

Use Case I3S2: Detailed Description

Use Case Name: Manage Mission Data

Scenario: S2 View Humidity Data;

Brief Description: With the System Running, the User requests to view the current Humidity Data (regardless if a Mission is Running).

Actors: User

Related Use Cases: N/A

Stakeholders: Users who want to view the current Humidity Data from the current mission.

Preconditions: The System is running, the iButton is connected to the receptor or another reading device. The iButton receptor or other reading device is connected to the computer.

Postconditions: The Humidity data is retrieved from the iButton and presented to the User for display. (In either textual or graphical form).

Flow of Events

User	System
1. Request Humidity Data for viewing	
	2. Retrieves the current Humidity data
	3. Retrieves the associated Date/Time for all the current Humidity Data
	4. Separates the Humidity Data by Date.
	5. Determines the Min/Max of the current Humidity data and the associated Date/Time.
	6. Presents the requested Humidity data to the User for viewing.
8. Determines how to view the data (in Text or Graphical format) Makes that request to the System	
	9. Presents the data in the requested format.

Exception Conditions

1a. If no iButton Device is connected to the network, then the system indicates the error to the user with the reason (no iButton Attached).

2a. If the requested data of the current mission cannot be retrieved, then the system indicates the error to the user with the reason (*One Wire Network*

Issues, One Wire Device Issues).

3a. If the associated Date/Time of the requested data of the current mission cannot be retrieved, then the system indicates the error to the user with the reason (*One Wire Network Issues, One Wire Device Issues, other forms of retrieval exceptions.*)