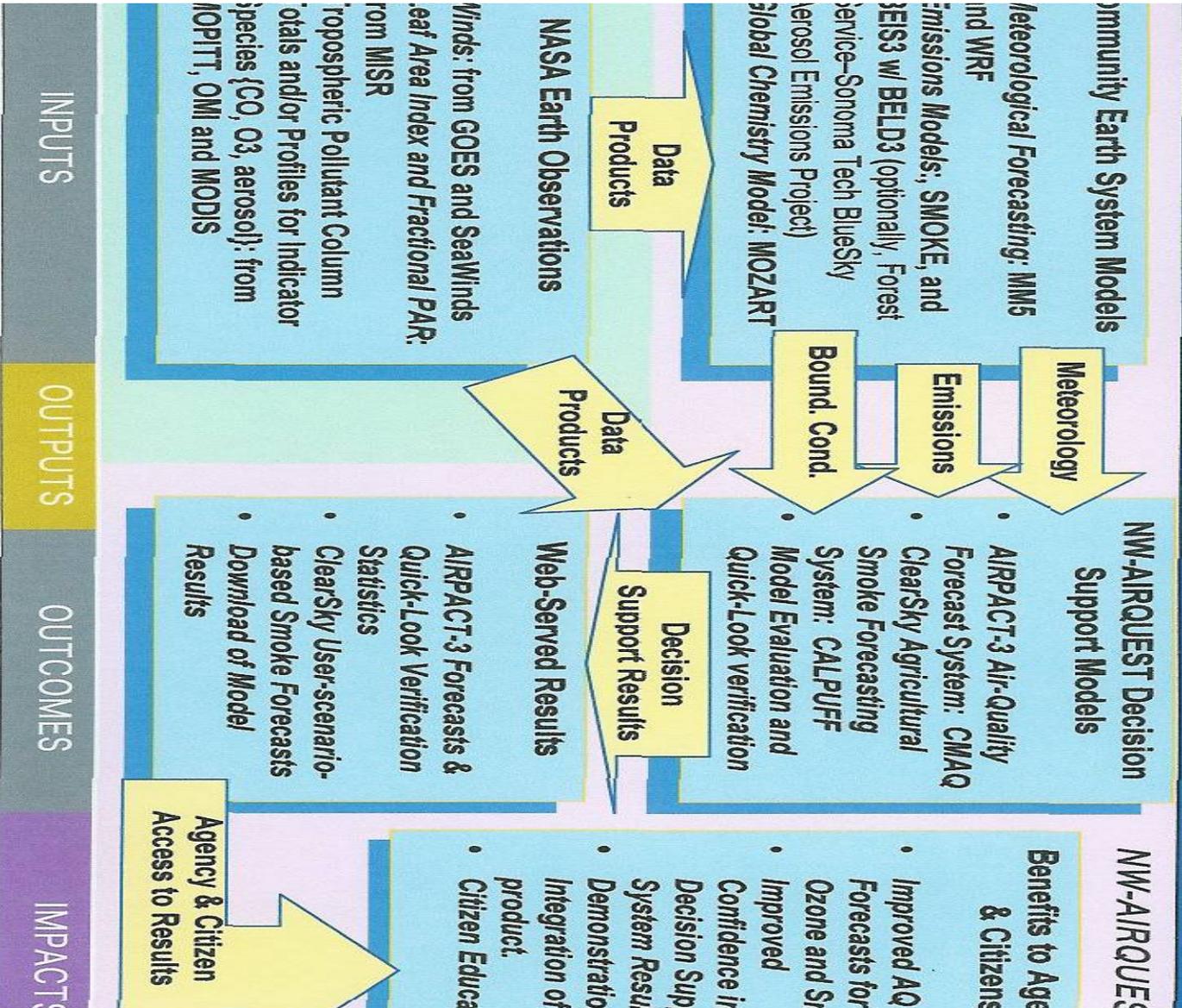


The AIRPACT AQ Forecast System & NASA Project for Exploiting Satellite Data

Joe Vaughan, Farren Thorpe, Brian Lamb, George Mount
Laboratory for Atmospheric Research, WSU-Pullman
Cliff Mass and Greg Hakim, UW, Seattle
Louisa Emmons and David Edwards, UCAR
Ray Peterson, Pasayten Consulting

Applied Sciences Program Approach to Integrated System Solutions for A Comprehensive Regional Air-Quality Decision Support System for the Pacific Northwest

