Bibliography files
strings,ubref
January 18, 2012

References

[aristotle340bcat] **Aristotle**. *Meteorologica*, volume I, chapter 5. (ancient text), ca. 340 B.C.

[pliny77at] **Pliny**. *Historiae Naturalis*, volume II, chapter 27,33. (ancient text), ca. 77.

[seneca63at] **Seneca**. *Quaestiones Naturales*, volume I, chapter 14–15. (ancient text), ca. 63.

[mann2011dusty] **Mann, I.**, **A. Pellinen-Wannberg**, **E. Murad**, **O. Popova**, **N. Meyer-Vernet**, **M. Rosenberg**, **T. Mukai**, **A. Czechowski**, **S. Mukai**, **J. Safrankova et al.** *Dusty plasma effects in near earth space and interplanetary medium. Space Science Reviews*, pages 1–47, 2011.

[aruliah2010anngeo] **Aruliah, AL**, **EM Griffin**, **HCI Yiu**, **I. McWhirter** and **A. Charalambous**. *SCANDI–an all-sky Doppler imager for studies of thermospheric spatial structure. Ann. Geophys.*, 28:549–567, 2010.

[gustavsson2010rcn] **Gustavsson, Bengt**, **Nils O. Andersson**, **Elisabeth Bouchaud**, **Sandra Chapman**, **Johan Ellis**, **Hans Hertz** and **Emanuele Rimini**. *Basic Physics Research in Norway — An evaluation.* The Research Council of Norway, 2010. ISBN: 978-82-12-02752-7.

[safargaleev2010possibility] **Safargaleev, VV**, **DN Shibaeva**, **TI Sergienko** and **IA Kornilov**. *On the possibility of coupling satellite and ground-based optical measurements in the region of pulsating auroras. Geomagnetism and Aeronomy*, 50(7):873–879, 2010.

[dahlgren2009jastp] **Dahlgren, Hanna**, **Nickolay Ivchenko**, **Betty Lanchester**, **Mina Ashrafi**, **Daniel Whiter**, **Göran Marklund** and **Joanna Sullivan**. *First direct optical observations of plasma flows in the metastable O^+ ion in discrete aurora. J. Atmos. Solar and Terr. Phys.*, 71:228–238, February 2009.

[engwall2009anngeo] **Engwall, E.**, **AI Eriksson**, **CM Cully**, **M. André**, **PA Puhl-Quinn**, **H. Vaith** and **R. Torbert**. *Survey of cold ionospheric outflows in the magnetotail. Ann. Geophys.*, 27:3185–3201, 2009.

[gustavsson2009rs] **Gustavsson, B.** and **T. Grydeland**. *Orthogonal-polarization alternating codes. Radio Sci.*, 2009. Submitted, MS number: 2008RS004132.

[gustavsson2009grl] **Gustavsson, B.**, **R. Newsome**, **T. B. Leyser**, **M. J. Kosch**, **L. Norin**, **M. McCarrick**, **T. Pedersen** and **B. J. Watkins**. *First Observations of X-mode Suppression of O-mode HF Enhancements at 6300 å. Geophys. Res. Lett.*, 2009. Submitted, MS number: 2009GL037226.

[lanchester2009anngeo] **Lanchester, B. S.**, **M. Ashrafi** and **N. Ivchenko**. *Simultaneous imaging of aurora on small scale in OI (777.4 nm) and N 2 1P to estimate energy and flux of precipitation. Ann. Geophys.*, 27:2881–2891, 2009.

[newell2009jgr] **Newell, P. T.**, **T. Sotirelis** and **S. Wing**. *Diffuse, monoenergetic, and broadband aurora: The global precipitation budget. J. Geophys. Res.*, 114(A09207), 2009. doi:10.1029/2009JA014326.

[pellinen2009solar] **Pellinen-Wannberg, A.**, **E. Murad**, **N. Brosch**, **I. Häggström** and **T. Khayrov**. *The solar cycle effect on the atmosphere as a scintillator for meteor observations. Proceedings of the International Astronomical Union*, 5(S263):249–252, 2009.

[niescja2009jastp] **Turner, Niescja E.**, **W. Douglas Cramer**, **Susan K. Earles** and **Barbara A. Emery**. *Geoefficiency and energy partitioning in CIR-driven and CME-driven storms. J. Atmos. Solar and Terr. Phys.*, 71(10–11):1023–1031, July 2009.

[turunen2009jastp] **Turunen, E.**, **P.T. Verronen**, **A. Seppälä**, **C.J. Rodger**, **M.A. Clilverd**, **J. Tamminen**, **C.F. Enell** and **T. Ulich**. *Impact of different energies of precipitating particles on NOx generation in the middle and upper atmosphere during geomagnetic storms. J. Atmos. Solar and Terr. Phys.*, 71(10-11):1176–1189, 2009.

[afraimovich2008anngeo] **Afraimovich, EL**, **EI Astafyeva**, **AV Oinats**, **Y.V. Yasukevich** and **IV Zhivetiev**. *Global electron content: a new conception to track solar activity. Ann. Geophys.*, 26:335–344, 2008.

[belova2008grl] **Belova, E.**, **M. Smirnova**, **M. T. Rietveld**, **B. Isham**, **S. Kirkwood** and **T. Sergienko**. *First observation of the overshoot effect for polar mesosphere winter echoes during radiowave electron temperature modulation. Geophys. Res. Lett.*, 35, 2008. doi:10.1029/2007GL032457. L03110.

[chernouss2008anngeo] **Chernouss, S.** and **I. Sandahl**. *Comparison and significance of auroral studies during the swedish and russian bilateral expedition to spitsbergen in 1899-1900. Ann. Geophys.*, 26, 2008.

[dahlgren2008anngeo] **Dahlgren, H.**, **N. Ivchenko**, **J. Sullivan**, **B. S. Lanchester**, **G. Marklund** and **D. Whiter**. *Morphology and dynamics of aurora at fine scale: First resúlts from the ask instrument. Ann. Geophys.*, 26(5):1041–1048, 2008.

[griffin2008ag] **Griffin, EM**, **AL Aruliah**, **I. McWhirter**, **HCI Yiu**, **A. Charalambous** and **I. McCrea**. *Upper thermospheric neutral wind and temperature measurements from an extended spatial field. Ann. Geophys.*, 26:2649–2655, 2008.

[gustavsson2008jgr:b] **Gustavsson, B.** and **B. Eliasson**. *Hf radio wave acceleration of ionospheric electrons: Analysis of hf-induced optical enhancements. J. Geophys. Res.*, 113:A08319, 2008. doi:10.1029/2007JA012913.

[gustavsson2008anngeo] **Gustavsson, B.**, **M. Kosch**, **A. Wong**, **T. Pedersen**, **C. Heinselman**, **C. Mutiso**, **B. Bristow**, **J. Hughes** and **W. Wang**. *First estimates of volume distribution of hf-pump enhanced emissions at 6300 and 5577 Å: a comparison between observations and theory. Annales Geophysicae*, 26(12):3999–4012, 2008. ISSN 0992-7689.

[gustavsson2008jgr:c] **Gustavsson, B.**, **J. Lunde** and **E. M. Blixt**. *Optical observations of flickering aurora and its spatio-temporal characteristics. J. Geophys. Res.*, 113:A12317, December 2008. doi:10.1029/2008JA013515.

[hecht2008jgr] **Hecht, JH**, **T. Mulligan**, **DJ Strickland**, **AJ Kochenash**, **Y. Murayama**, **YM Tanaka**, **DS Evans**, **MG Conde**, **EF Donovan**, **FJ Rich et al.** *Satellite and ground-based observations of auroral energy deposition and the effects on thermospheric composition during large geomagnetic storms: 1. Great geomagnetic storm of 20 November 2003. J. Geophys. Res.*, 113(A1), 2008.

[kero2008ag] **Kero, J.**, **C. Szasz**, **A. Pellinen-Wannberg**, **G. Wannberg**, **A. Westman** and **D. D. Meisel**. *Determination of meteoroid physical properties from tristatic radar observations. Ann. Geophys.*, 2008.

[kero2008irf] **Kero, Johan**. *High-resolution meteor exploration with tristatic radar methods.* Ph.D. thesis, Swedish Institute of Space Physics, Kiruna, 2008.

[kirillov2008ag] **Kirillov, AS**. *Electronically excited molecular nitrogen and molecular oxygen in the high-latitude upper atmosphere. Ann. Geophys.*, 26:1159–1169, 2008.

