

NDSC Publications - 1996

1996, Baily, P.L.

D.P. Edwards, J.C. Gille, L.V. Lyjak, S.T. Massie, A.E. Roche, J.B. Kumer, J.L. Mergenthaler, B.J. Connor, M.R. Gunson, J.J. Margitan, I.S. McDermid, and T.J. McGee, Comparison of cryogenic limb array etalon spectrometer (CLAES) ozone observations with correlative measurements

J. Geophys. Res., 101, 9737-9756

Lidar; Microwave; Satellite; Ozone; Validation

1996, Bencherif

H., J. Leveau, J. Porteneuve, P. Keckhut, A. Hauchecorne, G. Megie, F. Fassina and M. Bessafi

Lidar developments and observations over Reunion Island (20.8 S, 55.5 E)

Advances in Atmospheric Remote Sensing with lidar, Springer-verlag, Eds. : A. Ansmann, R. Neuber, P.

Rairoux, and U. Wandinger

Lidar

1996, Beyerle, G.

I. S. McDermid, R. Neuber and P. von der Gathen

Comparative Study of Stratospheric Aerosols and Ozone at Mid and High Latitudes During the Pinatubo Episode, 1991-1994

Advances in Atmospheric Remote Sensing with Lidar, Springer New York-Berlin-Heidelberg, 489-492

Lidar; Aerosol; Ozone; Volcano

1996, Bodhaine, B. A.

R. L. McKenzie, P. V. Johnston, D. J. Hofmann, E. G. Dutton, R. C. Schnell, J. E. Barnes, S. C. Ryan, and M. Kotkamp

New ultraviolet spectrometer measurements at Mauna Loa observatory

Geophys. Res. Lett., 23, 2121-2124

Spectral UV; UV Irradiance

1996, Bruhl, C.

S.R. Drayson, J.M. Russell, P.J. Crutzen, J.M. McInerney, P.N. Purcell, H. Claude, H. Gernandt, T.J. McGee, and I.S. McDermid

Halogen Occultation Experiment ozone channel validation

J. Geophys. Res., 101, 10,217-10,240

Lidar; Satellite; Ozone; Validation

1996, Camy-Peyret, C.

B. Bergqvist, B. Galle, M. Carleer, C. Clerbaux, R. Colin, C. Fayt, F. Goutail, M. Nunes Pinharanda, J.P.

Pommereau, M. Hausmann, U. Platt, I. Pundt, T. Rudolph, C. Hermans, P.C. Simon, A.C. Vandaele, J.M.C.

Plane and N. Smith

Intercomparison of instruments for tropospheric measurements using differential optical absorption spectroscopy

J. Atmos. Chem., 23, 51-80

UVVis; Validation

1996, Carswell, A. I.

D. P. Donovan, J. C. Bird, T. J. Duck, S. R. Pal, and J. A. Whiteway

Measurements at the Eureka Arctic NDSC station with a Raman DIAL system

Advances in Atmospheric Remote Sensing with Lidar, Springer Verlag, Berlin, A. Ansmann, R. Neuber Eds.

Lidar; Ozone

1996, D. Cheng

R. L. de Zafra, and C. Trimble

Millimeter Wave Spectroscopic Measurements Over the South Pole, 2: An 11-Month Cycle of Stratospheric Ozone Observations during 1993-94

J. Geophys. Res., 101, 6781-6794

Microwave; Ozone

1996, Claude, H.

Steinbrecht, W.

Long term ozone DIAL measurements at Hohenpeißenberg, intercomparisons with Brewer/Mast ozone sondes, HALOE, SBUV, and SAGE II, Advances in Atmospheric Remote Sensing with Lidar,

Springer New York-Berlin-Heidelberg, 537-540

Satellite; Sonde; Ozone; Validation

1996, Deshler, T.

B. J. Johnson, D. J. Hofmann, and B. Nardi

Correlations between ozone loss and volcanic aerosol at altitudes below 14 km over McMurdo Station, Antarctica

Geophys. Res. Lett., 21, 2931-2934

Sonde; Aerosol; Ozone

1996, Di Donfrancesco G.

A. Adriani, G.P. Gobbi, F. Congeduti

Lidar observations of stratospheric temperatures above McMurdo Station (78S, 167E), Antarctica

J. Atmos. Terr. Phys., 58, 1391-1399

Lidar; Temperature

1996, Donovan, D.P.

