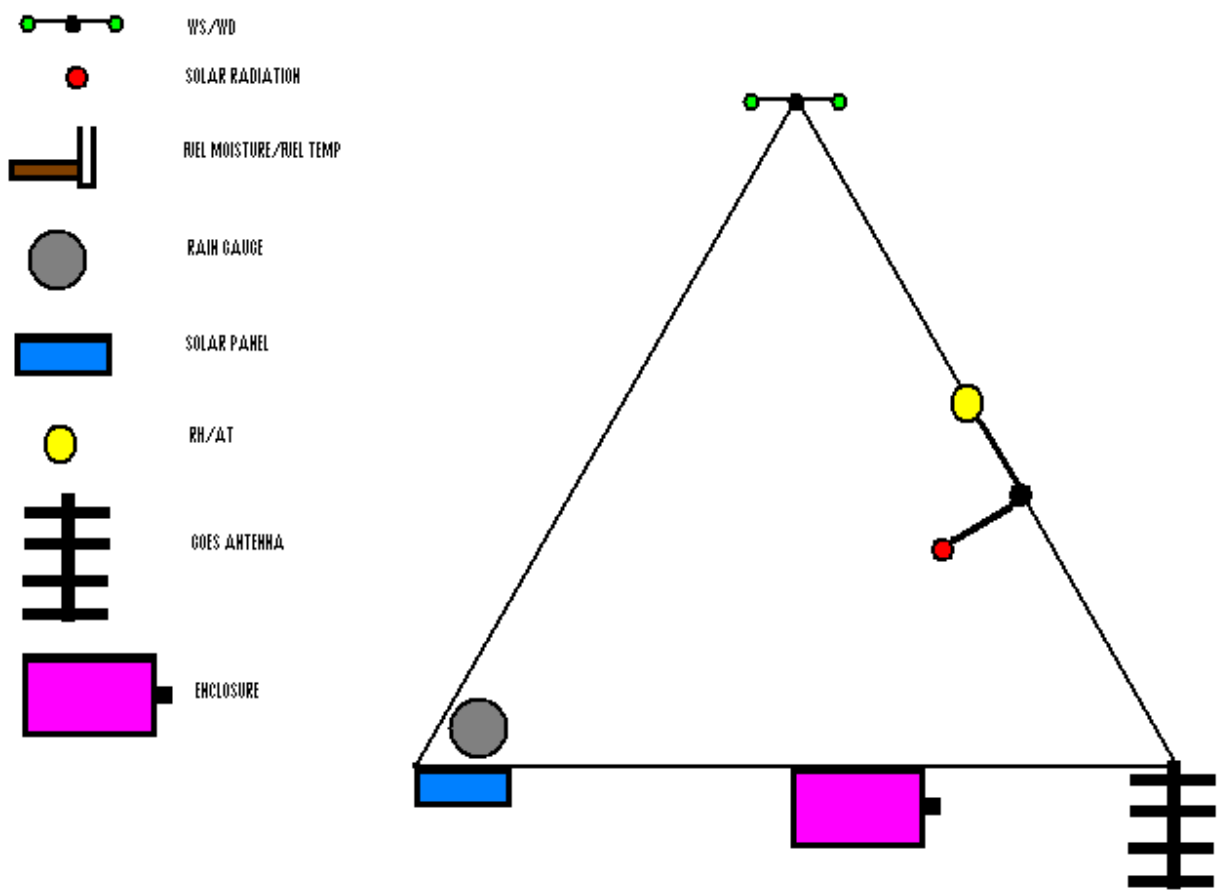
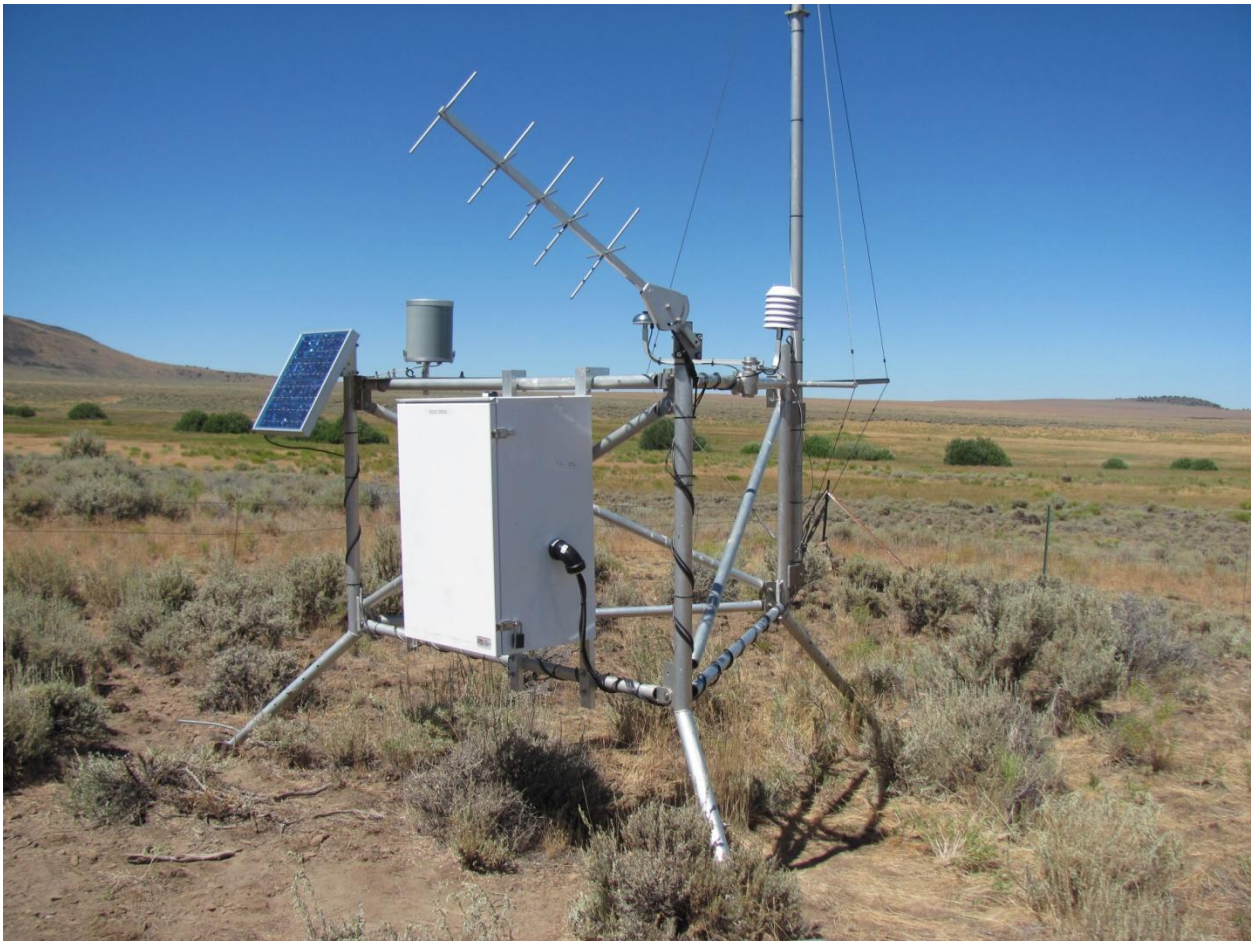
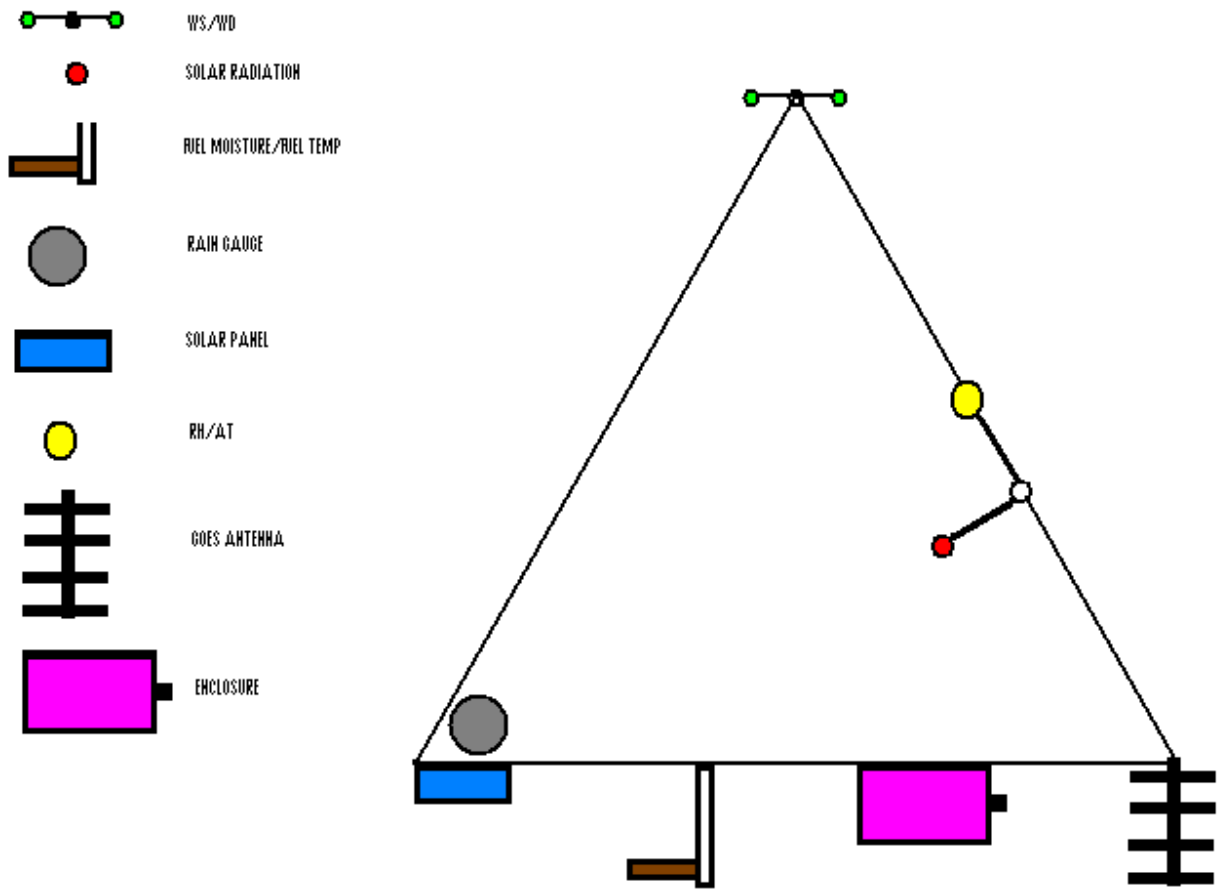
The following is a suggested placement of sensors for a FTS station on a 403 tower. Each scenario will allow the user to use the sensors with the existing cable lengths and avoid the need for cable extensions. Cable extensions are the responsibility of the station owner.

