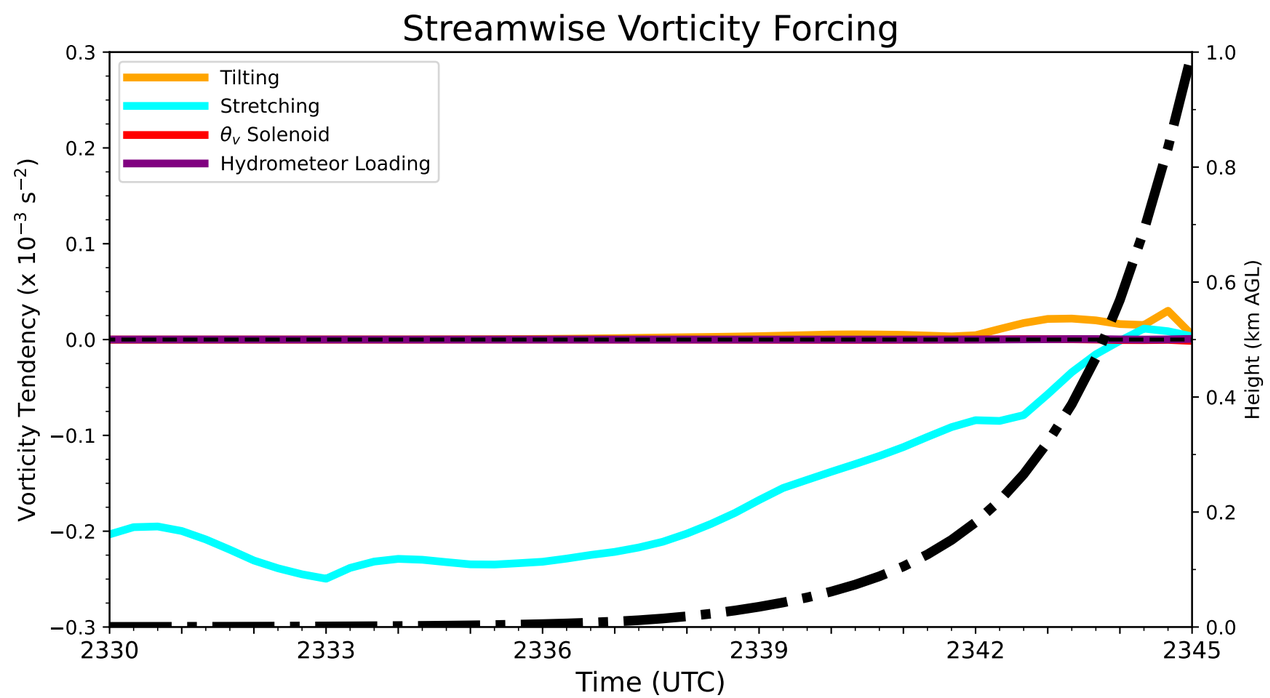
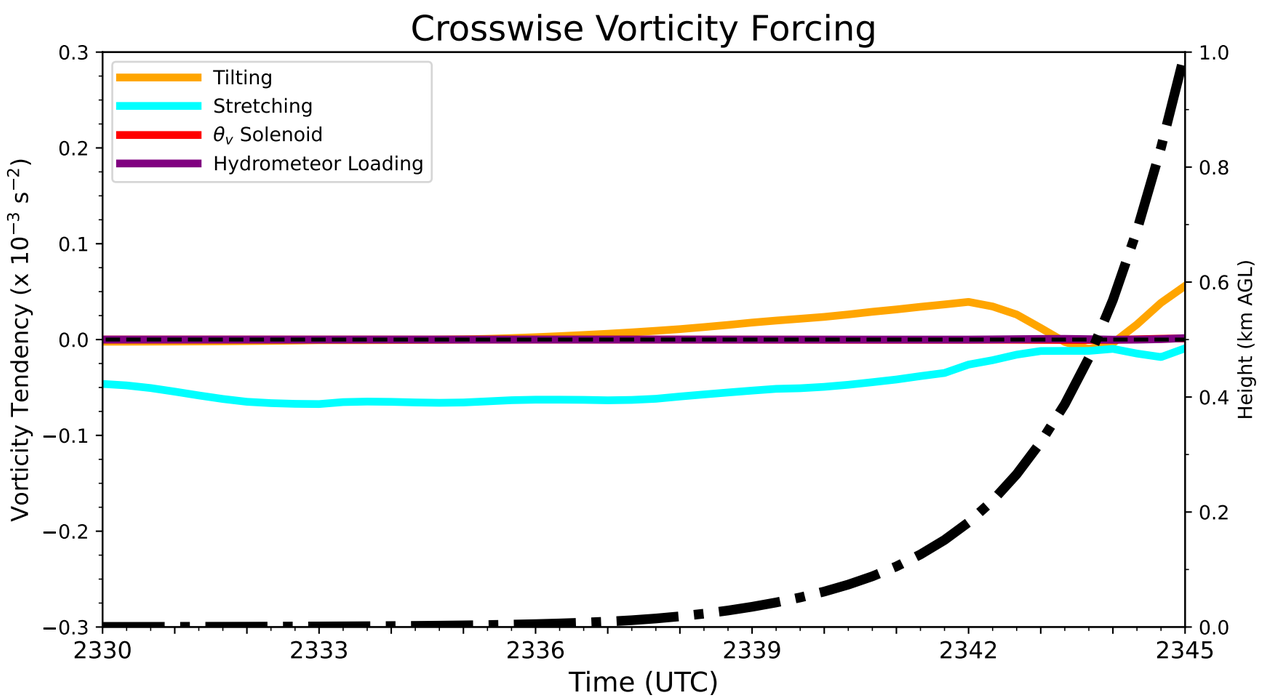
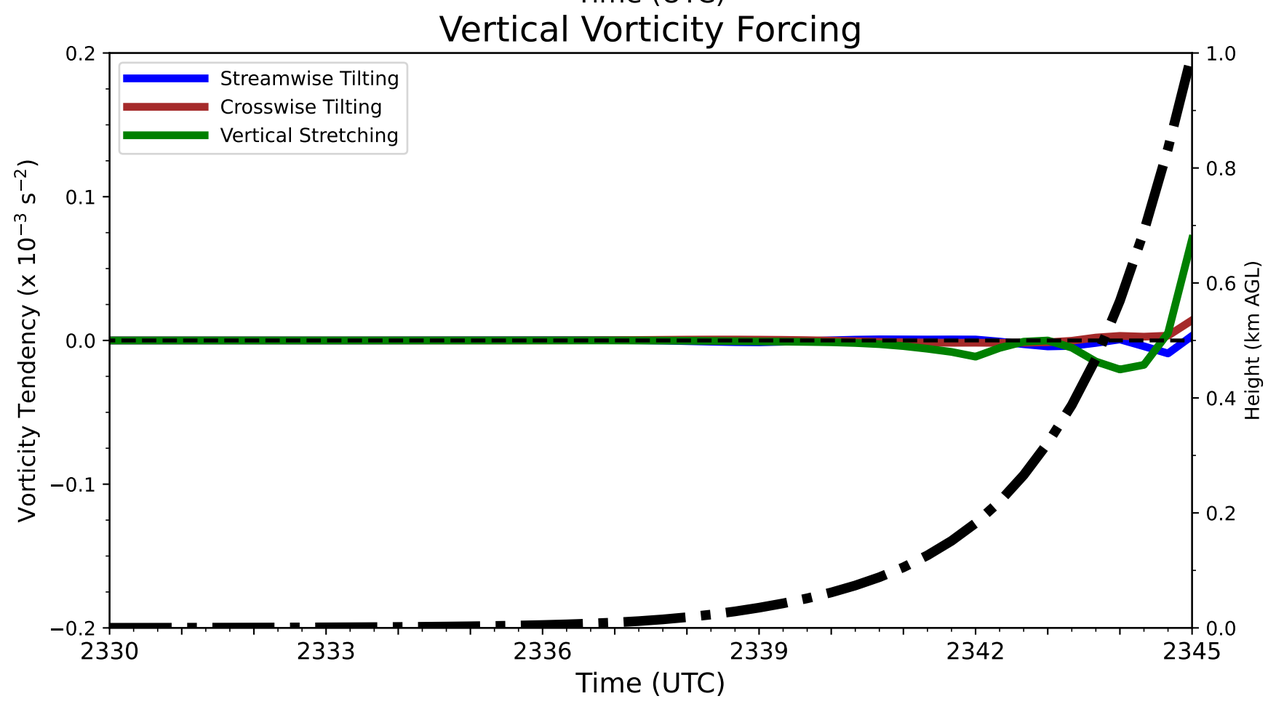
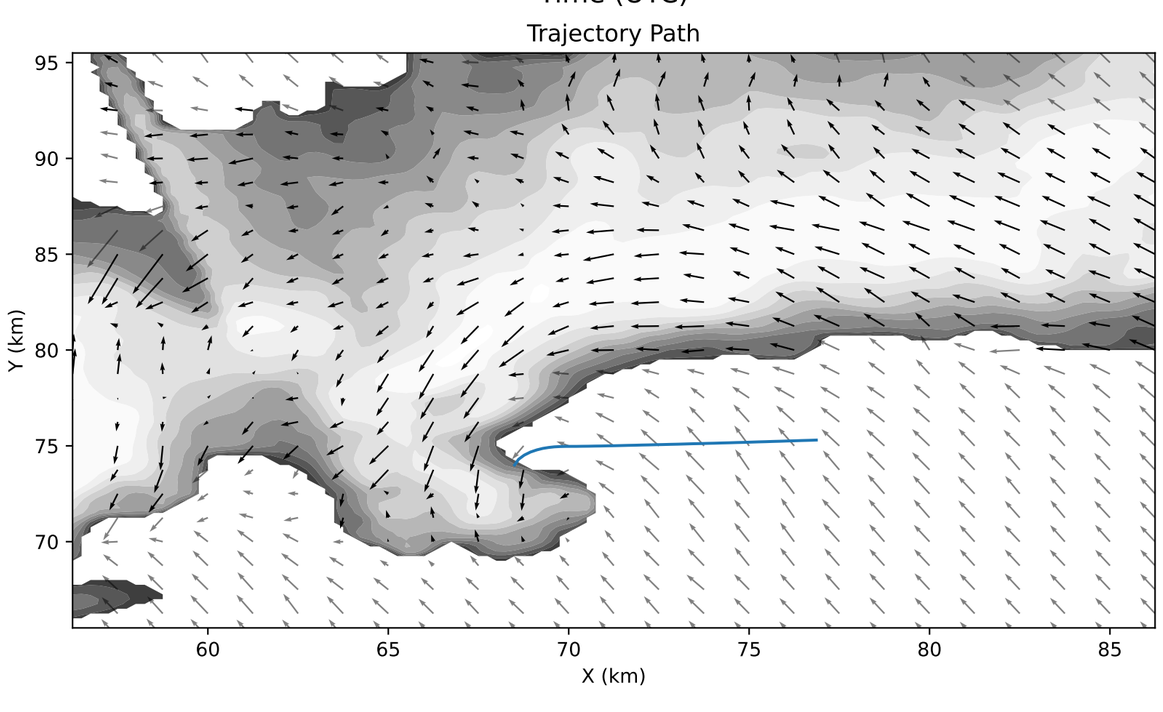

Streamwise Vorticity Forcing
Tilting
Stretching
θ_v Solenoid
Hydrometeor Loading
Vorticity Tendency (x 10^{-3} s^{-2})
Height (km AGL)
Time (UTC)
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
1.0
0.8
0.6
0.4
0.2
0.0
2330
2333
2336
2339
2342
2345


Crosswise Vorticity Forcing
Tilting
Stretching
θ_v Solenoid
Hydrometeor Loading
Vorticity Tendency (x 10^{-3} s^{-2})
Height (km AGL)
Time (UTC)
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
1.0
0.8
0.6
0.4
0.2
0.0
2330
2333
2336
2339
2342
2345


Vertical Vorticity Forcing
Streamwise Tilting
Crosswise Tilting
Vertical Stretching
Vorticity Tendency (x 10^{-3} s^{-2})
Height (km AGL)
Time (UTC)
0.2
0.1
0.0
−0.1
−0.2
1.0
0.8
0.6
0.4
0.2
0.0
2330
2333
2336
2339
2342
2345


Trajectory Path
Y (km)
X (km)
95
90
85
80
75
70
60
65
70
75
80
85