J.C. Bird, J.A. Whiteway, T.J. Duck, S.R. Pal, A.I. Carswell, J.W. Sandilands, J.W. Kaminski

Ozone and Aerosol observed by Lidar in the Canadian Arctic During the Winter of 1995/96

Geophys. Res. Lett., 23, 3317-3320

Lidar; Aerosol; Ozone

1996, Donovan, D. P.

H. Fast, Y. Makino, J. C. Bird, A. I. Carswell, J. Davies, T. J. Duck, J. W. Kaminski, C. T. McElroy, R. L. Mittermeier, S. Donovan, D. P., J. C. Bird, J. A. Whiteway, T. J. Duck, S. R. Pal, A. I. Carswell, J. W. Sandilands, and J. W. Kaminski

Ozone and aerosol observed by Lidar in the Canadian Arctic during the winter of 1995/96

Geophys Res. Lett., 23, 3317-3320

Lidar; Aerosol; Ozone

1996, Esler, M.B.

D.W.T. Griffith, S.R. Wilson, and L.P. Steele

Carbon monoxide, nitrous oxide, methane and carbon dioxide - trace gas analysis by FTIR spectroscopy in Baseline Atmospheric Program Australia 1994-1995, edited by R.J. Francey, A.L. Dick, and N. Derek, Bureau of Meteorology, CSIRO Division of Atmospheric Research

FTIR; CO; N₂O; CH₄; CO₂

1996, Fishbein, E.F.

R.E. Cofield, L. Froidevaux, R.F. Jarnot, T. Lungu, W.G. Read, Z. Shippony, J.W. Waters, I.S. McDermid, T.J. McGee, U.N. Singh, M. Gross, A. Hauchecorne, P. Keckhut, M.E. Gelman and R.M. Nagatani

Validation of UARS Microwave Limb Sounder temperature and pressure measurements

J. Geophys. Res., 101, 9983-10016

Lidar; Satellite; Temperature; Validation

1996, Froidevaux, L.

W. G. Read, T. A. Lungu, R. E. Cofield, E. F. Fishbein, D. A. Flower, R. F. Jarnot, B. P. Ridenoure, Z. Shippony, J. W. Waters, J. J. Margitan, I. S. McDermid, R. A. Stachnik, G. E. Peckham, G. Braathen, T. Deshler, J. Fishman, D. J. Hofmann and S. J. Oltmans

Validation of UARS Microwave Limb Sounder ozone measurements

J. Geophys. Res., 101, 10,017-10,060

Lidar; Sonde; Satellite; Ozone; Validation

1996, Gernandt, H.

A. Herber, P. von der Gathen, M. Rex, A. Rinke, S. Wessel, and S. Kaneto

Variability of ozone and aerosols in the polar atmosphere

Mem. Natl. Inst. Polar Res. Spec. Issue, 51, 189-215

Sonde; Ozone; Aerosol

1996, Gil, M.

O. Puentedura, M. Yela, C. Parrondo, B. Thorkelsson and D. Jadhav

OCIO, NO₂ and O₃ total columns observations over Iceland during the winter 1993/94

Geophys. Res. Lett., 23, 3320
UVVis; Ozone; NO₂; OClO

1996, Gille, J.C.

P.L. Bailey, S.T. Massie, L.V. Lyjak, D.P. Edwards, A.E. Roche, J.B. Kumer, J.L. Mergenthaler, M.R. Gross, A. Hauchecorne, P. Keckhut, T.J. McGee, I.S. McDermid, A.J. Miller, and U. Singh
Accuracy and precision of cryogenic limb array etalon spectrometer (CLAES) temperature retrievals
J. Geophys. Res., 101, 9583-9602
Lidar; Satellite, Temperature; Validation

1996, Glaccum, W.

R. Lucke, R.M. Bevilacqua, E.P. Shettle, J.S. Hornstein, D.T. Chen, J.D. Lumpe, S.S. Krigman, D.J. Debrestian, M.D. Fromm, F. Dalaudier, E. Chassefiere, C. Deniel, C.E. Randall, D.W. Rusch, J.J. Olivero, C. Brogniez, J. Lenoble, and R. Kremer
The Polar Ozone and Aerosol Measurement (POAM II) Instrument
J. Geophys. Res., 101, 14479-14487
Satellite; Ozone

1996, Godin S.

