



Briefing Sheet: Hurricane Team

Sept 4, 1996: Mission Directives

The Mission

Barring any new developments on Montserrat, 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 all potential dangers to the island.

Good luck,
Mission Control

Team Tasks

Appoint people to the following tasks:

- Data Analysis. Select one person to record the real-time data on the Hurricane Tracking Data Sheet. This person will need to work with the Mapping person to analyze the data.
- Mapping. Select one person to chart the course of the storm on the map. They will need to make measurements as well.
- 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 Comm Data Officer.
- Runner to Comm Team. Select a spokesperson to interact with the Communications Team (may be combined with Recorder)
- 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.
- (optional) Runner to Volcano Team. Select one spokesperson to interact with the Volcano Team
- (optional) Runner to Evacuation Team. Select one spokesperson to interact with the Evacuation Team

Your Task

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

- Receive real-time data for the storm and predict its movement, strength, and category.
- Plot latitude and longitude coordinates on the tracking map.
- Calculate speed of the storm and estimated time to landfall.
- Determine whether there is any predicted danger, and the degree and type of danger.
- Prepare a report form every five minutes to be read to Mission Control by the Communicator.