

30 May 2018: DC Metros Convection

A line of SHRA/embedded TS...tops to ~ FL280...quickly developed ahead of a cold front/E of Blue Ridge/Catoctin Mountains, caused reroutes/sev turb impacts for the DC Metros.

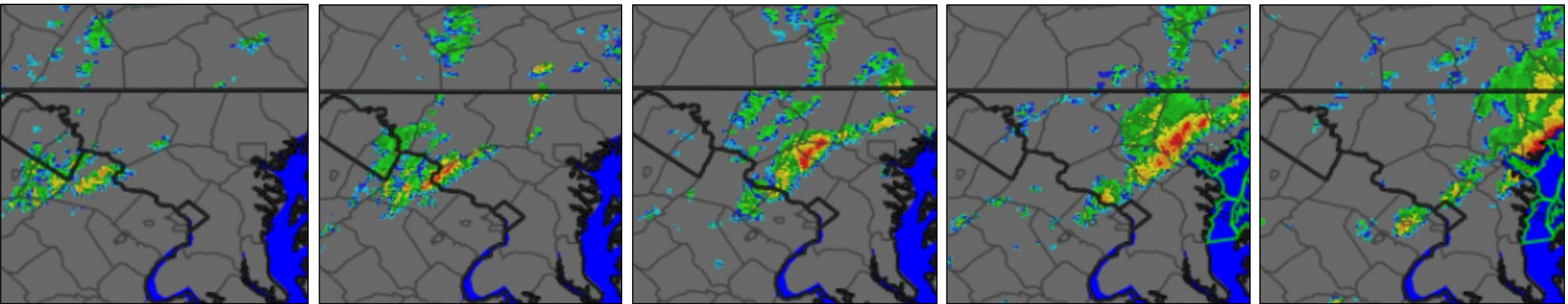
15:10Z radar

15:40Z radar

16:10Z radar

16:40Z radar

17:10Z radar



Over/lee of Catoctin/Blue Ridge Mtns: Favored for TS development ahead of spring/summer cold fronts

15Z surface analysis: Strong cold front

16Z: SBCAPE values > 250 j kg⁻², but < 1000 j kg⁻²

16Z effective bulk shear: high values for convection

16Z 0-3 km lapse rates: 7 – 7.5°C/km (unstable)

