

Attachment 1 - NCAR Graphic Turbulence Guidance (GTG) Re-Analysis

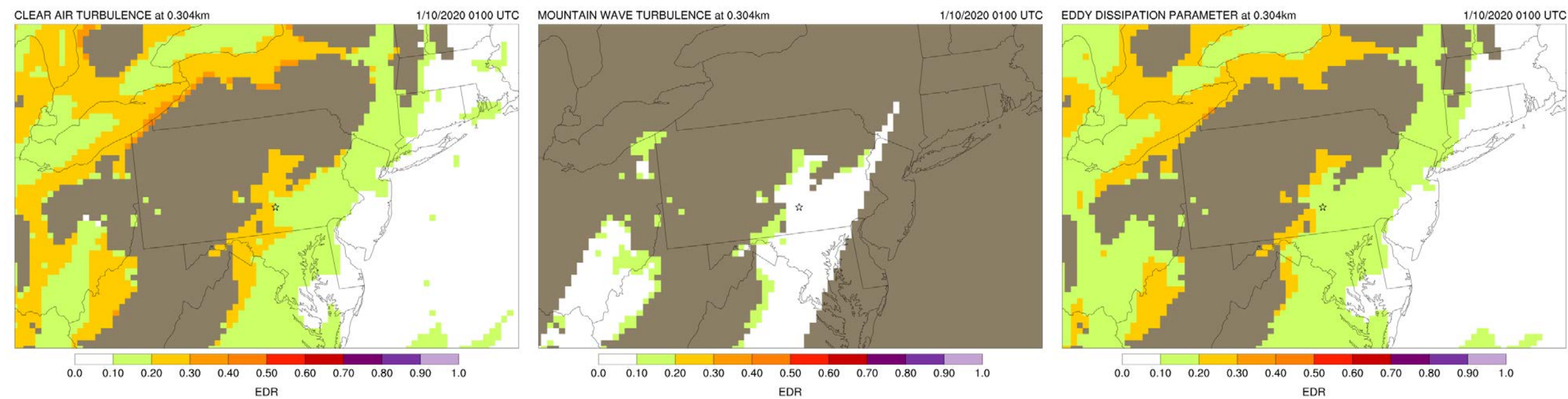
ERA20FA074 – Mechanicsburg, Pennsylvania

2029 EST on January 9, 2020

(0129 UTC on January 10, 2020)