[ogawa2008jgr] **Ogawa, Y.**, **K. Seki**, **M. Hirahara**, **K. Asamura**, **T. Sakanoi**, **S. C. Buchert**, **Y. Ebihara**, **Y. Obuchi**, **A. Yamazaki**, **I. Sandahl**, **S. Nozawa** and **R. Fujii**. *Coordinated EISCAT Svalbard radar and Reimei satellite observations of ion upflows and suprathermal ions. J. Geophys. Res.*, 113(A05306), 2008. doi:10.1029/2007JA012791.

[sandahl2008anngeo] **Sandahl, I**, editor. *Atmospheric Studies by Optical Methods.* 2008. Special issue 1039–1169.

[semeter2008jgr] **Semeter, J.**, **M. Zettergren**, **M. Diaz** and **S. Mende**. *Wave dispersion and the discrete aurora: New constraints derived from high-speed imagery. J. Geophys. Res.*, A113:12208, 2008. doi:10.1029/2008JA013122.

[sigernes2008oexp] **Sigernes, Fred**, **Jeffrey Morgan Holmes**, **Margit Dyrland**, **Dag Arne Lorentzen**, **Trond Svenøe**, **Karsten Heia**, **Takehiko Aso**, **Sergey Chernouss** and **Charles Sterling Deehr**. *Sensitivity calibration of digital colour cameras for auroral imaging. Optics Express*, 16(20):15623–15632, September 2008.

[safargaleev2008anngeo] **V., Safargaleev**, **A. Kozlovsky**, **Sergienko T.**, **Yeoman T. K.**, **Uspensky M.**, **Wright D. M.**, **Nilsson H.**, **Turunen T.** and **Kotikov A**. *Optical, radar and magnetic observations of the magnetosheath plasma capturing during a positive impulse in imf bz-component. Ann. Geophys.*, 26:517–531, 2008.

[budding2007cam] **Budding, Edwin** and **Osman Demircan**. *Introduction to Astronomical Photometry.* Cambridge University Press, 2007. ISBN 978-0-521-84711-7.

[donovan2007asr] **Donovan, E.**, **T. Trondsen**, **J. Spann**, **W. Liu**, **E. Spanswick**, **M. Lester**, **C.Y. Tu**, **A. Ridley**, **M. Henderson**, **T. Immel et al.** *Global auroral imaging in the ILWS era. Adv. Space Res.*, 40(3):409–418, 2007.

[partamies2007cjp] **Partamies, N.**, **M. Syrjasuo** and **E. Donovan**. *Using colour in auroral imaging. Canad. J. Phys.*, 85(2):101–109, 2007.

[sandahl2007kss] **Sandahl, I.** *Kunskapsarena Norrland under 50 år*, chapter Rymden. Kungl. Skytteanska Samfundet, 2007. Http://www.skytteanskasamfundet.se.

[sigernes2007jopt] **Sigernes, F.**, **J. M. Holmes**, **M. Dyrland**, **D. A. Lorentzen**, **S. A. Chernous**, **T. Svenøe**, **J. Moen** and **C. S. Deehr**. *Absolute calibration of optical devices with a small field of view. Journal of Optical Technology*, 74(10):669–674, 2007.

[blagoveshchenskaya2006asr] **Blagoveshchenskaya, N. F.**, **V. A. Kornienko**, **T. D. Borisova**, **M. T. Rietveld**, **T. Bösinger**, **B. Thidé**, **T. B. Leyser** and **A. Brekke**. *Heater-induced phenomena in a coupled ionosphere-magnetosphere system. Adv. Space Res.*, 38:2495–2502, 2006. doi:10.1016/j.asr.2004.12.047.

[howell2006cam] **Howell, Steve B.** *Handbook of CCD Astronomy.* Cambridge University Press, 2006. ISBN 0-521-61762-6.

[kozlovsky2005grl] **Kozlovsky, A.**, **Hans Nilsson**, **Tima Sergienko**, **A. T. Aikio**, **V. Safargaleev**, **Tauno Turunen** and **Kirsti Kauristie**. *On the field-aligned currents in the vicinity of pre-noon auroral arcs. Geophys. Res. Lett.*, 32(18):L18104, 2005. doi:10.1029/2005GL023120.

[nilsson2005anngeo] **Nilsson, Hans**, **A. Kozlovsky**, **Tima Sergienko** and **A. Kotikov**. *Radar observations in the vicinity of pre-noon auroral arcs. Ann. Geophys.*, 23:1785–1796, 2005.

[safargaleev2005anngeo] **Safargaleev, Vladimir**, **Tima Sergienko**, **Hans Nilsson**, **A. Kozlovsky**, **S. Massetti**, **S. Osipenko** and **A. Kotikov**. *Combined optical, eiscat and magnetic observations of the omega bands/ps6 pulsations and an auroral torch in the late morning hours: a case study. Ann. Geophys.*, 23:1821–1838, 2005.

[dussault2004spie] **Dussault, D.** and **P. Hoess**. *Noise performance comparison of ICCD with CCD and EMCCD cameras.* In *Proceedings of SPIE*, volume 5563, page 195. 2004. doi:10.1117/12.561839.

[gustavsson2001asr] **Gustavsson, B.**, **T. Sergienko**, **I. Häggström** and **F. Honary**. *Simulation of high energy tail of electron distribution function. Adv. Polar Upper Atmos. Res.*, 18(18):1–9, August 2004.

[enell2003sgp] **Enell, Carl-Fredrik**, **Kerstin Stebel**, **Thomas Wagner**, **Klaus Pfeilsticker** and **Ulrich Platt**. *Detecting polar stratospheric clouds with zenith-looking photometers. Sodankylä Geophysical publication series*, 92:55–59, 2003.

[raspopov2003eostr] **Raspopov, Oleg M.**, **Valentin A. Dergachev** and **Elena G. Goos'kova**. *Ezekiel's vision: visual evidence of Sterno-Etrussia geomagnetic excursion? EOS, Transactions, American Geophysical Union*, 84(9):77, March 2003.

[bowen2002absolute] **Bowen, H.S.** *Absolute radiometric calibration of the ikonos sensor using radiometrically characterized stellar sources. INTERNATIONAL ARCHIVES OF PHOTOGRAMMETRY REMOTE SENSING AND SPATIAL INFORMATION SCIENCES*, 34(1):7–13, 2002.

[enell2002irf] **Enell, Carl-Fredrik**. *Optical studies of polar stratospheric clouds and related phenomena.* Ph.D. thesis, Swedish Institute of Space Physics, Kiruna, Sweden, October 2002. (IRF Scientific Report 278), ISBN: 91-7305-307-4.

[kosch2002grl] **Kosch, M. J.**, **M. T. Rietveld**, **A. J. Kavanagh**, **C. Davis**, **T. Yeoman**, **F. Honary** and **T. Hagfors**. *High-latitude pump-induced optical emissions for frequencies close to th third electron gyro-harmonic. Geophys. Res. Lett.*, 29(23):27–1–274, 2002.

KEY: kosch2002grl
ANNOTATION: 6300 enhancements and cutlass backscatter are at minimum close to the 3rd gyro-harmonic

[siscoe2002eostr] **Siscoe, George L.**, **Samule M. Silverman** and **Keith D. Siebert**. *Ezekiel and the Northern lights: Biblical aurora seems plausible. EOS, Transactions, American Geophysical Union*, 83(16):173, April 2002.

[blagoveshchenskaya2001jgr] **Blagoveshchenskaya, N. F.**, **V. A. Kornienko**, **T. D. Borisova**, **B. Thide**, **M. J. Kosch**, **M. T. Rietveld**, **E.V. Mishin**, **RY Luk'yanova** and **OA Troshichev**. *Ionospheric HF pump wave triggering of local auroral activation (Paper 2001JA900002). J. Geophys. Res.*, A106(12):29071–29090, 2001.

[enell2000misu] **Enell, Carl-Fredrik**, **Björn Gustavsson**, , **Åke Steen** and **Kenneth S. Carslaw**. *Characterisation and altitude determination of stratospheric clouds - model studies*. In *Proceedings of the 27th Annual European Meeting on Atmospheric Studies by Optical Methods*, MISU Report series. Meteorological institution, Stockholm university, Sweden, 2001.

[galand2001jgr] **Galand, Marina**. *Special section: Proton precipitation into the atmosphere. J. Geophys. Res.*, 106(A1):1–178, January 2001.

[galperin2001jastp] **Galperin, Yu. I.** *Multiple scales in auroral plasmas. J. Atmos. Solar and Terr. Phys.*, 64:211–229, 2001.

