

# NOAA-EPA UV Brewer Network Overview and Possible Network Expansion to ACRF Sites

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## UV and Ozone Networks in North America



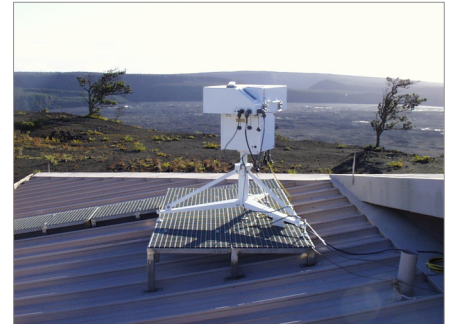
## NEUBrew Network and its Objectives

The NEUBrew Network has been in operation since August of 2006. The instruments were calibrated to measure ozone and deployed to the field between August 2006 and November 2006. Data from this network are available at <http://esrl.noaa.gov/gmd/grad/neubrew/>

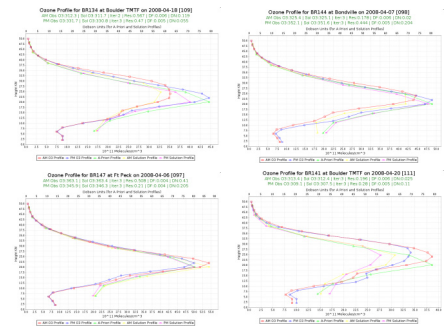
### Products as of March 2009

- O<sub>3</sub> daily average column (level 2)
- O<sub>3</sub> daily trend (level 2)
- O<sub>3</sub> vertical profile (level 1)
- UV global horizontal flux (level 2)
- UV erythemal dose (level 2)
- UV index (level 2)
- Aerosol optical depth (raw)
- SO<sub>2</sub> column (level 1)
- NO<sub>2</sub> column (raw)

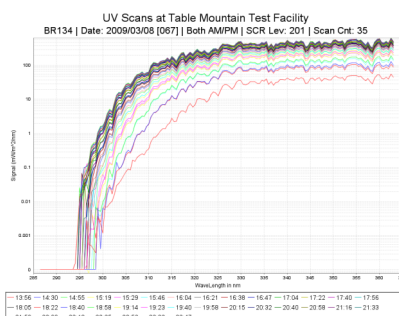
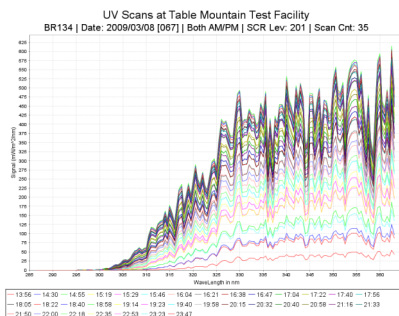
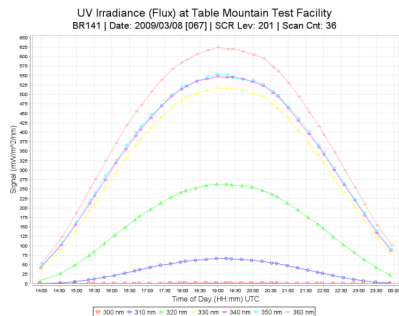
## Brewer MKIV at Kiluaea, HI



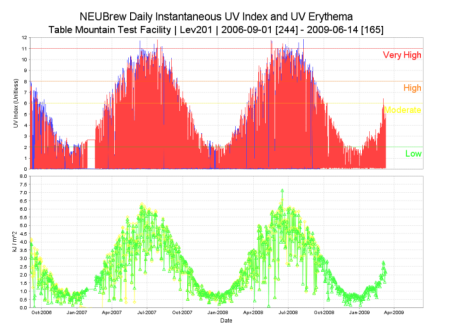
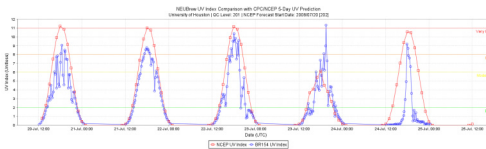
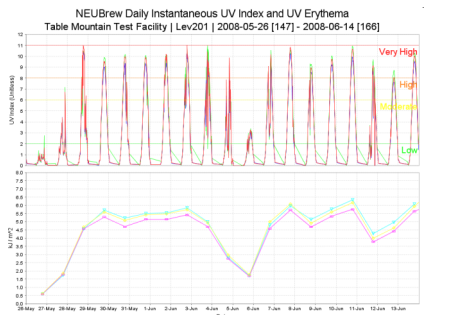
## Ozone Vertical Profiles from Umkehr



## UV Irradiance Scans



## UV Index and Daily Erythemal Dose



## Ozone Column Trends