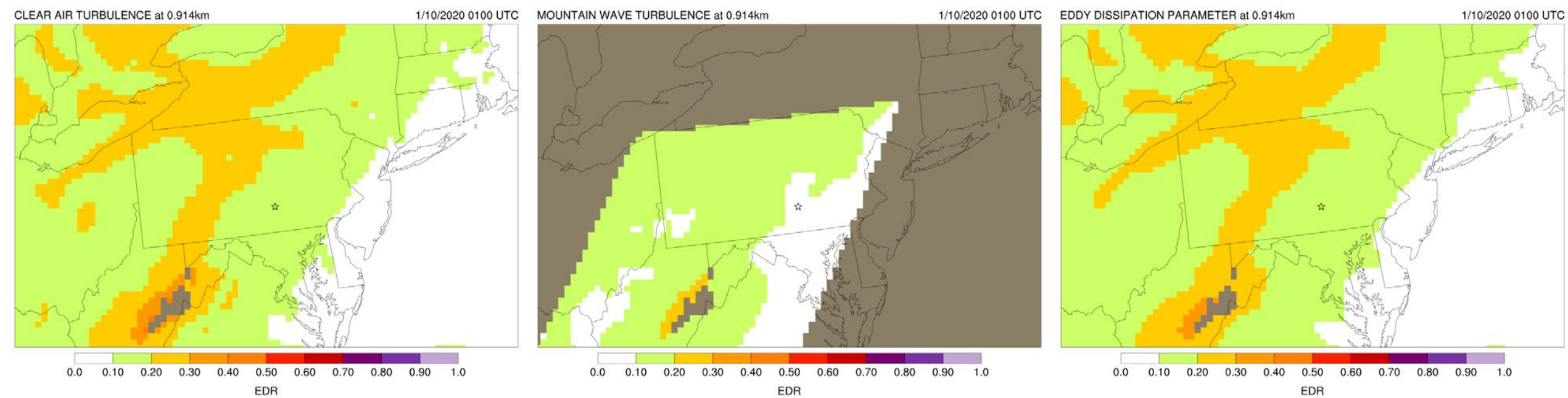
GTG CAT, MW, Combined 20200109 i22 f03

Valid 20200110 0100UTC at 1000 feet



GTG CAT, MW, Combined 20200109 i22 f03

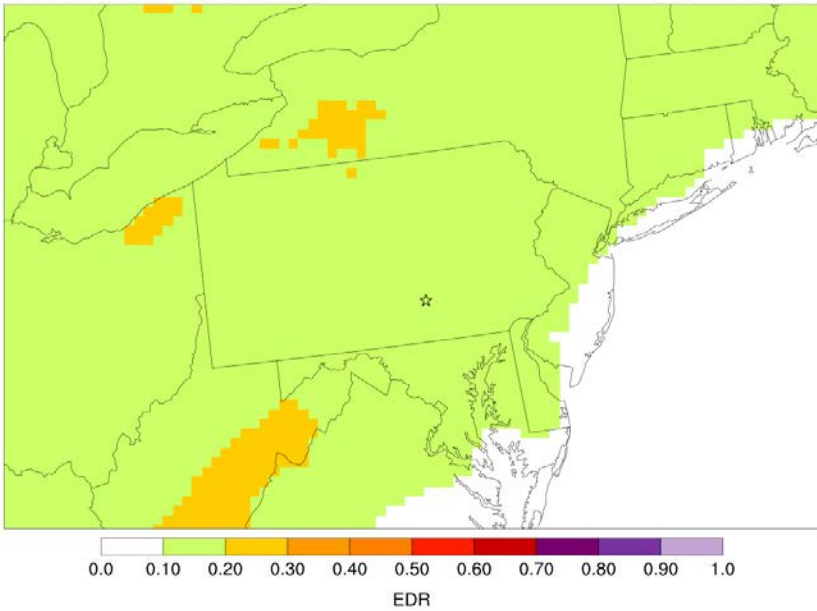
Valid 20200110 0100UTC at 3000 feet



