

## Teacher Sheet – Who Dunit? A Solar Mystery

This story was written as a fun way to introduce the concept of space weather. The assumption is that most students know very little if anything about space weather, and may be familiar with its potential impacts on our daily lives. The scenario is obviously fictional and exaggerated, but designed to be dramatic to capture their imagination and attention. It could be assigned as a homework to help compensate for students with different reading speeds. The follow-up sheet gives the students an opportunity to group together and hypothesize about possible causes for the chaos. When discussing the situation, you don't necessarily have to explain *why* all of these things could happen. These answers will be more readily understood once the students have more background in the behavior of the Sun and the ways it interacts with the Earth and its magnetic field.