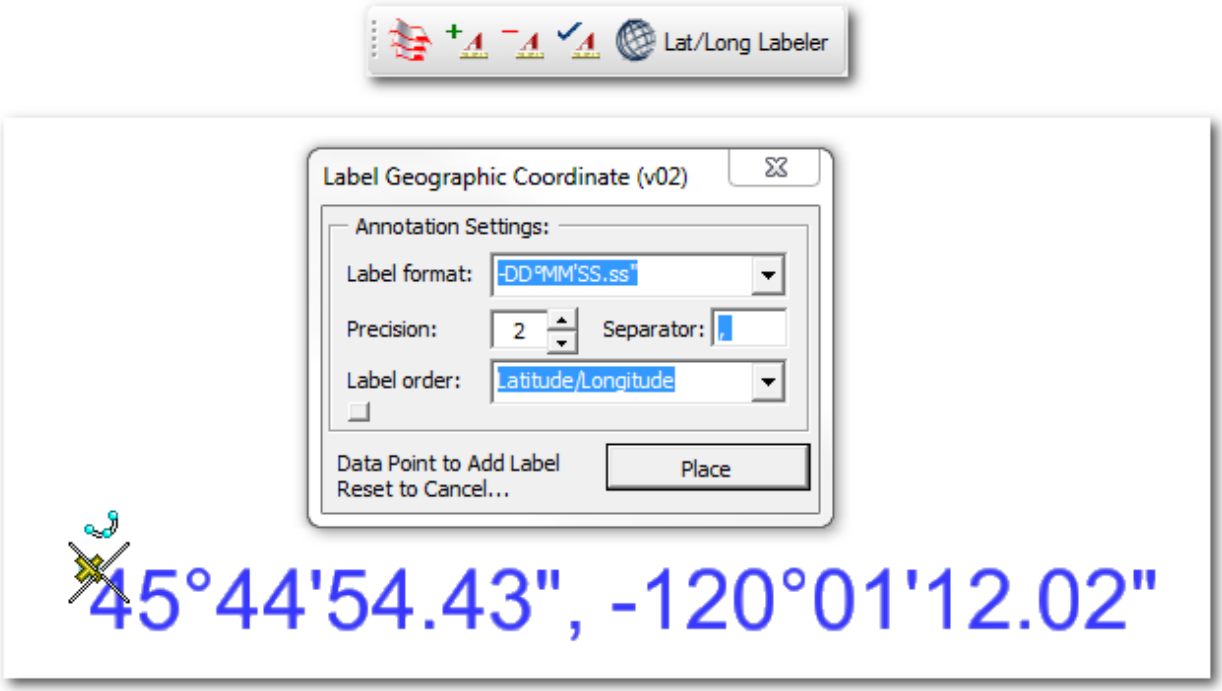
Lat/Long Labeler (Label Geographic Coordinate)

The Label Coordinates VBA tool for placing Latitude/Longitude labels using MicroStation V8i was developed by Elivagner Barros de Oliveira at Bentley Systems Inc. Its functionality is not supported by Bentley; however, surveyors may find it a very handy tool for annotating Latitude and Longitude instead of InRoads Tracking.

ODOT has placed the command to invoke the Label Geographic Coordinates (v02) dialog on the Extra Tools tool box with a **Lat/Long Labeler** button.



Prerequisites

1. A **Geographic Coordinate System must be assigned**, and
2. The assigned geographic coordinate system must be the **"activated" Auxiliary Coordinate System** (see Appendix C, Tutorial 3 of the ODOT MicroStation V8i User Guide) for the View.

Set the Text Attributes

Active text settings are used, including the Annotation Scale Lock. Because the degree symbol ° is placed, TrueType fonts such as Arial are recommended. If a Bentley font is used, you will see fractions where there should be a degree symbol.

Annotation Settings

Drop down boxes allow you to select different formats, precision, the separator, and even the order Lat/Long or Long/Lat. The defaults may be sufficient for most uses.

Operation

Click the [Place] button, then data point (left-click) on a monument for which you would like the latitude and longitude to be displayed. Tentative snap may be used and then accepted, or you can temporarily toggle on AccuSnap by pressing and holding down the <Ctrl> and <Shift> keys together. You will see AccuSnap running and can data point when you see the yellow X on your location. The label will be displayed dynamically, following your cursor, and will be placed according to the Annotation Settings and active text attributes. When done using the tool, reset (right-click) to exit the command.

InRoads Tracking for Latitude/Longitude

Only use InRoads Tracking to label Lat/Long if working in a MicroStation design file with working units that match the units of the assigned geographic coordinate system.