[mcneil2001jgr] **McNeil, William J.**, **Rainer A. Dressler** and **Edmond Murad**. *Impact of a major meteor storm on earth's ionosphere: A modeling study. J. Geophys. Res.*, 106(A6):10447–10465, June 2001.

[makinen2001hut] **Mäkinen, Sanna**. *All-sky camera calibration*. Master's thesis, Helsinki University of Technology, 2001. (now Aalto University).

[pedersen2001rs] **Pedersen** and **Carlson**. *First observations of HF heater-produced airglow at the High Frequency Active Auroral Research Program facility: Thermal excitation and spatial structuring. Radio Sci.*, 36(5):1013–1026, 2001.

[rydesaeter2001ist] **Rydesäter, P.** and **B. Gustavsson**. *Investigation of smooth basis functions and an approximated projection algorithm for faster tomography. Int. J. Imaging Syst. Technol.*, 11:347–354, 2001.

KEY: rydesaeter2001ist
ANNOTATION: Dot projection, smooth base fcn approx by image filtering

[rydesaeter2001aktfou] **Rydesäter, Peter**. *Norrsken kartläggs med optiska mätmetoder. Aktuell Forskning & Utveckling*, 4:66–70, 2001.

[rydesaeter2001umu] **Rydesäter, Peter**. *Processing of multi-station auroral image data*. Lic. thesis, Applied Physics and Electronics, Umeå University, Umeå, Sweden, November 2001. ISBN: 91-7305-149-7.

[sandahl2001nfrar] **Sandahl, Ingrid**. *På världens största bildskärm*. In *Med färg i blicken*, pages 7–18. Naturvetenskapliga forskningsrådets årsbok, 2001.

[syrjaesuo2001fmi] **Syrjäsuo, Mikko T.** *Auroral monitoring network: From all-sky camera system to automated image analysis*. (D.Sc.(Tech.)-thesis), Finnish Meteorological Institute, Helsinki, Finland, November 2001. Contribution series 32, ISBN: 951-697-551-8.

[andersson2000irf] **Andersson, Laila**. *Acceleration processes in auroral region*. Ph.D. thesis, Swedish Institute of Space Physics, November 2000. (IRF Scientific Report 270 ISBN: 91-7191-914-7).

[gustavsson2000irf] **Gustavsson, Björn**. *Three Dimensional Imaging of Aurora and Airglow,*. Ph.D. thesis, Swedish Institute of Space Physics, Kiruna, Sweden, September 2000. (IRF Scientific Report 267), ISBN: 91-7191-878-7.

[kaila2000pce] **Kaila, Kari U.** and **Hannu J. Holma**. *Absolute calibration of photometer. Phys. Chem. Earth*, B(25)(5–6):467–470, 2000.

[kosch2000pce] **Kosch, M. J.**, **T. Rietveld, M.**, **Steen Å** and **T. Hagfors**. *HF-Induced Airglow: Double Patches. Phys. Chem. Earth*, 25(5-6):475–581, 2000.

[kosch2000grl] **Kosch, M. J.**, **T. Rietveld, M.**, **T. Hagfors** and **T. B. Leyser**. *High-latitude HF-induced airglow displaced equatorward of the pump beam. Geophys. Res. Lett.*, 27(17):2817–2820, September 2000.

[lauche2000pce] **Lauche, H.** and **O. Widell**. *Intercalibration of low light level sources. Phys. Chem. Earth*, B25(5–6):483–483, 2000.

[spurny2000mps] **Spurny, Pavel**, **Hans Betlem**, **Klaas Jobse**, **Pavel Koten** and **Jaap van't Leven**. *New type of bright Leonid meteors above 130 km. Meteorit. Planet. Sci.*, 35:1109–1115, 2000.

[strickland2000jgr] **Strickland, D. J.**, **J. H. Hecht**, **A. B. Christensen** and **D. J. McEwen**. *Thermospheric disturbance recorded by photometers on-board the ARIA II rocket. J. Geophys. Res.*, 2000. In press.

[djuth1999grl] **Djuth, F. T:**, **P. A. Bernhardt**, **C. A. Tepley**, **J. A. Gardner**, **M. C. Keley**, **A. L. Broadfoot**, **L. M. Kagan**, **M. P. Sulzer**, **J. H. Elder**, **C. Selcher**, **B. Isham**, **C. Brown** and **H. C. Carlson**. *Large airglow enhancements produced via wave-plasma interactions in sporadic E. Geophys. Res. Lett.*, 26(11):1557–1560, June 1999.

[ejiri1999asr] **Ejiri, M.**, **T. Aso**, **M. Okada**, **M. Tsutsumi**, **M. Taguchi**, **N. Sato** and **S. Okano**. *Japanese research project on Arctic and Antarctic observations of the middle atmosphere. Adv. Space Res.*, 24(12):1689–1692, 1999.

[enell1999anngeo] **Enell, Carl-Fredrik**, **Åke Steen**, **Thomas Wagner**, **Udo Frieß**, **Klaus Pfeilsticker**, **Ulrich Platt** and **K-H Fricke**. *Occurrence of polar stratospheric clouds at Kiruna. Ann. Geophys.*, 17:1457–1462, 1999.

[gardner1999jatp] **Gardner, J. A.**, **A. L. Broadfoot**, **W. J. McNeil**, **S. T. Lai** and **E. Murad**. *Analysis of the GLO-1 observations of meteoric metals in the thermosphere. J. Atmos. Terr. Phys.*, 61:545–562, 1999.

[hecht1999jgr] **Hecht, J. H.**, **A. B. Christensen**, **D. J. Strickland**, **T. Majeed**, **R. L. Gattinger** and **A. Vallance Jones**. *A comparison between auroral particle characteristics and atmospheric composition inferred from analysing optical emission measurements alone and in combination with incoherent scatter radar measurements. J. Geophys. Res.*, 104(A1):33–44, January 1999.

[hoffner1999jgr] **Höffner, Josef** and **Ulf von Zahn**. *The 1996 Leonid shower as studied with a potassium lidar: Observations and inferred meteoroid sizes. J. Geophys. Res.*, 104(A2):2633–2643, February 1999.

[mcnaught1999mps] **McNaught, R. H.** and **D. J. Asher**. *Variation of Leonid maximum times with location of observer. Meteorit. Planet. Sci.*, 34:975–978, 1999.

[fitsstd1999nasa] NASA/Science Office of Standards and Technology, Code 633.2, NASA Goddard Space Flight Center, Greenbelt MD, USA. *Definition of the Flexible Image Transport System (FITS)*, March 1999. NOST 100-2.0, http://fits.gsfc.nasa.gov/fits_documentation.html.

[rees1999asr] **Rees, D.**, **U. von Zahn**, **G. von Cossart**, **K.-H. Fricke**, **W. Eriksen** and **J. A. McKay**. *Daytime LIDAR measurements of the stratosphere and mesosphere at the ALOMAR observatory. Adv. Space Res.*, 1999. Proc. COSPAR meeting, Nagoya, July 1998, accepted.

[steen1999iaags:b] **Steen, Åke** and **Jan Englund**. *KEOPS — a new optical facility in the Kiruna region.* In *XXV annual European Meeting on Atmospheric Studies by Optical Methods*, pages 100–104. Instituto de Astrofísica de Andalucia, Granada, Spain, 1999.

[vonzahn1999mps] **von Zahn, U.**, **M. Gerding**, **J. Höffner**, **W. J. Mc Neil** and **E. Murad**. *Fe, Ca and K atom densities in the trails of Leonids and other meteors: Strong evidence of differential ablation. Meteorit. Planet. Sci.*, 34(6):1017–1027, 1999.

[boreman1998spie] **Boreman, Glenn D.** *Basic Electro-Optics for Electrical Engineers*, volume 31 of *Tutorial Texts in Optical Engineering*. The International Society for Optical Engineering, March 1998. (ISBN: 0-8194-2806-X).

[ejiri1998iaags] **Ejiri, M.**, **M. Okada**, **M. Tsutsumi**, **M. Taguchi** and **S. Okano**. *All sky imager observation of aurora and airglow at south pole station : Initial results.* In *Proceedings of the 25th annual European Meeting on Atmospheric Studies by Optical Methods, Granada, Spain*, pages 54–57. 1998.