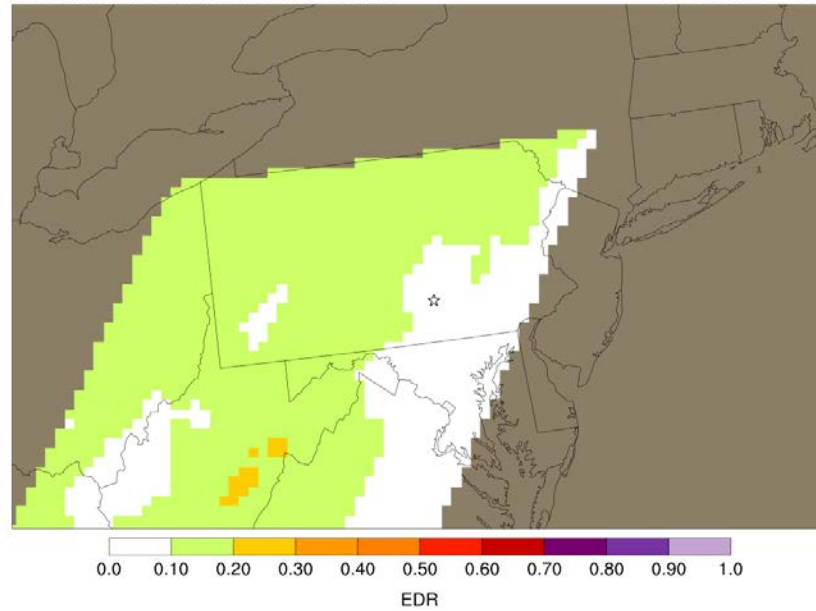
GTG CAT, MW, Combined 20200109 i22 f03

Valid 20200110 0100UTC at 5000 feet

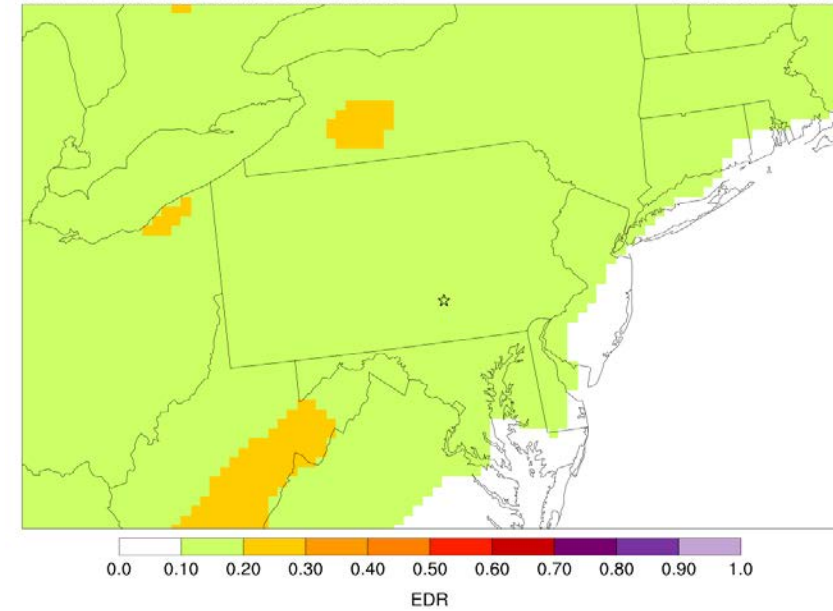
CLEAR AIR TURBULENCE at 1.524km 1/10/2020 0100 UTC



