SuomiNet - Site Configurations

Note - content is provided for historical continuity and may be out of date. The UNAVCO SuomiNet pages are not actively maintained, and up-to-date SuomiNet information should be obtained from UCAR's COSMIC program at: www.cosmic.ucar.edu/suominet.html

- Configuration 1 - Standard atmospheric (and geodetic) site

All components are typically in the same building, but the GPS antenna may be mounted on a separate monument to improve stability and/or sky visibility. [Right-click on the diagram below and select "View Image" for a larger version.]

- Configuration 2 - Atmospheric AND geodetic site

Same as Configuration 1, except using an IGS chokering antenna, SCIGN antenna mount, and a SCIGN Tall radome. These are supported on a LIMITED basis. Contact Bjorn Johns (bjorn@unavco.org) at UNAVCO for more information.

- Configuration 3 - Standard atmospheric or atmospheric/geodetic site with a radio modem link

Like Configuration 1, except with a radio modem link for the serial connection between the GPS receiver and the computer. In this
Configuration 3 Components:

1. **Trimble Microcentered geodetic GPS antenna**
2. Grounded **lightning protector**
3. **Trimble 4700 GPS receiver**
4. **Meteorological package sensor**
5. **Meteorological package** body (Vaisala only)
6. **Serial surge protector**
7. **System computer**
8. **Trimble power supply p/n 30413**
9. **Wireless radio**
10. **Backup power supply**
11. **Gen power connector**

Cables:

a. GPS antenna cable - N male to N male, RG-214
b. GPS antenna cable - N male to 1-shell Lemo Coaxial P male, RG-214
c. GPS to meteorological package cable - 0-shell Lemo male to DB9 male
d. Serial/power cable p/n 32345 - 7 p Lemo to DB9
• Configuration 4 - Atmospheric/geodetic site with a radio modem link

Like Configuration 2, except with a radio modem link for the serial connection between the GPS receiver and the computer. In this configuration, only one serial link is used.