

TIPS from Tech Support

Plotting Drillhole Collars and IDs

There may be times when you wish to distinguish drillholes by type, date, or other criteria by using a different collar symbol for displaying or plotting. Below is a simple method to allow you to do so in MineSight®.

The procedure is to export each type of drillhole, convert the collar file into a MineSight® general survey file, and import the survey file into MineSight®. Once in MineSight® you can select the symbol for that type of drillhole and display the drillhole name.

Step 1. Dumping the drillhole collars to ASCII.

In general, you will be creating three output files using procedure P20701.DAT: one each for the collar, survey, and assays, using names like dat207.c, dat207.s, and dat207.a.

If you wish to use different symbols for different drillhole types, you need to be able to selectively export those types of drillholes. The procedure lets you range on an assay item to select which drillholes to dump or to use the range of surveys to select the drillholes to dump. You must select at least one assay item to dump. Since we are not going to use the assays data, select any item. The third panel in P20701.DAT is the important one, where you specify that you want three data files and their names.

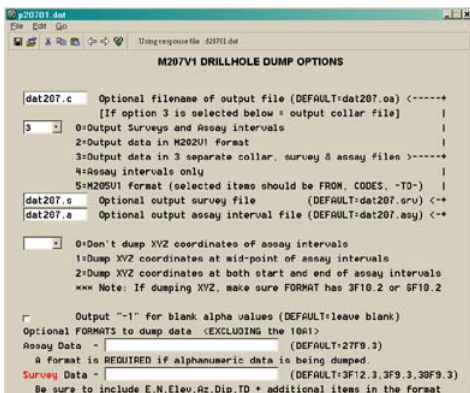


Fig. 1 Dumping collars

MineSight® program M212V1 with procedure P21201.DAT makes it easy to sort the collar file by drillhole name, coordinates, or one of the extra collar items, such as date, driller, or rig. If your drillholes do not have an assay item describing the type of drillhole, but the name of the drillhole reflects the type, e.g., ddh-001 for diamond core hole, aug-001 for auger, or rot-001 for rotary drilling, you can sort the collar file by the name, then list the file out to get the first and last survey number for each type of drilling. Using procedure P20341.DAT in program M204V1, you can list the collar file enabling you to see the drillhole name and the corresponding survey number.

Step 2. Converting the ASCII collar file into a Survey General file using M141V1 and procedure P14101.MET.

These files are from Metech, in Perth, Australia. Contact Technical Support to request these files. P14101.MET is not in the standard menu so we have to specify the procedure in MS2 Compass™.

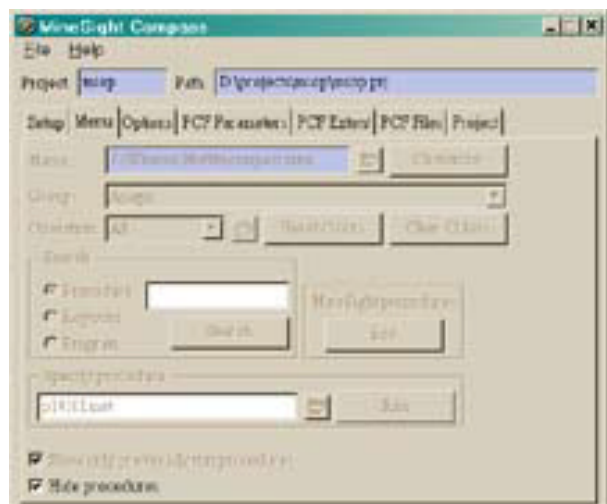


Fig. 2 Specifying P14101

(continued on page 12)

(Plotting Drillhole Collars and IDs continued from page 11)

Using P14101.MET, convert the dat207.c file into collar.srg. Assign a single code to all the collars using the type of drilling; e.g., rotary, bore, auger, or a general label such as dhs.

