

Onsala Space Observatory, Chalmers

Publication list 2003

Compiled by Magnus Thomasson

Publications in refereed journals 2003 enabled by the Onsala infrastructure are recorded below. For astronomy, publications in the following refereed astronomical journals are listed: Astronomy & Astrophysics (including Letters), Astronomical Journal, Astrophysical Journal (including Letters and Supplement Series), Publications of the Astronomical Society of the Pacific, and Monthly Notices of the Royal Astronomical Society (including Letters). In addition, technical publications related to the telescopes in other journals and in conference proceedings are also listed.

[Astronomy: Onsala 20 m and/or 25 m telescope \(single-dish\)](#)

[Astronomy: SEST \(single-dish\)](#)

[Astronomy: Odin \(single-dish\)](#)

[Astronomy: VLBI](#)

[Geodesy: VLBI](#)

[Aeronomy: Odin](#)

Astronomy: Onsala 20 m and/or 25 m telescope (single-dish)

Precise Laboratory Frequencies for the $J = 1-0$ and $J = 2-1$ Rotational Transitions of $C^{18}O$

G. Cazzoli, C. Puzzarini, and A. V. Lapinov

The Astrophysical Journal, 592:L95-L98 (2003)

“Thermal” SiO radio line emission towards M-type AGB stars: A probe of circumstellar dust formation and dynamics

D. González Delgado, H. Olofsson, F. Kerschbaum, F. L. Schöier, M. Lindqvist, and M. A. T. Groenewegen

Astronomy & Astrophysics 411, 123-147 (2003)

Astronomy: SEST (single-dish)

Active Star Formation in the N11B Nebula in the LMC: A Sequential Star Formation Scenario Confirmed

Barba, R.H., Rubio, M., Roth, M.R., Garcia, J.

Astrophys. J., 125, pp.1940-1957 (2003)

Dust Emissivity in the Submm/mm. SCUBA and SIMBA Observations of Barnard 68

Bianchi, S., Goncalves, J., Albrecht, M., Caselli, P., Chini, R., Galli, D., Walmsley, M.

Astron. Astrophys. 399, pp. L43-L46 (2003)

Unusual CO Line Ratios and Kinematics in the N83/N84 Region of the Small Magellanic Cloud

Bolatto, A.D., Leroy, A., Israel, F.P., Jackson, J.M.

Astrophys. J. 595, pp. 167-178 (2003)

The Trumpler 14 Photodissociation Region in the Carina Nebula

Brooks, K.J., Cox, P., Schneider, N., Storey, J.W.V., Poglitsch, A., Geis, N., Bronfman, L.
Astron. Astrophys. 412, pp. 751-765 (2003)

SIMBA Observations of the R Corona Australis Molecular Cloud

Chini, R., Kämpgen, K., Reipurth, B., Albrecht, M., Kreysa, E., Lemke, R., Nielbock, M.,
Reichert, L. A., Sievers, A., Zylka, R.
Astron. Astrophys. 409, pp. 235-244 (2003)

BOOMERANG: A Balloon-borne Millimeter-Wave Telescope and Total Power Receiver for Mapping Anisotropy in the Cosmic Microwave Background

Crill, B. P., Ade, P. A. R., Artusa, D. R., Bhatia, R. S., Bock, J. J., Boscaleri, A., Cardoni, P.,
Church, S. E., Coble, K., de Bernardis, P., de Troia, G., Farese, P., Ganga, K. M., Giacometti,
M., Haynes, C. V., Hivon, E., Hristov, V. V., Iacoangeli, A., Jones, W. C., Lange, A. E.,
Martinis, L.; Masi, S., Mason, P. V., Mauskopf, P. D., Miglio, L., Montroy, T., Netterfield, C.
B., Paine, C. G.; Pascale, E., Piacentini, F., Polenta, G., Pongetti, F., Romeo, G., Ruhl, J. E.,
Scaramuzzi, F., Sforna, D., Turner, A. D.
Astrophys. J. Suppl. Ser. 148, pp. 527-541 (2003)

