

**Use Case 2: Archive Current Weather Data****Scope:** Weather Station**Level:** User Goal**Primary Actor:** User**Secondary Actor:** Database (to be developed)**Scenario:** None**Related Use Cases:** *Use Case 1: The User shall have the ability to Request The Weather Station to measure the weather data***Stakeholders & Interests:**

- User: Wants to archive the current measured weather data
- Database: (Wants to) Save off the current measured weather data requested by the User

**Preconditions:** The System is online and is periodically measuring the weather instruments. The System is sending the most recent data to all registered subscribers. **(To Be Developed)** the SQL database is up, the System is registered to the data base.

**Success Guarantees:** The System archives the weather data and (to be developed) sends the data to and SQL database.

**Main Success Scenario:**

User	System
1. Save all current weather data	
	2. Prompts the User to select where to save the weather data with a file name
3. Enters the file name and location to archive the weather data	
	4. Creates the file at the specified location
	5. Collects all the required data for saving.
	6. Saves the data in the file
	7. Closes the file of the saved weather data
	8. Prompts the user the data was saved off

**Extensions:**

4a. If the files exists, then the System appends the data to the User selected file.

6a. If there is a saving error (cannot save the data, the saving process failed), then the System indicates to the user of the error.

**Frequency of Occurence:** Almost continuous

**Open Issues:**

- Eventually, a SQL database (secondary actor) is to connect up to the System for data archiving in addition to the User selected file.