

Leica FAQ

Question I adjusted my network using control points that some were fixed in position only and some were fixed in height only. Why when I export my points to an ASCII file, I don't see the correct coordinates for these control points?

Background You must be careful selecting the correct coordinate class when exporting ASCII data. Typically you usually select the coordinate class "Main" when you wish to export the highest class of coordinates or you select "Current" to export the current class of coordinates.

But what happens when you don't fix all three coordinates (North, East, and Height) and you adjust them using the adjustment module? Now a point (in essence) has two classes: Control and Adjusted.

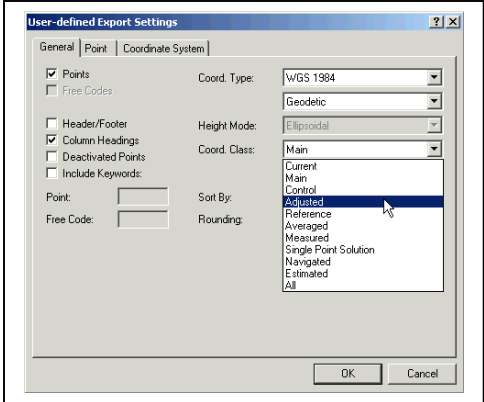
Answer When exporting adjusted data in an ASCII format where a control point was not fixed in all three dimensions, you must select "Adjusted" as the coordinate class. See the step-by-step procedure below.

Step	Action	Display												
1	<p>From the Main menu in SKI-Pro:</p> <ul style="list-style-type: none"> Click on the Export pull down menu. Select "ASCII...". <p>This opens the "Save File As..." window.</p>	<table border="1"> <thead> <tr> <th>Point Class</th> <th>Start</th> <th>End</th> </tr> </thead> <tbody> <tr> <td>Control</td> <td>10/08/1999 09:38:55</td> <td>10/08/1999 09:41:25</td> </tr> <tr> <td>Control</td> <td>10/08/1999 09:41:25</td> <td>10/08/1999 09:41:25</td> </tr> <tr> <td>Control</td> <td>10/08/1999 09:41:25</td> <td>10/08/1999 09:41:25</td> </tr> </tbody> </table>	Point Class	Start	End	Control	10/08/1999 09:38:55	10/08/1999 09:41:25	Control	10/08/1999 09:41:25	10/08/1999 09:41:25	Control	10/08/1999 09:41:25	10/08/1999 09:41:25
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2	<p>In the "Save File As..." window:</p> <ul style="list-style-type: none"> Press the Settings... button. <p>This takes you to the "User-defined Export Settings" window.</p>													

Continued on next page

Exporting adjusted points not fixed in all three dimensions



Step	Action	Display
3	<p>In the “User-defined Export Settings” window:</p> <ul style="list-style-type: none"> • Press the down arrow in the “Coord Class” field. • Select “Adjusted”. • Press the OK button and continue exporting the ASCII data. <p>After you have exported your ASCII data, open the file and review the coordinates you exported. You will see that they are the correctly adjusted coordinates including the coordinates that were held fixed to the known values.</p>	

Conclusion

Remember to change the coordinate class to “Adjusted” when you are exporting points that were not fixed in all three dimensions when you adjusted your data.

Important Note:



Don’t forget to change the Coordinate Class back to whatever coordinate class you typically export ASCII data with. SKI-Pro remembers your last settings and may not want to export “Adjusted” next time.

You may want to create a user-defined export template for exporting adjusted coordinates.

Exporting adjusted points not fixed in all three dimensions