A Triple Radio Continuum Source Associated with IRAS 16547-4247: A Collimated Stellar Wind Emanating from a Massive Protostar

Garay, G., Brooks, K.J., Mardones, D., Norris, R.P.
Astrophys. J. 587, pp. 739-747 (2003)

“Thermal” SiO radio line emission towards M-type AGB stars: A probe of circumstellar dust formation and dynamics

D. González Delgado, H. Olofsson, F. Kerschbaum, F. L. Schöier, M. Lindqvist, and M. A. T.
Groenewegen
Astronomy & Astrophysics 411, 123-147 (2003)

Icy Grains as a Source of CO in Comet 29P/Schwassmann-Wachmann 1

Gunnarsson, M.
Astron. Astrophys. 398, pp. 353-361 (2003)

Production and Kinematics of CO in Comet C/1995 O1 (Hale-Bopp) at Large Post-Perihelion Distances

Gunnarsson, M., Bockelée-Morvan, D., Winnberg, A., Rickman, H., Crovisier, J., Biver, N.,
Colom, P., Davies, J.K., Despois, D., Henry, F., Johansson, L.E.B., Moreno, R., Paubert, G.,
Rantakyö, F.T.
Astron. Astrophys. 402, pp. 383-393 (2003)

Dust and Molecules in the Local Group Galaxy NGC 6822. III. The First-Ranked HII Region Complex Hubble V

Israel, F.P., Baas, F., Rudy, R.J., Skillman, E.D., Woodward, C.E.
Astron. Astrophys. 397, pp. 87-97 (2003)

Results of the ESO-SEST Key Programme on CO in the Magellanic Clouds. IX. The Giant LMC HII Region Complex N 11

Israel, F.P., de Graauw, Th., Johansson, L.E.B., Booth, R.S., Boulanger, F., Garay, G., Kutner, M.L., Lequeux, J., Nyman, L.-Å., Rubio, M.
Astron. Astrophys. 401, pp. 99-111 (2003)

Results of the ESO-SEST Key Programme on CO in the Magellanic Clouds. X. CO Emission from Star Formation Regions in LMC and SMC

Israel, F.P., Johansson, L.E.B., Rubio, M., Garay, G., de Graauw, Th., Booth, R.S., Boulanger, F., Kutner, M.L., Lequeux, J., Nyman, L.-Å.
Astron. Astrophys. 406, pp. 817-828 (2003)

The 1.2mm Image of the Beta Pictoris Disk

Liseau, R., Brandeker, A., Fridlund, M., Olofsson, G., Takeuchi, T., Artymowicz, P.
Astron. Astrophys. 402, pp. 183-187 (2003)

First Detection of NH₃ (10 - 00) from a Low Mass Cloud Core. On the Low Ammonia Abundance of the ρ Oph A Core

Liseau, R., Larsson, B., Brandeker, A., Bergman, P., Bernath, P., Black, J.H., Booth, R.S., Buat, V., Curry, C., Encrenaz, P., Falgarone, E., Feldman, P., Fich, M., Florén, H., Frisk, U., Gerin, M., Gregersen, E., Harju, J., Hasegawa, T., Hjalmarsen, Å., Johansson, L., Kwok, S., Lecacheux, A., Liljeström, T., Mattila, K.,Olberg, M., et al.
Astron. Astrophys. 402, pp. L73-L76 (2003)

Star Formation in the Vela Molecular Clouds. V. Young Stellar Objects and Star Clusters Towards the C-Cloud

Massi, F., Lorenzetti, D., Giannini, T.
Astron. Astrophys. 399, pp. 147-167 (2003)

Detection of Carbon Monoxide Within the Magellanic Bridge

Muller, E., Staveley-Smith, L., Zealey, W.J.
Mon. Not. RAS. 338, pp. 609-615 (2003)

A search for high-redshift molecular absorption lines towards millimetre-loud, optically faint quasars.