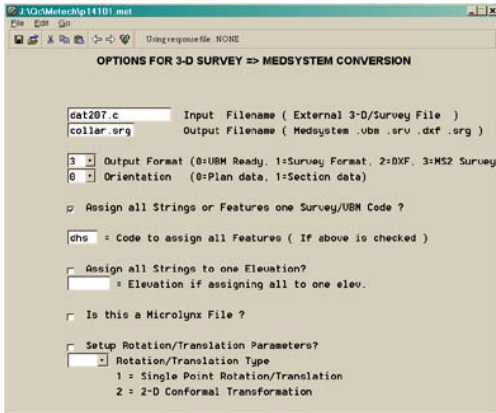


Fig. 2 p14101 panel1

The order of the input items are: PTID, East, North, Elev.

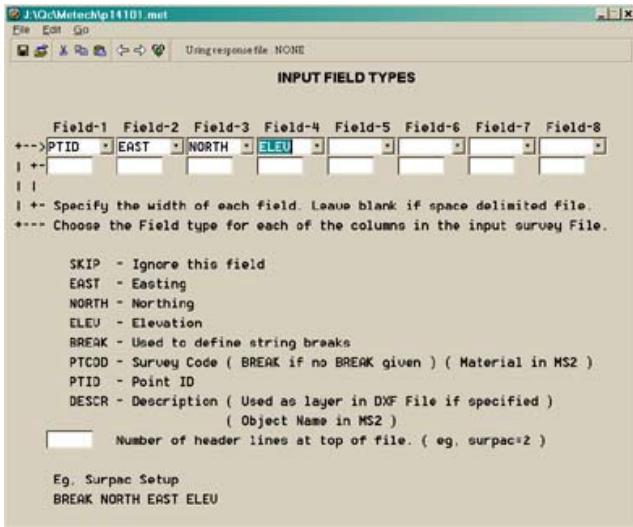
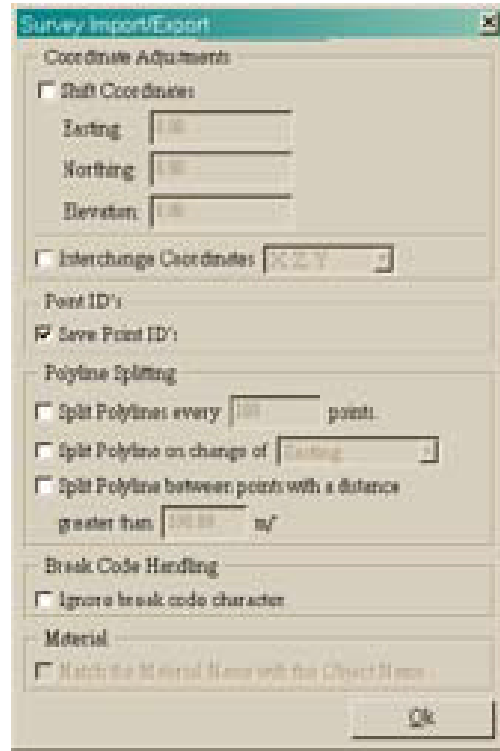


Fig. 3 p14101 panel2

Step 3. Import the survey general file, collar.srg, into the folder where you want to store the drillhole collar points. (Be sure to check the Save Point ID box.)

Fig. 4 Import collars



Step 4. Open the object properties and select the symbol and the size of the symbol. Go to the Node Labels and check the location of the label and select Element name.

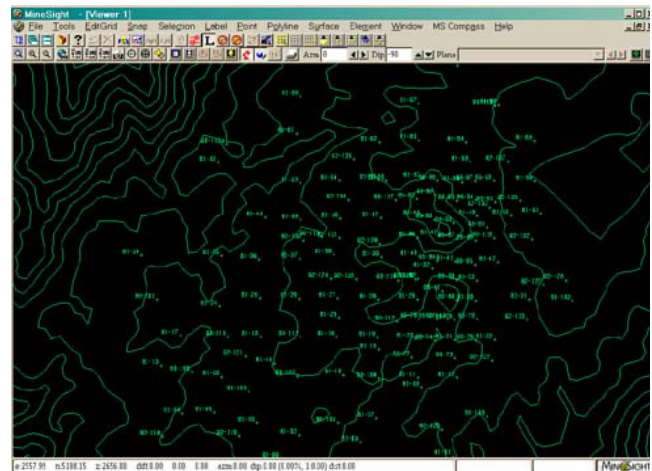


Fig. 5 Collars and topo