



Early and envisioned research uses of the TIGGE data sets

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Early users of the THORPEX Interactive Grand Global Ensemble (TIGGE) will present research results and ideas that utilize the collection of operational ensembles available through the TIGGE archive. Examples include: issues associated with balance in multi-model ensemble forecasts with an eye towards model improvement and data assimilation; coupling TIGGE forecasts to wave models to quantify the sensitivity of high-impact ocean surface conditions to atmospheric precursors; the identification of optimal sampling locations in the environment of tropical cyclones; an assessment of the effects of weather types on sporting events and operationally related areas, like transportation, and to determine the decisions that follow from particular forecasts of adverse weather; multi-model, analog downscaling methods using a Bayesian framework.