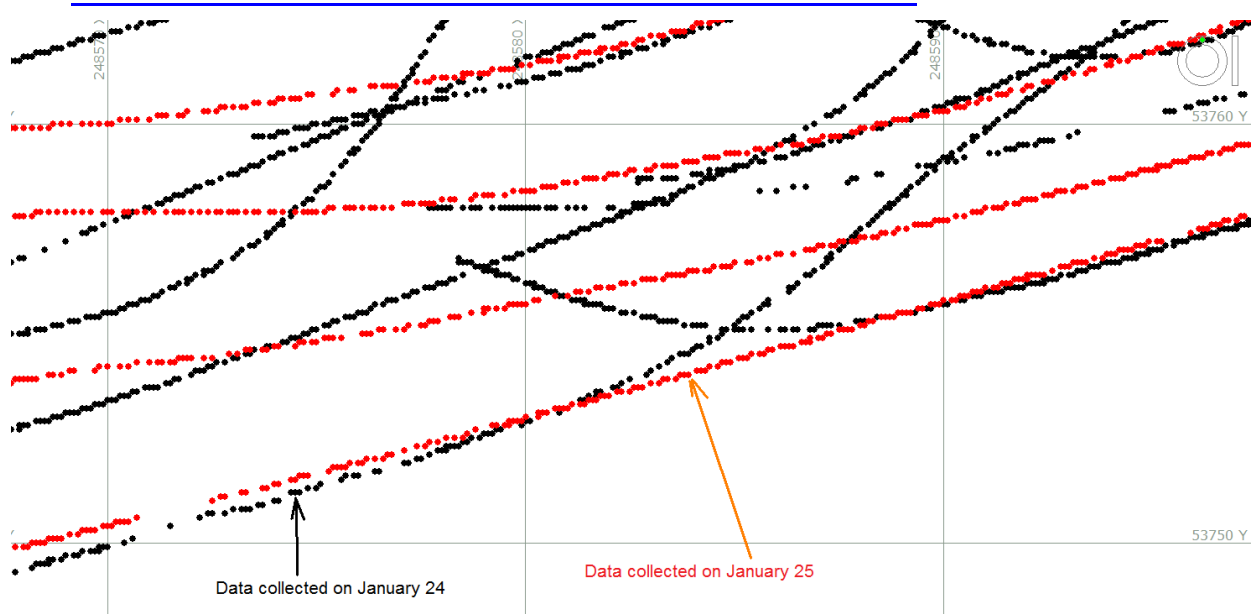# XYZ MANAGER:

A little thing to keep in mind.

By Ivan Izaak

XYZ MANAGER utility is used to clip old XYZ data and paste newer data in its place. You can load multiple XYZ files and get only one combined file.

This is extremely useful where you have multiple, overlapping XYZ files and you would like to combine the data and eliminate the overlapping. In such a case you'd probably like to keep the data from a newer survey and remove the older data. All this is well described in HYPACK training presentations and I should not spend time explaining the same things again. BUT there is a small thing which may cause you to think the program is working in the wrong way.

Let's say, we have surveyed an area on Jan 24, 2010 (black dots on the Fig. 1) and on January 25, 2010 (red dots on the Fig. 1). We'd like to combine these files and save the red points instead of black ones.

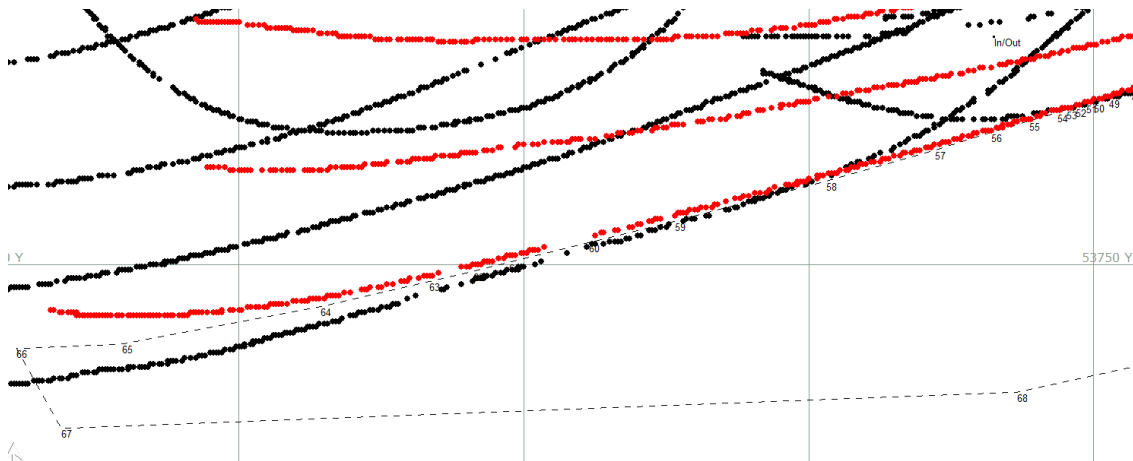**FIGURE 1.** *Area surveyed on different days.*

In this example, the XYZ MANAGER will save the black points from the last southern line instead of red ones. The question is "why?" Let's see.

The XYZ MANAGER creates TIN models for two data sets and then pastes the last TIN over the previous. In our case, the footprint of the PREVIOUS data set is bigger than the footprint of the later one. This is why the older data falls along this outer edge on combining procedure.

Now the second question is "how to avoid such situation?" Well, there are two ways of doing this:

- **Use a border file.**
    a. **We can create a border file around the older (black) points** as shown on the Figure 2. Make sure the In/Out point is outside this area since we are going to exclude these black points later on!

b. **Create a combined XYZ file from both of these files as usual in XYZ Manager**.

c. **"Clip" this combined XYZ file with the border created and resave it.**

That's the first method.

- **Survey the lines so that the data from the later survey has a bigger footprint** than the previous ones.