

Mobile Physical Oceanographic Real-time System (PORTS®)

REMSA technicians and engineers maintain the NOAA PORTS® system in Mobile AL. The system consists of water level, meteorological, visibility and water current stations located in and around Mobile Bay. The picture to the right shows the Water Level Station at Dauphin Island. This station measures water levels, Winds, Air and Water temperatures and Barometric Pressure. The data is transmitted to NOAA via the GOES satellite and is available in real-time on the internet at: <http://tidesandcurrents.noaa.gov/>



REMSA maintain the following Mobile PORTS stations:

Station Name	Installed Sensors
Chickasaw Creek	Water Level
USCG Sector Mobile	Water Level, winds, air and water temperatures, Barometer
East Fowl River Bridge	Water Level
West Fowl River Bridge	Water Level
Bayou La Batre Bridge	Water Level, winds, air and water temperatures, Barometer
Coast Guard Sector Mobile	Water Level, winds, air and water temperatures, Barometer
Fort Morgan	Winds, air and water temperatures, Barometer
Mobile State Docks	Water Level, winds, air and water temperatures, Barometer
Dauphin Island	Water Level, winds, air and water temperatures, Barometer
Pinto Island	Visibility, Relative Humidity, Air Temperature
Middle Bay Port	Visibility, Relative Humidity, Air Temperature
State Docks Pier E	Currents
Mobile Container Terminal	Currents

Our Technicians visit each station bi-monthly checking the station performance: this work includes replacing damaged or worn parts, diving on the underwater sensors and mounts, wind sensor alignment and repair and overall station upkeep.