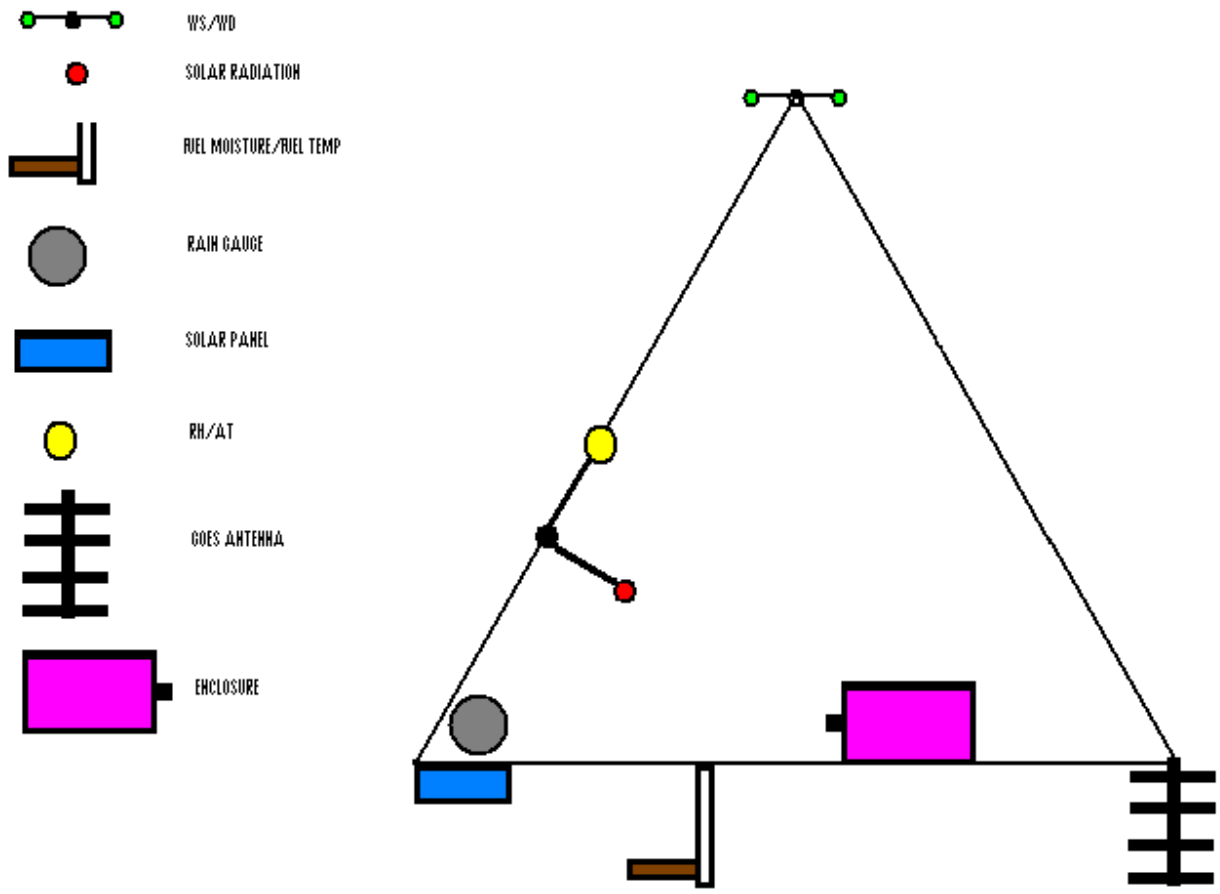


This is how the BLM is currently placing sensors on a FTS retro fit. The field technicians are using the Nu-rail from the RH/AT and attaching the THS-3 and Solar Radiation arms to the aluminum insert. They are also leaving the aluminum tipping bucket plate on the tower and mounting the RGT to the tower railing or using a modified extender and attaching it to the aluminum plate.

