

Kinematic GPS

PPro2 Static

GPS Baseline Processing

Introduction: PPro2 is a Windows® software package which processes raw GPS observational data to significantly improve positioning accuracy. With the right equipment and under the right conditions, one can achieve decimeter, centimeter or even millimeter level positioning. Such processing requires data to be collected from two GPS receivers, one of which be at a known position.

The screenshot shows the 'Process Baseline' software window. It has a menu bar with 'File' and 'Help'. The main area is titled 'Select Observation Data Files For Processing'. It contains two sections: 'Base Station' and 'Rover Station'. Each section has a text input field for a file path and an 'Open File' button. The Base Station path is 'c:/Program Files/PPro2/Rinex/hrac0010.05o' and the Rover Station path is 'c:/Program Files/PPro2/Rinex/harb0010.05o'. Below these are several tabs: 'Observations', 'Ephemeris', 'Stations', 'Antenna', 'Satellites', 'Processing', 'Advanced', and 'Output'. The 'Processing' tab is active. It is divided into three columns: 'Processing Method', 'Control Point', and 'Baseline Solution'. Under 'Processing Method', there are radio buttons for 'Best' (selected), 'LW Fixed', 'DGPS Code', 'L1 Fixed', 'DGPS Float', and 'L0 Fixed'. Under 'Control Point', there is a 'Set Coordinate' button and the text 'From Base RINEX File Cartesian WGS-84'. Under 'Baseline Solution', there is a 'Process Job' button.

Using PPro2: Process data within seconds. PPro2 is extremely easy to use. Just specify the base and rover GPS observation files and click on the “Process Job” button. Advanced users may also specify other parameters for processing.

