

NDSC Publications - 2002

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Adv. Space Res., 29, 1713-1718

FTIR; CH₂O; C₂H₂

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M. Van Roozendaal, P. V. Johnston, A. Richter, T. Wagner, D. W. Arlander, J. P. Burrows, D. J. Fish, R. Jones, K. K. Tørnkvist, J.-C. Lambert, K. Pfeilsticker, and I. Pundt

Analysis for BrO in zenith-sky spectra: An intercomparison exercise for analysis improvement

J. Geophys. Res., 107, D14

doi: 10.1029/2001JD000329

UVVis; BrO; Validation

2002, Antuña, J. C.

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Lidar validation of SAGE II aerosol measurements after the 1991 Mount Pinatubo eruption

J. Geophys. Res., 107(D14), 4194

Lidar; Satellite; Aerosol; Volcano

2002, Barret, B.

M. De Mazière and P. Demoulin, Retrieval and characterisation of ozone profiles from solar infrared spectra at the Jungfraujoch

J. Geophys. Res., 107, NO D24, 4788

DOI: 10.1029/2001JD001298

FTIR; Ozone

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Struthers, H.; Connor, B.J.

Dynamical containment of Antarctic ozone depletion.

Geophys. Res. Lett., 29

Dobson; Ozone

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Validation of Temperature Measurements from the Airborne Raman Ozone Temperature and Aerosol Lidar During SOLVE

J. Geophysical Research, 107, 8286-8296
Lidar; Aerorol; Temperature; Validation

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J. Geophys. Res., 107, (D14)

doi: 10.1029/2001JD000737

Lidar; Ozone

2002; de La Casinière, A.

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Daily doses of biologically active UV radiation retrieved from commonly available parameters

Photochemistry and Photobiology, 76 (2), 171-175

Spectral UV; Erythemal UV

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J. Geophys. Res., 107 (D12)

doi: 10.1029/2001JD001074

Lidar; Aerosol; PSC

2002, Fueglistaler, S.

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Large NAT particle formation by mother clouds: Analysis of SOLVE/THESEO-2000 observations

Geophysical Research Letters, 29

doi: 10.1029/2001GL014548

Lidar; Aerosol; Cloud

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Synoptic-scale study of the arctic polar vortex's influence on the middle atmosphere

J. Geophys. Res., 107 (D16) pp ACL1,1-15

doi 10.1029/2001JD000681

Lidar

2002, Gerrard, A. J.

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Mesospheric clouds and the duality of gravity waves

Eos Transactions of the American Geophysical Union, 83(43), 488
Lidar; Cloud

2002, Godin S.

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J. Geophys. Res., 107(D20), 8272

doi: 10.129/2001JD000516

Lidar; Ozone

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Long-term DIAL monitoring of the stratospheric ozone vertical distribution

SPIE proc., Hangzhou, China, 2002

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J. Quant. Spectrosc. & Radiat. Transfer, 74, 133-138

FTIR; Ozone

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UVVis; NO₂

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Comparison of empirically derived ozone loss rates in the Arctic vortex

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doi:10.1029/2001JD000482

Sonde; UVVis; Ozone

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O. Schrems

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Geophys. Res. Lett., 29(16)

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Lidar; Cloud

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Validation of NO₂ and HNO₃ measurements from the Improved Limb Atmospheric Spectrometer (ILAS) with the version 5.20 retrieval algorithm

J. Geophys. Res., 107(D24), 8206

doi: 10.1029/2001JD001304

Satellite; NO₂; HNO₃; Validation

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Appl. Opt., 41 (33), 6968-6979

FTIR

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Lidar; Sonde; Aerosol

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J. Geophys. Res., 107(D19), 4393

doi: 10.1029/2001JD000557

Sonde; Ozone

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Climatology of the Temperature Variability at the Middle Atmosphere (30-80 km) of the Northern Hemisphere Mid-Latitude (20-60°N), Recent Research and Developments

Geophysics, 4, 359-368

Lidar; Temperature; Climatology

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Ozone depletion and chlorine activation in the Arctic winter 1999/2000 observed in Ny-Alesund

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Theory; Ozone; Cl

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Lindner K, Bagdohn S, et al.