[enell1998ec] **Enell, Carl-Fredrik**, **Cornelius Otten**, **Ulrich Platt**, **Åke Steen**, **Thomas Wagner** and **Klaus Pfeilsticker**. *O3, NO2, OClO, and BrO stratospheric column amount measurements at Kiruna/Sweden in the Arctic winter 1996/97.* In *Proceedings of the 4th European Symposium on Stratospheric Ozone*, volume Air pollution research report 66, pages 431–434. European Comission, 1998.

[gustavsson1998jgr] **Gustavsson, Björn**. *Tomographic inversion for ALIS noise and resolution. J. Geophys. Res.*, 103(A11):26,621–26,632, November 1998.

[holst1998spie] **Holst, Gerald C.** *CCD arrays, cameras and displays.* The International Society for Optical Engineering, second edition, 1998. ISBN: 0-8194-2853-1.

[mcneil1998asr] **McNeil, William J.**, **Shu T. Lai** and **Edmond Murad**. *Models of thermospheric sodium, calcium and magnesium at the magnetic equator. Adv. Space Res.*, 21(6):863–866, 1998.

[onda1998pnipr] **Onda, K.**, **M. Ejiri**, **Y. Itikawa** and **H. Miyaoka**. *Altitude profile of electron density and oxygen green lines in active auroral arcs based on electron differential number flux observed by sounding rocket. Proc. NIPR Symp Upper Atmos. Phys.*, 11(37), 1998.

[steen1998] **Steen, Åke**. *Application for equipment to an optical calibration facility in kiruna.* Funding application to Forskningsrådsnämnden (FRN), May 1998. (partly in Swedish, IRF Dnr 238-150/98).

[trondsen1998uit] **Trondsen, Trond S.** *High spatial and temporal resolution auroral imaging.* Ph.D. thesis, University of Tromsø, November 1998.

[wolfe1998spie] **Wolfe, William L.** *Introduction to Radiometry*, volume TT29. The International Society for Optical Engineering, 1998.

[enell1997bst] **Enell, C.-F.**, **Å. Steen**, **K. Pfeilsticker**, **T. Wagner**, **C. Otten** and **U. Platt**. *UV/visible DOAS stratospheric trace gas measurements at kiruna in the arctic winter 1996-97.* In *Proceedings of the 24th Annual European meeting on Atmospheric Studies by Optical Methods.* Sentraltrykkeriet A/S Bodø, 1997.

[gurevich1997jgr] **Gurevich, A. V.** and **G. M. Milikh**. *Artificial airglow due to modifications of the ionosphere by powerful radio waves. J. Geophys. Res.*, 102:389–394, 1997.

[kinser1997eann] **Kinser, Jason M.** and **Thomas Lindblad**. *Detection of microcalcifications by cortical stimulation.* In A.B. Bulsari and S. Kallio, editors, *Proceedings EANN'97 Neural networks in engineering systems*, pages 203–206. 1997. ISBN: 952908667-9.

[klaasen1997oe] **Klaasen, Kenneth P.**, **Michael J. S. Belton**, **H. Herbert Breneman**, **Alfred S. McEwen**, **Merton E. Davies**, **Robert J. Sullivan**, **Clark R. Chapman**, **Gerhard Neukum**, **Catherine M. Hefferman**, **Ann P. Harch**, **James M. Kaufman**, **William J. Merline**, **Lisa R. Gaddis**, **. Cunningham William F**, **Paul Helfenstein** and **Timothy R. Colvin**. *Inflight performance characteristics, calibration and utilization of the Galileo solid-state imaging camera. Optical Engineering*, 36(11):3001–3027, November 1997. (ISBN: 0-471-86188-X).

[labsphere1997] Labsphere. *A guide to integrating sphere theory and applications*, 1997.

[mcwhirter1997unpub] **McWhirter, Ian**. *Calculating the sensitivity of optical instrumentation for atmospheric emission study*, August 1997. I.McW 24.8.97.

[okano1998bst] **Okano, S.**, **S. Takeshita** and **M. Taguchi**. *Absolute calibration system at NIPR for aurora/airglow measurements using an 1.9 m integrating sphere.* In *Proceedings of the 24th annual European Meeting on Atmospheric Studies by Optical Methods*. Sentraltrykkeriet A/S Bodø, August 1997. ISBN: 82-994583-0-7.

[rees1997bst] **Rees, D.**, **R. W. Smith**, **F. Sigernes**, **K. Henriksen**, **Urban Brändström**, **W. B. Wickwar**, **N. D. Lloyd** and **M. Harris**. *Observations of thermospheric wind patterns in the vicinity of the polar cusp from a doppler imaging system.* In *Proceedings of the 24th annual European Meeting on Atmospheric Studies by Optical Methods*. Sentraltrykkeriet A/S Bodø, August 1997. ISBN: 82-994583-0-7.

[sergienko1997jatp] **Sergienko, T.**, **I Kornilov**, **E. Belova**, **T Turunen** and **J. Manninen**. *Optical effects in the aurora caused by ionospheric HF heating. J. Atmos. Terr. Phys.*, 59(18):2401–2407, 1997.

[strickland1997jgr] **Strickland, D. J.**, **T. Majeed**, **A. B. Christensen** and **J. H. Hecht**. *Remote sensing of atomic oxygen in auroral rocket experiments usin topside zenith viewing O/N_2 brightness ratios. J. Geophys. Res.*, 102(A2):2475–2482, February 1997.

[syrjaesuo1997bst] **Syrjäsuo, Mikko**. *New Finnish all-sky cameras.* In *Proceedings of the 24th annual European meeting on atmospheric studies by optical methods*, pages 247–251. Sentraltrykkeriet A/S Bodø, August 1997. ISBN: 82-994583-0-7.

[frey1996jgr] **Frey, S.**, **H. U. Frey**, **D. J. Carr**, **Os. H. Bauer** and **G Haerendel**. *Auroral emission profiles extracted from three-dimensionally reconstructed arcs. J. Geophys. Res.*, 101(A10):21731–21741, 1996.

[mantas1996jgr] **Mantas, G. P.** and **H. C. Carlson**. *Reinterpretation of the 6300 Å airglow enhancements observed in the ionosphere heating experiments based on analysis of Platteville Colorado. J. Geophys. Res.*, 101(A1):195–209, January 1996.

[mantas1996jgr:b] **Mantas, George P.** and **Herbert C. Carlson**. *Reinterpretation of the 6300-å airglow enhancements observed in ionosphere heating experiments based on analysis of Platteville, Colorado, data. J. Geophys. Res.*, 101(A1):195–209, January 1996.

[newell1996nat] **Newell, P. T.**, **C-I Meng** and **K. M. Lyons**. *Supression of discrete arorae by sunlight. Nature*, 381:766–767, 1996.

[rees1996jatp] **Rees, D.**, **M. Vyssogorets**, **N. P. Meredith**, **E. Griffin** and **Y. Chaxell**. *The doppler wind and temperature system for the ALOMAR observatory: Design and initial results. J. Atmos. Terr. Phys.*, 58(16):1827–1842, 1996.

[syrjaesuo1996hut] **Syrjäsuo, Mikko T.** *All-Sky Camera.* (master's-thesis), Helsinki Univ. of Technology, 1996.

[tolbert1996sci] **Tolbert, M. A.** *Polar clouds and sulfate aerosols. Science*, 272:1597, 1996.

[chamberlain1995agu] **Chamberlain, Joseph W.** *Physics of the aurora and airglow.* Classics in geophysics. AGU (American Geophysical Union), 1995. (A reprint of the original work from 1961).

[mcneil1995jgr] **McNeil, William J.**, **Edmond Murad** and **Shu T. Lai**. *Comprehensive model for the atmospheric sodium layer. J. Geophys. Res.*, 100(D8):16847–16855, August 1995.

[theuwissen1995kluwer] **Theuwissen, Albert J. P.** *Solid-state imaging with charge-coupled devices*, volume 1 of *Solid-state scenece and technology library.* Kluwer, 1995.

[aso1994tiece] **Aso, T.**, **M. Ejiri**, **H. Miyaoka**, **T. Ono**, **Y Tetsuro**, **K. Muguruma**, **T. Hashimoto** and **M. Abe**. *Aurora stereo observation in Iceland and its tomography analysis. Trans. Inst. Electronics Communication Engineers*, J77-DII(1):69–78, 1994. (in Japanese).

[mantas1994jgr] **Mantas, G. P.** *Large 6300 Å airglow intensity enhancements observed in ionosphere heating experiments are excited by thermal electrons. J. Geophys. Res.*, 99:8993, 1994.

