



AIRPACT-5: Testing and Implementation

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Testing Phase

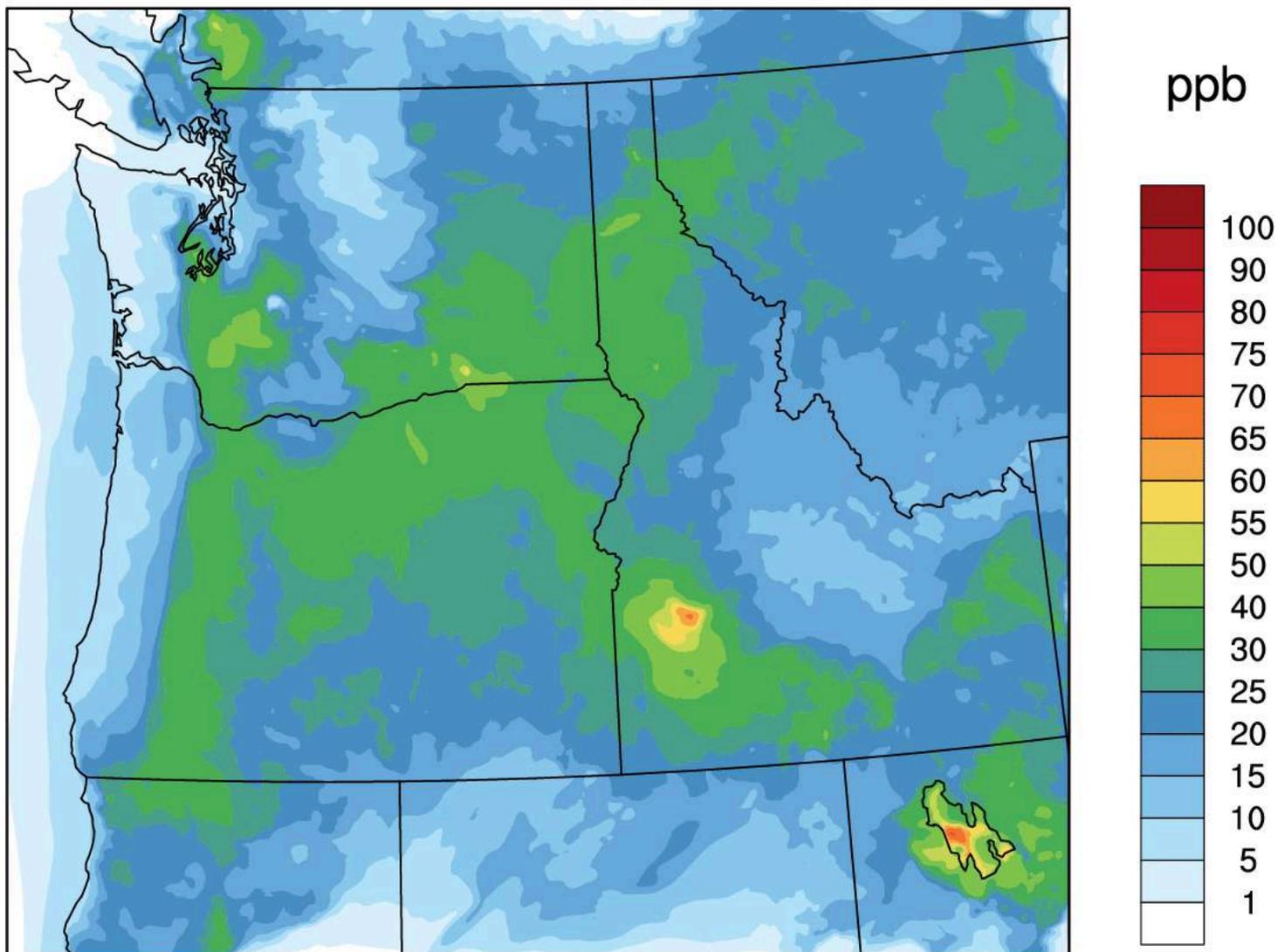
- Initial testing for debugging and comparison to AIRPACT-4
 - For O3 and PM2.5, use 2012 summer periods with and without fires
 - For PM2.5, use 2013 YAWNS for winter conditions
 - Compare AP5 and AP4 emissions (time series, totals, maps)
 - Compare AP5 and AP4 concentrations (time series, maps)
 - Conduct statistical analyses (FB, FE, etc)



