

How can I change all the RTK rover's heights of instruments (HIs)?

Suppose you entered an incorrect height of instrument at the rover receiver. Many measurements were made and you want to correct the error in SKI-Pro without having to change every individual HI, what can you do?

Answer:

The height of instrument can be changed in one step for all points as long as you purchased the data processing option in SKI-Pro.

In SKI-Pro, go to the Data Processing screen.

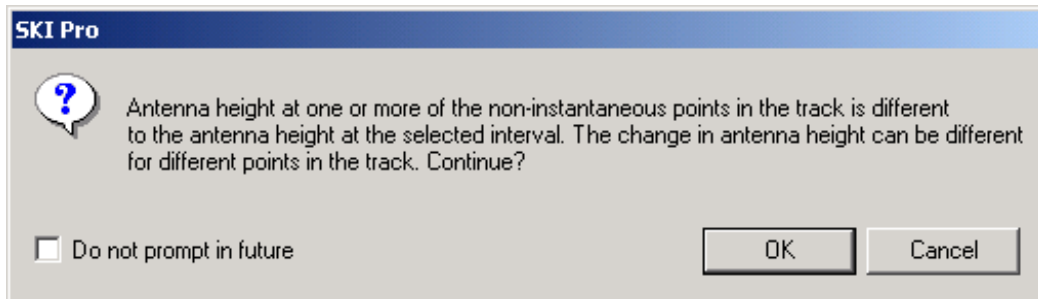
- Right-click on a real-time point that has a wrong HI.
- Select Properties.
- An "Interval Properties (Track)" window appears (see display below).

The screenshot shows the SKI-Pro software interface. A data table is visible in the background with columns for Point Id, Point Class, Start, and time intervals (15:30, 15:45, 16:00). The 'Interval Properties (Track)' dialog box is open, showing the 'Antenna' tab. The 'Height Reading' field is set to 2.0000 m. A red arrow points to this field. Another red arrow points to the checkbox 'Change antenna height for all non-instantaneous points in track'. A diagram of a tripod-mounted antenna is shown on the right side of the dialog box, with labels for 'Phase Centre', 'Horizontal Offset', 'Vertical Offset', 'Slope', and 'Total Vertical'.

Changing Rover HI

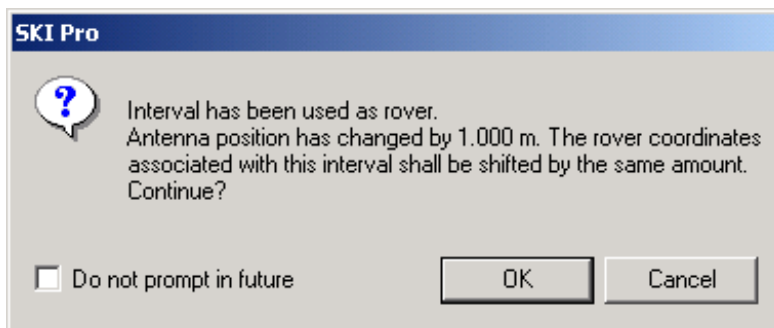
- Change the height in the “Height Reading” field.
- Left-click on the white box besides the title “Change antenna height for all non-instantaneous points in track”.
- Click on the **OK** button.

You may see a warning such as:



If this is acceptable, then click on the **OK** button.

You will then see this warning:



If this is the correct change then press the **OK** button.

Go to the Points screen and verify the changes in elevations.

Note: You will have to compute geoid separations to get new orthometric heights.