[mcdade1994cjp] **McDade, I. C.** and **E. J. Llewellyn**. *Satellite airglow limb tomography: Methods for recovering structured emission rates in the mesospheric airglow layer. Canad. J. Phys.*, 71:552–563, 1994.

[nilsson1994irf] **Nilsson, Lars**. *OPERA operations program for ALIS version 1.0.* Internal Note 024, Swedish Institute of Space Physics, Kiruna, Sweden, January 1994.

[simpson1994rfc] **Simpson, W.** *The point-to-point protocol (ppp). Request For Comments: 1661*, July 1994. Ftp://ftp.rfc-editor.org/in-notes/rfc1661.txt.

[strickland1989jgr] **Strickland, D. J.**, **R. R. Meier**, **J. H. Hecht** and **A. B. Christensen**. *Deducing composition and incident electron spectra from ground-based auroral optical measurements: theory and results. J. Geophys. Res.*, 94(A10):13527–13539, October 1994.

[aso1993nipr] **Aso, T.**, **M. Ejiri**, **H. Miyaoka**, **T. Ono**, **T. Hashimoto**, **T. Yabu** and **M. Abe**. *Aurora stereo observations in Iceland.* In *Proc. NIPR Symposium on Upper Atmos. Phys.*, volume 6, pages 1–14. National Institute of Polar Research, 1993.

[lance1993usafgl] **Lance, Cyril** and **R. H. Eather**. *High frequency active auroral research program (HAARP) imager.* Technical report, Air Force Geophysics laboratory, USAF, Hanscom AFB, Massachusetts USA, 1993. PL-TR-93-2219.

[love1993sci] **Love, S. G.** and **D. E. Brownlee**. *A direct measurement of the terrestial mass accretion rate of cosmic dust. Science*, 262:550–553, 1993.

[mcwhirter1993ucl] **McWhirter, Ian**. *Imaging photon detectors and their use with single and multiple Fabry-Perot etalon systems for atmospheric wind measurements.* Ph.D. thesis, University College London, London, July 1993.

[rietveld1993jatp] **Rietveld, M. T.**, **H. Kohl**, **H. Kopka** and **P. Stubbe**. *Introduction to ionospheric heating at Tromsø —I. Experimental overview. J. Atmos. Terr. Phys.*, 55(4):577–599, 1993.

[steen1993irf] **Steen, Åke**, editor. *Auroral Tomography workshop proceedings*, IRF Scientific Report 213. Swedish Institute of Space Physics, 1993. ISSN 0284-1703.

[strickland1993jgr] **Strickland, D. J.**, **R. E. Daniel, Jr.**, **J. R. Jasperse** and **B. Basu**. *Transport-theoretic model for the electron-proton-hydrogen atom aurora 2. model results. J. Geophys. Res.*, 98(A12):21533–21548, December 1993.

[vaattovaara1993irf] **Vaattovaara, Mika** and **Johan Enback**. *Development of a calibration system using a monochromator and an APD.* Internal Note 023, Swedish Institute of Space Physics, November 1993.

[wannberg1993jatp] **Wannberg, G.** *The G2-system and general purpose alternating code experiments for EISCAT. J. Atmos. Terr. Phys.*, 55:543–557, 1993.

[carlson1992eostr] **Carlson, C. W.** *The Fast Auroral SnapshoT explorer. EOS, Transactions, American Geophysical Union*, 73(3), June 1992.

[conde1992jgr] **Conde, M. P.**, **P. Greet** and **F. Jacka**. *The Ring effect in the sodium D2 Fraunhofer line of day skylight over Mawson, Antarctica. J. Geophys. Res.*, 97:11561–11565, 1992.

[dressler1992jcp] **Dressler, Rainer A.**, **James A. Gardener**, **Richard H. Salter** and **Edmond Murad**. *Luminescence measurements of* $Ar^+ + H_2O$ *and* $N_2^+ + H_2O$ *suprathermal charge transfer collisions: Product state distribution from* $H_2O^+ \tilde{A}^2A_1 - \tilde{X}^2B_1$ *analysis. J. Chem. Phys.*, 96(2):1062–1076, January 1992.

[gustafsson1992jatp] **Gustafsson, G.**, **N. E. Papitashvili** and **V. O. Papitashvili**. *A revised corrected geomagnetic coordinate system for epochs 1985 and 1990. J. Atmos. Terr. Phys.*, 54:1609–1631, 1992.

[gustavsson1992irf] **Gustavsson, Björn**. *A study of feasible tomographic inversion techniques for ALIS.* Technical Report 039, Swedish Institute of Space Physics, Kiruna, Sweden, April 1992. ISSN 0284-1738.

[ivanov1992] **Ivanov, V. E.** and **T. I. Sergienko**. *Interaction of the auroral electrons with the atmospheric gases. (the Monte-Carlo modelling)*, 1992. Nakua, St. Petersburg, 1992.

[mills1992rfc] **Mills, David L.** *Network time protocol (version 3) specification, implementation and analysis.* Request for Comments: 1305, March 1992. Ftp://ftp.rfc-editor.org/in-notes/rfc1305.txt.

[nilsson1992irf] **Nilsson, Lars** and **Birger Nyström**. *OPERA operations program for ALIS version 1.0.* IRF Tech. Rep. 037, Swedish Institute of Space Physics, Kiruna, Sweden, January 1992. ISSN 0284-1738.

[torneus1992irf] **Tornéus, Anders**. *GOSSIP a general information panel for ALIS.* IRF Tech. Rep. 040, Swedish Institute of Space Physics, Kiruna, Sweden, May 1992. ISSN 0284-1738.

[bernhardt1991grl] **Bernhardt, P. A.**, **W. A. Scales**, **S. M. Grach**, **A. N. Keroshtin**, **D. S. Kotik** and **S. V. Polyakov**. *Excitation of artificial airglow by high power radio waves from the SURA ionospheric heating facility. Geophys. Res. Lett.*, 18(8):1477–1480, August 1991.

[hamill1991pt] **Hamill, Patrick** and **Owen Brian Toon**. *Polar stratospheric clouds and the ozone hole. Physics Today*, pages 34–42, December 1991.

[johansson1991irf] **Johansson, Henrik**. *Station software for ALIS.* IRF Tech. Report 036, Swedish Institute of Space Physics, August 1991. ISSN 0284-1738.

[vallancejones1991planet] **Jones, A. R. Vallance**, **R. L. Gattinger**, **F. Creutzberg**, **F. R. Harris**, **A. G. McNamara**, **A. W. Yau**, **E. J. Llewellyn**, **D. Lummerzheim**, **M. H. Rees**, **I. C. McDade** and **J. Margot**. *The ARIES auroral modelling campaign: Characterization and modelling of an evening auroral arc observed from a rocket and a ground-based line of meridian scanners. Planet Space Sci.*, 39(12):1677–1705, 1991.

[leyser1991grl] **Leyser, T. B.** *Parametric interactions between upper hybrid and lower hybrid waves in heating experiments. Geophys. Res. Lett.*, 18:408–411, 1991.

[na1991ist] **Na, H.** and **H. Lee**. *Orthogonal decomposition technique for ionospheric tomography. Int. J. Imaging Syst. Technol.*, 3:354–365, 1991.

[pellinen1991esapd] **Pellinen, Risto** and **Kari Kaila**. *Optical groundbased network*. In *Proc. of the Cluster workshop, Svalbard, Norway 16–19 Sept.*, pages 147–158. European Space Agency Publications Division, December 1991. (ESA SP-330).

[pountain1991byte] **Pountain, Dick**. *The transputer strikes back. Byte*, pages 265–275, August 1991.

[aso1990jgg] **Aso, T.**, **M. Abe Hashimoto**, **T. Ono** and **M. Ejiri**. *On the analysis of aurora stereo observations. J. Geomag. Geoelectr.*, 42(5):579–595, 1990.

[browell1990grl] **Browell, E. V.**, **C. F. Butler**, **S. Ismail**, **P. A. Robinette**, **C. A. N. S. Highdon**, **O. B. Toon**, **M. R. Schoeberl** and **A. F. Tuck**. *Airborne LIDAR observations in wintertime arctic stratosphere: Polar stratospheric clouds. Geophys. Res. Lett.*, 17(4):385–388, 1990.

[bernhardt1989jgr] **Bernhardt, P. A.**, **L. M. Duncan** and **C. A. Tepley**. *Heater induced cavities as optical tracers of plasma drift. J. Geophys. Res.*, 94(A6):7003–7010, June 1989.