MOUNTAIN WAVE TURBULENCE at 1.524km 1/10/2020 0100 UTC

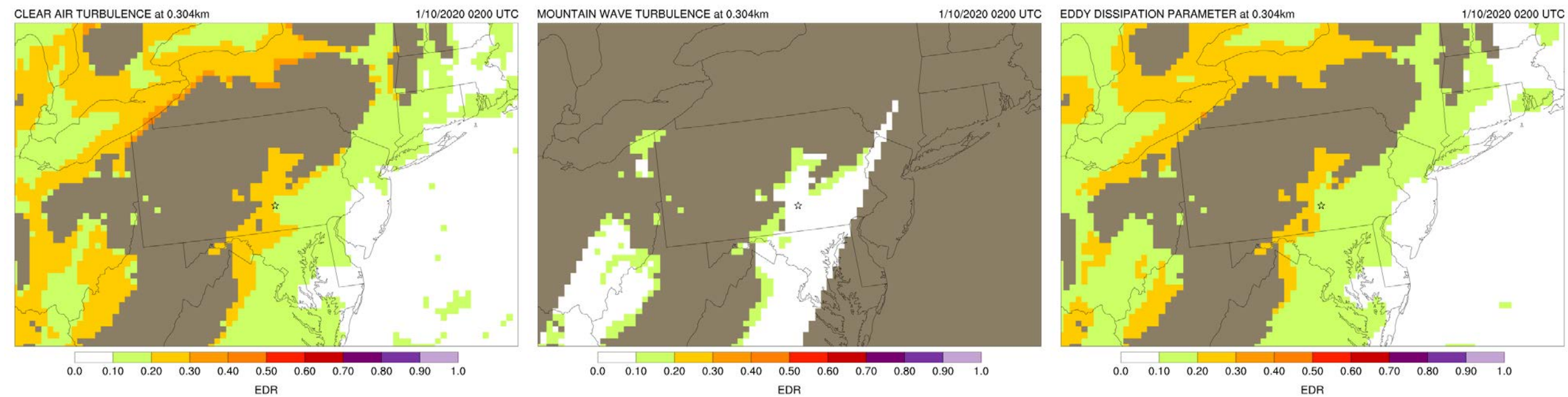


EDDY DISSIPATION PARAMETER at 1.524km 1/10/2020 0100 UTC



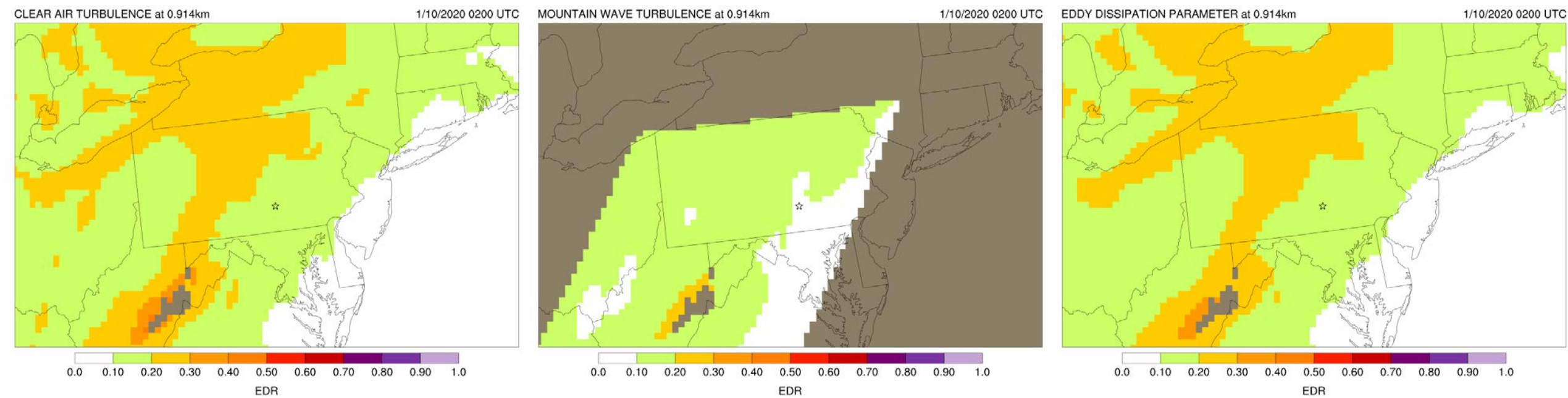
GTG CAT, MW, Combined 20200109 i23 f03

Valid 20200110 0200UTC at 1000 feet



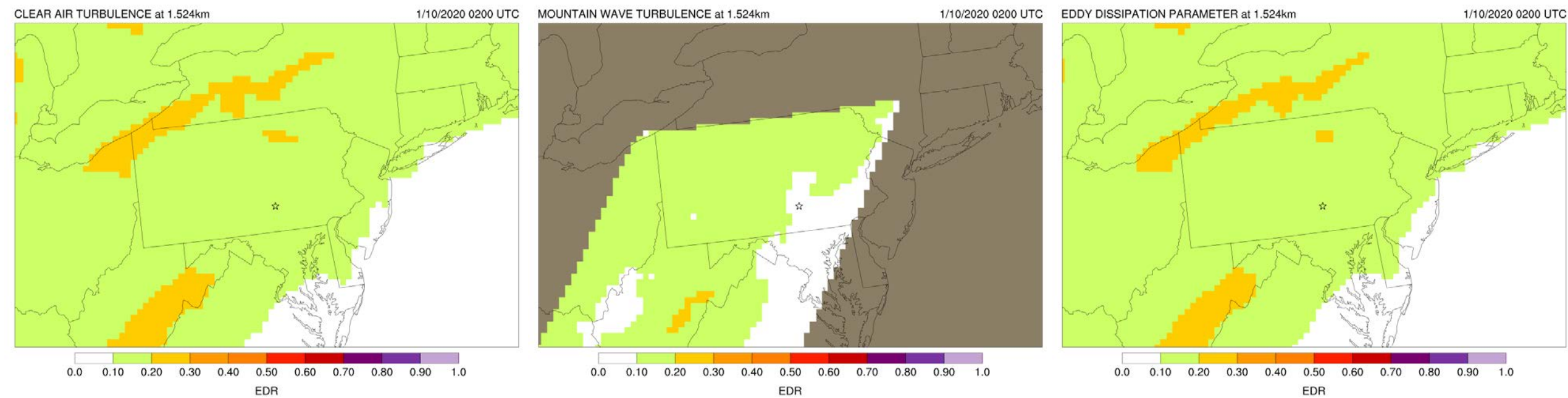
GTG CAT, MW, Combined 20200109 i23 f03