Murphy, M. T., Curran, S. J. & Webb, J. K.
Monthly Notice of the Royal Astronomical Society 342 (3), 830-836. (2003)

The Stellar Content of OMC 2/3

Nielbock, M., Chini, R., Müller, S.A.H.
Astron. Astrophys. 408, pp. 245-256 (2003)

Looking for Dust and Molecules in Nova V4743 Sagittarii

Nielbock, M., Schmidtobreick, L.
Astron. Astrophys. 400, pp. L5-L8 (2003)

Infrared Observations of NGC 3603. III. The Enigmatic Highly Reddened Sources of IRS 9

Nuernberger, D.E.A.
Astron. Astrophys. 404, pp. 255-265 (2003)

N₂H+(1-0) Survey of Massive Molecular Cloud Cores

Pirogov, L., Zinchenko, I., Caselli, P., Johansson, L.E.B., Myers, P.C.
Astron. Astrophys. 405, pp. 639-654 (2003)

Multifrequency Interferometer and Radio Continuum Monitoring Observations of CTA 102

Rantakyro, F., Wiik, K., Tornikoski, M., Valtaoja, E., Bååth, L.B. 2003
Astron. Astrophys. 405, pp. 473-485 (2003)

Search for Molecular Emission from V838 Monocerotis

Rushton, M.T., Coulson, I.M., Evans, A., Nyman, L.-Å., Smalley, B., Geballe, T.R., van
Loon, J.Th., Eyres, S.P.S., Tyne, V.H.
Astron. Astrophys. 412, pp.767-769 (2003)

Star-Forming Complexes and the Spiral Structure of Our Galaxy

Russeil, D.
Astron. Astrophys. 397, pp. 133-146 (2003)

*Morphology and Kinematics of Lynds 1642. Multivariate Analysis of CO Maps of a
Translucent Cloud*

Russeil, D., Juvela, M., Lehtinen, K., Mattila, K., Paatero, P.
Astron. Astrophys. 409, pp.135-146 (2003)

Search for molecular emission from V838 Monocerotis

M. T. Rushton, I. M. Coulson, A. Evans, L.-Å. Nyman, B. Smalley, T. R. Geballe, J. Th. van
Loon, S. P. S. Eyres, and V. H. Tyne
Astronomy & Astrophysics 412, 767-769 (2003)

12CO(1-0) observation of isolated late-type galaxies

S. Sauty, F. Casoli, A. Boselli, M. Gerin, J. Lequeux, J. Braine, G. Gavazzi, J. Dickey, I.
Kazès, and P. Fouqué
Astronomy & Astrophysics 411, 381-390 (2003)

*Mass-Loss from Dusty, Low Outflow-Velocity AGB Stars. I. Wind Structure and Mass-Loss
Rates*

Winters, J. M., Le Bertre, T., Jeong, K.S., Nyman, L.-Å., Epchtein, N.
Astron. Astrophys. 409, pp.715-735 (2003)

Molecular Abundances in Carbon-Rich Circumstellar Envelopes

Woods, P.M., Schöier, F.L., Nyman, L.-Å., Olofsson, H.
Astron. Astrophys. 402, pp. 617-634 (2003)

Astronomy: Odin (single-dish)

The Odin satellite - I. Radiometer design and test

U. Frisk, M. Hagström, J. Ala-Laurinaho, S. Andersson, J.-C. Berges, J.-P. Chabaud, M. Dahlgren, A. Emrich, H.-G. Florén, G. Florin, M. Fredrixon, T. Gaier, R. Haas, T. Hirvonen, Å. Hjalmarsson, B. Jakobsson, P. Jukkala, P. S. Kildal, E. Kollberg, J. Lassing, A. Lecacheux, P. Lehtikoinen, A. Lehto, J. Mallat, C. Marty, D. Michet, J. Narbonne, M. Nexon, M. Olberg, A. O. H. Olofsson, G. Olofsson, A. Origné, M. Petersson, P. Piironen, R. Pons, D. Pouliquen, I. Ristorcelli, C. Rosolen, G. Rouaix, A. V. Räisänen, G. Serra, F. Sjöberg, L. Stenmark, S. Torchinsky, J. Tuovinen, C. Ullberg, E. Vinterhav, N. Wadefalk, H. Zirath, P. Zimmermann and R. Zimmermann
Astron. Astrophys. 402, p. L27 (2003)