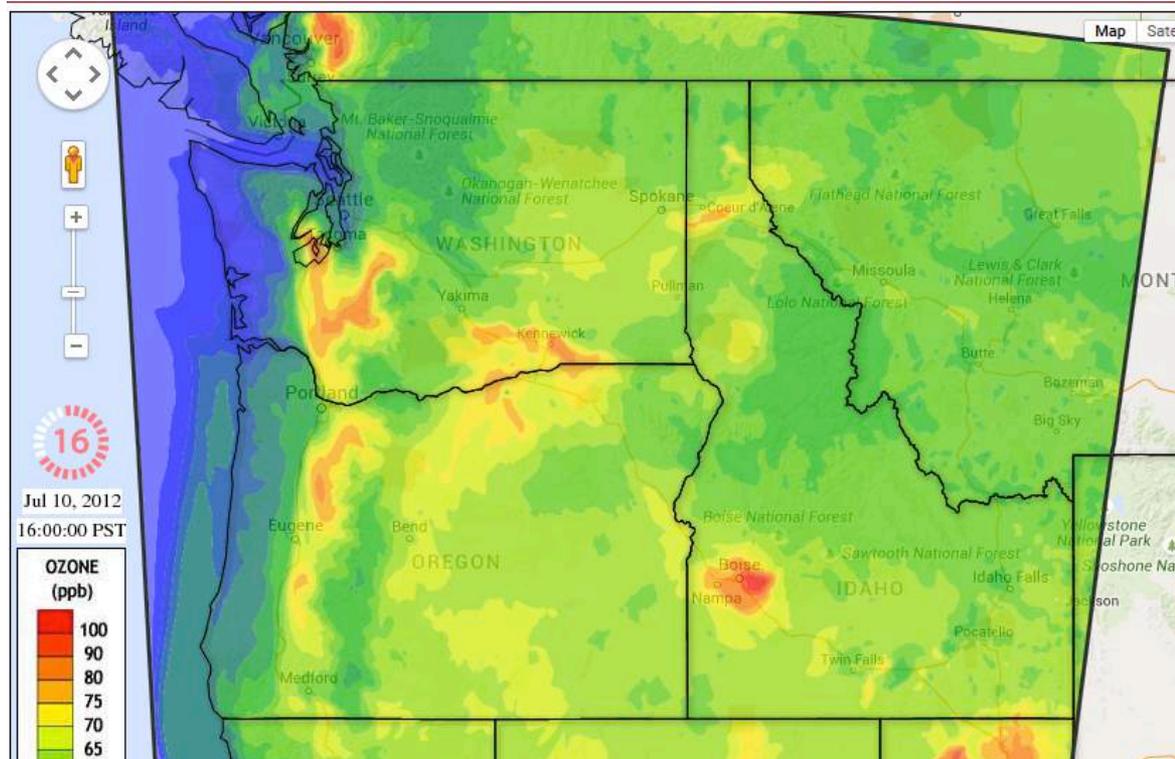
AIRPACT-5 CMAQ Results

O₃

2012-07-10 16:00:00 PST



AIRPACT-4 July 10, 2012, 1600 PST



- First look, O₃ is lower in AIRPACT-5
- Note, different color scale



Implementation Phase

- Implement as an operational product as soon as testing confirms there are no major issues
 - Target: mid-July
 - Run in parallel with AP4 for the remainder of the summer or longer
 - Run AIRPACT-5 with only 24 hr forecasts during this phase
- Initiate evaluation as operational forecasts accumulate
- Evaluation for summer ozone (summer 2015)
- Evaluate for winter PM2.5 (winter 2015)
- Monthly reports via conference calls on testing and evaluation status and results
 - EI working group to QA emissions and compare to AIRPACT-4
 - Evaluation working group to lead evaluation analyses



Questions