Applied Sciences Program Approach to Integrated System Solutions for Comprehensive Regional Air-Quality Decision Support System for the Pacific Northwest

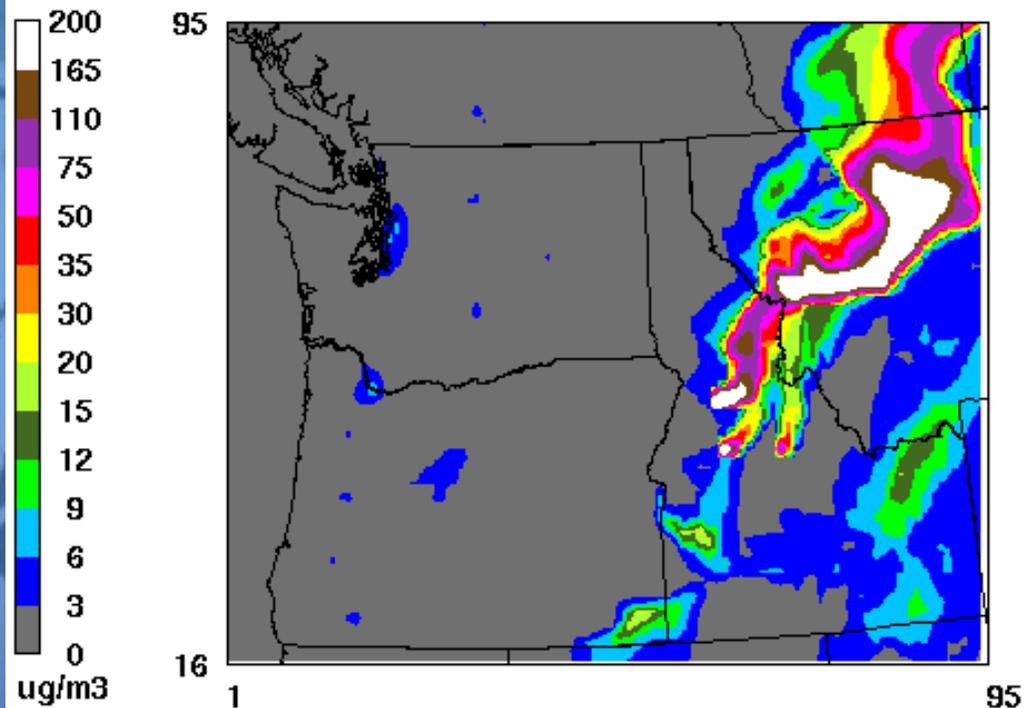


Integrated systems solution for a comprehensive air quality decision support system in the Pacific Northwest that through the use of NASA Earth-Sun system observations for meteorology, land-cover, and atmospheric trace species appear against a mint-green background, NW-AIRQUEST operations appear against a pink background.