Highlights from the first year of Odin observations

Å. Hjalmarsson, U. Frisk, M. Olberg, P. Bergman, P. Bernath, N. Biver, J. H. Black, R. S. Booth, V. Buat, J. Crovisier, C. L. Curry, M. Dahlgren, P. J. Encrenaz, E. Falgarone, P. A. Feldman, M. Fich, H. G. Florén, M. Fredrixon, M. Gerin, E. M. Gregersen, M. Hagström, J. Harju, T. Hasegawa, C. Horellou, L. E. B. Johansson, E. Kyrölä, S. Kwok, B. Larsson, A. Lecacheux, T. Liljeström, M. Lindqvist, R. Liseau, E. J. Llewellyn, K. Mattila, G. Mégie, G. F. Mitchell, D. Murtagh, L.-Å. Nyman, H. L. Nordh, A. O. H. Olofsson, G. Olofsson, H. Olofsson, L. Pagani, G. Persson, R. Plume, H. Rickman, I. Ristorcelli, G. Rydbeck, Aa. Sandqvist, F. von Schéele, G. Serra, S. Torchinsky, N. F. Tothill, K. Volk, T. Wiklind, C. D. Wilson, A. Winnberg and G. Witt
Astron. Astrophys. 402, p. L39 (2003)

First NH₃ detection of the Orion Bar

B. Larsson, R. Liseau, P. Bergman, P. Bernath, J. H. Black, R. S. Booth, V. Buat, C. L. Curry, P. Encrenaz, E. Falgarone, P. Feldman, M. Fich, H. G. Florén, U. Frisk, M. Gerin, E. M. Gregersen, J. Harju, T. Hasegawa, L. E. B. Johansson, S. Kwok, A. Lecacheux, T. Liljeström, K. Mattila, G. F. Mitchell, L. H. Nordh, M. Olberg, G. Olofsson, L. Pagani, R. Plume, I. Ristorcelli, Aa. Sandqvist, F. v. Schéele, N. F. H. Tothill, K. Volk, C. D. Wilson
Astron. Astrophys. 402, p. L69 (2003)

Observations of water in comets with Odin

A. Lecacheux, N. Biver, J. Crovisier, D. Bockelée-Morvan, P. Baron, R. S. Booth, P. Encrenaz, H.-G. Florén, U. Frisk, Å. Hjalmarsson, S. Kwok, K. Mattila, L. Nordh, M. Olberg, A. O. H. Olofsson, H. Rickman, Aa. Sandqvist, F. von Schéele, G. Serra, S. Torchinsky, K. Volk and A. Winnberg
Astron. Astrophys. 402, p. L55 (2003)

First Detection of NH₃ (10 - 00) from a Low Mass Cloud Core. On the Low Ammonia Abundance of the p Oph A Core

Liseau, R., Larsson, B., Brandeker, A., Bergman, P., Bernath, P., Black, J.H., Booth, R.S., Buat, V., Curry, C., Encrenaz, P., Falgarone, E., Feldman, P., Fich, M., Florén, H., Frisk, U., Gerin, M., Gregersen, E., Harju, J., Hasegawa, T., Hjalmarsson, Å., Johansson, L., Kwok, S., Lecacheux, A., Liljeström, T., Mattila, K.,Olberg, M., et al.
Astron. Astrophys. 402, pp. L73-L76 (2003)

The Odin orbital observatory

H. L. Nordh, F. von Schéele, U. Frisk, K. Ahola, R. S. Booth, P. J. Encrenaz, Å. Hjalmarson, D. Kendall, E. Kyrölä, S. Kwok, A. Lecacheux, G. Leppelmeier, E. J. Llewellyn, K. Mattila, G. Mégie, D. Murtagh, M. Rougeron and G. Witt
Astron. Astrophys. 402, p. L21 (2003)

The Odin satellite - II. Radiometer data processing and calibration

M. Olberg, U. Frisk, A. Lecacheux, A. O. H. Olofsson, P. Baron, P. Bergman, G. Florin, Å. Hjalmarson, B. Larsson, D. Murtagh, G. Olofsson, L. Pagani, Aa. Sandqvist, D. Teyssier, S. A. Torchinsky and K. Volk
Astron. Astrophys. 402, p. L35 (2003)

Odin water mapping in the Orion KL region

A. O. H. Olofsson, G. Olofsson, Å. Hjalmarson, P. Bergman, J. H. Black, R. S. Booth, V. Buat, C. L. Curry, P. J. Encrenaz, E. Falgarone, P. Feldman, M. Fich, H. G. Florén, U. Frisk, M. Gerin, E. M. Gregersen, J. Harju, T. Hasegawa, L. E. B. Johansson, S. Kwok, B. Larsson, A. Lecacheux, T. Liljeström, R. Liseau, K. Mattila, G. F. Mitchell, H. L. Nordh, M. Olberg, H. Olofsson, L. Pagani, R. Plume, I. Ristorcelli, G. Rydbeck, Aa. Sandqvist, F. von Schéele, G. Serra, N. F. Tothill, K. Volk and C. D. Wilson
Astron. Astrophys. 402, p. L47 (2003)

Low upper limits on the O₂ abundance from the Odin satellite

L. Pagani, A. O. H. Olofsson, P. Bergman, P. Bernath, J. H. Black, R. S. Booth, V. Buat, J. Crovisier, C. L. Curry, P. J. Encrenaz, E. Falgarone, P. A. Feldman, M. Fich, H. G. Floren, U. Frisk, M. Gerin, E. M. Gregersen, J. Harju, T. Hasegawa, Å. Hjalmarson, L. E. B. Johansson, S. Kwok, B. Larsson, A. Lecacheux, T. Liljeström, M. Lindqvist, R. Liseau, K. Mattila, G. F. Mitchell, L. H. Nordh, M. Olberg, G. Olofsson, I. Ristorcelli, Aa. Sandqvist, F. von Scheele, G. Serra, N. F. Tothill, K. Volk, T. Wiklind and C. D. Wilson
Astron. Astrophys. 402, p. L77 (2003)

Odin observations of H₂O in the Galactic Centre

Aa. Sandqvist, P. Bergman, J. H. Black, R. Booth, V. Buat, C. L. Curry, P. Encrenaz, E. Falgarone, P. Feldman, M. Fich, H. G. Floren, U. Frisk, M. Gerin, E. M. Gregersen, J. Harju, T. Hasegawa, . Hjalmarson, L. E. B. Johansson, S. Kwok, B. Larsson, A. Lecacheux, T. Liljeström, M. Lindqvist, R. Liseau, K. Mattila, G. F. Mitchell, L. Nordh, M. Olberg, A. O. H. Olofsson, G. Olofsson, L. Pagani, R. Plume, I. Ristorcelli, F. v. Schéele, G. Serra, N. F. H. Tothill, K. Volk, C. D. Wilson and A. Winnberg
Astron. Astrophys. 402, p. L63 (2003)

Submillimeter emission from water in the W3 region

C. D. Wilson, A. Mason, E. Gregersen, A. O. H. Olofsson, P. Bergman, R. Booth, N. Boudet, V. Buat, C. L. Curry, P. Encrenaz, E. Falgarone, P. Feldman, M. Fich, H. G. Floren, U. Frisk, M. Gerin, J. Harju, T. Hasegawa, Å. Hjalmarson, M. Juvela, S. Kwok, B. Larsson, A. Lecacheux, T. Liljeström, R. Liseau, K. Mattila, G. Mitchell, L. Nordh, M. Olberg, G. Olofsson, L. Pagani, R. Plume, I. Ristorcelli, Aa. Sandqvist, G. Serra, N. Tothill, K. Volk and F. von Scheele
Astron. Astrophys. 402, p. L59 (2003)

Astronomy: VLBI

Publications related to VLBI observations including the 20 m or 25 m telescopes in Onsala.

SN 1979C VLBI: 22 Years of Almost Free Expansion

Norbert Bartel and Michael F. Bietenholz
The Astrophysical Journal, 591:301-315 (2003)

SN 1993J VLBI. III. The Evolution of the Radio Shell

Bietenholz, M.F., Bartel, N., Rupen, M.P.
Astrophys. J., 597, pp. 374-398

Global 8.4-GHz VLBI Observations of JVAS B0218+357

Biggs, A.D., Wucknitz, O., Porcas, R.W., Browne, I.W.A., Jackson, N.J., Mao, S., Wilkinson, P.N.
Mon. Not. R.A.S. 338, pp. 599-608 (2003)

Selecting Stable Extragalactic Compact Radio Sources from the Permanent Astrogeodetic VLBI Program

Feissel-Vernier, M.
Astron. Astrophys., 403, pp.105-110 (2003)

Radio Structure of the Most Distant Radio-Detected Quasar at the 10-mas Scale

Frey, S., Mosoni, L., Paragi, Z., Gurvits, L.I.
Mon. Not. R.A.S. 343, pp. L20-L24 (2003)

EVN Observation of Three Broad Absorption Line Quasars

Jiang, D.R., Wang, T.G.
Astron. Astrophys. 397, pp.L13-L16 (2003)

Radio Asymmetry in 3C 99

Mantovani, F., Fanti, R., Ferrari, C., Cotton, W., Muxlow, T.W.B.
Astron. Astrophys. 399, pp.449-456 (2003)

The Speed and Orientation of the Parsec-Scale Jet in 3C 279

Piner, B.G., Unwin, S.C., Wehrle, A.E., Zook, A.C., Urry, C.M., Gilmore, D.M.
Astrophys. J. 588, pp. 716-730 (2003)

VLBI Observations of T Tauri South

Smith, K., Pestalozzi, M., Güdel, M., Conway, J., Benz, A.O.
Astron. Astrophys. 406, pp. 957-967 (2003)

3C459: a Highly Asymmetric Radio Galaxy with a Starburst

Thomasson, P., Saikia, D.J., Muxlow, T.W.B.
Mon. Not. R.A.S. 341, pp. 91-99 (2003)

Geodesy: VLBI

Publications related to VLBI observations including the 20 m or 25 m telescopes in Onsala.

Self-consistency in reference frames, geocenter definition, and surface loading of the solid Earth.

Blewitt G

J. Geophys. Res., 108(B2), 2103, doi:10.1029/2002JB002082. (2003)

Remaining error sources in the nutation at the submilliarc second level.

Dehant V, M. Feissel-Vernier M, de Viron O, Ma C, Yseboodt M, Bizouard C

J. Geophys. Res., 108(B5), 2275, doi:10.1029/2002JB001763. (2003)

Recent crustal movements observed with the European VLBI network: geodetic analysis and results.

Haas R, Nothnagel A, Campbell J, Gueguen E

J. Geodyn., 35(4), 391-414, doi:10.1016/S0264-3707(03)00003-6. (2003)

Pleistocene and recent deglaciation in Svalbard: implications for tide-gauge, GPS and VLBI measurements.

Hagedoorn J M, Wolf D

J. Geodyn., 35(4), 415-423, doi:10.1016/S0264-3707(03)00004-8. (2003)

Chandler and annual wobbles based on space-geodetic measurements.