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Microwave; Ozone; ClO

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J. Geophys. Res., 107/D20, 8274,

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Sonde; Ozone

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The 1997 North American interagency intercomparison of ultraviolet spectroradiometers including narrowband filter radiometers

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Spectral UV; UV Irradiance; Validation

2002; Liu HY

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Sonde; Ozone

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Retrieval of ozone column from global irradiance measurements and comparison with TOMS data. A year of data in the Alps
Geophys. Res. L., 29 (10)
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Satellite; Ozone

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Appl. Optics, 41, 7550-7555
Lidar; Ozone

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Relationship between photolysis frequencies derived from spectroscopic measurements of actinic fluxes and irradiances during the IPMMI campaign
J. Geophys. Res., 107
doi: 10.1029/2001JD000601
Spectral UV; UV Irradiance

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Ground-based FTIR observations of chlorine activation and ozone depletion inside the Arctic vortex during the winter of 1999/2000
J. Geophys. Res., 107 (D20), 8263
FTIR; Cl; Ozone

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ATMOS Version 3 water vapor measurements: comparisons with observations from two ER-2 Lyman- α hygrometers, MkIV, HALOE, SAGE II, MAS and MLS
J. Geophys. Res., 107, NO. D3, ACH 2-1, 19
FTIR; Satellite; H₂O; Validation

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Adv. Space Res., 29(11), 1655-1660
UVVis; BrO

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Intercomparison of stratospheric HNO₃ measurements over Antarctica: Ground-Based Millimeter-wave versus UARS /MLS Version 5 retrievals

J. Geophys. Res, 107(D24), 4809

Microwave; Satellite; HNO₃; Validation

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An overview of the SOLVE-THESEO 2000 campaign

J. Geophys. Res., 107

doi:10.1029/2001JD001303

UVVis; Validation

2002, Pundt, I.

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J. Geophys. Res., 107

doi: 10.1029/2002JD002230

UVVis; BrO; Climatology

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Atmos. Chem. Phys. 2, 103-120

Sonde; Satellite; Ozone

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J. Geophys. Res., 107/D20, 8299

doi: 10.1029/2001JD000471

Sonde; Ozone

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An Assessment of the Quality of HALOE Temperature Profiles in the Mesosphere with Rayleigh Backscatter Lidar and Inflatable Falling Sphere Measurements

J. Geophys. Res., 107(D19)

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Lidar; Satellite; Temperature; Validation

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J. Geophys. Res., 107/D20, 8276

doi: 10.1029/2001JD000533

Sonde; Ozone

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Multiyear infrared solar spectroscopic measurements of HCN, CO, C₂H₆ and C₂H₂ tropospheric columns above Lauder, New Zealand (45°S latitude)

J. Geophys. Res., 107 (D14), 4185

doi:10.1029/2001JD001150

FTIR; HCN; CO; C₂H₆;C₂H₂

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FTIR; COS

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FTIR; HF; HCl; Trends

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doi: 10.1029/2001jD000421

Lidar; Ozone; Temperature

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J. Geophys. Res., 107(D4)

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Lidar

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J. Geophys. Res., 107/D20, 8261

doi:10.1029/2001JD000412

Sonde; Ozone

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J. Atmos. Sol. Terr. Phys., 64, 1183-1199

Lidar; Temperature

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A. South, K. Karlsen Tørnkvist, M. Van Roozendaal, T. Wagner and F. Wittrock

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J. Geophys. Res., 107 (D19), 4398

doi: 10.1029/2001JD000940

UVVis; BrO; Validation

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Spectral UV; UV Irradiance

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Microwave; ClO

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Doi: 10.1029/2002JD002490

Lidar

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J. Geophys. Res., 107(D24), 8212

doi:10.1029/2001JD000602

Satellite; Ozone; Validation

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doi: 10.1029/2001JD001167

Lidar; Sonde; Ozone

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Journal of Geophysical Research, 107

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Lidar; Sonde; Satellite; Ozone

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Intercomparison of BrO Measurements From ERS-2 GOME, Ground-based and Balloon Platforms
Advances in Space Research, Vol. 29, pp. 1661-1666

UVVis; Satellite; BrO; Validation

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J. Geophys. Res., 107, 8208

DOI: 10.1029/2001JD000581

Dobson; UVVis; Satellite; Ozone; Validation