Valid 20200110 0200UTC at 3000 feet



GTG CAT, MW, Combined 20200109 i23 f03

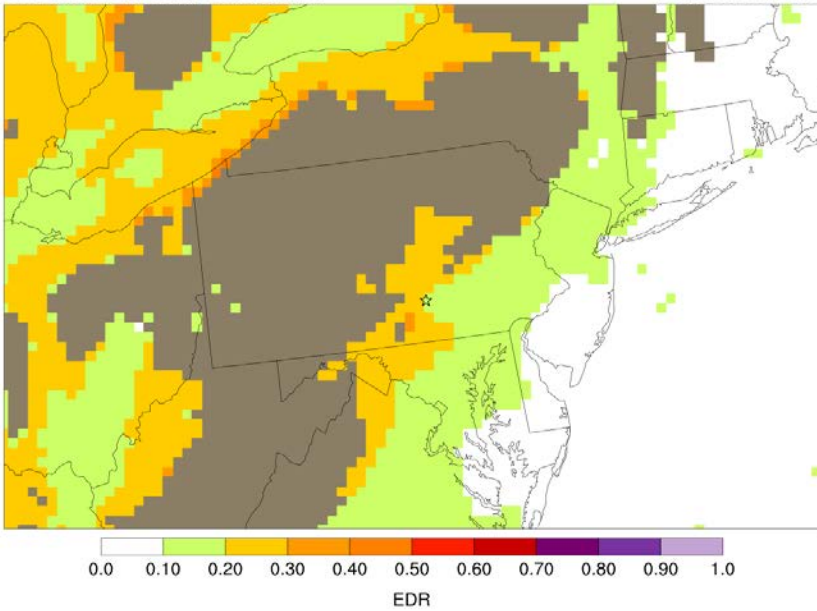
Valid 20200110 0200UTC at 5000 feet



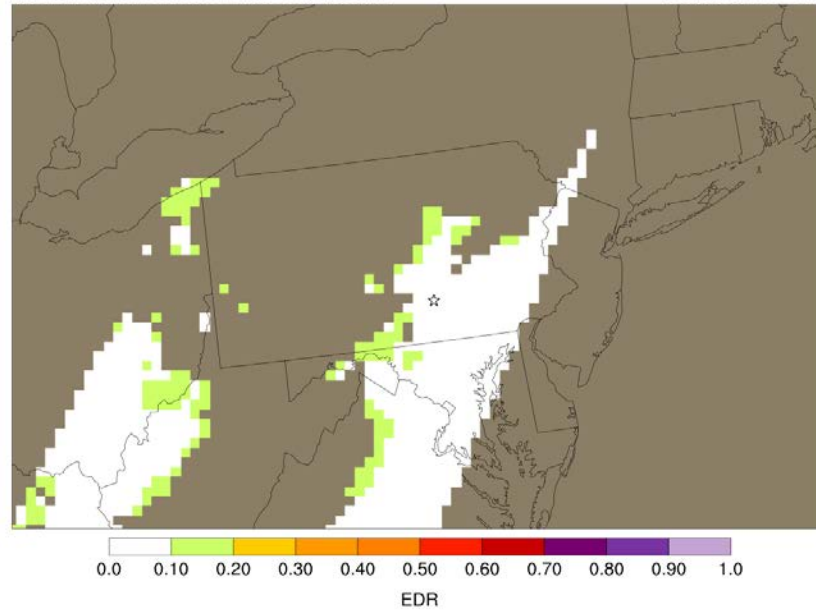
GTG CAT, MW, Combined 20200110 i01 f00

Valid 20200110 0100UTC at 1000 feet

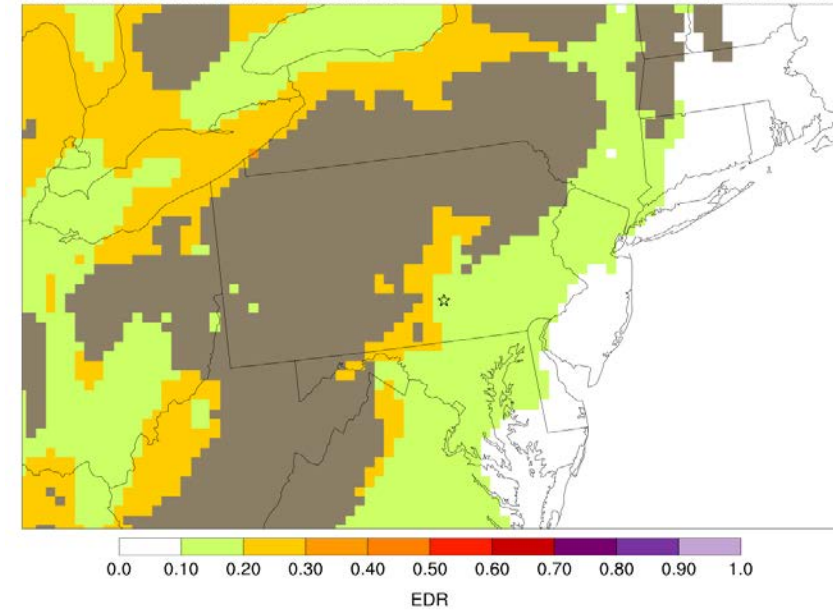
CLEAR AIR TURBULENCE at 0.304km 1/10/2020 0100 UTC