Höpfner J

J. Geodyn., 36(3), 369-381, doi:10.1016/S0264-3707(03)00056-5. (2003)

Polar motions with a half-Chandler period and less in their temporal variability.

Höpfner J

J. Geodyn., 36(3), 407-422, doi:10.1016/S0264-3707(03)00059-0. (2003)

Study of harmonic site position variations determined by very long baseline interferometry.

Petrov L, Ma C

J. Geophys. Res., 108(B4), 2190, doi:10.1029/2002JB001801. (2003)

Evaluation of GPS-based ionospheric TEC map by comparing with VLBI data.

Sekido M, Kondo T, Kawai E, Imae M

Radio Sci., 38(4), 1069, doi:10.1029/2000RS002620. (2003)

Aeronomy: Odin

Aeronomy publications related to the Odin satellite.

Volume Emission Rate Tomography From a Satellite Platform

Degenstein, D. A., Llewellyn, E. J. and Lloyd, N. D.
Applied Optics, 41, 1441-1450 (2003)

The potential for incorrect interpretation of atmospheric images as seen with OSIRIS

Degenstein, D. A., Llewellyn, E. J., and Lloyd, N. D.
Proceedings of the 28AM on Optical Studies of the Upper Atmosphere, Oulu, Finland.
Sodankylä Geophysical Observatory Publications 92, 49–53 (2003)

First Results from the OSIRIS Instrument on-board Odin Llewellyn, E. J., Degenstein, D. A., Lloyd, N. D.

Gattinger, R. L., Petelina, S., McDade, I. C., Haley, C., Solheim, B. H., Savigny, C. von, Sioris, C., Evans, W. F. J., Strong, K., Murtagh, D. P., and Stegman, J.
Proceedings of the 28AM on Optical Studies of the Upper Atmosphere, Oulu, Finland.
Sodankylä Geophysical Observatory Publications 92, 41–47 (2003)

First inversions of observed submillimeter limb sounding radiances by neural networks.

Jiménez, C., Eriksson, P., and Murtagh, D.
J. Geophys. Res., 108 (D24), art. no.-4791 doi:10.1029/2003JD003826 (2003)

Inversion of Odin limb sounding submillimeter observations by a neural network technique.

Jiménez, C., Eriksson, P., and Murtagh, D.
Radio Sci., 38 (4), art. no.-8062 (2003)

The calibration of instruments for atmospheric ozone measurement with a sealed ozone cell: The OSIRIS/ODIN spectrograph

Puckrin, E. and Evans, W. F. J.
Adv. Space Res., 32 (11), 2153, 2003 doi:10.1016/S0273-1177(03)90537-0 (2003)

Stratospheric Ozone Profiles Retrieved from Limb Scattered Sunlight Radiance Spectra Measured by the OSIRIS Instrument on the Odin Satellite

Savigny, C. von, Haley, C. S., Sioris, C. E., McDade, I. C., Llewellyn, E. J., Degenstein, D., Evans, W. F. J., Gattinger, R. L., Griffioen, E., Lloyd, N., McConnell, J. C., McLinden, C. A., Murtagh, D. P., Solheim, B., and Strong, K.
Geophys. Res. Lett., 30 (14), art.no.-1755 doi:10.1029/2002GL016401 (2003)

Stratospheric profiles of nitrogen dioxide observed by Optical Spectrograph and Infrared Imager System on the Odin satellite

Sioris, C. E., Haley, C. S., McLinden, C. A., Savigny, C. von, McDade, I. C., McConnell, J. C., Evans, W. F. J., Lloyd, N. D., Llewellyn, E. J., Chance, K. V., Kurosu, T. P., Murtagh, D., Frisk, U., Pfeilsticker, K., Bösch, H., Weidner, F., Strong, K., Stegman, J., and Mégie, G.
J. Geophys. Res., 108 (D7), art.no.-4215 doi:10.1029/2002JD002672 (2003)