Trimble 4700/5700/R7 - PPK Cheatsheet

620 Beth Bartel January 28, 2010 Application Notes, Application Notes 4051

Trimble 4700/5700/R7 - PPK Cheatsheet

The following are suggested settings for most UNAVCO-supported PPK surveys. For a detailed how-to on PPK surveys, see **Trimble 4700/5700/R7 - How to execute a post-processing kinematic (PPK) survey from start to finish** (/questions/618).

Things to know before and during the survey:

Base GPS antenna type: _____ (usually Zephyr Geodetic)

Rover GPS antenna type: _____ (usually Zephyr or Zephyr Geodetic)

Base GPS antenna height measurement method: _____ (usually "Bottom (or Top) of notch" or "Bottom of antenna mount")

Rover GPS antenna height measurement method: _____ (usally "Bottom of antenna mount")

In the job:

Coordinate system: Do not choose one: No projection/no datum, Coordinates: Ground, Reference elevation: [elevation within 100 meters of your base elevation], Use geoid model: No.

In the survey style:

Select "PP Kinematic" or "PPK".

Rover options

- Logging device: Controller
- Auto file names: Yes
- Logging interval: depends on survey goals; usually 1-15 seconds
- Elevation mask: 13 00’00"
- PDOP mask: 6 (but can be more, e.g. 20)
- Antenna height, Type, and Meas. to can be modified during the survey

Base options

- Logging device: Receiver
- Logging interval: Must be at least as frequent as rover, e.g. 1-15 seconds
- Elevation mask: 13 00’00"
- Antenna height, Type, and Meas. to can be modified at survey start

Topo point

- Auto point step size: 1
- Quality control: QC1
- Auto store point: Yes
- Occupation time: 0m 5s
- Number of measurements: 3

Online URL: https://kb.unavco.org/article/trimble-4700-5700-r7-ppk-cheatsheet-620.html