MOUNTAIN WAVE TURBULENCE at 0.304km 1/10/2020 0100 UTC

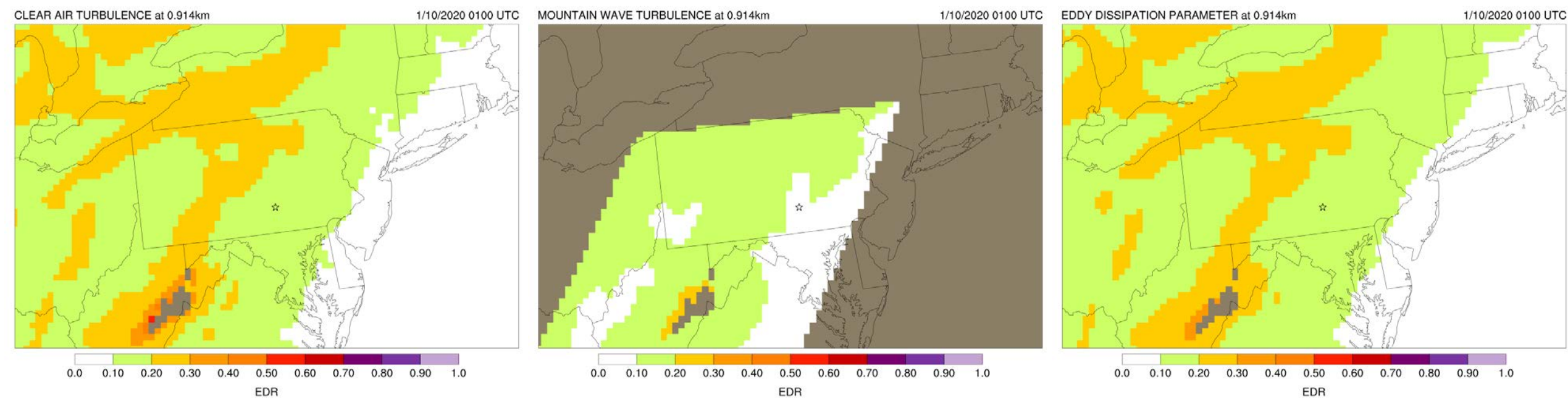


EDDY DISSIPATION PARAMETER at 0.304km 1/10/2020 0100 UTC



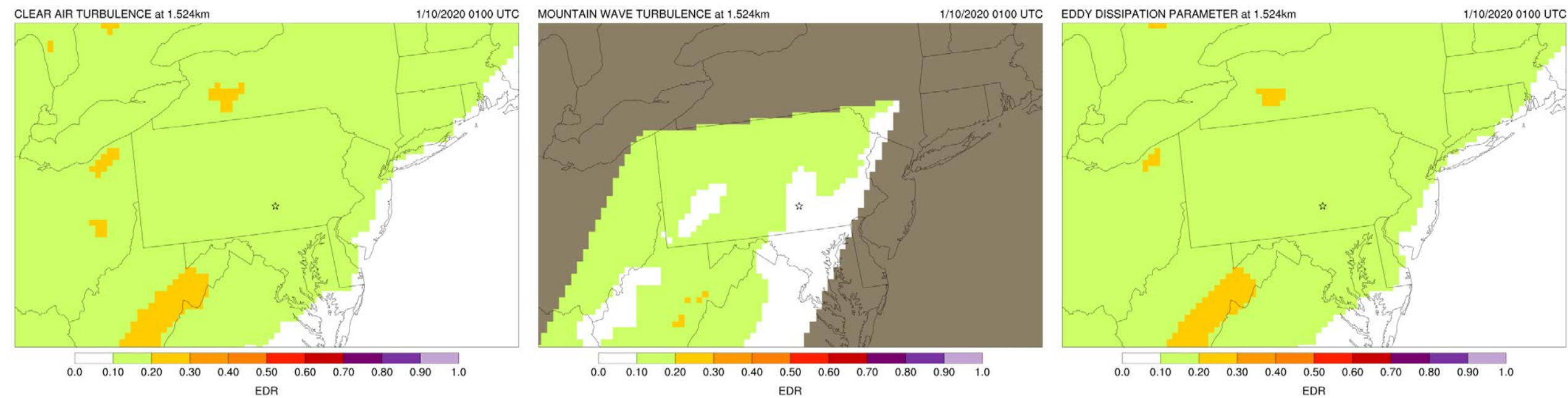
GTG CAT, MW, Combined 20200110 i01 f00

Valid 20200110 0100UTC at 3000 feet



GTG CAT, MW, Combined 20200110 i01 f00

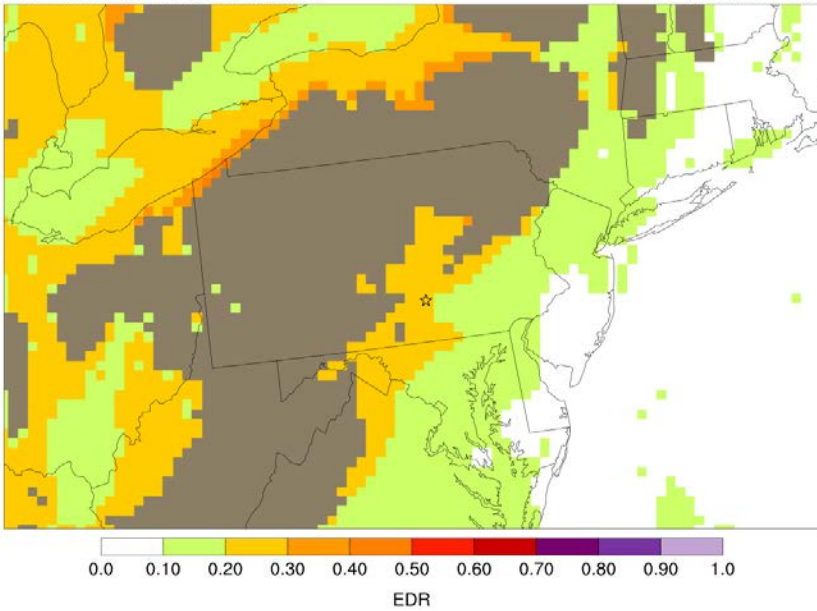
Valid 20200110 0100UTC at 5000 feet



