Use Case 2: Request Archived Weather Data
Scope: Weather Station
Level: User Goal
Primary Actor: User
Secondary Actor: Archiving System (Database)
Scenario: Request Archived Humidity Data
Related Use Cases: N/A
Stakeholders and Interests:

- User: Wants to retrieve archived Humidity data.

- Weather Services: Wants to retrieive and compare archived humidity data for the purpose of comparing to other weather stations, and for accuracy of instrumentation and correction of Weather Station placement if needed.

- National Weather Service: Wants archived weather spotter data.

- Weather Scientists and Observers: Wants to to observe archived meteorological data in a given locale.

Preconditions: The Weather Station has archived the Humidity data for the given time frame requested; the archiving system is available for requested data retrieval.
Success Guaranties (Postconditions): Archived Humidity data is retrieved from the archiving system, and returned to the User.

Main Success Scenario:

User	System
1. Request Archived Humidity Data at a given time.	
	2. Queries the external archiving system for the Humidity data at the requested time.
	3. Presents the archived data to the User.

Alternative Flows:
2a. If the external archiving system is not available at the request time, then the system alerts the user–with a possible reason as to why.

2b. If the external archiving system is not available, the system will try another (redundant) archiving system to see if the data is available in the redundant system–alerting the user of the issue and indicating its search in another archiving system.

2c. If the no humidity data is available at the User requested time, then the System alerts the User of the unavailability of the requested temperature data.

Special Requirements: Somehow we want the archiving systmes to be ATOM(ic) to recover from a crash as best as possible.