SHADOZ Notes
Southern Hemisphere Additional Ozonesonades

A NASA public archive of tropical ozonesonde profile data for remote sensing research, model studies and education

Data are public <http://croc.gsfc.nasa.gov/shadoz>

SHADOZ is a NASA project to augment and archive balloon-borne ozonesonde launches and to archive data from tropical and sub-tropical operational sites. The project was initiated in 1998 by NASA/Goddard Space Flight Center with other US and international co-investigators. There are currently eleven stations launching ozonesondes in the SHADOZ network. The collective data set provides the first climatology of tropical ozone in the equatorial region, enhances validation studies aimed at improving satellite remote sensing techniques for tropical ozone estimations, and serves as an educational tool to students, especially in participating countries.

Future Meetings that will feature Ozonesonades

- SPARC/IOC/GAW/NDACC supported ozonesonde workshop, April 12-13, 2012, Greenbelt, MD, USA. This is a group effort to check and improve the quality, homogeneity, and consistency of the global ozonesonde records.
- Quadrennial Ozone Symposium, August 27-31, 2012, Toronto, Ontario, Canada
  - http://www.cmos.ca/QOS2012/
  - Scientific themes include, (i) Observations and analyses of total and vertical ozone distributions, (ii) Observation techniques and intercomparisons, and (iii) Tropospheric ozone; past and future budgets and trends and long-range transport.

Past Meetings that featured Ozonesonades

- WCRP (World Climate Research Program) Open Science Conference, Denver, CO USA
  - The C15 session and several others featured SHADOZ.
- NDACC Symposium XX at St Paul, La Réunion Island.
  - This is a SHADOZ site, at St-Denis!
The SHADOZ website gets a facelift!

New Data Format

A new SHADOZ file format is available since 2012. Version 05 will include more header information and additional data. Version 04 format will remain available on the archive for the 1998 to 2010 or 2011 time period. 1998-2011 has been reprocessed to the new version 05 for almost all stations.
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The SHADOZ homepage provides technical information for each station and contact information. The station managers are responsible for the original data processing and should be consulted for details of their methods and appropriate references to their work.

SHADOZ Principal Publications