

## Editing Antenna Heights

With the introduction of SKI-Pro v2.0 its is now possible to change the antenna height of an interval without deleting the associated baseline result and forcing a re-processing of the data.

This functionality also enables the user to directly correct real-time results, which were in error due to an incorrectly entered antenna height.

### How to Edit Antenna Heights:

All details for a specific interval, including the antenna height, can be found in the 'Data-proc' view. On the left-hand side of the view, a summary of the interval related information is displayed, which includes the antenna height reading.

In order to view and edit the full details for a specific interval, select the interval and invoke the **Properties** item on the context menu:

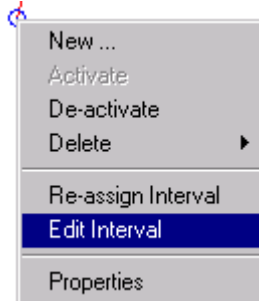
Point Id	Type	Height Reading
B215	Static	1.3970
TP214	Static	1.4950
TP306	Static	1.3090



The **Interval Properties** dialog box will be displayed and the height reading may be modified.

However, if you do not have a security device, or have not purchased the data-processing option, the 'Data-proc' view will not be available. For this reason, access to the Interval property dialog box is also available from the 'View/Edit' view too.

Simply select the point of interest and invoke 'Edit Interval' from the context menu.



### Editing the Antenna Height at the Rover

When modifying the antenna height at a rover interval, the shift in height will directly cause an equivalent and opposite shift in the height of the associated Measured co-ordinates for that point.

For example, reducing the antenna height by 1m shall cause the position of the Measured co-ordinates to increase by 1m in height. To ensure that consistency is maintained, the baseline associated with the Measured point is modified too.

### Editing the Antenna Height at the Reference

When modifying the antenna height at an interval, which has been used as a Reference, all Measured rover co-ordinates which have been computed with respect to the Reference are shifted by the equivalent amount.

For example, increasing the antenna height by 0.5m at the reference causes an increase in height of 0.5m at all of the connected Measured rover positions.

Note that in order to modify the antenna height at a real-time reference, you must

import the reference job, even if the reference station was only used to broadcast RTK messages.

Modifying antenna heights has a direct effect on the associated Measured co-ordinates and baselines. But under no circumstances are the Reference co-ordinates automatically modified when editing antenna heights. This is because the Reference co-ordinates may have been established not only from a previously Measured point but alternatively from an Averaged co-ordinate or indeed a user-entered Control co-ordinate.

However, if the wrong antenna height was used when a point was computed and this point was subsequently used as a Reference point, the Reference co-ordinates would be incorrect. So, how is this situation corrected?

With the introduction of SKI-Pro V2.0 it is now possible for the user to simply edit the Reference co-ordinates directly in the Point Properties dialog box. Changing the Reference co-ordinates causes all connected rover co-ordinates to be shifted by the same amount.

### Remember

- Changing the antenna height at the rover affects the Measured co-ordinates at the rover.
- Changing the antenna height at the Reference affects the Measured co-ordinates of all the connected rover points.
- To modify the antenna height at a real-time reference, you must import the reference job.