C. David M. Guirlet
Evolution of the Mt. Pinatubo Volcanic Cloud and Analysis of its Effect on the Ozone Amount as Observed from Ground-Based Measurements Performed in Northern and Southern Latitudes
NATO ASI series, Subseries I "Global Environment change", Vol 42, ed. by G. Fiocco et al.
Lidar; Aerosol; Ozone; Volcano

1996, Gordley, L.L.

J.M. Russell, L.J. Mickley, J.E. Frederick, J.H. Park, K.A. Stone, G.M. Beaver, J.M. McInerney, L.E. Deaver, G.C. Toon, F.J. Murcray, R.D. Blatherwick, M.R. Gunson, J.P.D. Abbatt, R.L. Mauldin, G.H. Mount, B. Sen, and J.-F. Blavier
Validation of nitric oxide and nitrogen dioxide measurements made by the Halogen Occultation Experiment for UARS platform
J. Geophys. Res., 101, 10241-10266
Satellite; NO, NO₂; Validation

1996, Griffith, D.W.T.

Synthetic calibration and quantitative analysis of gas phase infrared spectra
Appl. Spectrosc., 50, 59-70
FTIR

1996, Harries

J. E., J. M. Russell III, A. F. Tuck, L. L. Gordely, P. Purcell, K. Stone, R. M. Bevilacqua, M. Gunson, G. Nedoluha, and W. A. Traub

Validation of Measurements of Water Vapour from the Halogen Occultation Experiment (HALOE)

J. Geophys. Res., 101, 10205-10216

Microwave; Satellite; H₂O; Validation

1996, Hervig, M.E.

J.M. Russell III, L.L. Gordley, S.R. Drayson, K. Stone, R.E. Thompson, M.E. Gelman, I.S. McDermid, A.

Hauchecorne, P. Keckhut, T.J. McGee, U.N. Singh and M.R. Gross

Validation of temperature measurements from the Halogen Occultation Experiment

J. Geophys. Res., 101, 10277-10285

Lidar; Satellite; Temperature; Validation

1996, Hervig, M. E.

J. M. Russell III, L. L. Gordley, J. H. Park, S. R. Drayson, and T. Deshler

Validation of Aerosol Measurements from the Halogen Occultation Experiment

J. Geophys. Res., 101, 10267-10275

Sonde; Satellite; Aerosol; Validation

1996, Hurst, D.F.

D.W.T. Griffith, and G.D. Cook

Trace gas emissions from biomass burning in Australia

in Biomass Burning and Global Change, 2, Biomass Burning in South America, Southeast Asia, and Temperate and Boreal Ecosystems, and the Kuwait Oil Fires edited by J.S. Levine, pp. 377 pp., MIT Press, Cambridge, MA

FTIR

1996, Jaeger, H.

V. Freudenthaler, and F. Homburg

ELITE-94: IFU correlative results, in ELITE-94, The European 'LITE' Correlative Measurement Campaign, Workshop Proceedings, 9-10 November 1995, Florence, Italy

ESA WPP-107, 49-56

Lidar; Aerosol' Validation

1996, Keckhut, P.

M.E. Gelman, J.D. Wild, F. Tissot, A.J. Miller, A. Hauchecorne, M.L. Chanin, E.F. Fishbein, J. Gille, J.M. Russell III and F.W. Taylor

Semidiurnal and diurnal temperature tides (30-55 km): climatology and effect on UARS-LIDAR data comparisons

J. Geophys. Res., 101, 10299-10310

Lidar; Satellite; Temperature; Diurnal, Validation; Climatology

1996, Klein, U.

S. Crewell, and R. L. de Zafra, Correlated Millimeter-wave Measurements of ClO, N₂O, and HNO₃ from McMurdo, Antarctica, during Polar Spring, 1994
J. Geophys. Res., 101, 20925-20932
Microwave; ClO; N₂O; HNO₃

1996, Knudsen, B. M.
J. M. Rosen, N. T. Kjøme, and A. T. Whitten
Comparison of analyzed stratospheric temperatures and calculated trajectories with long-duration balloon data
J. Geophys. Res., 101, 19,137-19,145
Sonde; Temperature

1996, Kondo, U., et al
NO_y correlation with N₂O and CH₄ in the midlatitude stratosphere
Geophys. Res. Lett., 23, 2369-2372
FTIR; NO_y; N₂O; CH₄