[bernhardt1989jgr:b] **Bernhardt, P. A.**, **C. A. Tepley** and **L. M. Duncan**. *Airglow enhancements associated with plasma cavities formed during ionospheric heating experiments. J. Geophys. Res.*, 94(A7):9071–9092, July 1989.

[conde1989anare] **Conde, M.** and **F. Jacka**. *Analysis of day-time observations of the 630 nm thermospheric emission over Mawson, Antarctica. ANARE Res. notes*, 69:125–138, 1989.

[hecht1989jgr] **Hecht, J. H.**, **A. B. Christensen**, **D. J. Strickland** and **R. R. Meier**. *Deducing composition and incident electron spectra from ground-based auroral optical measurements: Variation in oxygen density. J. Geophys. Res.*, 94(A10):13553–13563, October 1989.

[hertel1989spie] **Hertel, R. J.** *Signal and noise properties of proximity focused image tubes*. In G. L. Stradling, editor, *Ultrahigh Speed and High Speed Photography, Photonics and Videography*, volume 1155, pages 332–343. The International Society for Optical Engineering, 1989.

[meier1989jgr] **Meier, R. R.**, **D. J. Strickland**, **J. H. Hecht** and **A. B. Christensen**. *Deducing composition and incident electron spectra from ground-based auroral optical measurements: a study of auroral red line processes. J. Geophys. Res.*, 94(A10):13541–13552, 1989.

[steen1989esa] **Steen, Åke**. *An Auroral Large Imaging System in Northern Scandinavia*. In *Proc. 9th Symposium on European rocket and ballon programmes and related research, Lahnstein, FRG*, pages 299–303. European Space Agency, April 1989. ESA SP-291.

[veklerov1989itmi] **Veklerov, E.** and **J. Llacer**. *Feasible images and practical stopping rules for iterative algorithms im emission tomography. IEEE Trans. Medical Imaging*, 8:186–193, 1989.

[bernhardt1988sci] **Bernhardt, P. A.**, **L. M. Duncan** and **C. A. Tepley**. *Artificial airglow excited by high-power radio wawes. Science*, 242:1022–1027, November 1988.

[poole1988grl] **Poole, L. R.** and **M. P. McCormick**. *Airborne LIDAR observations of Arctic polar stratospheric clouds: Indications of two distinct growth stages. Geophys. Res. Lett.*, 15(1):21–23, 1988.

[solomon1988jgr] **Solomon, S. C.**, **P. B. Hays** and **V. J. Abreu**. *The auroral 6300 Å emisson: Observation and modelling. J. Geophys. Res.*, 93:9867–9882, 1988.

[steen1988rsi] **Steen, Åke**. *An auroral height measuring system designed for real time operation. Rev. Sci. Instrum.*, 1988.

[steen1988irf] **Steen, Åke**. *Investigations of Auroral Dynamics, Techniques and Results*. Ph.D. thesis, Swedish Institute of Space Physics, Kiruna, Sweden, October 1988. (KGI Scientific Report 1994), ISSN 0984-1703.

[steen1988pss] **Steen, Åke** and **P. N. Collis**. *High time-resolution imaging of auroral arc deformation at substorm onset. Planet. Space Sci.*, 36(7):715–732, 1988.

[steen1988jgr] **Steen, Åke**, **P. N. Collis**, **D. Evans**, **G. Kremser**, **S. Capelle**, **D. Rees** and **B. T. Tsurutani**. *Observations of a gradual transition between Ps 6 activity with auroral torches and surgelike pulsations during strong geomagnetic disturbances. J. Geophys. Res.*, 93(A8):8713–8733, 1988.

[steen1988jatp] **Steen, Åke**, **Peter N. Collis** and **Ingemar Häggström**. *On the development of folds in auroral arcs. J. Atmos. Terr. Phys.*, 50:301–313, 1988.

[steen1988pss:b] **Steen, Åke**, **D. Rees** and **P. N. Collis**. *What role does the f-region neutral wind play in auroral intensifications. Planet. Space Sci.*, 36(8):851–868, 1988.

[anger1987grl] **Anger, C. D.**, **S. K. Babey**, **A. Lyle Broadfoot**, **R. G. Brown**, **L. L. Cogger**, **R. Gattinger**, **James W. Haslett**, **R. A. King**, **D. J. McEwen**, **J. S. Murphree**, **E. H. Richardson**, **Bill R. Sandel**, **K. Smith** and **A. Vallance Jones**. *An ultraviolet auroral imager for the Viking spacecraft. Geophys. Res. Lett.*, 14(4):387–390, April 1987.

[janesick1987oe] **Janesick, James R.**, **Tom Elliott**, **Stewart Collins**, **Morley M. Blouke** and **Jack Freeman**. *Scientific charge-coupled devices. Optical Engineering*, 26(8):692–714, August 1987.

[kaila1987pss] **Kaila, K. U.** *An iterative method for calculating the altitudes and positions of auroras along the arc. Planet. Space Sci.*, 35(2):245–258, 1987.

[steen1987kgi] **Steen, Åke**. *The optical laboratory in Kiruna: A new research facility in the auroral zone*. KGI Tech. Report 033, Kiruna Geophysical Institute, Kiruna, Sweden, Kiruna, Sweden, February 1987. ISSN 0349-2672.

[tsyganenko1987sgc] **Tsyganenko, N. A.**, **A. V. Usmanov**, **V. O. Papitashvili**, **N. E. Papitashvili** and **V. A. Popov**. *Software for computations of the geomagnetic field and related coordinate systems*, volume 0. Soviet Geophys. Comm., Moscow, 1987.

KEY: tsyganenko1987sgc
ANNOTATION: 58pp

[crutzen1986nat] **Crutzen, Paul J.** and **F. Arnold**. *Nitric acid cloud formation in the cold Antarctic stratosphere: a major cause for the springtime "ozone hole". Nature*, 324:651–655, 1986.

[hernandez1986cam] **Hernandez, G.** *Fabry-Perot Interferometers.* Cambridge University Press, 1986. ISBN: 0-521-32238-3.

[lauche1986uiop] **Lauche, Hans** and **Wilhelm Barke**. *A calibration photometer for low brightness sources.* In Karl Måseide, editor, *Proceedings of the 13th annual Meeting on Upper Atmosphere Studies by Optical Methods*, 86-28, pages 364–370. University of Oslo, Department of Physics, 1986. ISSN 0332-5571.

[macleod1986macmillan] **Macleod, H. A.** *Thin-film optical filters.* Macmillan, New York, 1986. ISBN: 0-02-948110-4.

[solomon1986nat] **Solomon, S.**, **R. R. Garcia**, **F. S. Rowland** and **D. J. Wuebbles**. *On the depletion of Antarctic ozone. Nature*, 321:755–758, 1986.

[toon1986grl] **Toon, O. B.**, **P. Hamill**, **R. P. Turco** and **J. Pinto**. *Condensation of HNO_3 and HCl in the winter polar stratospheres. Geophys. Res. Lett.*, 13(12):1284–1287, 1986.

[csorba1985hsams] **Csorba, I.** *Image Tubes.* Howard Sams, Indianapolis, Indiana, 1985.

[gurevich1985jatp] **Gurevich, A. V.**, **Ya. S. Dimant**, **G. M. Milikh** and **V. V. Va'skov**. *Multiple acceleration of electrons in the regions of high power radio-wave reflection in the ionosphere. J. Atmos. Terr. Phys.*, 47:1057–1070, 1985.

[hallinan1985jgr] **Hallinan, T. J.**, **H. C. Stenbaek-Nielsen** and **C. S. Deehr**. *Enhanced aurora. J. Geophys. Res.*, 90(A9):8461–8475, September 1985.

[steen1985rsi] **Steen, Åke**. *Intensified photodiode array applied to one-dimensional auroral imaging. Rev. Sci. Instrum.*, 56(1):116–120, 1985.

[henriksen1984anngeo] **Henriksen, K.**, **W. Stoffregen**, **B. Lybekk** and **Å. Steen**. *Photometer and spectrometer search of the oxygen green and red lines during artificial ionospheric heating in the auroral zones. Ann. Geophys.*, 2(1):73–76, 1984.

[solomon1984aopt] **Solomon, S. C.**, **P. B. Hays** and **V. J. Abreu**. *Tomographic inversion of satellite photometry. Applied Optics*, 23:3409–3414, 1984.

[steen1984jatp] **Steen, Åke**, **C. H. Chen**, **J. Murdin** and **G. Wannberg**. *A nonlinear maximum entropy method for spectral estimation applied to inkoherent scatter radar measurements: application to synthetic inkoherent scatter data. J. Atmos. Terr. Phys.*, 46(6/7):613–618, 1984.

