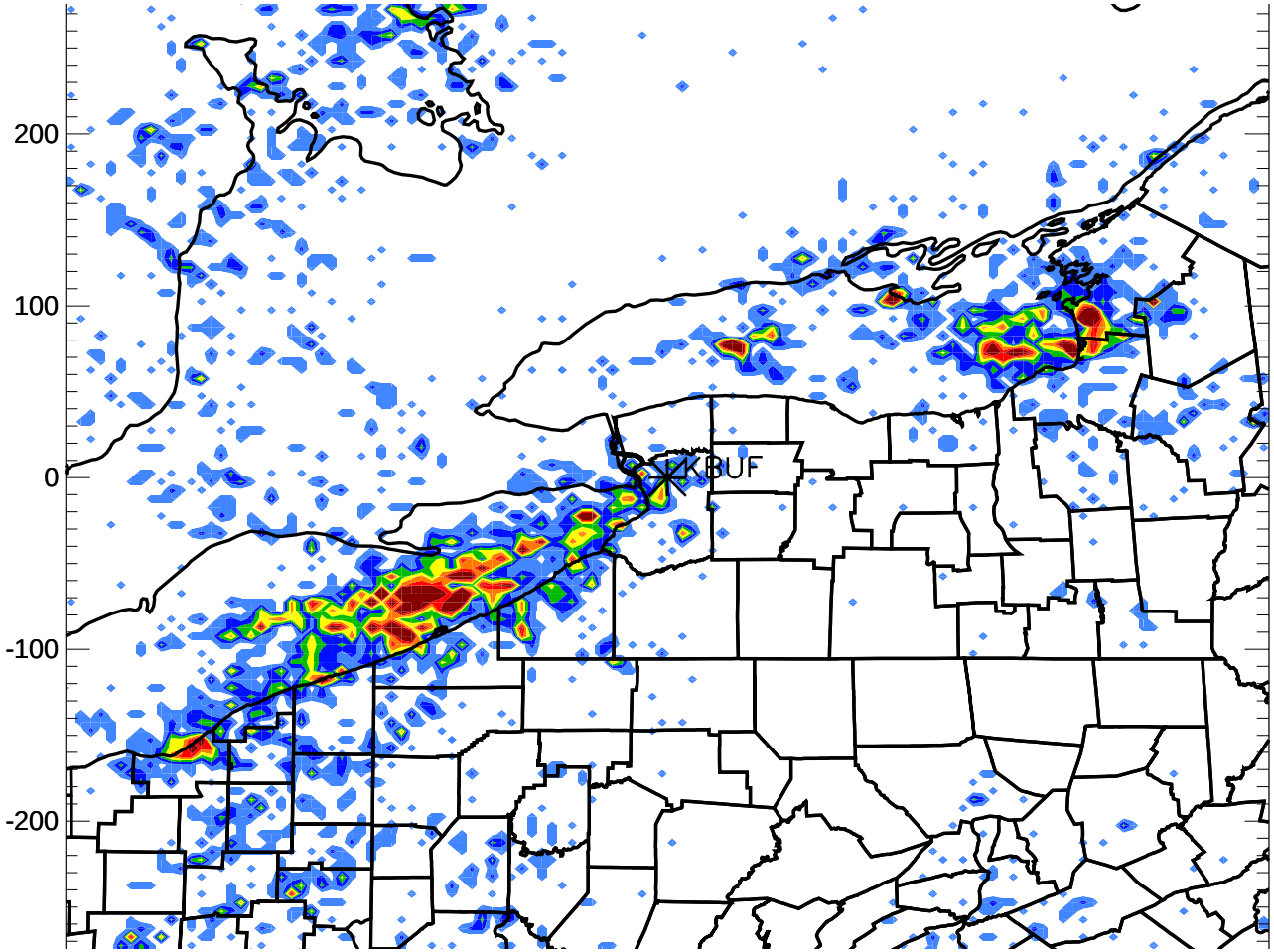
OWLeS Electrification Early Results

Science Meeting

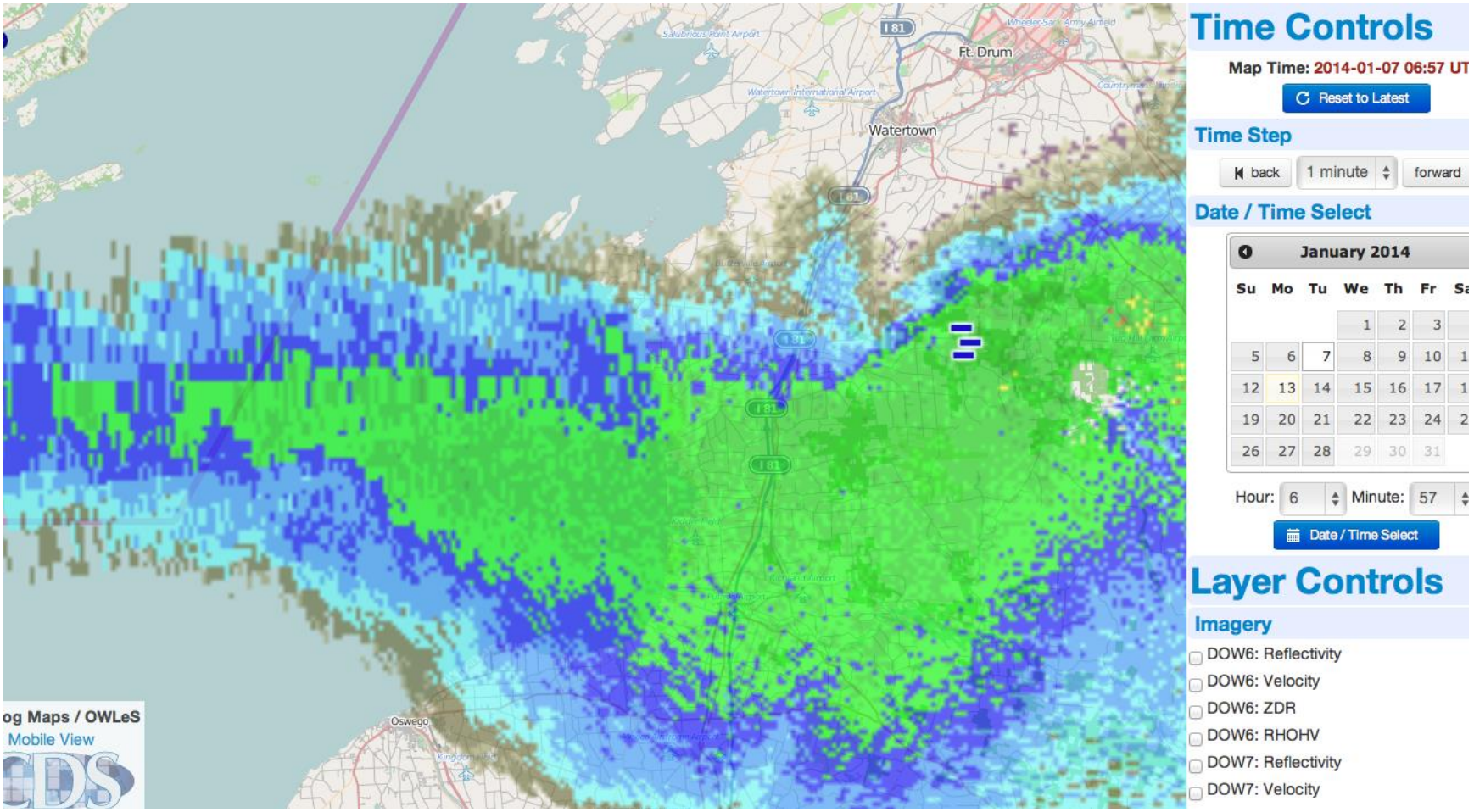
14 Jan 2014

Climo: LE lgh 1995-2007



Steiger et al. 2009

7 Jan 2014 0657Z