1996, Kreher, K.
J. G. Keys, P. V. Johnston, U. Platt, and X. Liu,
Ground-based measurements of OCIO and HCl in austral spring 1993 at Arrival Heights, Antarctica
Geophys. Res. Lett., 23, 1545-1548
FTIR; UVVis; OCIO; HCl

1996, Kumer, J., et al.
Comparison of correlative data HNO₃ version 7 from the CLAES instrument deployed on the NASA UARS
J. Geophys. Res., 101, 9621-9656
Satellite; HNO₃; Validation

1996, Kumer, J., et al
Comparison of CLAES preliminary N₂O₅ data with correlative data and a model
J. Geophys. Res., 101, 9657-9677
Satellite; Model; N₂O₅

1996, Lahoz, W. A.
M. R. Suttie, L. Froidevaux, R. S. Harwood, C. L. Lau, T. A. Lungu, G. E. Peckham, H. C. Pumphrey, W. G. Read, Z. Shippony, R. A. Suttie, J. W. Waters, G. E. Nedoluha, S. J. Oltmans, J. M. Russell III, and W. A. Traub
Validation of UARS microwave limb sounder 183 GHz H₂O measurements
J. Geophys. Res., 101, 10129-10149, 1996.
Microwave; Satellite; H₂O; Validation

1996, Lambert, A., et al.

Validation of aerosol measurements from the improved stratospheric and mesospheric sounder
J. Geophys. Res., 101, 9811-9830
Satellite; Aerosol; Validation

1996, Larsen, N.
B. Knudsen, J. M. Rosen, N. T. Kjome, and E. Kyrö
Balloonborne backscatter observations of type 1 PSC formation: Inference about physical state from trajectory analysis
Geophys. Res. Lett., 23, 1091-1094
Sonde; Aerosol

1996, Massie, S., et al.
Validation Studies Using Multi-wavelength CLAES observations of Stratospheric Aerosol
J. Geophys. Res., 101, 9757-9773
Satellite; Aerosol; Validation

1996, Mayer B.
Seckmeyer G.
All-weather comparison between spectral and broadband (Robertson-Berger) UV measurements
Photochem. and Photobio., 64, 792-799
Spectral UV; UV Irradiance; Validation

1996, McDermid, I. S.
T. J. McGee, and D. P. J. Swart
NDSC Lidar Intercomparisons and Validation: OPAL and MLO3 Campaigns in 1995
Advances in Atmospheric Remote Sensing with Lidar, Springer New York-Berlin-Heidelberg, 525-528
Lidar; Ozone; Validation

1996, McKenzie, R. L.
M. Kotkamp, and W. Ireland
Upwelling UV spectral irradiances and surface albedo measurements at Lauder, New Zealand
Geophys. Res. Lett., 23, 1757-1760
Spectral UV; UV Irradiance

1996, McKenzie, R. L.
G. E. Bodeker, D. J. Keep, M. Kotkamp, and J. H. Evans
UV radiation in New Zealand: measured North to South differences, and relationship to other latitudes
Weather and Climate, 16, 17-26
Spectral UV; UV Irradiance

1996, McPeters, R.D.
G. Labow

An assessment of the accuracy of 14.5 years of Nimbus 7 TOMS ozone data by comparison with the Dobson network

Geophys. Res. Lett., 23, 3695-3698

Dobson; Satellite; Ozone; Validation

1996, Meier, A.

J. Notholt

Determination of the isotopic abundances of heavy ozone as observed in arctic ground-based FTIR-spectra

Geophys. Res. Lett., 23, 551-554

FTIR; Ozone

1996, Mergenthaler, J., et al

Validation of CLAES ClONO₂ Measurements

J. Geophys. Res., 101, 9603-9620

Satellite; ClONO₂; Validation

1996, Nedoluha, G. E.

R. M. Bevilacqua, R. M. Gomez, W. B. Waltman, B. C. Hicks, D. L. Thacker, and W. A. Matthews

Measurements of water vapor in the middle atmosphere and implications for mesospheric transport

J. Geophys. Res., 101, 21183-21193

Microwave; H₂O

1996, Nichol, S.E.

J.G. Keys, S.W. Wood, P.V. Johnston, and G.E. Bodeker

Intercomparison of total ozone data from a Dobson spectrophotometer, TOMS, visible wavelength spectrometer, and ozonesondes

Geophys. Res. Lett., 23, 1087-1090

Dobson; Sonde; Satellite; Ozone

1996, Notholt, J.

