataset - for storing data           SSpace parameters  
  
Process - the input source file  
  
Return - to Input screen  
  
-----INSTRUCT-----  
                Select an option using arrow keys  
                then confirm selection with the F2 key, or  
                Type the first letter of an option.  
-----  
Help: F1  Accept: F2  Cmhelp
```

8. Opening screen / Input / Timeseries / SOurce

```
Source (ITS)-----IOWDM 2.2-----  
  
Name of file for input:  
[dooms.rdb                                     ]  
  
Number of header lines in file: [39] ]  
  
-----INSTRUCT-----  
                Enter data in highlighted field(s).  
                Use carriage return or arrow keys to enter data and move between fields.  
                Use 'Accept' command to go to next screen when done entering data.  
-----  
Help: F1  Accept: F2  Prev: F4  Limits: F5  Cmhelp  Oops
```

Sample IOWDM sessions: Flat file formats for Time-series data and Attribute data

10. Opening screen / Input / Timeseries / Format

```
Format (ITF)-----IOWDM 2.2-----  
Specify format for data being read from source file:  
[y4,x1,m2,x1,d2,f9,v9.0]  
Beginning of source file:  
# 1 1984.01.01-1993.09.30  
Date Discharge  
10s 8n  
1984.01.01 295  
1984.01.02 271  
  
-----INSTRUCT-----  
Enter data in highlighted field(s).  
Use carriage return or arrow keys to enter data and move between fields.  
Use 'Accept' command to go to next screen when done entering data.  
Help: F1 Accept: F2 Prev: F4 Limits: F5 Cmhlp Oops
```

12. Opening screen / Input / Timeseries / Dataset

```
Dataset (ITD)-----IOWDM 2.2-----  
Specify target Data-set and status:  
Data-set number: [138]  
Data-set status: X New  
Find  
Enter  
  
-----INSTRUCT-----  
Enter data in highlighted field(s).  
Use carriage return or arrow keys to enter data and move between fields.  
Use 'Accept' command to go to next screen when done entering data.  
Help: F1 Accept: F2 Prev: F4 Limits: F5 Cmhlp Oops
```

Sample IOWDM sessions: Flat file formats for Time-series data and Attribute data

14. Opening screen / Input / Timeseries / Location and description

```
Location and Description (ITL)-----IOWDM 2.2
Enter or modify optional attributes as desired:

  ISTAID  1626850      STAID  01626850
  TSTYPE  FLOW        STANAM  SOUTH RIVER NEAR DOOMS, VA

-----INSTRUCT-----
Enter data in highlighted field(s).
Use carriage return or arrow keys to enter data and move between fields.
Use 'Accept' command to go to next screen when done entering data.

Help: F1 Accept: F2 Prev: F4 Limits: F3 Cmhlp Oops
```

16. Opening screen / Input / Timeseries / Time

```
Time (ITT)-----IOWDM 2.2
Modify Time parameters as required:

base year (TSBYR)      [1983]      compression (COMPFG) [COMPRESSED ]
time step (TSSTEP)    [ 1 ]      variable time (VBTIME) [CONSTANT]
time units (TCODE)    [DAY  ]      filler value (TSFILL) [ -99999]
data groups (TGROUP) [YEAR  ]      time tag               [BEGIN]
form of data (TSFORM) [MEAN  ]      quality code           [0 ]

Start: Yr [ 0 ] Mo [ 0 ] Dy [ 0 ] Hr [ 0 ] Mi [ 0 ] Se [ 0 ]
End:   Yr [ 0 ] Mo [ 0 ] Dy [ 0 ] Hr [ 0 ] Mi [ 0 ] Se [ 0 ]

-----INSTRUCT-----
Enter data in highlighted field(s).
Use carriage return or arrow keys to enter data and move between fields.
Use 'Accept' command to go to next screen when done entering data.

Help: F1 Accept: F2 Prev: F4 Limits: F3 Cmhlp Oops
```

Sample IOWDM sessions: Flat file formats for Time-series data and Attribute data

18. Opening screen / Input / Timeseries / SPace

```
Space (ITS)-----IOWDM 2.2-----
Space allocation for data set:
Max no. of attributes > 135 (nsa)
Space for attributes > 70 (nsp)
Max no. of data groups > 150 (ndp)
                -----
                nsa + 2*nsp + ndp <= 472

-----INSTRUCT-----
                Enter data in highlighted field(s).
                Use carriage return or arrow keys to enter data and move between fields.
                Use 'Accept' command to go to next screen when done entering data.