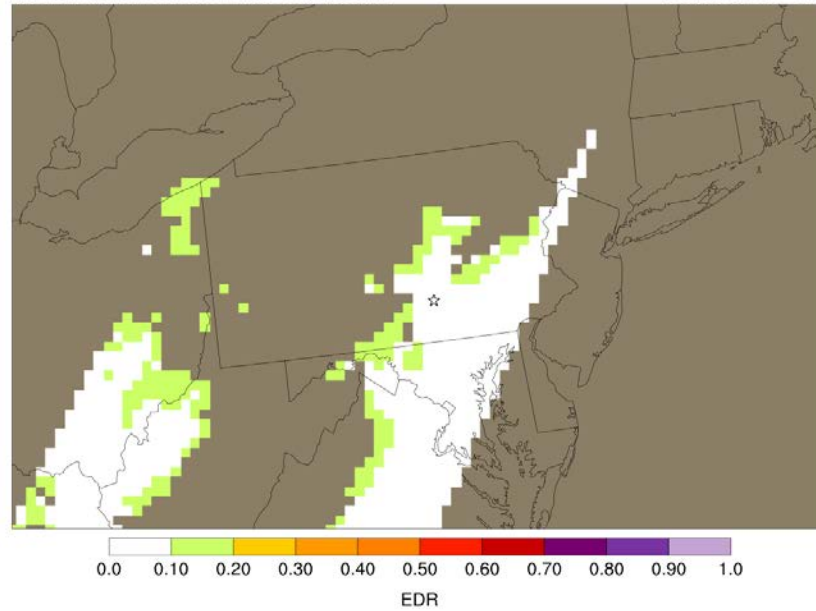
GTG CAT, MW, Combined 20200110 i02 f00

Valid 20200110 0200UTC at 1000 feet

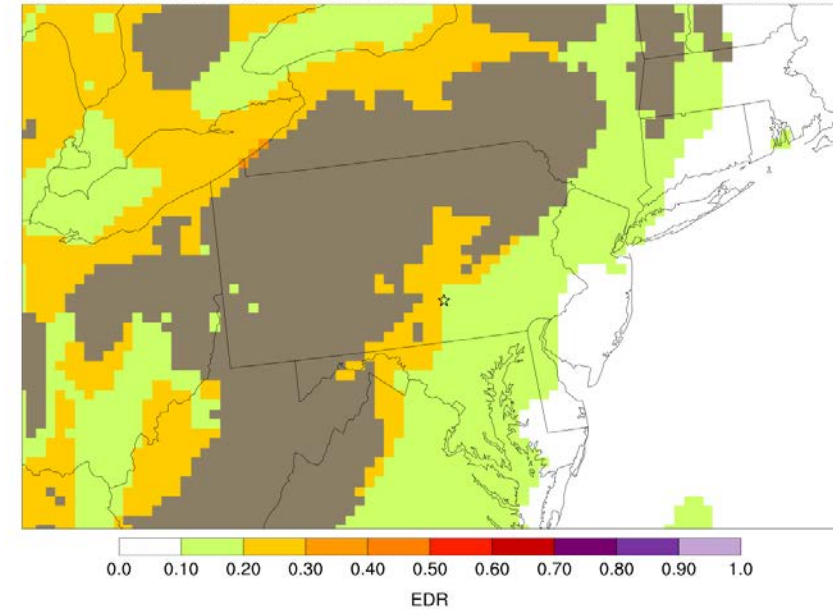
CLEAR AIR TURBULENCE at 0.304km 1/10/2020 0200 UTC



MOUNTAIN WAVE TURBULENCE at 0.304km 1/10/2020 0200 UTC



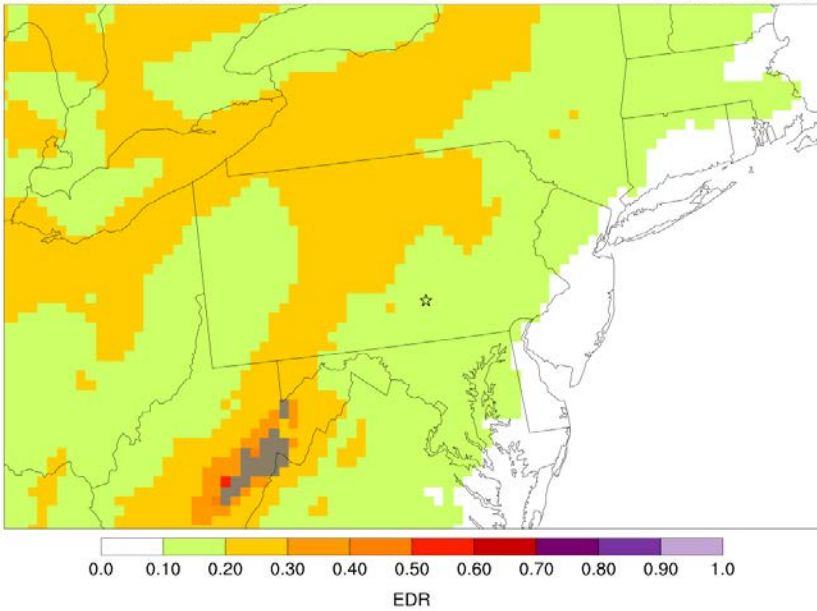
EDDY DISSIPATION PARAMETER at 0.304km 1/10/2020 0200 UTC