K. Pfeilsticker

Stratospheric trace gas measurements in the near UV and visible spectral range with the sun as light source using a Fourier transform spectrometer

Applied Spectr., 50, 583-587

FTIR

1996, Panegrossi, G.

D. Fua, and G. Fiocco

A 1-D model of the formation and evolution of Polar Stratospheric Clouds

J. Atm. Chem., 28, 5-12

Lidar; Model; Aerosol; PSC

1996, Park, J. H.

J. M. Russell III, L. L. Gordley, S. R. Drayson, D. Chris Benner, J. McInerney, M. R. Gunson, G. G. Toon, B. Sen, J.-F. Blavier, C. R. Webster, E. C. Zipf, P. Erdman U. Schmidt, and C. Schiller
Validation of Halogen Occultation Experiment CH₄ Measurements from the UARS
J. Geophys. Res., 101, 10183-10203
Satellite; CH₄, Validation

1996, Planet, W. G.

A.J. Miller, J.J. DeLuisi, D.J. Hofmann, S.J. Oltmans, J.D. Wild, I.S. McDermid, R.D. McPeters, and B.J. Connor,
Comparison of NOAA-11 SBUV/2 Ozone Vertical Profiles with Correlative Measurements
Geophys. Res. Lett., 23, 293-296
Lidar; Microwave; Satellite; Ozone; Validation

1996, Portmann, R. W.

S. Solomon, R. R. Garcia, L. W. Thomason, L. R. Poole, and M. P. McCormick
Role of aerosol variations in anthropogenic ozone depletion in polar regions
J. Geophys. Res., 101, 22991-23006
Theory; Aerosol; Ozone

1996, Pougatchev, N.S.

Connor, B.J.; Jones, N.B.; Rinsland, C.P.
Validation of ozone profile retrievals from infrared ground-based solar spectra
Geophys. Res. Lett., 23(13), 1637-1640
FTIR; Ozone; Validation

1996, Reburn, W., et al.

Validation of NO₂ measurements from the ISAMS
J. Geophys. Res., 101, 9873-9895
Satellite; NO₂; Validation

1996, Remedios, J., et al.

Measurements of CH₄ and N₂O distributions by the ISAMS: Retrieval and validation
J. Geophys. Res., 101, 9843-9871
Satellite; CH₄; N₂O; Validation

1996, Ricaud, P.

J. de La Noë, B.J. Connor, L. Froidevaux, J.W. Waters, R.S. Harwood, I.A. MacKenzie, and G.E. Peckham
Diurnal variability of mesospheric ozone as measured by the UARS microwave limb sounder instrument:
Theoretical and ground-based validations
J. Geophys. Res., 101, 10077-10089

Satellite; Ozone; Diurnal; Validation

1996, Rinsland, C.P.

Connor, B.J.; Jones, N.B.; Boyd, I.S.; Matthews, W.A.; Goldman, A.; Murcray, F.J.; Murcray, D.G.; David, S.J.; Pougatchev, N.S.

Comparison of infrared and Dobson total ozone columns measured from Lauder, New Zealand

Geophys. Res. Lett., 23,1025-1028

FTIR; Dobson; Ozone; Validation

1996, Rinsland, C. P.

R. Zander, Ph. Demoulin, and E. Mahieu

ClONO₂ total vertical column abundances above the Jungfraujoch station, 1986-1994: long-term trend and winter-spring enhancements

J. Geophys. Res., 101, 3891-3899

FTIR; ClONO₂; Trend

1996, Roche, A., et al.

Validation of CH₄ and N₂O measurements by the CLAES instrument on the Upper Atmosphere Research Satellite

J. Geophys. Res., 101, 9679-9710

Satellite; CH₄; N₂O; Validation

1996, Russell III

J. M., L. E. Deaver, M. Luo, R. J. Cicerone, J. H. Park, L. L. Gordley, G. C. Toon, M. R. Gunson, W. A. Traub, D. G. Johnson, K. W. Jucks, R. Zander, and I. G. Nolt

Validation of hydrogen fluoride measurements made by the Halogen Occultation Experiment from the UARS platform

J. Geophys. Res., 101, 10,162-10,174

FTIR; Satellite; HF; Validation

1996, Russell III

J. M., L. E. Deaver, M. Luo, J. H. Park, L. L. Gordley, A. F. Tuck, G. C. Toon, M. R. Gunson, W. A. Traub, D. G. Johnson, K. W. Jucks, D. G. Murcray, R. Zander, I. G. Nolt, and C. R. Webster,

Validation of hydrogen chloride measurements made by the Halogen Occultation Experiment from the UARS platform

J. Geophys. Res., 101, 10,151-10,162

FTIR; Satellite; HCl; Validation

1996, Schmid, B.