Help:F1  Accept:F2  Prev:F4  Limits:F3  CmHlp  Oops
```

20. Opening screen / Input / Timeseries / Process - processing

```
Process (ITP)-----IOWDM 2.2-----

                Time-series data from source file being added to dsn 138.█
```

Sample IOWDM sessions: Flat file formats for Time-series data and Attribute data

21. Opening screen / Input / Timeseries / Process - completed processing

```
Process (ITP)-----IOWDM 2.2-----  
  
Time-series data from source file being added to dsn 138.  
Data successfully processed from flat file  
  
-----INSTRUCT-----  
"Accept" command to go to next screen  
  
Accept: F2 Prev: F4 Cmhlp
```

Sample IOWDM sessions: Flat file formats for Time-series data and Attribute data

Sample session--Attributes, column input of attribute values
screen numbers marked with an * are included in the following pages

```
a[6-10]
6*      Input (Attributes)
7*      Attributes:Column input
              file: base_31.tfl
              header lines: 2
              confirm processing: First
8*      Column:      names
              format
9*      Column:      information - dsn column
10*     Column: information - completed
11      Input (Return)
12      Opening screen (Return)
```

6. Opening screen / Input

```
Input (I)-----IOWDM 2.2-----
Select an input format:  Watstore   Generic flat
                        DAILY      TIMESERIES
                        UNIT        ATTRIBUTES
                        BASIN
                        PEAK
                        N-DAY
Or RETURN to opening screen

-----INSTRUCT-----
Select an option using arrow keys
then confirm selection with the F2 key, or
Type the first letter of an option.
Help: F1 Accept: F2 Cmhelp
```

Sample IOWDM sessions: Flat file formats for Time-series data and Attribute data

7. Opening screen / Input / Attributes

```
Attributes (IA)-----IOWDM 2.2
Select a method for entering attribute values:
  Single attribute name/value pair entry      OR
  X Column input of attribute values

File name containing attributes:
[base_s1.tfl]                                ]
Number of header lines in file [2]

If new data sets encountered, confirm processing for:
No new data sets
X First new data set
All new data sets
```

```
-----INSTRUCT-----
Enter data in highlighted field(s).
Use carriage return or arrow keys to enter data and move between fields.
Use 'Accept' command to go to next screen when done entering data.
```

Help: F1 Accept: F2 Prev: F4 Limits: F5 Cmhlp Oops

8. Opening screen / Input / Attributes / Column - 1

```
Column (IA) Attribute Entry-----IOWDM 2.2
Names: [dsn ] [staud ] [tstype] [idscen] [idcons] [idlocn] [latdeg]
        [lngdeg] [darea ] [stanam] [ ] [ ] [ ] [ ]
Format: [v4,1x,v16,1x,v4,3x,4v,3x,4v,3x,v8,2v7,1x,v7,1x,v48]
Replace any existing attribute values on data sets [NO ]

Beginning of source file:
Names: dsn staid tstype idscen idcons idlocn latdeg lngdeg darea stanam
Format: [v4,1x,v16,1x,v4,3x,v4,3x,v4,3x,v8,2v7,1x,v7,1x,v48]
1580 01622000 FLOW BASE FLOW BURKETOW 38.34 78.91 373.0 NOR
>TH RIVER NEAR BURKETOWN, VA
1590 01628500 FLOW BASE FLOW LYNNWOOD 38.32 78.75 1081.0 S F
> SHENANDOAH RIVER NEAR LYNNWOOD, VA
1640 01624300 FLOW BASE FLOW VERONA 38.24 79.04 179.0 MID
>DLE RIVER NEAR VERONA, VA
```

```
-----INSTRUCT-----
Enter data in highlighted field(s).
Use carriage return or arrow keys to enter data and move between fields.
Use 'Accept' command to go to next screen when done entering data.
```

Help: F1 Accept: F2 Prev: F4 Limits: F5 Cmhlp Oops

Sample IOWDM sessions: Flat file formats for Time-series data and Attribute data

9. Opening screen / Input / Attributes / Column - 2

