

Use Case A1: Set System Measurement Time

Scope: Weather Station

Level: Administrator Goal

Primary Actor: Super User (Administrator)

Scenario: None

Related Use Cases: None

Stakeholders & Interests:

- Administrator: Wants to access/change the times when the Weather Station makes its measurements
- User: Wants weather data available at a time frame (like measured every x minutes and such)

Preconditions: The Weather Station is online and is periodically measuring the instrumentation.

Success Guarantees: The rate at which the System requests weather data from the Weather Station is changed. The System requests the weather data at the new rate.

Main Success Scenario:

Super User	System
1. Requests to change the Measurement Time	
	2. Asks for Super-User Credentials
3. Enters Admin Name and Admin Password	
	4. Confirms the credentials
	5. Prompts Admin to change measurement time
6. Enters a new measurement time	
	7. Prompts Admin to confirm change
8. Confirms the change	
	9. Changes the measurement time

Extensions:

- 4a. If the System cannot confirm the Admin's credentials, then the System alerts the requestor, refuses access, and allows the requestor multiple attempts.
- 8a. If the Super User cancels the confirmation, then the System does not change the measurement time.

Frequency of Occurrence: Almost Continuous

Special Requirements:

- The Weather Station as a whole will measure the instruments at the set rate by the Weather Station itself; this creates a "request" time set by the System independent of the Weather Station's Measurement Time.

Open Issues:

- What units does the Super User enter the Measurement time? Seconds? Minutes? Hours? some combination of the three?
- Remember, this is the time between measurements. If the super-user enters 30 seconds, then the System will request the Weather Station to make the measurements every 30 seconds, make the appropriate calculations and send that weather data to the System.