[boyd1983jw] **Boyd, Robert W.** *Radiometry and the Detection of Optical Radiation.* John Wiley and Sons, Inc., 1983.

[lauche1983mpialh] **Lauche, Hans**. *Intercalibrations of low-light level sources.* In G. Lange-Hesse and H. Lauche, editors, *Proceedings of the 11th annual European Meeting on Atmospheric Studies by Optical Methods.* 1983.

[torr1983utahcass] **Torr, Marsha R.** *Report on a project to intercalibrate instrumentation used in the observation of visible atmospheric emissions.* Technical report, Utah State University, Center for atmospheric and space sciences, Logan Utah, November 1983.

[carlson1982jatp] **Carlsson, H. C.**, **V. B. Wickwar** and **G. P. Mantas**. *Observations of suprathermal electrons accelerated by HF-excited instabilities. J. Atmos. Terr. Phys.*, 44:1089–1100, 1982.

[eather1982usafgl] **Eather, R. H.** *Low light level imaging design.* Technical report, Air Force Geophysics laboratory, USAF, Hanscom AFB, Massachusetts USA, 1982. AFGL-TR-82-0308.

[stubbe1982jatp] **Stubbe, P.**, **H. Kopka**, **H. Lauche**, **M. T. Rietveld**, **A. Brekke**, **O. Holt**, **T. B. Jones**, **T. Robinson**, **A. Hedberg**, **B. Thidé**, **B. Crochet** and **H. J. Lotz**. *Ionospheric modification experiments in northern Scandinavia. J. Atmos. Terr. Phys.*, 44(12):1025–1041, 1982.

[rees1981jpesi] **Rees, D.**, **I. McWhirter**, **P. B. Hays** and **T. Dines**. *A stable rugged, capacitance-stabilised piezoelectric scanned Fabry-perot etalon. J. Phys. E: Sci. Instrum.*, 14:1320–1325, 1981.

[steen1981pss] **Steen, Åke** and **Georg Gustafsson**. *The spectral hardening associated with the westward travelling surge. Planet. Space Sci.*, 29(9):1011–1017, 1981.

[torr1980utahcass] **Torr, Marsha R.** *Intercalibration of instrumentation used in the observation of atmospheric emissions: A progress report 1976–1979.* Technical Report 100, Utah State University, Center for atmospheric and space sciences, Logan Utah, November 1981.

[torr1981utahcass] **Torr, Marsha R.** and **P. Espy**. *Intercalibration of instrumentation used in the observation of atmospheric emissions: Second progress report.* Technical Report 101, Utah State University, Center for atmospheric and space sciences, Logan Utah, November 1981.

[yau1981jgr] **Yau, Andrew W.**, **Brian A. Whalen** and **D. J. McEwen**. *Rocket-borne measurements of particle pulsation in pulsating aurora. J. Geophys. Res.*, 86(A7):5673–5681, July 1981.

[cocks1980jatp] **Cocks, T. D.**, **D. F. Creighton** and **F. Jacka**. *Application of a dual Fabry-Perot spectrometer for daytime airglow studies. J. Atmos. Terr. Phys.*, 42:499–511, 1980.

[eather1980agu] **Eather, Robert H.** *Majestic lights the aurora in science, history and the arts.* AGU (American Geophysical Union), Washington D.C., 1980. ISBN: 0-87590-215-4.

[stenbaeknielsen1979jgr] **Stenbaek-Nielsen, H. C.** and **T. J. Hallinan**. *Pulsating auroras: Evidence for non-collisional thermalization of precipitating particles. J. Geophys. Res.*, 84(A7):3257–3271, 1979.

[adeishvili1978sjpp] **Adeishvili, T. G.**, **A. V. Gurevich**, **S. B. Lyakhov**, **G. G. Managadze**, **G. M. Milikh** and **I. S. Shlyuger**. *Ionospheric emisson caused by an intense radio wave. Sov. J. Plasma Phys.*, 4(6):721–726, 1978.

[siscoe1978eostr] **Siscoe, George L.** *A historical footnote on the origin of aurora borealis. EOS, Transactions, American Geophysical Union*, 59:994, 1978.

[barmore1977planet] **Barmore, F. E.** *High resolution observations of the 6300 Å oxygen line in the day airglow. Planet Space Sci.*, 25:185–191, 1977.

[mende1977aopt] **Mende, S. B.**, **R. H. Eather** and **E. K. Aamodt**. *Instrument for the monochromatic observation of all sky auroral images. Applied Optics*, 16(6):1691–1700, June 1977.

[torr1977planet] **Torr, M. R.**, **P. B. Hays**, **B. C. Kennedy** and **J. C. G. Walker**. *Intercalibration of airglow observatories with the atmosphere explorer satellite. Planet Space Sci.*, 25(2):173–184, 1977.

[baker1976aopt] **Baker, Doran J.** and **Gerald J. Romick**. *The Rayleigh interpretation of the unit in terms of column emission rate or apparent radiance expressed in SI units. Applied Optics*, 15(8):1966–1968, 1976.

[brown1976grl] **Brown, N. B.**, **T. N. Davis**, **T. J. Hallinan** and **H. C. Stenbaek-Nielsen**. *Altitude of pulsating aurora determined by a new instrumental technique. Geophys. Res. Lett.*, 3(7):403–404, 1976.

[torr1976aopt] **Torr, M. R.**, **P. B. Hays**, **B. C. Kennedy** and **D. G. Torr**. *Photometer calibration error using extended standard sources. Applied Optics*, 15(3):600–602, March 1976. doi:10.1364/AO.15.000600.

[weinstock1975jgr] **Weinstock, Jerome**. *Theory of enhanced airglow during ionospheric modifications. J. Geophys. Res.*, 80(31):4331, November 1975.

[baker1974aopt] **Baker, Doran J.** *Rayleigh, the unit for light radiance. Applied Optics*, 13(9):2160–2163, September 1974.

[banks1974jgr] **Banks, P. M.**, **C. R. Chappel** and **A. F. Nagy**. *A new model for the interaction of auroral electrons with the atmosphere: Spectral degradation, backscatter, optical emission and ionization. J. Geophys. Res.*, 79:1459, 1974.

[haslett1974rs] **Haslett, J. C.** and **L. R. Megill**. *A model of the enhanced airglow excited by RF-radiation. Radio Sci.*, 9(11):1005–1019, November 1974.

[hyppoenen1974fmi] **Hyppönen, M.**, **R. Pellinen**, **C. Sucksdorff** and **R. Torniainen**. *Digital all-sky camera.* Technical Report 9, Finnish Meteorological Institute, Helsinki, 1974.

[jones1974reidel] **Jones, Alister Vallance**. *Aurora*, volume 9 of *Geophysics and astrophysics monographs.* D. Reidel Publishing Company, December 1974. ISBN: 90-277-0272-1.

[rees1974jgr] **Rees, M. h.** and **D. Luckey**. *Auroral electron energy derived from ratio of spectroscopic emissions 1. model computations. J. Geophys. Res.*, 79:5181, 1974.

[weinstock1974prl] **Weinstock, J.** and **B. Bezzerides**. *Theory of electron acceleration during parametric instabilities. Phys. Rev. Lett.*, 32:754–758, 1974.

[delbouille1973iapul] **Delbouille, L. G.**, **L. G. Roland** and **L. Neven**. *Photometric atlas of the solar spectrum from 3000 to 10000 Å.* Institute d'Astrophysique de l'Universite de Liege, Cointe-Ougre, Belgium, 1973.

[gilbert1972jtb] **Gilbert, P.** *Iterative methods for the three-dimensional reconstruction of an object from projections. J. Theor. Boil.*, 36:105–117, 1972.

[sipler1972jgr] **Sipler, D. P.** and **M. A. Biondi**. *Measurements of $O(^1D)$ quenching rates in the F region. J. Geophys. Res.*, 77:6202–6212, 1972.

[perkins1971jgr] **Perkins, F. W.** and **P. K. Kaw**. *On the role of plasma instabilities in ionospheric heating by radio waves. J. Geophys. Res.*, 76:282–284, 1971.

[scourfield1969planet] **Scourfield, M. W. J.** and **N. R. Parsons**. *Auroral pulsations and flaming — Some initial results of a cinematographic study using an image intensifier. Planet Space Sci.*, 17:1141, 1969.

[romick1967planet] **Romick, G. J.** and **A. E. Belon**. *The spatial variation of auroral luminosity—II. Planet Space Sci.*, 15:1695–1716, 1967.