```
Column (IA) Attribute Entry IOWDM 2.2
-----
Processed 9 name(s) of attributes, DSN in pos: 1

INSTRUCT
-----
"Accept" command to go to next screen

Help: F1 Accept: F2 Prev: F4 CmHlp
```

10. Opening screen / Input / Attributes / Column - 3

```
Column (IA) Attribute Entry IOWDM 2.2
-----
Number of attribute values read differs from number defined by FORMAT.
Number of attribute values read differs from number defined by FORMAT.
Number of attribute values read differs from number defined by FORMAT.
Number of attribute values read differs from number defined by FORMAT.
Number of attribute values read differs from number defined by FORMAT.
Completed processing of attributes from source file.

INSTRUCT
-----
"Accept" command to go to next screen

Help: F1 Accept: F2 CmHlp
```

Sample IOWDM sessions: Flat file formats for Time-series data and Attribute data

Sample session--Attributes, single attribute name/value pair entry
screen numbers marked with an * are included in the following pages

b[6-10]

6* Input (Attributes)

7* Attributes:Single attribute name/value pair
 file name: base_lw.lfl
 header lines: 0

8* Single: data-set number: 420
 New or Old: new
 replace: no

9* New data set: type: time
 max no attr: 35
 space for attr: 70
 max no data groups: 150

10* New data set: competed processing

11 Input (Return)

12 Opening screen (Return)

6. Opening screen / Input

```
Input (I)-----IOWDM 2.2-----  
  
Select an input format:  Watstore  Generic flat  
                                  DAILY  TIMESERIES  
                                  UNIT  ATTRIBUTES  
                                  BASIN  
                                  PEAK  
                                  N-DAY  
  
Or RETURN to opening screen  
  
-----INSTRUCT-----  
                  Select an option using arrow keys  
                  then confirm selection with the F2 key, or  
                  Type the first letter of an option.  
Help: [F1] Accept: [F2] Cmhlp
```

Sample IOWDM sessions: Flat file formats for Time-series data and Attribute data

7. Opening screen / Input / Attributes

```
Attributes (IA)-----IOWDM 2.2
Select a method for entering attribute values:
  X Single attribute name/value pair entry      OR
  Column input of attribute values

File name containing attributes:
[base_lw.lf1                                     ]
Number of header lines in file [0]

If new data sets encountered, confirm processing for: X No new data sets
                                                         X First new data set
                                                         All new data sets
```

```
-----INSTRUCT-----
                Enter data in highlighted field(s).
Use carriage return or arrow keys to enter data and move between fields.
Use 'Accept' command to go to next screen when done entering data.
```

Help: F1 Accept: F2 Prev: F4 Limits: F3 Cmhlp Oops

8. Opening screen / Input / Attributes / Single

```
Single (IA) Attribute Entry-----IOWDM 2.2
Data-set number [420]
NEW or OLD data set [NEW]

Replace any existing attribute values on data set(s) [NO]
```

```
-----INSTRUCT-----
                Enter data in highlighted field(s).
Use carriage return or arrow keys to enter data and move between fields.
Use 'Accept' command to go to next screen when done entering data.
```

Help: F1 Accept: F2 Prev: F4 Limits: F3 Cmhlp Oops

Sample IOWDM sessions: Flat file formats for Time-series data and Attribute data

9. Opening screen / Input / Attributes / New data set

```
New data set specifications (IA)-----IOWDM 2.2
For data-set number 420, modify as required:

Data-set type [TIMESERIES]

Max no. of attributes [ 35] (nsa)
Space for attributes [ 70] (nsp)
Max no. of data groups [150] (ndp)
                    -----
                    nsa + 2*nsp + ndp <= 472

-----INSTRUCT-----
Enter data in highlighted field(s).
Use carriage return or arrow keys to enter data and move between fields.
Use 'Accept' command to go to next screen when done entering data.

Help: F1 Accept: F2 Prev: F4 Limits: F3 Cmhlp Oops
```

10. Opening screen / Input / Attributes / New data set - completed processing

```
New data set specifications (IA)-----IOWDM 2.2

Completed processing of attributes from source file.

-----INSTRUCT-----

'Accept' command to go to next screen

Help: F1 Accept: F2 Cmhlp
```