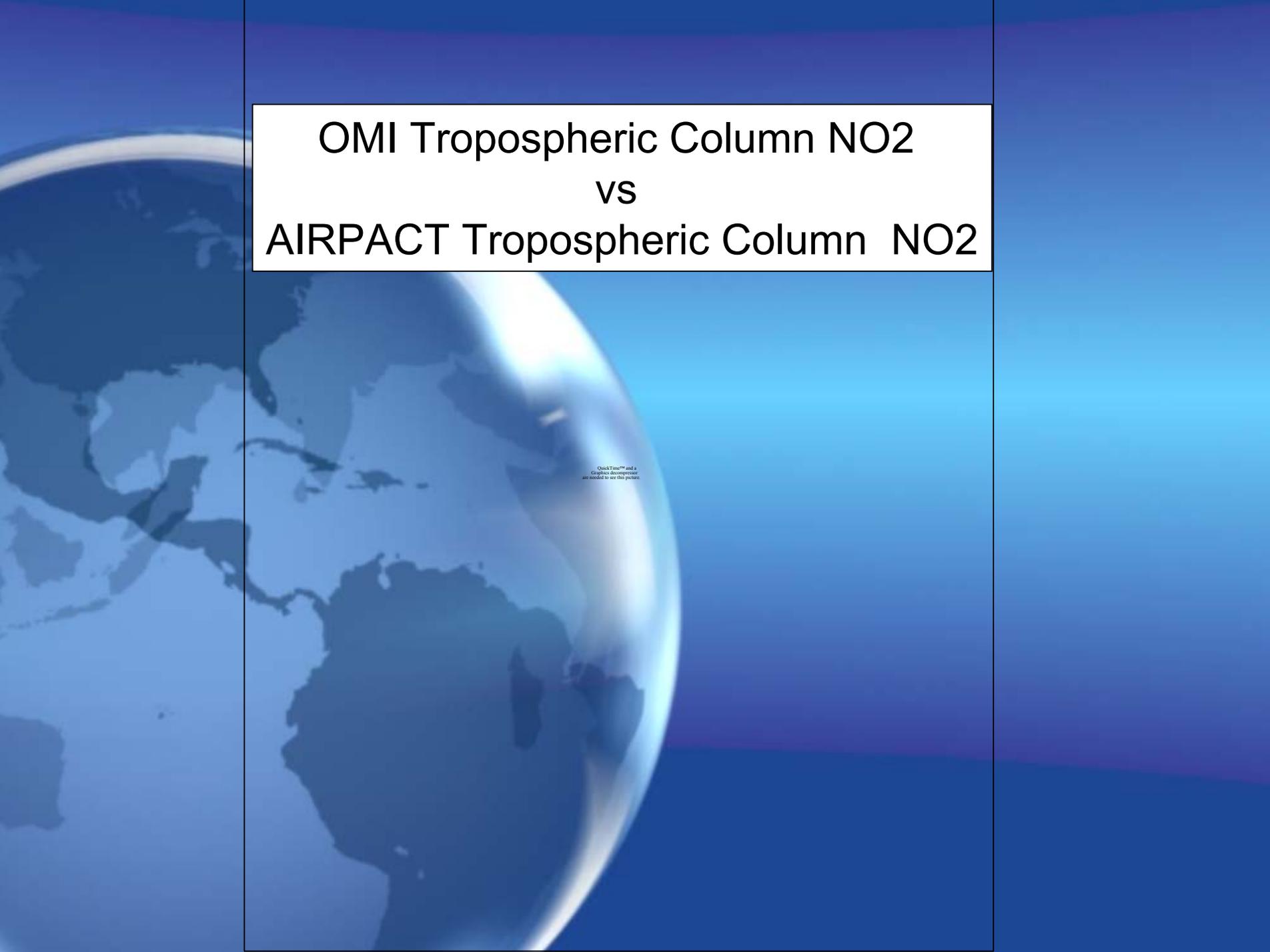
<http://lar.wsu.edu/airpact-3/>

CMAQ PM2.5

Layer 1



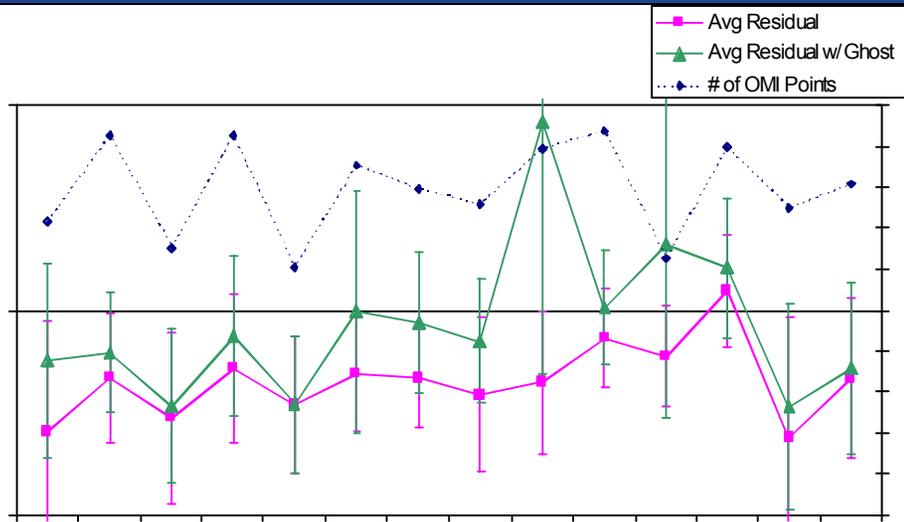
October 1, 2007 0:00:00 (PST)
Min= 0 at (44,76), Max=1017 at (62,48)



OMI Tropospheric Column NO₂ VS AIRPACT Tropospheric Column NO₂

QuickTime™ and a
GIFlet decompressor
are needed to see this picture.

