

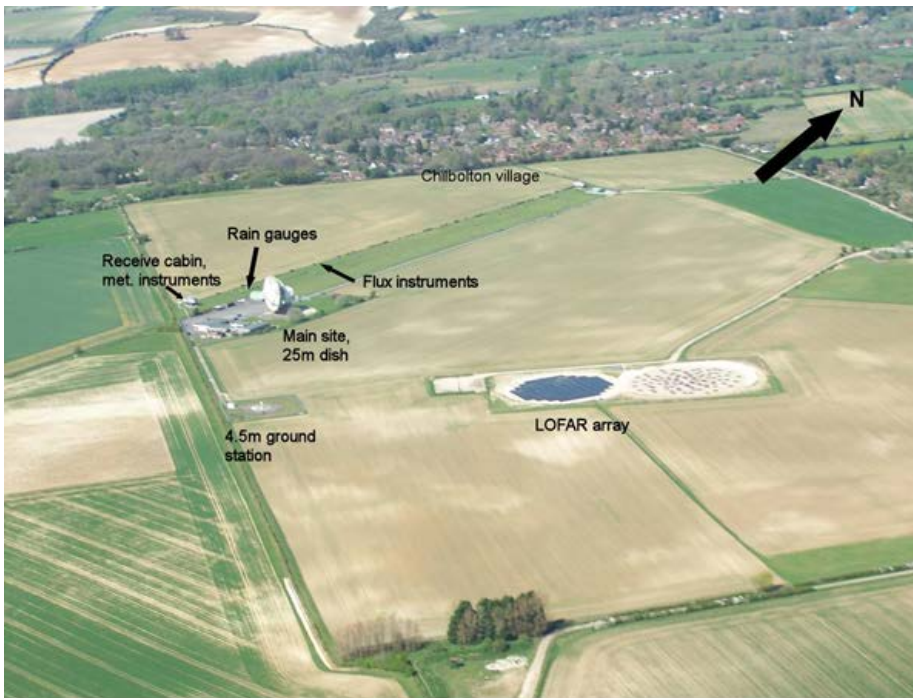


Ozone measurements at Chilbolton Observatory

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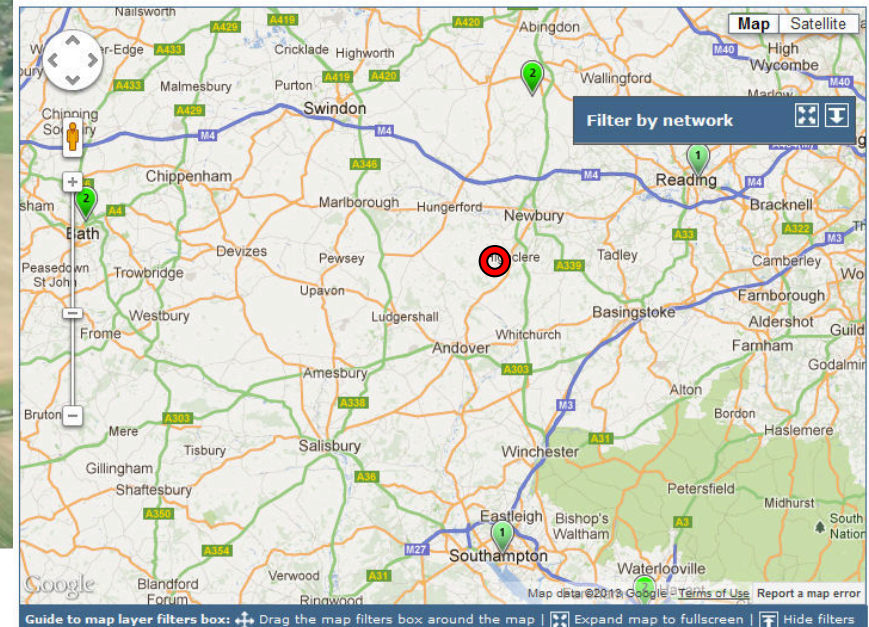
Chilbolton Observatory

- Chilbolton Observatory is a large rural field site in Hampshire. Funding for atmospheric science measurements is received from NERC.
- Plenty of space for permanent or visiting instruments



Interactive monitoring networks map

Use the interactive map below to explore different UK monitoring networks. The map shows the current sites within the network selected. Information about the selected network is shown below the map.



Chilbolton Observatory instruments

- We have a wide variety of instruments making in-situ and remote-sensing measurements:
- **Radars**
 - Precipitation, clouds, winds
- **Lidars**
 - Clouds, aerosols, water vapour
- **Microwave radiometers**
 - Integrated water vapour and liquid water, low resolution water vapour profile
- **Meteorological instruments and rain gauges**
 - Temperature, RH, pressure, wind, rain accumulation, rain rate, drop size distribution
- **Sun photometer**
 - Aerosol optical depth of atmosphere at UV to IR wavelengths, particle size distribution if skies are clear
- **Aerosols**
 - Aerosol optical particle counter giving size spectra 0.26 – 34.0 μm

Chilbolton Observatory instruments

- **Ozone**

- No permanent instrument, but some visiting instruments for campaigns:
 - TEI49i ozone analyser for ClearfLo 2011-2012
 - FGAM ozone lidar for ClearfLo at RAL 2012 and for CSIP at Chilbolton 2005
- Clean rural site upwind of London with excellent, flexible facilities for future measurements