K. J. Thome, Ph. Demoulin, R. Peter, C. Matzler, and J. Sekler

Comparison of modeled and empirical approaches for retrieving columnar water vapor from solar transmittance measurements in the 0.94 micron region

J. Geophys. Res., 101, 9345-9358
FTIR; H2O

1996, Schreiber, J.
T. Blumenstock, and H. Fischer
Effects of the self-emission of an IR Fourier-transform spectrometer on measured absorption spectra
Appl. Opt., 35, 6203-6209
FTIR

1996, Schwab, J. J.
R.-J. Pan, and J. Zhang
What constitutes a valid intercomparison of satellite and in situ stratospheric H2O measurements?
J. Geophys. Res., 101, 1517-1528
Satellite; H2O; Validation

1996, Seckmeyer G.
Albold A., Erb R.
Transmittance of a cloud is wavelength-dependent in the UV-range
Geophys. Res. Lett., 23, 2753-2755
Spectral UV; UV Irradiance

1996; Seckmeyer G.
Bernhard G., Mayer B., Erb R.
High Accuracy Spectroradiometry of Solar UV Radiation
Metrologia, 32, 697-700
Spectral UV; UV Irradiance

1996, Singh, U.N.
P. Keckhut, T.J. McGee, M.R. Gross, A. Hauchecorne, E.F. Fishbein, J.W. Waters, J.C. Gille, A.E. Roche and
J.M. Russell III
Stratospheric temperature measurements by two collocated NDSC lidars at OHP during UARS validation
campaign
J. Geophys. Res., 101, 10287-10297
Lidar; Satellite; Temperature; Validation

1996, Smith, S., et al
N2O5 measurements from the ISAMS: validation and preliminary results
J. Geophys. Res., 101, 9897-9906
Satellite; N2O5; Validation

1996, Solomon, S.
R. W. Portmann, R. R. Garcia, L. W. Thomason, L. R. Poole, and M. P. McCormick

The role of aerosol variations in anthropogenic ozone depletion at northern mid-latitudes

J. Geophys. Res., 101, 6713-6728

Theory; Aerosol; Ozone

1996, Steinbrecht, W.

H. Jäger, A. Adriani, G. di Donfrancesco, J. Barnes, G. Beyerle, R. Neuber, C. David, S. Godin, D. Donovan, A. I. Carswell, M. Gross, T. McGee, F. Masci, A. D. Altorio, V. Rizi, G. Visconti, I. S. McDermid, G. Mégie, A. Mielke, B. Stein, C. Wedkind, T. Nagai, O. Uchino, H. Nakane, M. Osborn, and D. Winker

NDSC Intercomparison of Stratospheric Aerosol Processing Algorithms, Advances in Atmospheric Remote Sensing with Lidar

Springer New York-Berlin-Heidelberg, 501-504

Lidar, Algorithm, Aerosol, Validation

Whiteway, J. A. and T. J. Duck, Evidence for Critical Level Filtering of Atmospheric Gravity Waves,

Geophys. Res. Lett., 23, 145-148, 1996.

1996, Van Haver, P.

D. De Muer, M. Beekmann and C. Mancier

Climatology of tropopause folds at midlatitudes

Geophys. Res. Lett., 23, 1033-1036

Lidar; Climatology

1996, J. W. Waters, et al.

Validation of UARS Microwave Limb Sounder ClO Measurements

J. Geophys Res., 101, 10,091-10,128

Microwave; Satellite; ClO; Validation

1996, Yokelson, R.J.

D.W.T. Griffith, J.B. Burkholder, and D.E. Ward

Accuracy and advantages of synthetic calibration of smoke spectra

in Optical Remote Sensing for Environmental and Process Monitoring, pp. 365-376, Air & Waste

Management Association, Pittsburgh

FTIR