[bens1965planet] **Bens, A. R.**, **L. L. Cogger** and **G. G. Shepherd**. *Upper atmospheric temperatures from Doppler line-widths — Observation of the OI dayglow emission at 6300 Å. Planet Space Sci.*, 13:551–563, 1965.

[akasofu1964planet] **Akasofu, S-I**. *The development of the auroral substorm. Planet Space Sci.*, 12:273, 1964.

[brandy1964cjp] **Brandy, J. H.** and **J. E. Hill**. *Rapid determination of auroral heights. Canad. J. Phys.*, 42:1813–1819, 1964.

[davies1964jgr] **Davis, T. N.** and **G. T. Hicks**. *Television cinemaphotography of Auroras and preliminary measurements of auroral velocities. J. Geophys. Res.*, 69:1931, 1964.

[hammarskjoeld1964] **Hammarskjöld, Dag**. *Markings*. Knopf, New York, 1964. (transl. by Leif Sjöberg and W. H. Auden, ISBN: 039443532X).

[ceplecha1963bac] **Ceplecha, Z.** and **J. Rajchl**. *The meteor spectrum with dispersion from 11 to 38 Å/mm. Publishing House of the Czechoslovak Academy of Sciences*, 14(2):29–47, 1963. (Available from the NASA Astrophysics Data System).

[cormac1963jap] **Cormac, A. M.** *Representation of a function by its line integrals, with some radiological applications, I. J. Appl. Phys.*, 34:2722–2727, 1963.

[cormac1963jap:b] **Cormac, A. M.** *Representation of a function by its line integrals, with some radiological applications, II. J. Appl. Phys.*, 35:2908–2913, 1963.

[hammarskjoeld1963] **Hammarskjöld, Dag**. *Vägmärken*. Albert Bonniers Förlag AB, 1963. (In Swedish, reprinted 1999 ISBN:9100571121).

[noxon1962jas] **Noxon, J. F.** and **R. M. Goody**. *Observations of day airglow. J. Atmos. Sci.*, 19:342–343, 1962.

[stoffregen1962] **Stoffregen, W.**, editor. *I.G.Y. ASCAPLOTS*, volume XX (part 1) of *Annals of the international geophysical year*. Pergamon Press, Oxford, London, New York, Paris, 1962.

[feldstein1960ussras] **Feldstein, Y. I.** *Investigations of the Aurorae*, chapter Geographical distribution of aurorae and azimuths of auroral arcs., page 61. Number 4 in 4. Academy of sciences of the USSR, Moscow, 1960.

[hesstvedt1960geop] **Hesstvedt, E.** *On the physics of mother of pearl clouds. Geofysiske Publikasjoner*, XXI(9):1–32, 1960.

[bates1959jgr] **Bates, H. F.** *The height of F-layer irregularities in the arctic ionosphere. J. Geophys. Res.*, pages 1257–1265, 1959.

[mceven1958cjp] **Mc even, D. J.** and **R. Montalbetti**. ****fixme***. Canad. J. Phys.*, 36(12):1593–1600, December 1958.

[elvey1957annigy] **Elvey, C. T.** and **Willy Stoffregen**. *Auroral photography by all-sky camera. Ann. IGY.*, 5(II):117–151, 1957.

[backlund1956aradios] **Backlund, Vidar**. *Über die Technik der simultanen Telefilmsplanigraphie. Acta Radiol. Suppl.*, 137, 1956. (PhD Thesis).

[hunten1956jatp] **Hunten, D. M.**, **F. E. Roach** and **J. W. Chamberlain**. *A photometric unit for the aurora and airglow. J. Atmos. Terr. Phys.*, 8:345–346, 1956.

[stoffregen1956ujo] **Stoffregen, Willy**. *An all-sky camera for auroral research, description and operational manual*. Technical report, Uppsala Jonosfärsobservatorium, 1956.

[stoffregen1955tellus] **Stoffregen, Willy**. *All-sky camera auroral research during the third geophysical year 1957–1958. Tellus*, 7:509–517, 1955.

[stormer1955] **Størmer, Carl**. *The Polar Aurora*. Clarendon Press, Oxford, 1955.

[gartlein1947natgeo] **Gartlein, C. W.** *Unlocking secrets of the northern lights. Nat. Geograph. Mag.*, page 673, November 1947.

[weinbren1946] **Weinbren, M.** *A manual of tomography*. H. K. Lewis & Co., 1946.

[lodin1935aradios] **Lodin, H.** *The value of tomography in examination of the intrapulmonary bronchi. Acta Radiol. Suppl.*, 101, 1935.

[rayleigh1930procrsl] **Rayleigh, Lord**. *Absolute intensity of the aurora line in the night sky, and the number of atomic transitions required to maintain it. Proc. Roy. Soc. London*, A129:458–467, 1930.

[stormer1930geop] **Størmer, C.** *Photogrammetrishe bestimmung der Höhe von irisierenden Wolken (Perlmutterwolken) am 30. Dezember 1926. Geofysiske Publikasjoner*, 5(2):1–8, 1930.

[vegard1920geop] **Vegard, L.** and **O. Krogness**. *The position in space of the aurora polaris*. In *Geofysiske Publikasjoner*, volume 1 of *Geofysiske Publikasjoner*, pages 1–170. A. W. Brøggers bogtryckeri, Christiania (Oslo), Norway, 1920.

[birkeland1913awb] **Birkeland, Kristian**. *The Norwegian aurora polaris expedition 1902–1903. Volume I On the cause of magnetic storms and the origin of terrestrial magnetism. Second section*, volume 1. A. W. Brøggers bogtryckeri, Christiania (Oslo), Norway, 1913.

[vegard1913] **Vegard, L.** *Photographische Aufnahmen des Nordlichtspektrums mit einem Spectrographen von grosser Dispersion. Phys. Zhur.*, 14:677–681, 1913.

[stormer1911vssmn] **Størmer, Carl**. *Bericht über eine Expedition nach Bossekop etc. Vid. Selsk. Skr. Math. Nat. Kl.*, 1911. Christiania (Oslo), Norway.

[birkeland1908awb] **Birkeland, Kristian**. *The Norwegian aurora polaris expedition 1902–1903. Volume I On the cause of magnetic storms and the origin of terrestrial magnetism. First section*, volume 1. A. W. Brøggers bogtryckeri, Christiania (Oslo), Norway, 1908.

[baschin1900mz] **Baschin, O.** *Die ersten Nordlichtphotographien etc. Met. Z.*, 17, 1900.

[mohn1893] **Mohn, H.** *Perlemorskyer*. In *Christiania Videnskabs-Selskabs Forhandlinger*, volume 2. A. W. Brøggers bogtryckeri, Christiania (Oslo), Norway, 1893.

[aangstroem1869] **Ångström, Anders J.** *Spectrum des Nordlichts. Pogg. Ann.*, 137:161–163, 1869.

[loomis1869ajs] **Loomis, E.** *The Aurora Borealis, or polar light, its phenomena and laws. Am. J. Sci.*, 32, 1869.

[aangstroem1868] **Ångström, Anders J.** *Recherches sur le Spectre Solaire*. W. Schultz, Uppsala, 1868.

[wilcke1778] **Wilcke, Johan Carl**. *Tal om de nyaste förklaringar öfver Norr-Skenet, hållet, i Kongl. Maj:ts höga närvaro, för dess vetenskaps-academie, vid praesidii nedläggande, den 7 Febr. 1778.* Johan Georg Lange, Stockholm, February 1778.

[celsius1733] **Celsius, Andreas**. *Observationes de lumine boreali.* Norimbergae, 1733.

[mairan1733] **de Mairan, J. J. D.** *Traité Physique et Historique de l'Aurore Boréale.* Imprimerie Royale, Paris, 1733. (2ns ed., 1754).

[gassendi1651] **Gassendi, Pierre**. *De vita Pereskii, Anno 1621.* Edit. Hag. Com., 1651.

[koschupo] **Kosch, M. J.**, **S. Mäkinen**, **F. Sigernes** and **O. Harang**. *Absolute optical calibration using a simple tungsten light bulb experiment.* In *proceedings 28AM??*

[sigernesupo] **Sigernes, F.**, **J. M. Holmes**, **S. Chernouss**, **T. Svenøe**, **M. Dyrland**, **D.A. Lorentzen**, **J. Moen** and **C. S. Deehr**. *Sensitivity calibration of narrow field of view optical instruments.* In *unknown proc.*