

AOSC 470/600
Homework #2 – Forecast Preparation Practice
DUE: Friday 22 September 2017 (8 p.m.)

In preparation for the WxChallenge, please prepare a one day forecast for Washington National Airport (KDCA) using the forecast log as a guideline (<http://www.aosc.umd.edu/~dkleist/docs/classes/aosc600/Misc/WxChallengeLog.pdf>). Please have your forecast prepared by 00 UTC (8 p.m. on a particular day) with the forecast valid from 06 UTC until 06 UTC the subsequent day.

In addition to submitting your forecast, please go back and look at the verification after the forecast period has expired. For example, you could forecast for Wednesday, 20 September by completing your forecast before 8 p.m. on the 19th. The validation period will actually be between 2 a.m. on 20 September and 2 a.m. on the 21st (2 a.m. being 6 UTC during EDT). For verification, please use the observations/metars and/or the daily climate summary. The wind verification will always come from the daily climate report (example for DCA here: <https://www.weather.gov/climate/index.php?wfo=lwx>).

You are free to turn in a hard copy of your forecast log or an electronic submission thereof (scanned or typed). Please email the professor if you need suggestions as to where to find the relevant observation and model data to build your forecast. Feel free to use NWS (point forecast and area forecast discussions), MOS, etc. to help construct your forecast.