Trimble GPSurvey V2.35 - How to process GPS data (outline) (historical)

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GPSurvey V2.35 - How to process GPS data (outline)

UNAVCO 10/9/00

- 1. PROJECT: Create New or Open existing project
- 2. LOAD data From DAT File: CONFIG "interactive" or "quick edit/batch prompt"
- 3. PROCESS Baselines ADD files to process

In WAVE processor:

- EDIT:
- **Station Position** (check base station "fixed control" coordinates)
- Occupations (check antenna heights)
- PROCESS:
 - Setup (only to alter processing controls)
 - Baselines to start data processing
- FILE:
- Save results if satisfactory and Exit WAVE
- 4. VIEW Network Map
- 5. UTILITIES:

Project Report to generate list of station coordinates and other output **Coord Transformations** to output continuous kinematic coordinates or transform coordinates

Outputting Continuous Kinematic Data Points From GPSurvey

- 1. UTILITIES select COORD TRANSFORMATIONS
- 2. Set ASCII formats –

From: Geographic

To: Geographic (or other)

3. Set Coordinate Systems –

From: Geographic WGS84

To: Geographic WGS84 (or other)

- 4. Enter SSK File Coordinates: FILE-FROM-SSK FILE
- 5. Select files to output from selection (identify SSK files from network map)
- 6. Output to ASCII file: FILE-TO-ASCII FILE
- 7. Name the file and access it through a text editor

Using Precise Orbits in GPSurvey

Precise orbits are required to reduce orbit error when processing baselines over 100km and centimeter level errors are significant.

- 1. Connect to an online data center (such as http://sopac.ucsd.edu/cgi-bin/dbDataByDate.cgi) to access precise orbits.
- 2. (For SOPAC) select "products" and "data".
- 3. The orbit files are in the form: igsWWWWD.sp3. WWWW is the GPS week, D is the day of week.
- 4. In DOS, convert the files to EF18 format: "sp3ef18 *.sp *.e18"
- 5. Put the e18 files in the directory /gpsurvey/precise.
- 6. In Wave, select Process-Setup-Advanced Controls-Ephemeris-Precise before processing the data.

Online URL:

https://kb.unavco.org/article/trimble-gpsurvey-v2-35-how-to-process-gps-data-outline-historical-81.html