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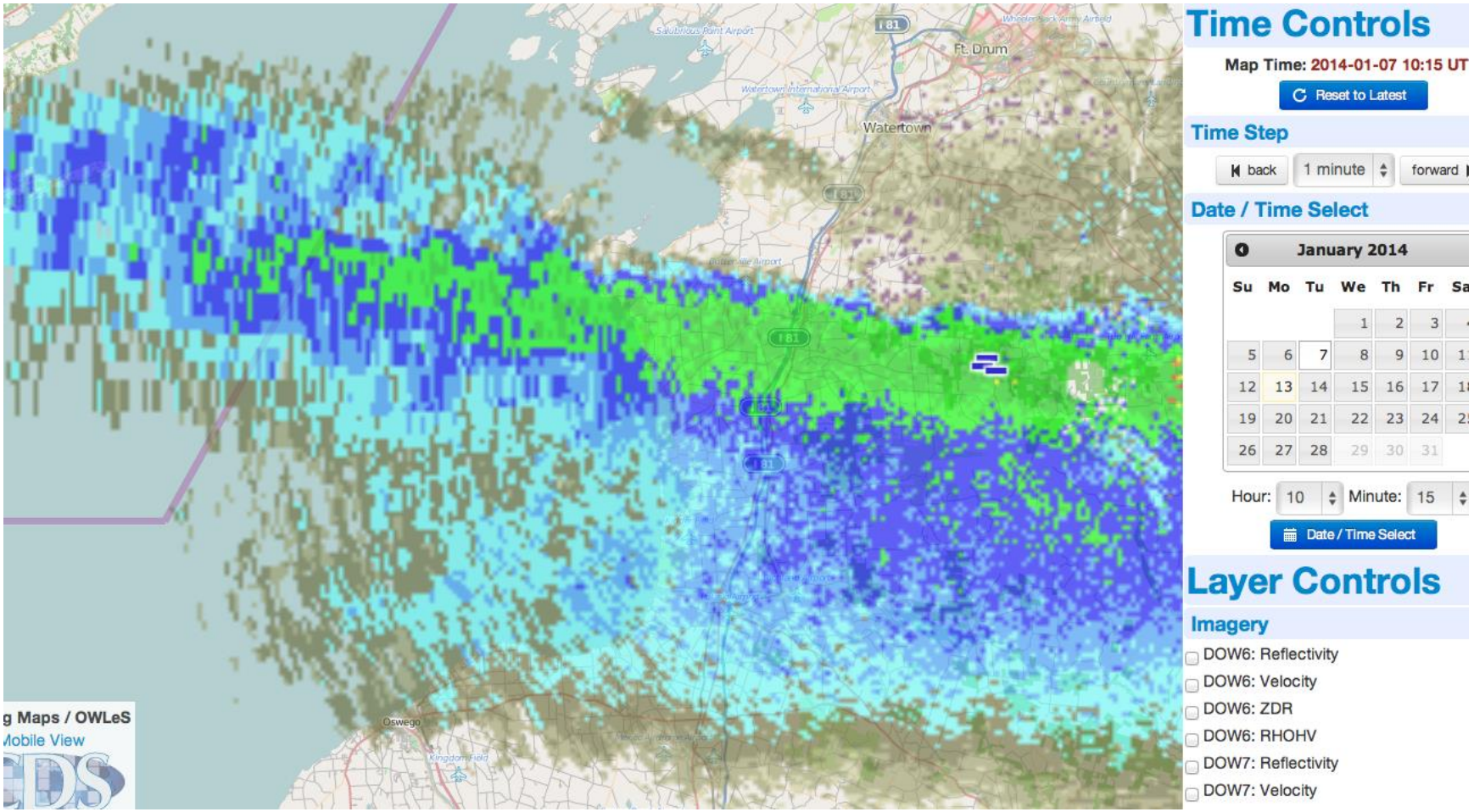

Interestingly same area about 30-35 km inland, but two different character bands

Environmental conditions

- BUFKIT data (NAM 00Z 7 Jan init. for 07Z over lake):
  - Lake-induced CAPE: 1624 J/kg (model CAPE 270)!
  - LI EL: 16000’ (4.9 km)
  - Height of -10C level: near ground
- Observations (Henderson Harbor): CAPE near 100 J/kg
- Bottom line: lots of instability, but any supercooled water???