



Near real-time verification of operational solar flare forecast

Suzy Bingham (1), David Jackson (1), Michael Sharpe (1), Sophie Murray (2), Jesse Andries (3), and Catherine Burnett (1)

(1) Met Office, Exeter, United Kingdom (suzy.bingham@metoffice.gov.uk), (2) Trinity College Dublin, Dublin, Ireland, (3) Solar Influences Data analysis Centre, Brussels, Belgium

Verification of operational space weather forecasts is in its infancy. However, progress in this area has advanced considerably over the past few years with increasing awareness of its importance. The development in this field has benefited from adaptation of existing, suitable, terrestrial weather forecast verification methods. This contribution will describe flare forecast verification efforts within the International Space Environment Service (ISES); recommendations will be presented for which metrics to apply to verify operational solar flare forecasts. Results will also be shown from near real-time verification systems used to verify the UK Met Office Space Weather Operations Centre's (MOSWOC's) 4-day X-ray flare forecasts.