

## Use Case W2: Detailed Description

Use Case Name: Request Humidity Data

Scenario: N/A

Brief Description: With the System collecting weather data, the weather network requests humidity data by periodically requesting the humidity data from the weather stations (system).

Actors: Weather Network

Related Use Cases:

**Use Case A1:** *The Administrator shall set the Measurement Rate for all active sensors*

**Use Case W11:** *The Weather Network Shall request daily humidity extremes*

**Use Case W16:** *The Weather Network Shall log requested weather data*

**Stakeholders:** Local and National Weather Bureaus, other weather networks and individuals monitoring local weather data.

**Preconditions:** The System is running, the measurement rate is set, the network is set and working, the humidity measuring hardware is connected to the weather station.

**Postconditions:** The Humidity data is received from the weather station(s) (system).

Weather Station	System
1. Periodically request humidity data from the System	2. Returns the humidity data requested in the appropriate (relative)
3. Logs data returned by the system (See <b>Use Case W16</b> )	

### Exception Conditions

2a. If the Humidity Sensors are not working properly, then the system shall report a default humidity (-99.9%).

2b. If the the System Network stops working properly, then the system shall report a default humidity (-99.9%).