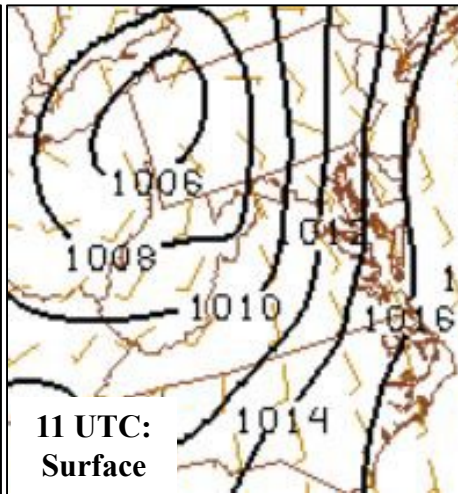
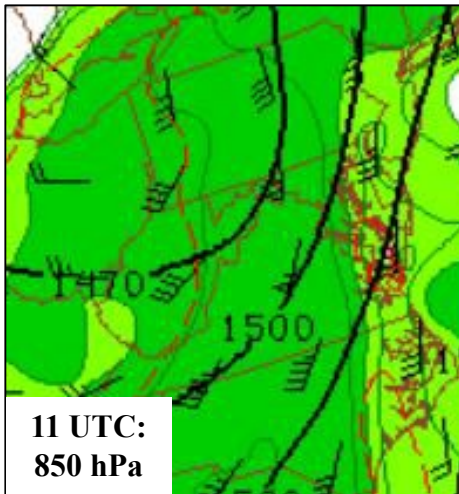
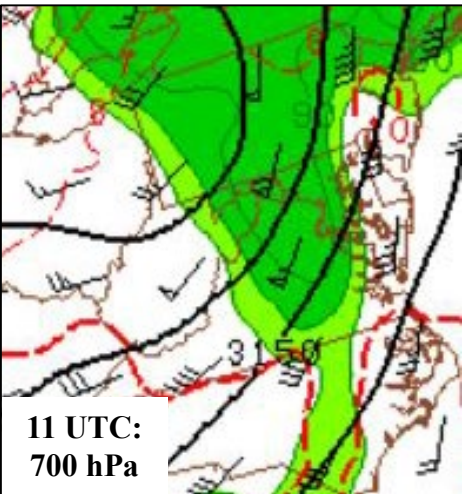
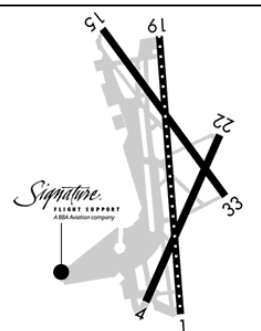
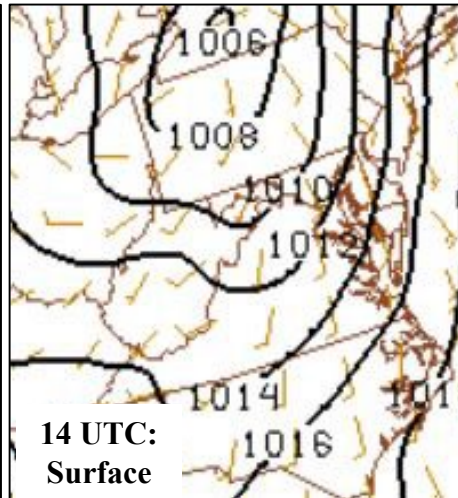
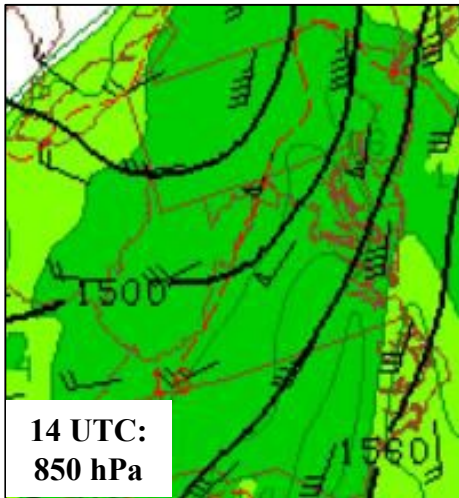
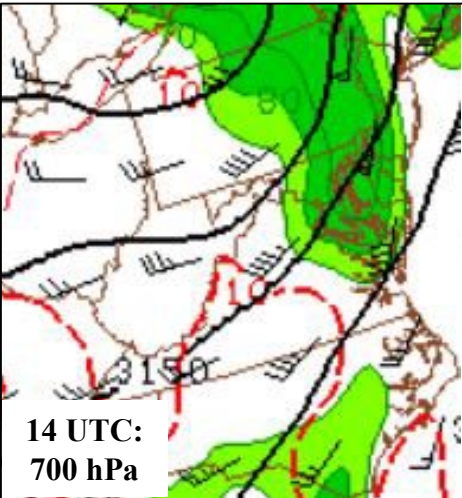
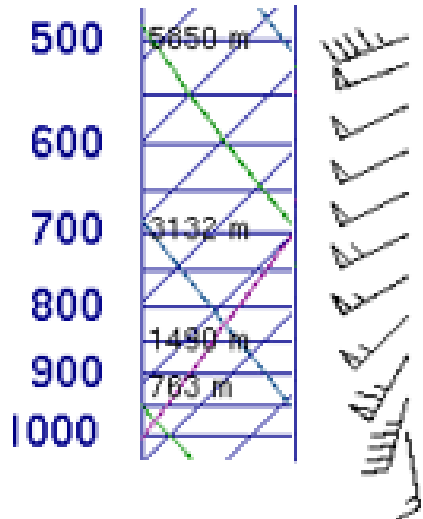


9 Oct 2017 (morning) – (Wind) compression at DCA



From the IAD Skew-T at
12 UTC on 9 Oct 17:



During the morning of 9 Oct 2017, DCA reported impacts due to compression. S-SW wind ahead of a storm system were ≥ 50 kts from ~ 925 hPa to 700 hPa during the time impacts were noted. Compare the DCA runway layout (left) to the wind (above). Planes approaching from the S-SW, then circling around below 100 to land from the N (a common inbound flight path for DCA) would have experienced up to 130 kts of wind compression.

Impacts, per PCT (via FAA log):

1143Z- HOLDING ALL FIXES FOR DCA, MULTIPLE GO AROUNDS DUE TO COMPRESSION.

1300Z- DCA MULTIPLE GO AROUNDS DUE TO COMPRESSION AND EQUIPMENT ISSUES.