

# Metrics for TEC Gradients

We propose to include TEC gradients in our metric study

**Initial focus on mid-latitude**

**We will use cross correlation measures**

**We propose to explore the use of new index G55:**

**G55 will be calculated as the maximum absolute zonal TEC gradient at 55° magnetic latitude.**

**G55 Index will be calculated every 15 minutes on a 1° grid**

**Advantage of this index is that it is largely ignorant of biases but captures dynamical response due to storms!**

