Abstract

Space weather has gained considerable attention in the public over the last 15 years, as human technologies depend upon on space assets. Not only does our telecommunication depend on satellite, our daily life and travel are also affected by space environment driven by our own Sun. As our Sun enters into active phrase of the solar cycle 24 in 2009, there is urgency within the space research community to disseminate space weather forecast and nowcast to wide ranges of interested publics. However, most often it is difficult to understand all the different terminology being used associated with this type of forecast. This presentation will introduce the concept of space weather by showing the solar origin and the Earth’s magnetosphere response to different type of space weather events. Consequence of past events will show how much of our society is affected by space weather.