



Space Weather Activities in Ireland

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Space weather forecasting has become increasingly important around the world due to the potential impacts a severe space weather event could have on human technology, infrastructure, and society on the ground and in near-Earth space. In particular there have been a number of recent activities in Ireland exploring the potential impact of a space weather event nationally, including who/what may be impacted and what steps might be taken to mitigate such an event. These activities will be outlined, as well as describing ongoing work in the Solar and Space Weather Research Group at Trinity College Dublin. The group undertakes basic research as well as developing and maintaining operational efforts, such as real-time solar activity monitoring and forecasting (SolarMonitor.org), and ground-based monitoring at the Rosse Solar-Terrestrial Observatory (rosseobservatory.ie). The group regularly collaborates with international organisations such as Met Office in the UK, ESA, and NASA and NOAA/SWPC in the USA.