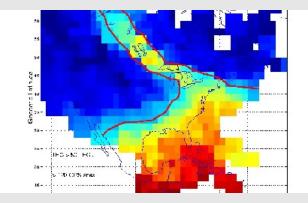
Metrics for TEC Gradients

We propose to included TEC gradients in out 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!

1st CCMC-International Meeting: International CCMC-LWS Working Meeting 3-7 April 2017