



Briefing Sheet: **Volcano 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

Your Task

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

- Receive hourly Rockfall (RF) and Volcano Tectonic (VT) data and predict what the daily rate will be for each (on two separate worksheets).
 - Combine the daily predictions for RF and VT and determine whether there is any predicted danger, and the degree of danger.
 - Prepare a report form every five minutes to be read to Mission Control by the Communicator
 - Graph the predicted daily rate for the total
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Team Tasks

Appoint people to the following tasks:

- Data Analysis: RF. Select one person to record the real-time data for RF (rockfall) on the Seismic Events Data Sheet.
- Data Analysis: VT. Select one person to record the real-time data for VT (volcano tectonic) on the Seismic Events Data Sheet.
- Graphing. Select one person to chart the seismic activity and predictions on the graphs.
- 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 Hurricane Team. Select one spokesperson to interact with the Hurricane Team
- (optional) Runner to Evacuation Team. Select one spokesperson to interact with the Evacuation Team