



AIR QUALITY BACKGROUND

<http://www.youtube.com/watch?v=MPsASCQQmCA> Inversions, mixing depths

Supplemental Material

(*) Denotes Advanced Concepts and Information

AIR QUALITY

US Environmental Protection Agency Air Quality

<http://www.epa.gov/air/oaqps/>

US EPA "Plain English" Guide to Air Quality

<http://www.epa.gov/air/caa/peg/>

Criteria Pollutants

<http://www.epa.gov/air/urbanair/>

AirNow Air Quality Forecasts

<http://www.airnow.gov/>

Vermont Air Quality

<http://www.anr.state.vt.us/air/>

SMOG

Australian EPA Explanation of Photochemical SMOG and its effects

http://www.epa.sa.gov.au/xstd_files/Air/Information%20sheet/info_photosmog.pdf

NASA information on SMOG bloggers

<http://www.nasa.gov/topics/earth/features/smogbloggers.html>

*Explanation of Photochemical SMOG

<http://mtsu32.mtsu.edu:11233/Smog-Atm1.htm>

*Salt Lake City SMOG Timelapse Loop

http://www.time-science.com/timescience/projects_meteo.asp

*National Public Radio Marketplace NASA air pollution map interview

<http://marketplace.publicradio.org/display/web/2010/09/24/tech-report-nasa-maps-measure-air-quality/>

*National Public Radio Morning Edition Ozone Reduction interview
<http://www.npr.org/templates/story/story.php?storyId=122626662>

*National Public Radio EPA increases standards for particulate
<http://www.npr.org/templates/story/story.php?storyId=6119298>

OZONE

NASA Ozone Monitoring
<http://ozonewatch.gsfc.nasa.gov/>

EPA Ground Level Ozone
<http://www.epa.gov/glo/>

NOAA Ozone Layer
http://www.research.noaa.gov/climate/t_ozonelayer.html

REMOTE SENSING

Ground Based:
Ambient Air Monitoring Instrumentation
<http://www.dec.ny.gov/chemical/8541.html>

EPA NAMS, SLAMS, PAMS networks
<http://www.epa.gov/airquality/qa/monprog.html>

Spaceborne:
NASA air monitoring for kids
<http://kids.earth.nasa.gov/air.htm>

*Wisconsin Space Science and Engineering Center Satellite Meteorology/Air Quality blog
<http://cimss.ssec.wisc.edu/goes/blog/archives/category/air-quality>

*Satellite Monitoring with NASA Glory:
<http://glory.gsfc.nasa.gov/>

GLORY Advanced Polarimetry Sensor
<http://glory.giss.nasa.gov/aps/>

GLORY Total Irradiance Monitor
<http://glory.giss.nasa.gov/tim/>

QUÉBEC FOREST FIRES

NASA MODIS imagery of the day (true color & false color)

<http://ge.ssec.wisc.edu/modis-today/>

NASA Earth Observatory

<http://earthobservatory.nasa.gov/IOTD/view.php?id=44138&src=iotrds>

CIMSS GOES Gallery of past imagery & events

<http://cimss.ssec.wisc.edu/goes/misc/>

National Weather Service Burlington, Smoke event on 31 May 2010

<http://www.erh.noaa.gov/btv/events/31May2010/>

Canadian wildfires - June/July 2002

<http://cimss.ssec.wisc.edu/goes/misc/020628/020628.html>

U.S. Air Quality - The Smog Blog

<http://alg.umbc.edu/usaq/>

PM2.5

http://www.health.state.ny.us/environmental/indoors/air/pmq_a.htm

VOLCANIC ERUPTIONS

<http://terra.nasa.gov/FactSheets/Aerosols/>

NASA fact sheet about aerosols

VOG

USGS Volcanic Hazards Factsheets

<http://volcanoes.usgs.gov/hazards/index.php>

USGS Volcanic Gas Factsheet

http://vulcan.wr.usgs.gov/Projects/Emissions/vgas_fsheets.pdf

NASA Earth Observatory Hawaiian VOG

<http://earthobservatory.nasa.gov/IOTD/view.php?id=38709>

NASA Earth Observatory Volcano and Earthquake Page

http://earthobservatory.nasa.gov/NaturalHazards/category.php?cat_id=12