

# Geospatial Modeling & Visualization

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## Equipment and Strategy Checklist for Trimble 5700/5800

Use this Checklist before Acquiring External Control with Trimble Survey Grade GPS

Equipment Checklist:

1. Trimble gear (this list depends on the situation, so you may not need all of this)
  - A. Base station (can set up one or two base stations)
    - i. Trimble 5700 receiver
      - a. Two internal Trimble batteries
      - b. Optional external Trimble battery
      - c. Long yellow cable for connecting to antenna
    - ii. Trimble Zephyr antenna
      - a. Brass fitting for attaching to tripod
    - iii. Trimble fixed height tripod
    - iv. Trimble TSCe controller
      - a. Trimble data cable for connecting to receiver
  - B. Rover
    - i. Trimble 5800 (receiver and antenna in one)
      - a. Two internal batteries
      - b. Trimble data cable for connecting to controller
    - ii. Trimble fixed height tripod
    - iii. TSCe controller
      - a. Controller mount for attaching controller to tripod
  - C. Radio
2. Simple camera
3. Charge all batteries (individual internal batteries, the controller, the external battery, camera)

Strategy checklist:

1. How many control points are necessary? and where should these control points be?
2. Will differentially correct real-time or in the lab? How much time should you spend at each point?
3. Where should the base station be located? and can I easily set up over that point again in the future?
4. Are there other base stations in the area that can be used?
5. How many satellites will be overhead and what will the PDOP be? (Trimble Planning Software)

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