

NDSC Publications - 1990

1990, Deshler, T.

D.J. Hofmann, and J.V. Hereford

Ozone profile measurements within, at the edge of, and outside the Antarctic polar vortex in the spring of 1988

J. Geophys. Res., 95, 10023-10035

Sonde; Ozone

1990, Deshler, T.

D. J. Hofmann, J. V. Hereford, and C. B. Sutter

Ozone and temperature profiles over McMurdo Station, Antarctica, in the spring of 1989

Geophys. Res. Lett., 17, 151-154

Sonde; Ozone; Temperature

1990, Farmer, C. B.

B. Carli, A. Bonetti, M. Carlotti, B. M. Dinelli, H. Fast, W. F. J. Evans, N. Louisnard, C. Alamichel, W.

Mankin, M. Coffey, I. G. Nolt, D. G. Murcay, A. Goldman, G. M. Stokes, D. W. Johnson, W. A. Traub, K. V.

Chance, R. Zander, G. Roland, and L. Delbouille

Balloon intercomparison campaigns: results of remote sensing measurements of HCl

J. Atmos. Chem., 10, 237-272

FTIR; HCl

1990, Haner, D. A.

I. S. McDermid

Stimulated Raman Shifting of Nd:YAG Fourth Harmonic (266 nm) in H₂, HD and D₂

IEEE J. Quantum Electronics, QE-26, 1292-1298

Lidar

1990, Keckhut P.

M.L. Chanin and A. Hauchecorne

Stratosphere temperature measurement using raman lidar

Appl. Opt., 29, 5182-5186

Lidar; Temperature

1990, Keckhut P.

A. Hauchecorne and M.L. Chanin and A. Hauchecorne

A critical review on the data base acquired for the long term surveillance of the middle atmosphere by french rayleigh lidars

Appl. Opt., 29, 5182 – 5186

Lidar

1990, Mankin, W. G.

M. T. Coffey, K. V. Chance, W. A. Traub, B. Carli, F. Mencaraglia, S. Piccioli, I. G. Nolt, J. V. Radostitz, R. Zander, G. Roland, D. W. Johnson, G. M. Stokes, C. B. Farmer, and R. K. Seals

Intercomparison of measurements of stratospheric hydrogen fluoride

J. Atmos. Chem., 10, 219-236

FTIR; HF

1990, McDermid, I. S.

S. M. Godin, R. A. Barnes, C. L. Parsons, A. Torres, M. P. McCormick, W. P. Chu, P. Wang, J. Butler, P. Newman, J. Burris, R. Ferrare, D. Whiteman and T. J. McGee

Comparison of Ozone Profiles From Ground-Based Lidar, ECC Balloon Sonde, ROCOZ-A Rocket Sonde, and SAGE II Satellite Measurements

J. Geophys. Res., 95, 10037-10042

Lidar; Satellite; Sonde; Ozone; Validation

1990, McDermid, I. S.

S. M. Godin and L. O. Lindquist

Ground-Based Laser DIAL System for Long-Term Measurements of Stratospheric Ozone

Appl. Opt., 29, 3603-3612

Lidar; Ozone

1990, McDermid, I. S.

S. M. Godin, L. O. Lindquist, T. D. Walsh, J. Burris, J. Butler, R. Ferrare, D. Whiteman and T. J. McGee

Measurement Inter-Comparison of the JPL and GSFC Stratospheric Ozone Lidar Systems

App. Opt., 29, 4671-4676

Lidar; Ozone; Validation

1990, McDermid, I. S.

S. M. Godin and T. D. Walsh

Lidar Measurements of Stratospheric Ozone and Inter-Comparisons and Validation (Invited Paper)

Appl. Opt., 29, 4914-4923

Lidar; Ozone; Validation

1990, McDermid, I. S.

S. M. Godin, Pi-Huan Wang and M. P. McCormick

Comparison of Stratospheric Ozone Profiles and Their Seasonal Variations as Measured by LIDAR and SAGE II During 1988

J. Geophys. Res., 95, 5605-5612

Satellite; Lidar; Ozone; Validation

1990, McGee, T. J

P. Newman, R. Ferrare, D. Whiteman, J. Butler, J. Burris, S. M. Godin and I. S. McDermid
Lidar Observations of Ozone Changes Induced by Sub-Polar Airmass Motion Over Table Mountain
(34.4M-0 N)
J. Geophys. Res., 95, 20527-20530
Lidar; Ozone

1990, McKenzie, R. L.
J. M. Elwood
Intensity of solar ultraviolet radiation and its implications for skin cancer
NZ Medical Journal, 103, 152-154
Spectral UV; Erythematous UV

1990, Neuber, R.
B.C. Kroeger
The stratospheric ozone layer above Spitsbergen in Winter 1989
Geophys. Res. Lett., 17, 321-324
Lidar; Ozone

1990, Rodgers C.D.
Characterization and Error Analysis of Profiles Retrieved from Remote Sounding Measurements
J. Geophys. Res., 95, 5587-5595
Microwave; Validation

1990, Rosen, J.M.
N.T.Kjome, S.J. Oltmans
Observations of backscatter, particle concentration and frost point in north polar vortex stratospheric clouds
Geophys. Res. Lett. 17, 1271-1274
Sonde; Aerosol; H₂O; PSC

1990, Zander, R.
M. R. Gunson, J. C. Foster, C. P. Rinsland, and J. Namkung
Stratospheric ClONO₂, HCl, and HF concentration profiles derived from ATMOS Spacelab 3 observations:
an update
J. Geophys. Res., 95, 20,519-20,525
FTIR; Satellite; ClONO₂; HCl; HF