

International CCMC-LWS Working Meeting on Space Weather Metrics,
April 3-7, 2017, Mike Liemohn, Geomag Indices Team Lead

Update from the Geomagnetic Indices Working Team

- Ultimate goal: white paper on generally-applicable metrics for models predicting geomagnetic indices
 - A report that serves as a community reference for benchmarking a new or updated index predictor
- We're close
 - We're picking half a dozen storm events
 - We're picking a month-long interval
 - We're picking metrics: the big three for us are trend, goodness, and event capture

A bit more from the Geomag Indices Team

- Event selection: we have a bunch on our list
 - We'd like for this list to overlap with those from the dB/dt crew and auroral precip crew
 - Some models, especially big first-principles codes, do all three of these elements in a single run
 - Our list will probably be long and then we'll trim it down
- Month-long interval: we want to choose a month with an intensity distribution of several key indices that matches the solar-cycle-level distribution
 - Several good candidates, but we need analysis
 - This will probably be completed after the meeting