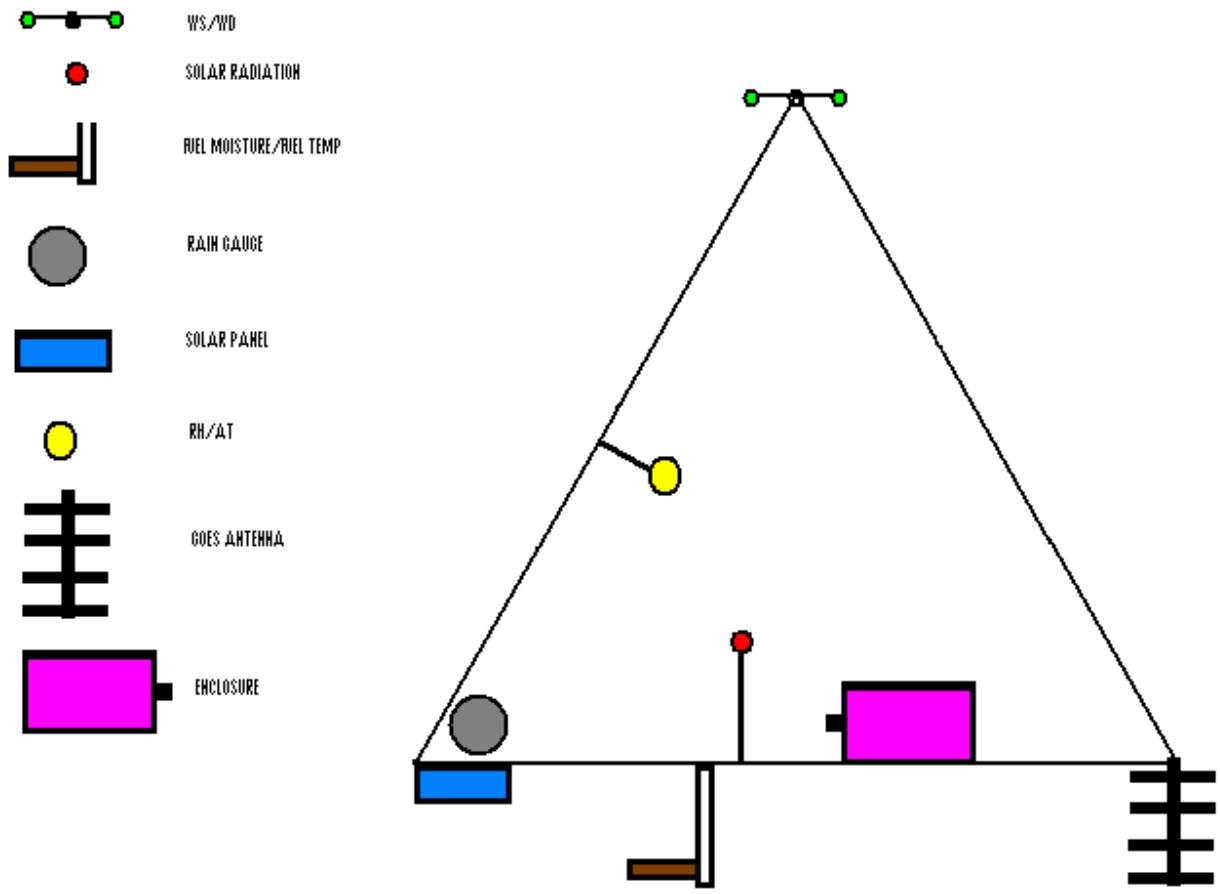




This is how the BLM install a station with a fuel moisture/fuel temperature sensor installed. The length of the angled aluminum will keep any shadows off the sensor. The sensor can be placed straight out from the angled aluminum if desired. The enclosure must be moved over toward the GOES antenna in order to ensure proper spacing to eliminate any possible shadowing of the FM/FT.



This configuration places the enclosure on the inside of the tower. Because the cable access into the enclosure has moved to the west. The THS-3 and the Solar Radiation must be moved to the west side of the tower due to cable lengths.



This configuration places the enclosure, THS-3 and Solar Radiation sensors inside the tower to help avoid animal destruction.

The following are the cable lengths of the sensors maintained by the BLM RAWS Depot. Please configure your sensors to meet these lengths in order to keep the Depot contract cost to a minimum.

WD/WD	35 feet
Solar Rad	10 feet
FM/FT	10 feet
Rain Gauge	19 feet
RH/AT	10 feet
GOES Ant.	12 feet
Solar Panel	15 feet