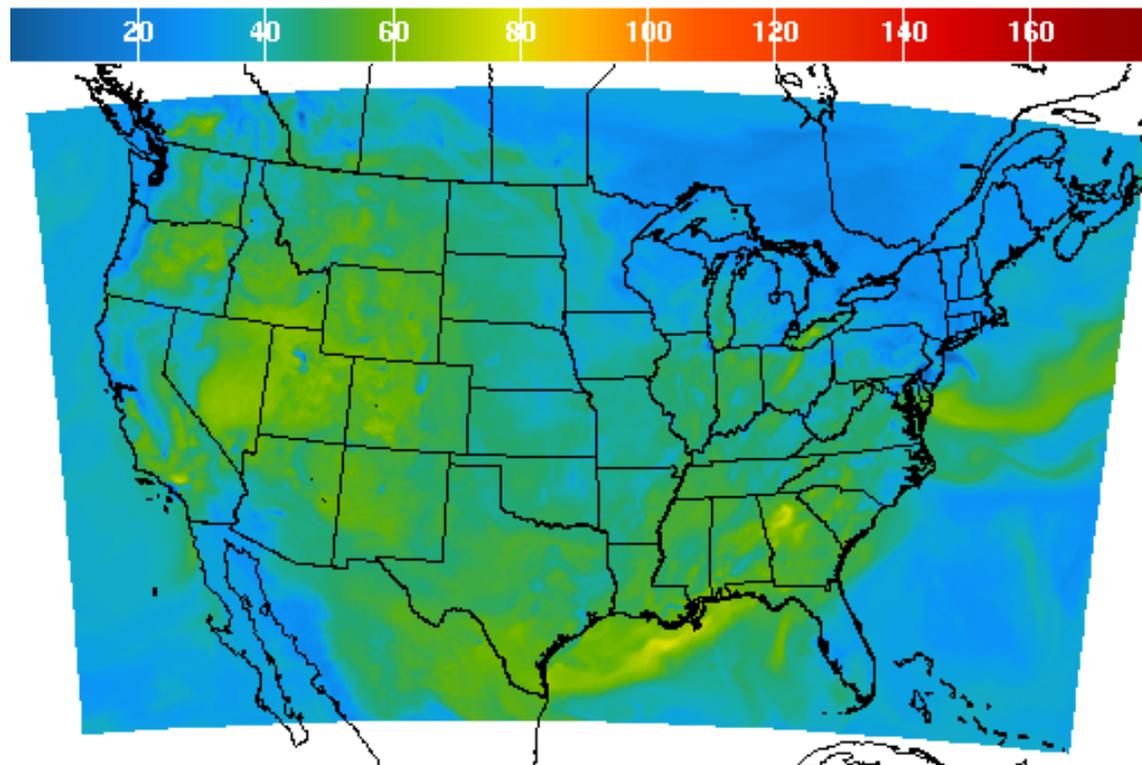


Air Quality Graphical Products

<http://www.nws.noaa.gov/aq/>
<http://www.weather.gov/aq-expr/>



1Hr Avg Ozone Concentration(PPB) Ending Tue Sep 05 2006 12PM EDT

Experimental

(Tue Sep 05 2006 16Z)



National Digital Guidance Database

06z model run

Graphic created-Sep 05 9:32AM EDT



September 6, 2006

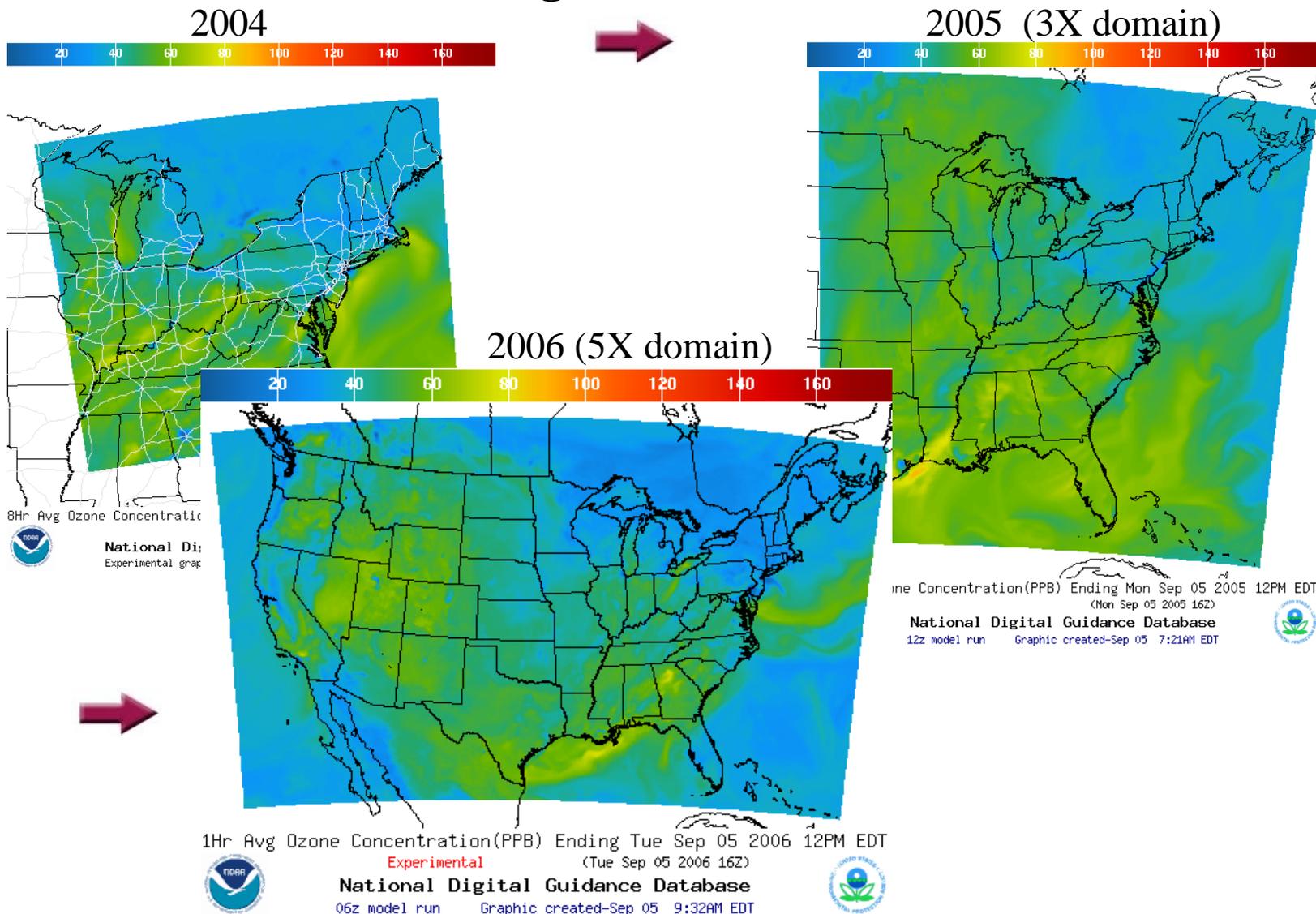
Air Quality Focus Group Workshop

Prepared by: Marc Saccucci, Meteorological Development Laboratory

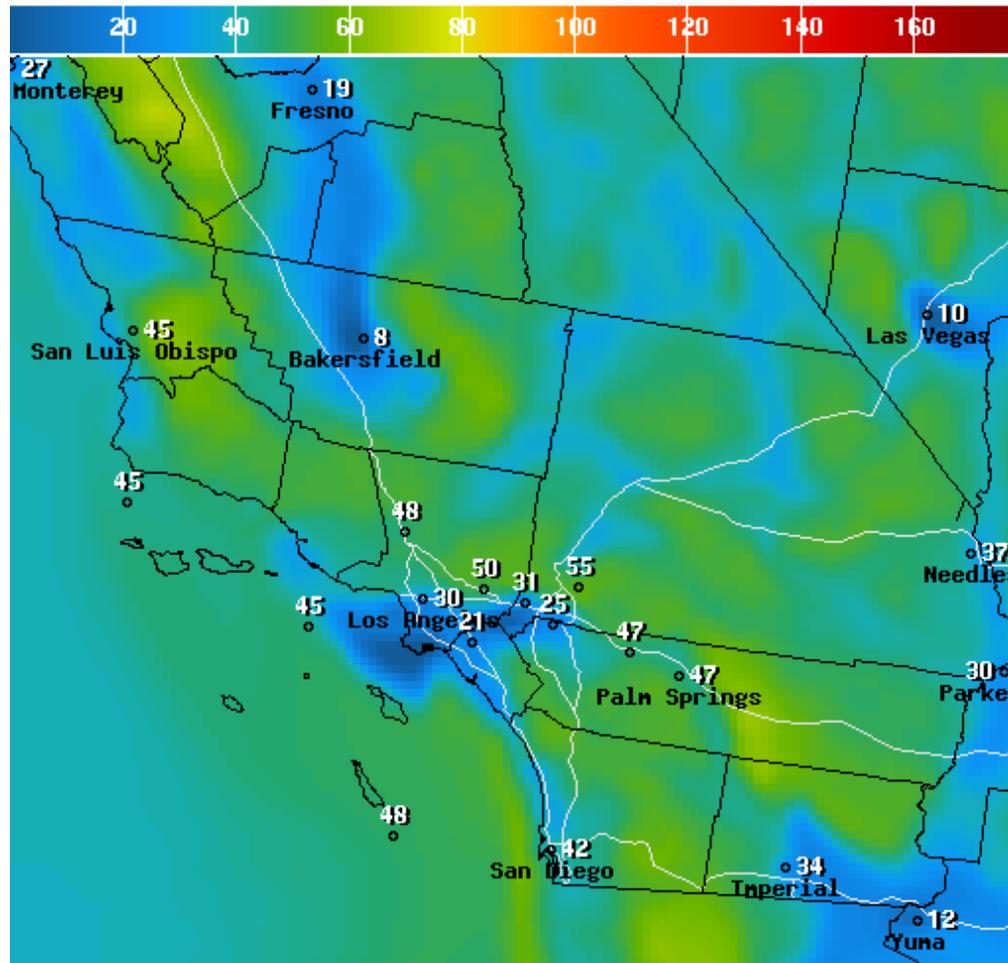
Air Quality Visualization Update:

- Larger domain (Experimental 5X)
 - Experimental running parallel with operational (3X)
- Smoke Data made available (Experimental)
- Canadian Province boundaries included in graphics per suggestion from 2005 AQ Focus Group

Air Quality Visualization Update: Larger Domain Size



Air Quality Visualization Update: New Ozone Data In the Western US



1Hr Avg Ozone Concentration(PPB) Ending Fri Sep 01 2006 10AM EDT

Experimental

(Fri Sep 01 2006 14Z)

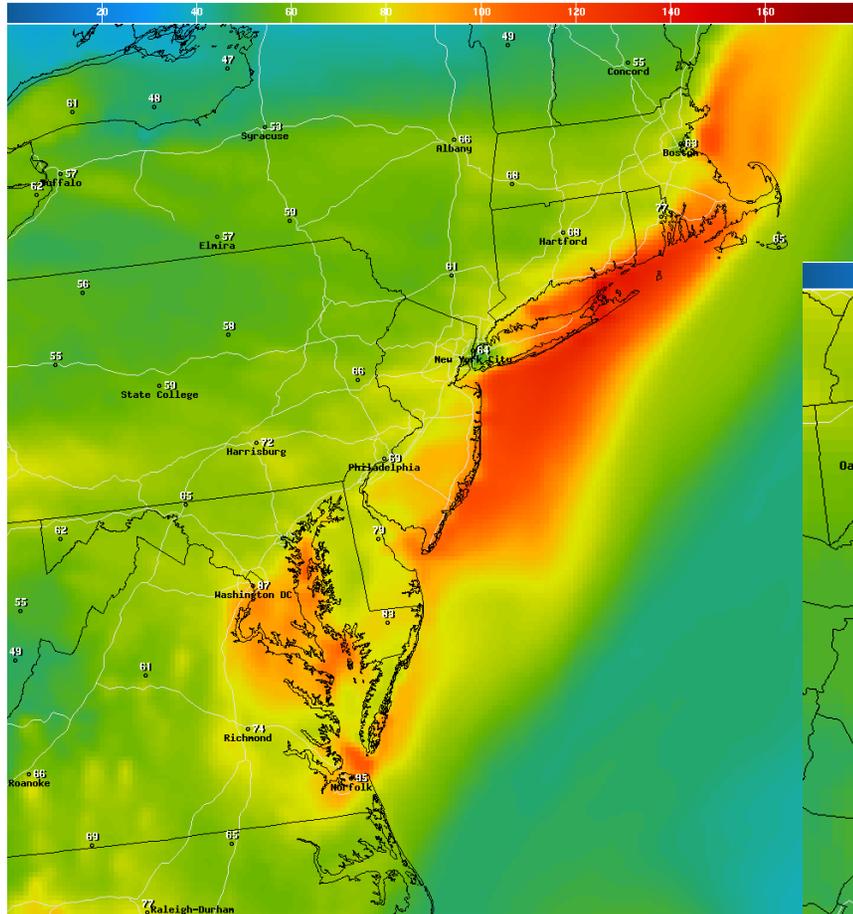


National Digital Guidance Database

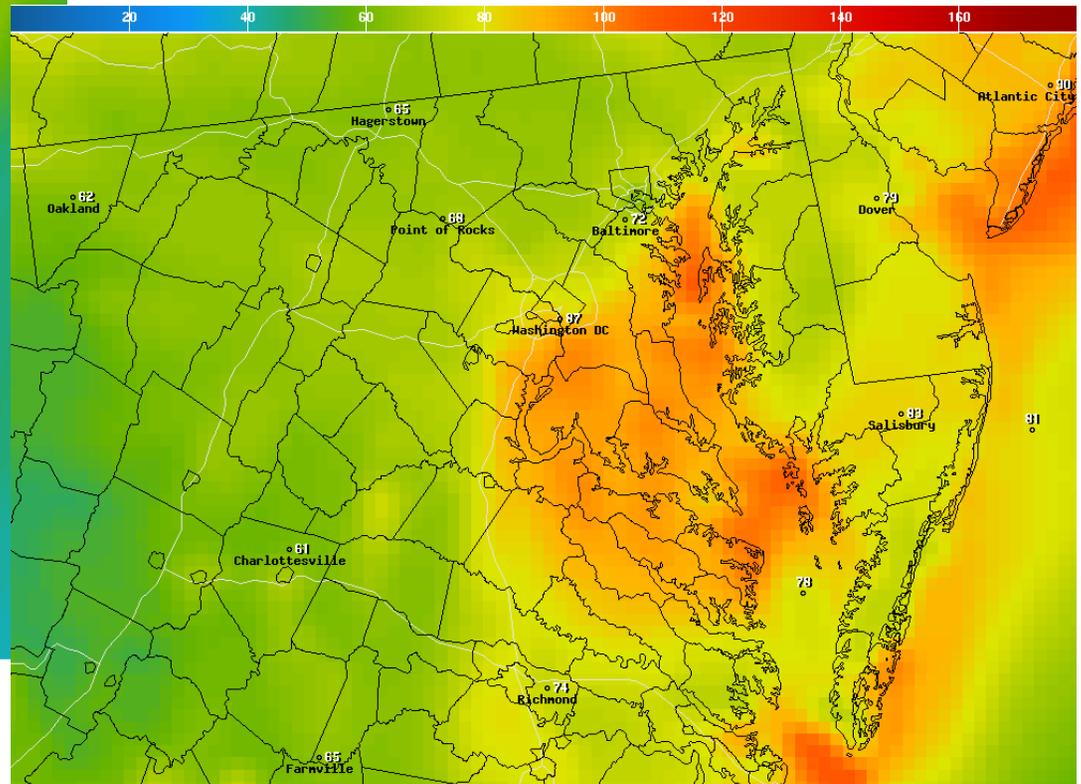
12z model run Graphic created-Aug 31 1:43PM EDT



Air Quality Visualization Update: Heat Wave In the Eastern US- July 2006



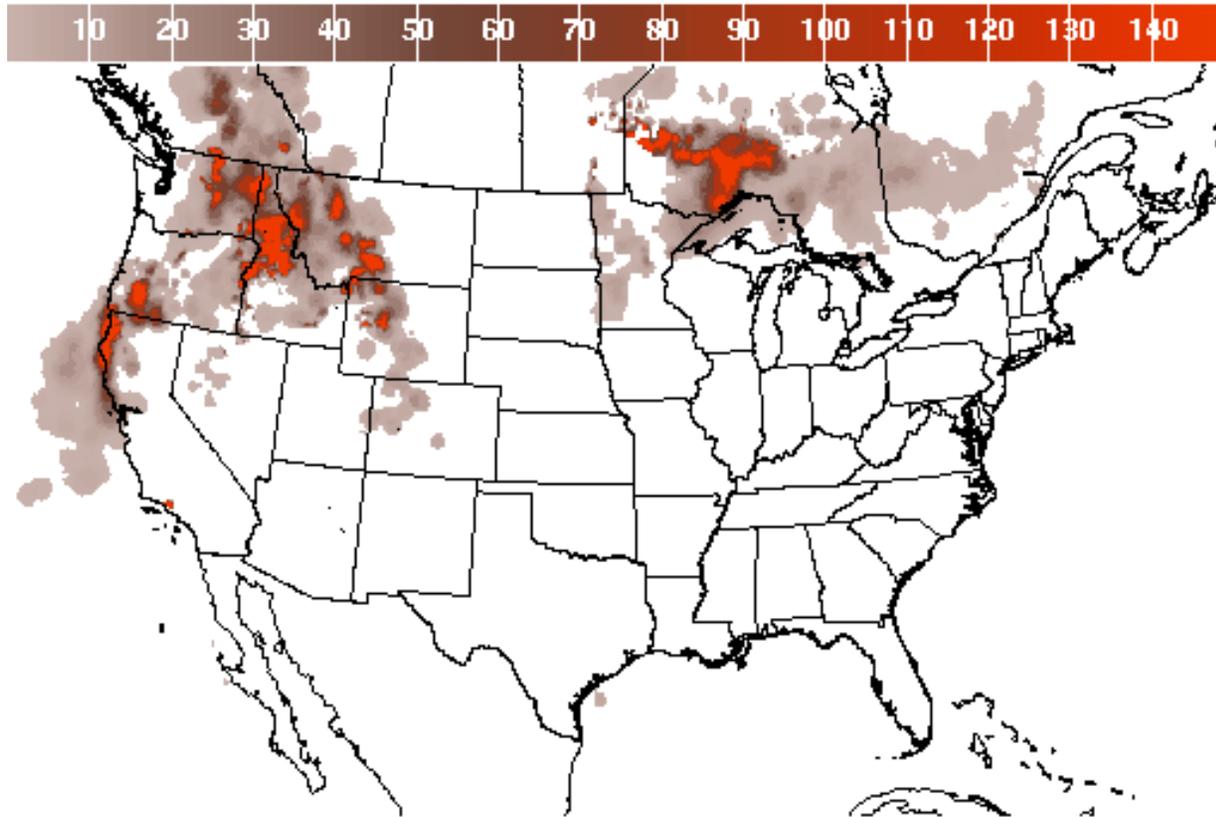
National Digital Guidance Database
12z model run



National Digital Guidance Database
12z model run



Air Quality Visualization Update: Smoke Data Included



- 1 Hour Average Surface Smoke Concentration
- 1 Hour Average Vertical Smoke Integration
- Added for CONUS, sectors and states

1Hr Surface Smoke (micrograms/m³) Tue Sep 05 2006 10AM EDT

Experimental

(Tue Sep 05 2006 14Z)

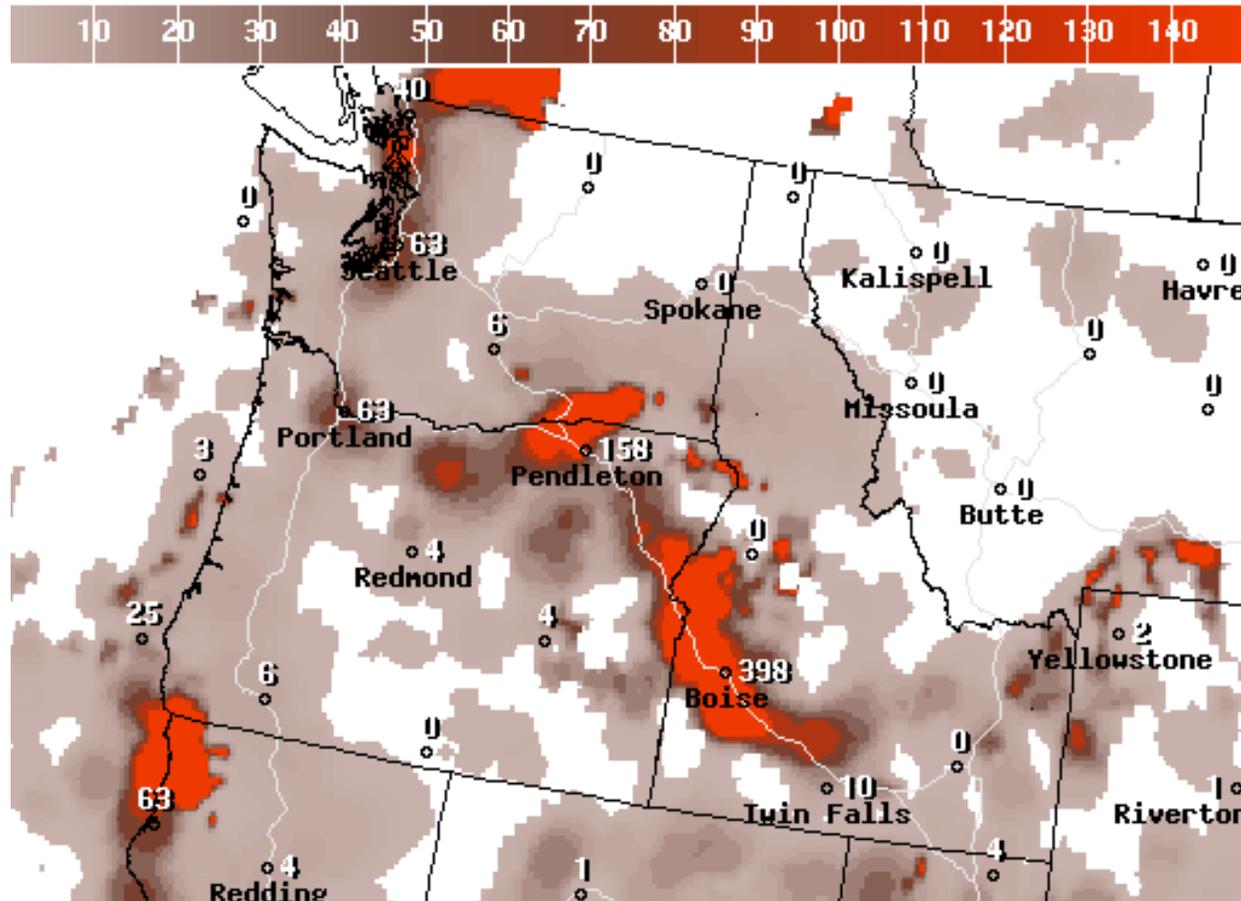
National Digital Guidance Database

6z model run

Graphic created-Sep 05 9:37AM EDT



Air Quality Visualization Update: Smoke Guidance



1Hr Surface Smoke (micrograms/m³) Fri Sep 01 2006 10AM EDT

Experimental

(Fri Sep 01 2006 14Z)



National Digital Guidance Database

6z model run

Graphic created-Sep 01 9:42AM EDT

Air Quality Improved Data Access: Point Data Mode

Three ways to get the forecast:

Click On Image
Click on the interactive forecast image to the right to get the forecast for that point.

Enter a City and State
Enter a city and select the state to obtain National Digital Forecast Data for.

City/Town:
State:

Enter a Latitude, Longitude
(Example: Latitude: 38.9, Longitude: -77.0)
Latitude:
Longitude:

1Hr Avg Ozone Concentration(PPB) Ending Time (Mon Sep 05, 2005 11 AM)
National Digital Guidance
12z model run Graphic created-Sep 05, 2005

Air Quality Forecast Guidance for Silver Spring, MD
Displayed below are NOAA-EPA Air Quality Forecast Guidance values for latitude: 39.00 N, longitude: 77.05 W.
Ozone concentrations are presented in parts per billion (PPB).
Public comments and suggestions are encouraged.
A FAQ page is available.
[More information...](#)

Ending Time (Local Time)	1 Hour Average Ozone Concentration (PPB)	8 Hour Average Ozone Concentration (PPB)	Model Run
Mon, Sep 05, 2005 11 AM	30	14	6 Z
Mon, Sep 05, 2005 12 PM	36	17	6 Z
Mon, Sep 05, 2005 01 PM	42	20	6 Z
Mon, Sep 05, 2005 02 PM	49	26	6 Z
Mon, Sep 05, 2005 03 PM	54	32	6 Z
Mon, Sep 05, 2005 04 PM	59	39	6 Z
Mon, Sep 05, 2005 05 PM	64	45	6 Z
Mon, Sep 05, 2005 06 PM	65	50	6 Z
Mon, Sep 05, 2005 07 PM	60	54	6 Z
Mon, Sep 05, 2005 08 PM	42	54	6 Z
Mon, Sep 05, 2005 09 PM	24	52	6 Z
Mon, Sep 05, 2005 10 PM	20	49	6 Z
Mon, Sep 05, 2005 11 PM	21	44	6 Z
Tue, Sep 06, 2005 12 AM	22	40	6 Z
Tue, Sep 06, 2005 01 AM	23	34	6 Z
Tue, Sep 06, 2005 02 AM	21	29	6 Z
Tue, Sep 06, 2005 03 AM	17	24	6 Z
Tue, Sep 06, 2005 04 AM	14	20	6 Z
Tue, Sep 06, 2005 05 AM	11	19	6 Z
Tue, Sep 06, 2005 06 AM	7	17	6 Z
Tue, Sep 06, 2005 07 AM	2	15	6 Z
Tue, Sep 06, 2005 08 AM	3	12	6 Z
Tue, Sep 06, 2005 09 AM	19	12	6 Z
Tue, Sep 06, 2005 10 AM	27	12	6 Z
Tue, Sep 06, 2005 11 AM	35	15	6 Z
Tue, Sep 06, 2005 12 PM	43	18	6 Z
Tue, Sep 06, 2005 01 PM	53	24	6 Z
Tue, Sep 06, 2005 02 PM	60	30	6 Z
Tue, Sep 06, 2005 03 PM	65	38	6 Z
Tue, Sep 06, 2005 04 PM	69	47	6 Z
Tue, Sep 06, 2005 05 PM	70	53	6 Z
Tue, Sep 06, 2005 06 PM	68	58	6 Z

- Allows users to click on the Air Quality graphic to obtain guidance data at the point clicked
- Linked to from each NWS Forecast Office within AQ domain
- Working to include Smoke and AQ data together in this format



Air Quality Guidance:

Data access from <http://www.nws.noaa.gov/>

- Graphical Guidance Display:

Operational 3X (ozone only)

<http://www.nws.noaa.gov/aq/>

Experimental 5X (ozone and smoke)

<http://www.nws.noaa.gov/aq-expr/>

- GRIB2 Data:

Operational 3X Data

<ftp://tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndgd/AR.conus/>

Experimental 5X Data

<ftp://tgftp.nws.noaa.gov/SL.us008001/ST.expr/DF.gr2/DC.ndgd/AR.conus/>