

File: PLOTS.DOC

System Menu screen:

| guest | SYSTEM MENU |
|-------------|--|
| -> 1) Plots | - Display Graphical Plots of Data |
| 2) Dert | - Data Entry, Reduction, Transmittal |
| 3) Reports | - Examine Instrumentation Data |
| 4) Log | - Enter / Examine notes (Instrument diary) |
| 5) Upload | - Upload an ascii file TO Denver |
| 6) Download | - Download an ascii file FROM Denver |
| 7) Mail | - Send a FILE to the Denver Office |
| 8) EXIT | - Exit menu and return to command prompt |

For Displaying Graphical Plots of Data, Select PLOTS from the System Menu. You will see the following Plot Menu.

| guest | PLOT MENU |
|----------------|---|
| -> 1) Timeplot | - Plot value vs. time |
| 2) Measplot | - Plot settlement/deflection vs. station/offset |
| 3) Inclplot | - Plot Inclinometer casing deflections |
| 4) Scatplot | - Plot value vs. value |
| 5) Contplot | - Plot contour points |
| 6) Stifplot | - Plot Water Quality Analysis |
| 7) Vectplot | - Plot Point Movement |
| 8) EXIT | - Return to System Menu |

Select the desired Plotting program. After you enter the three letter abbreviation for the desired dam, you will get a menu of the plot file names for the dam. Following is a sample menu of Timeplot group file names for Diamond Creek.

| [A] | [C] | [D] | [NO GROUP] | [X] | [Y] |
|-----------|-----------|-----------|------------|-----------|-----------|
| diaBP-1 | diaSM01 | *rm-vw-01 | *Res_Elev | diaVW-01 | diaOW01 |
| diaIS-1 | | *rm-vw-02 | *diaOW01 | diaVW-02 | diaOW02 |
| diaIS-2 | | *rm-vw-03 | | diaVW-03 | diaOW05 |
| | | *rm-vw-04 | | diaVW-04 | diaOW06 |
| | | *rm-vw-05 | | | |
| | | *rm-vw-06 | | | |
| | | | | | [H]elp |
| [001/003] | [001/001] | [001/006] | [001/002] | [001/004] | [001/004] |

Press following letter for desired option:

- a: Add Plot - create new plot in [GUEST] Group
- c: Copy Plot - copy existing plot to [GUEST] Group to edit
- d: Display Plot - DO NOT DISPLAY TO SCREEN UNLESS EMULATING HP GRAPHICS TERM
- e: Edit Plot - Can ONLY Edit plots in [GUEST] Group
- g: Group Tag - Will tag ALL plots for Group
- ^g: Group Un-Tag - Will remove tag for ALL plots for Group (control-g)
- h: Help - Will show help keys
- m: More - Will show more plot information
- p: Plot to Device - To File, To Your Plotter (if available)
- r: Remove Plot - Can ONLY Remove plots from [GUEST] Group
- s: Save Plot - Make editing changes permanent
- t: Tag Plot - Will Show < before name to show tagged
- u: Un-Tag Plot - Remove tag from plot
- x: Exit

Following is a sample edit screen for plot diaBP-1:

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-----
Title 1: [DIAMOND CREEK DAM ] | Special Options
Title 2: [SETTLEMENT PLATE ] | [N] Plot Grid
Dates from [1989/01/01] to [Present ] by [Year ] | [N] Mark Data w/'x'
| [N] Auto Space Flag
Add/Edit Comments | [N] Overlap Years
Execute Script: [ ] | [N] Black/White
-----
Axis 1 | Axis 2 | Axis 3
RESERVOIR W/S ELEVATION | SETTLEMENT OF PLATE (FT) | SETTLEMENT OF PLATE (FT)
5300.0 5500.0 20.0 | 1.0 -0.5 0.1 | 1.0 -0.5 0.1
Name Field | Name Field | Name Field
Reservoir dm_value | SP-1 bp_move | SP-5 bp_move
| SP-2 bp_move | SP-6 bp_move
| SP-4 bp_move | SP-7 bp_move
-----
Plot [diaBP-1 ] ( 1/ 20) Group [A ] Fig. [ ] Database [DiaCreek]
-----

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Following is sample edit screen for Axis 2:

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Title 1: [DIAMOND CREEK DAM ] | Special Options
Title 2: [SETTLEMENT PLATE ] | [N] Plot Grid
Dates from [1989/01/01] to [Present ] by [Year ] | [N] Mark Data w/'x'
| to Space Flag
Add/Edit Com | Title Axis 2 | erlap Years
Execute Scri | [SETTLEMENT OF PLATE (FT) ] | ack/White
-----
Bot [ 1.000 ] Top [ -0.5000 ] Inc [ 0.1000 ]
Name Field Comment | Axis 3
RESERVOIR W/ | [SP-1 ] [bp_move ] [(STA.36+00 3' EAST) ] | OF PLATE (FT)
5300.0 550 | [SP-2 ] [bp_move ] [(STA.41+00 4' EAST) ] | -0.5 0.1
Name | [SP-4 ] [bp_move ] [(STA.56+00 3' EAST) ] | Field
Reservoir | [ ] [ ] [ ] | bp_move
| [ ] [ ] [ ] | bp_move
| [ ] [ ] [ ] | bp_move
| [ ] [ ] [ ] |
-----
Plot [diaBP-1 ] ( 1/ 20) Group [A ] Fig. [ ] Database [DiaCreek]
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If you have Reflection 7, you can DISPLAY a plot to your screen by moving arrow keys to highlight the desired plot and pressing the letter D for Display Plot.

DO NOT DISPLAY PLOTS TO SCREEN UNLESS YOU HAVE REFLECTION OR SOME OTHER TERMINAL EMULATION PACKAGE THAT EMULATES HEWLETT PACKARD TERMINALS.

If you do not have Reflection 7, you can make plots to a FILE. If you have a color printer/plotter, it may be possible to send plots directly to your device. You can Tag multiple plots for plotting to files or plotting to a device.

For plotting to a file, you will have options of hpg (Hewlett Packard Graphics), dxf (AutoCad), and esp (Postscript).

The file name saved on DAMS will be the same as the plot file name with one of these extensions. Example: If you selected diaOW02, with hpg option, the file in the guest directory would be diaow02.hpg.

You can then transfer the file(s) to your computer.

Note: These files in the guest directory are deleted at midnight, so you should transfer them on the same day you create them. See other documentation for method(s) to transfer files.

After completing the transfer to your computer, you can display the plots to your screen by using a graphics package like WordPerfect Presentations, WordPerfect 5.0, or some other graphics package.