Use Case S1: Archive Weather Data
Scope: Weather Station
Level: System Goal
Primary Actor: System
Scenario: Archive Temperature Data
Related Use Cases: Use Case SA1: *The System Administrator shall set the measurement time for all Weather Data for the System.*
Stakeholders and Interests:

- Users: who want to view archived weather data.

- Weather Bureaus: that want to view archived data from other geographic locations.

Preconditions: The Weather Station is running. The Archiving System running and able to receieve data for archiving.
Success Guarantees (Postconditions): Data is sent to the archiving system. The no error indication is returned from the archiving system.

Main Success Scenario:

System	Archiving System
1. Send data to be archived	
2. Send type of data to be archived	
3. Send the time, day, date of the measured data	
	4. Archives the data in the appropriate location (Temperature, Humidity, Barometer, etc...)

Alternative Flows:
4a. If the Archiving System is not available:
4a1. The System saves the data in an "alternative format", regardless.

4b. If Archiving System has no system for the archiving the weather data:
4b1. The Archiving System will create the system for archiving the weather data.
4b2. The Archiving System will then save the data requested for archiving.

4c. If the Archiving System cannot save the data:
4c1. The Archiving System will alert the System.
4c2. The Archiving System will attempt to save the data again.
4c3. The System saves the data in an "alternative format", regardless.