



Ideally, the sensor field, instrument shelter, and the antenna tower, will be placed in a line, perpendicular to the great circle heading from the site to the master station. This will minimize electromagnetic coupling between the antenna, the shelter and the sensors, leading to better communication performance.

Contrary to popular belief, it is not a good idea to place the sensors 'behind' the antenna. The Yagi gain antenna normally has but two nulls in its radiation pattern; one on each side, directly abeam its main forward lobe. It is best to place potential noise sources within one of these nulls.

***Micro Specialties, Inc.***

Wasilla, Alaska

Remote Data Station -

Ideal Antenna Placement

Date:

9/3/2005

Size:

A

Scale:

File: