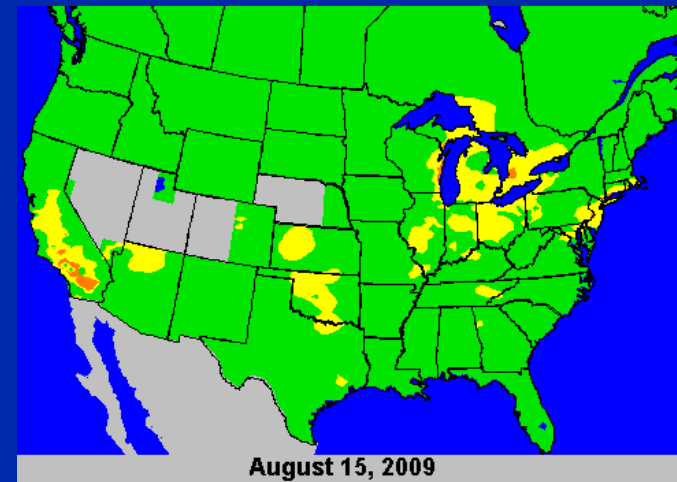


US EPA ARCHIVE DOCUMENT

# An Hour in the Life of an AIRNow Ozone Molecule



August 15, 2009

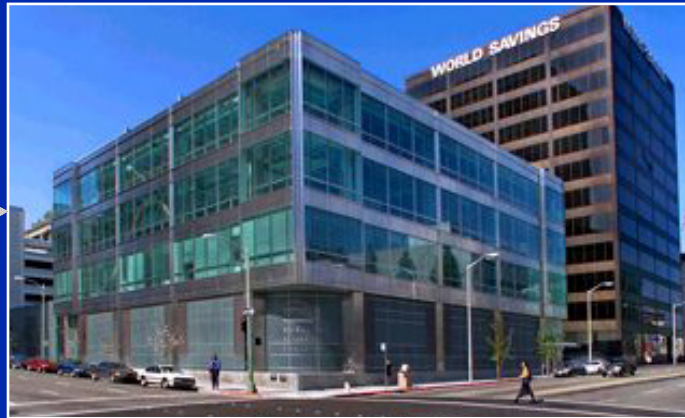
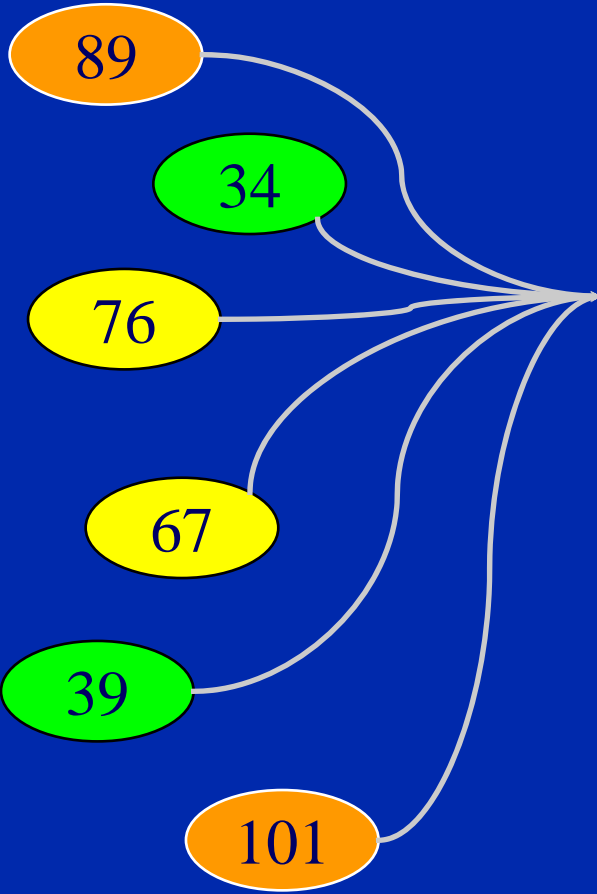
# The journey begins.....



**9:59:59**

**10:00:01**

# First stop: AQ Agency



```
START_REF. 0
NUMSTEPS. 24
AVG_TIME. 60
UNITS. PPB
STATIONS. 1342
      START HOUR
! ID AIBS CODE 0000 0100 0200 0300 0400 0500 0600
-----
BEGIN_DATA
ST.J .000010102. 5, 12, 7, 3, 2, 2, 7, 6, 9, 5, 6
ST.J .000010102. G, G, G, G, G, G, G, G, G, G, G
Come .000010301, 13, 13, 10, 6, 5, 7, 14, 16, 18, 22
Come .000010301, G, G, G, G, G, G, G, G, G, G, G
WELLI .000020301,-999,-999,-999,-999,-999,-999,-999
```

OBS data file

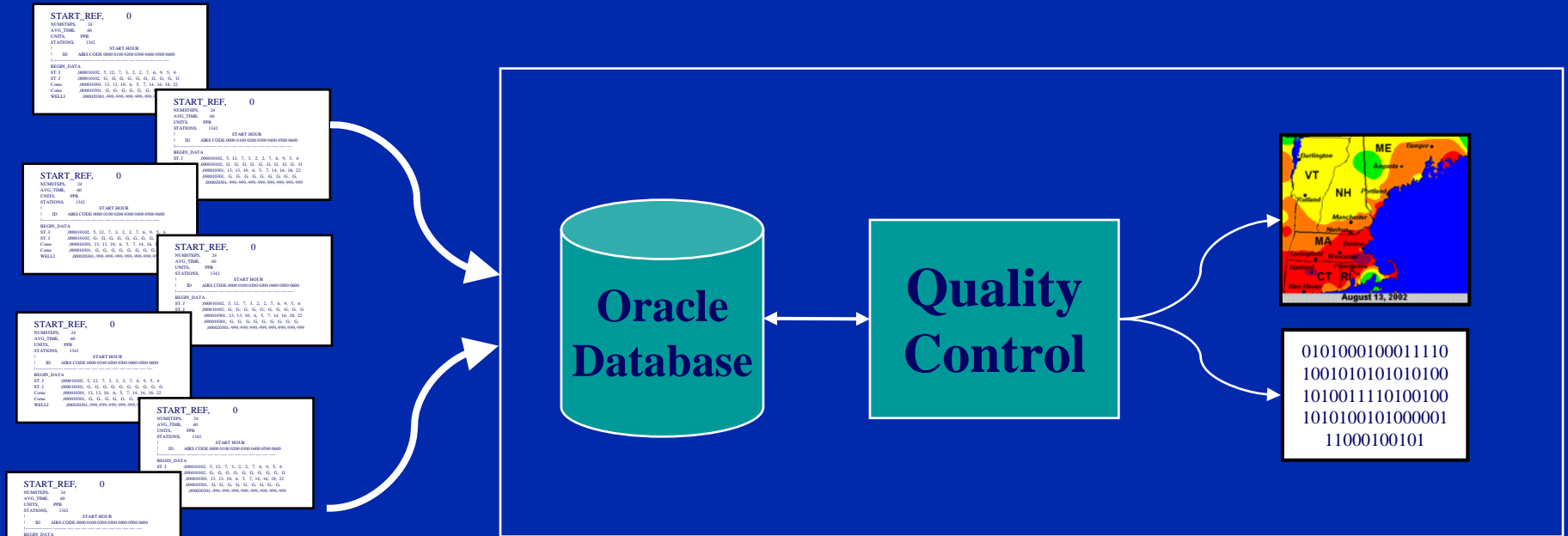
## Stats:

- 2100 monitors
- 160 agencies nationwide
- Collected every hour

10:05:29

10:15:21

# All roads lead to the DMC...



## Stats:

- Redundant computer servers
- Files processed in seconds
- Over 30,000 data values per day
- 50+ maps produced every hour

10:31:45

10:45:21

# The last leg of the journey....



10:45:55

10:55:21

11:00:00



# Media coverage.....



Weather Underground: Regional Map - Microsoft Internet Explorer

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Map Type: **US Air Quality Map** [Click Here](#)

Temperature [Click on map for current conditions and forecasts.](#)  
HeatIndex  
Windchill  
Humidity  
Radar Map  
Dew Point  
Wind  
Visibility  
Visible Satellite Map  
Satellite Map  
Fronts  
Snow  
Jet Stream  
Health Maps  
UV Forecast  
Pollen  
Air Quality Map

7 PM EDT JUL 17

0 50 100 150 200 250 Ozone AQI (Air Quality Index)  
Good Unhealthy

Updated: 11:00 PM UTC on July 17, 2002

Microsoft PowerPoint... C:\Documents and Se... Weather Undergroun... 7:44 AM

**THE WEATHER CHANNEL** **Air Quality Forecast** **GOOD** **VERY UNHEALTHY** **WEDNESDAY** **Expedia.com**

Las Vegas

Bakersfield Mojave Desert  
Burbank San Bernardino  
Oxnard  
Coastal L.A. Riverside Palm Springs  
Santee  
San Diego

SOURCE: EPA