National Oceanic and Atmospheric Administration
National Ocean Service
Center for Operational Oceanographic Products and Services

Meteorological Reconnaissance Form

Station Number _____ Station Name _____ Date _____

Type of Station _____ City _____ County _____

Reconnaissance performed by: _____ State _____ Zip Code _____

General Site Information

Does the proposed site consist of predominantly flat terrain? (Small gradual slopes are acceptable) ☐ YES ☐ NO

If NO, explain: _____ Are there Benchmarks present? ☐ YES ☐ NO

Surface that the tower will be mounted on: _____ Area surrounding the proposed station is mostly _____

Does the proposed site put the sensors at risk of contamination from wind blown dirt in the direction of the tower? ☐ YES ☐ NO

Prevailing wind direction: _____ Can standing water collect at the base of the proposed tower? ☐ YES ☐ NO

Wind Sensor Reconnaissance

Is it possible to mount the wind sensor at 9 to 10 meters above the base of the proposed tower? ☐ YES ☐ NO ☐ N/A

If NO, at what height can the wind sensor be mounted? (m) _____

If the wind sensor is to be mounted on a rooftop location, is it at least 6 meters above the highest rooftop obstruction? ☐ YES ☐ NO ☐ N/A

Is a horizontal distance of at least ten times the height of any obstruction maintained between the wind sensor and that obstruction? ☐ YES ☐ NO ☐ N/A

Is it possible that large obstructions (temporary or permanent) could obstruct the wind sensor? i.e. Cruise ships docked at port or large trucks parked on a pier, etc... ☐ YES ☐ NO

Notes

_____

Air Temperature/Relative Humidity Sensor Reconnaissance

Is it possible to mount the AT/RH sensors at least 1.2 to 2.0 meters above the base of the proposed tower? ☐ YES ☐ NO ☐ N/A

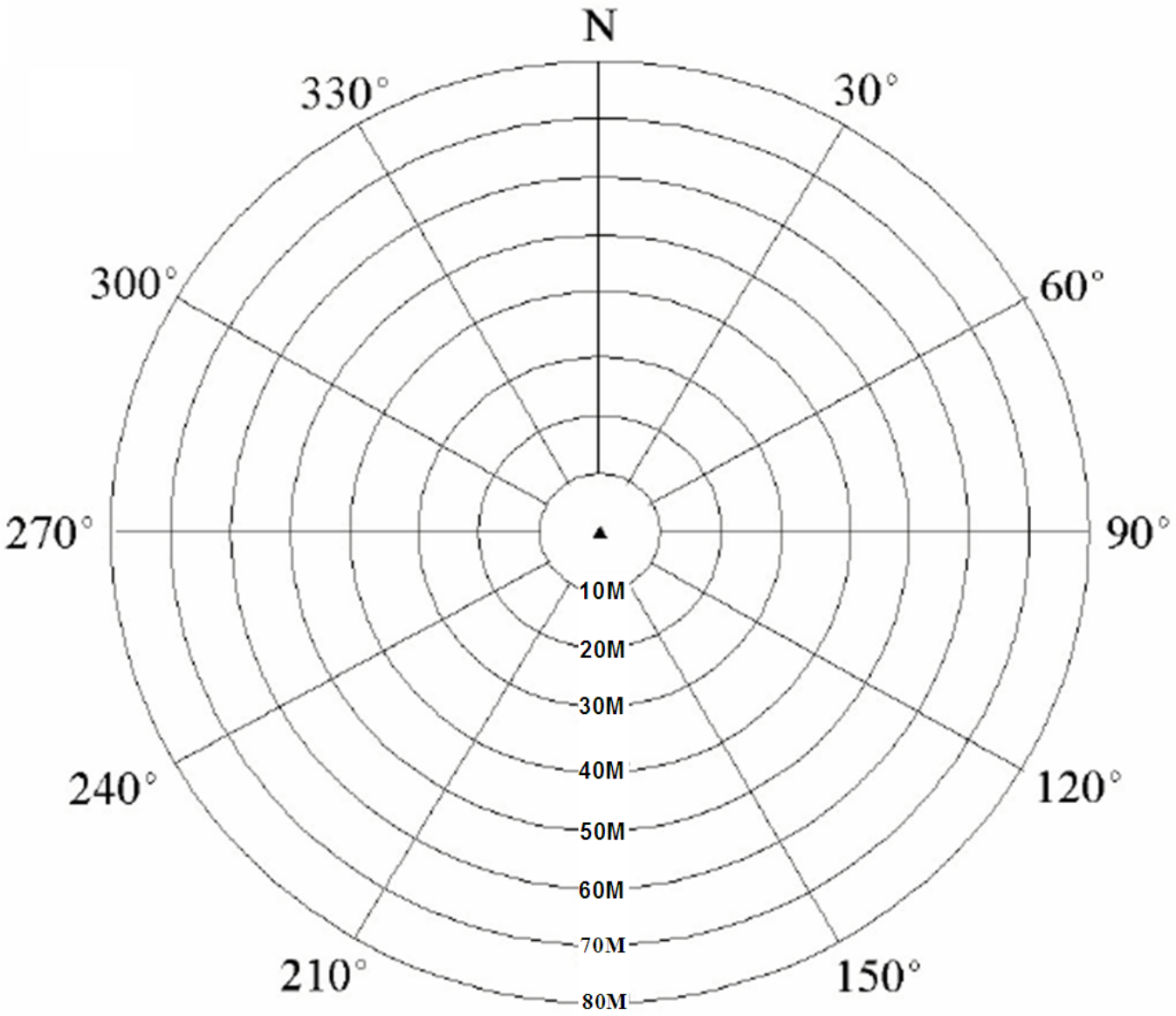
If NO, at what height can the AT/RH sensors be mounted? (m) _____

Is a horizontal distance of four times the height of any obstruction maintained between the AT/RH sensors and that obstruction? ☐ YES ☐ NO ☐ N/A

Notes

_____

CO-OPS METEOROLOGICAL RECONNAISSANCE
SENSOR OBSTRUCTION FORM



PLEASE INDICATE ANY AND ALL OBSTRUCTIONS WITH THEIR APPROXIMATE HEIGHT AND HORIZONTAL DISTANCE FROM THE TOWER ON THE DIAGRAM.

CHECK IF THERE ARE NO OBSTRUCTIONS IN THE AREA: ☐

MAJOR OBSTRUCTIONS BEYOND 80M? ☐ YES ☐ NO

IF YES EXPLAIN	
DESCRIPTION OF THE PROPOSED AREA SURROUNDING THE METEOROLOGICAL TOWER	