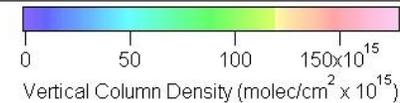
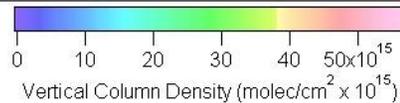
OMI AIRPACT-3 comparisons



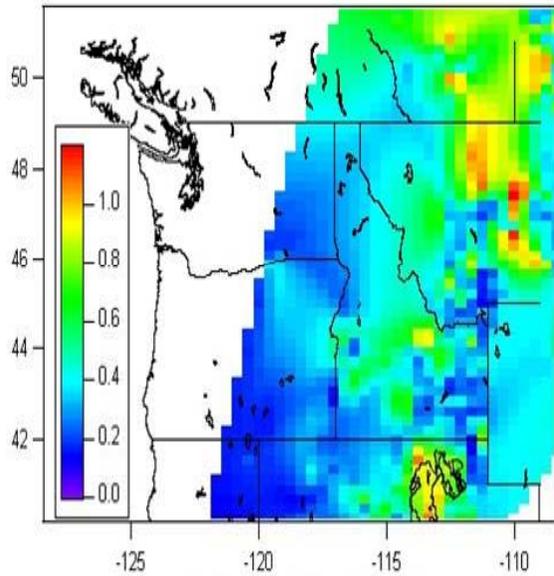
OMI NO₂ Tropospheric Column

AIRPACT NO₂ Tropospheric Column

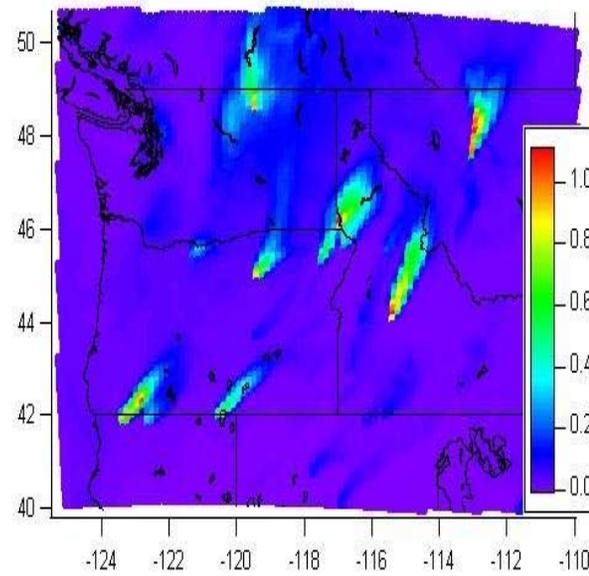
We are very interested in
tropospheric O₃ products!