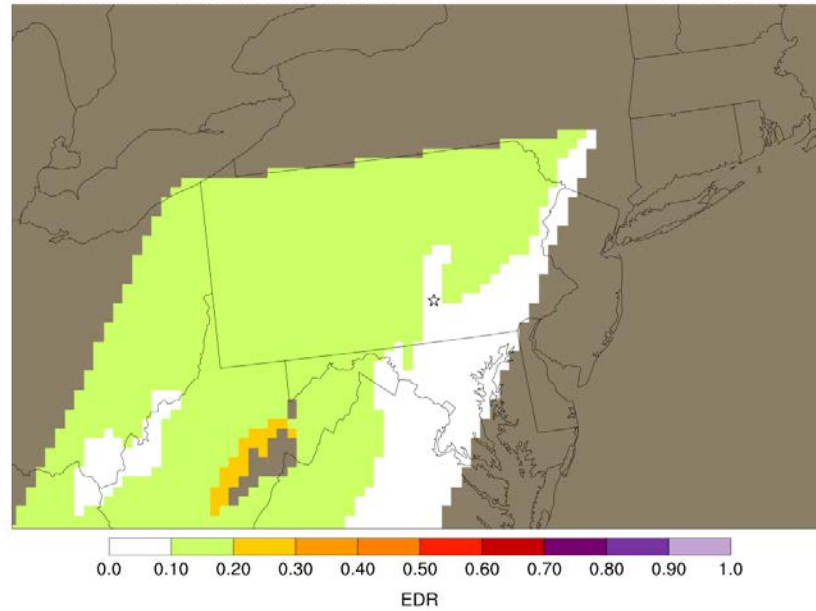
GTG CAT, MW, Combined 20200110 i02 f00

Valid 20200110 0200UTC at 3000 feet

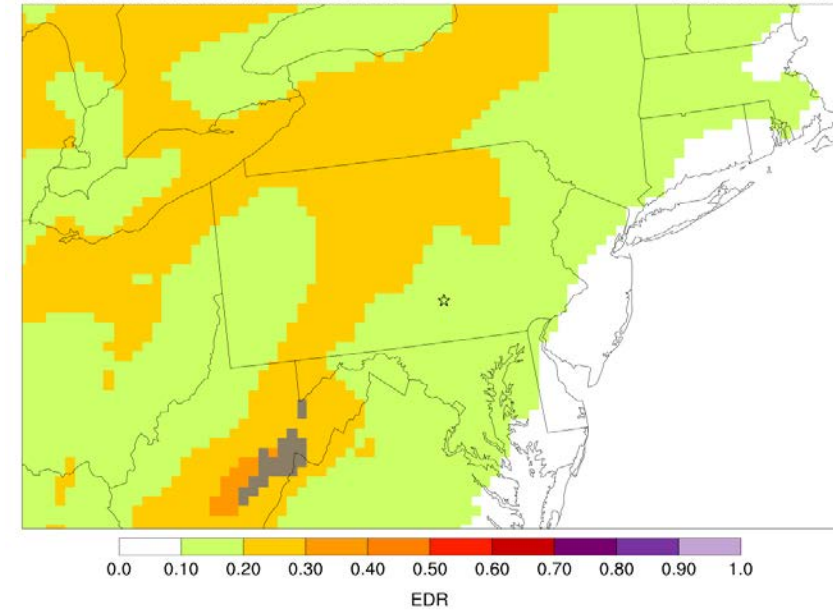
CLEAR AIR TURBULENCE at 0.914km 1/10/2020 0200 UTC



MOUNTAIN WAVE TURBULENCE at 0.914km 1/10/2020 0200 UTC



EDDY DISSIPATION PARAMETER at 0.914km 1/10/2020 0200 UTC



GTG CAT, MW, Combined 20200110 i02 f00

Valid 20200110 0200UTC at 5000 feet

