

QOS2016-157, 2016

Quadrennial Ozone Symposium of the International Ozone Commission

© Author(s) 2016. CC Attribution 3.0 License.

SHADOZ (Southern Hemisphere Additional Ozonesondes) Network Report: Activities Update for 2016

A. Thompson (1) and J. Witte & SHADOZ Team (2)

(1) NASA Goddard Space Flight Center, (2) NASA Goddard Space Flight Center, also SSAI

SHADOZ (Southern Hemisphere Additional Ozonesondes) has collected more than 6000 profile sets from ozonesondes and radiosondes in the tropics and subtropics since 1998. Measurements originate at 14 long-term stations; map of the stations and data are archived at <<http://croc.gsfc.nasa.gov/shadoz>>. Through affiliation with NDACC (Network for Detection of Atmospheric Composition Change; www.ndsc.ncep.noaa.gov) and posting of the profiles through Goddard's AVDC (Aura Validation Data Center) and WMO's WOUDC (World Ozone and UV Data Centre), SHADOZ data are distributed to users from the satellite and monitoring communities. The major activities of SHADOZ since the last QOS include re-activated operations at 5 SHADOZ stations: Ascension, Fiji, Irene, San Cristobal, Natal. Examples of newer data from those sites will be shown. Statistics of available data, usage and impact are provided. In addition, SHADOZ has followed the guidelines of WMO and SI2N (SPARC/Intl Ozone Commission/IGACO and NDACC) in the first major reprocessing of ozonesonde data to account for changes over time in radiosonde and ozonesonde instrumentation and technique and biases among stations (QOS paper by J. Witte et al, 2016).