



Briefing Sheet: Hurricane Team

Sept 4, 1996: Team Information

The Mission

At the beginning of the e-Mission, the Space Shuttle's crew will repair the Low Earth Orbiting Satellite. If the repairs are successful, you will begin to receive important data that will update your Emergency Response Teams on the situation both on Montserrat and within 500 miles of the island.

You will prepare reports on the status of the hurricane and dangers to the island. You will also give advice to the residents and the emergency services.

Good luck,
Mission Control

Your Task

Before the Mission Begins, your team should practice analysing hurricane data. You should be able to:

- Receive real-time data for the storm from a web page and predict its movement and strength.
- Plot latitude and longitude coordinates on the tracking map.
- Calculate speed of the storm and estimated time to the Island of Montserrat.
- Predict danger to the Island and advise the evacuation team.
- Prepare a report form every five minutes to be read to Mission Control by the Communicator.

Team Tasks

Your team needs to have people in charge of the following tasks (A team member can take more than one role):

1. Real-time Data. Select one person to write down the real-time data on the Hurricane Tracking Work Sheet. This person will need to work with the Mapping person to plot the data.
2. Mapping. Select one person to follow the course of the storm on the map. They will need to make measurements on the map as well.
3. Recorder. Select one person to fill out the Report Form every five minutes. They should also write down all questions from mission control and respond back to mission control with written notes to be given to the Communications or Data Officer.
4. Runner to Comm Team. Select a spokesperson to interact with the Communications Team (may be combined with Recorder)
5. Reporter. Select one person to update a "graphic organizer" every few minutes so that each team can tell what is going on at a glance. *The organizer should be a white board or chalkboard posted on the wall for all the teams to see.*
6. (optional) Runner to Volcano Team. Select one spokesperson to tell the Volcano Team anything they might need to know about the Hurricane.
7. (optional) Runner to Evacuation Team. Select one spokesperson to tell the Evacuation Team anything they might need to know about the Hurricane.