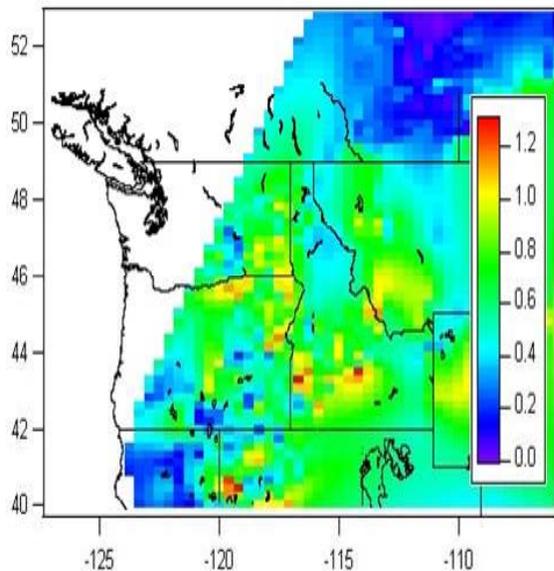
OMI AOD Retrievals and AIRPACT



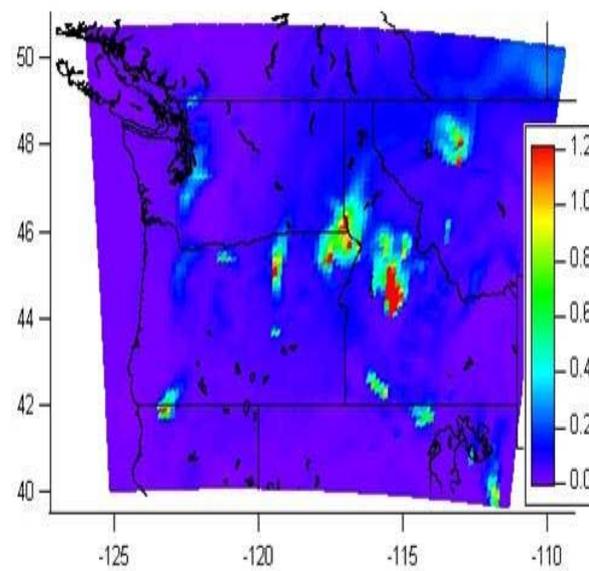
July 19 OMI at 13:38 to 14:34 GMT



July 19 AIRPACT at 13:00 GMT



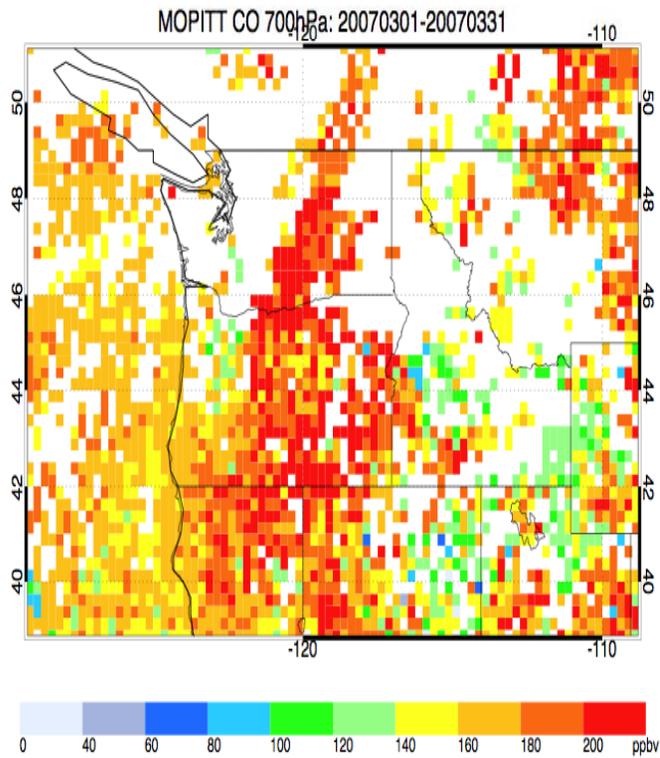
July 22 OMI at 13:26 to 14:12 GMT



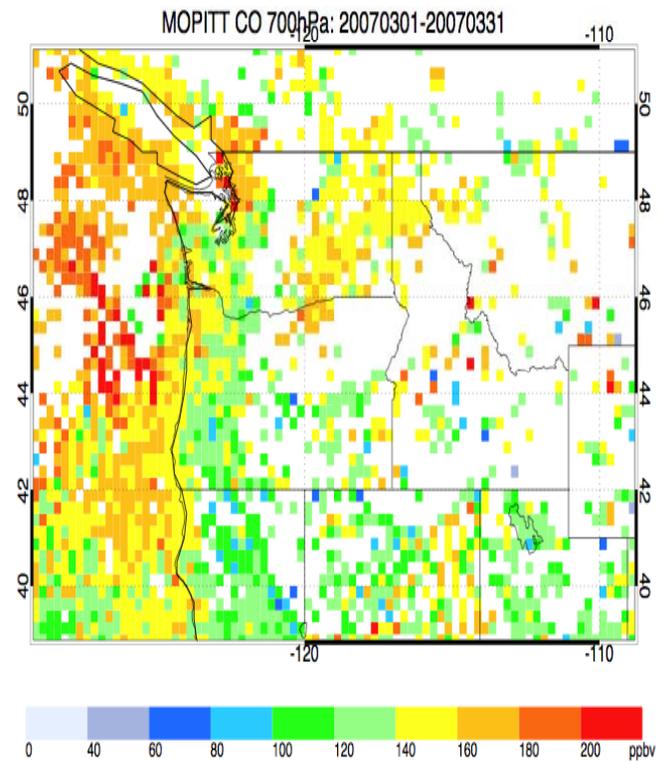
July 22 AIRPACT at 13:00 GMT

MOPITT CO Retrievals and AIRPACT

DAY



NIGHT





We're here to exploit your data,
if we can!!

Thank You

JVAUGHAN@WSU.EDU