

# Peter Andreas Thejll

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## EDUCATION

- PhD in Astrophysics 1989 from the University of Delaware, USA.
- Master of Science in Physics 1984. University of Delaware, USA.
- Undergraduate studies at University of Copenhagen.

## CAREER

- **1996-present** Senior Scientist at the Danish Meteorological Institute.
- **1995-1996:** Nordic Visitor at NORDITA, Copenhagen.
- **1992-1995:** Carlsberg Fellow at the Niels Bohr Institute, Copenhagen.
- **1990-1992:** NORDITA Fellow.
- **1989-1990:** Postdoctoral Research Fellow at University of Delaware.

## EXPERIENCE

- **Project experience:**

Working group coordinator in the Danish Climate Atlas ([link](#)), since 2018.

Science co-PI on NordForsk eSACP project, 2015.

Science PI on VINNOVA project on earthshine telescope, 2006-2010.

SARMA - Statistical Approaches to Regional Climate Models for Adaptation, a TFI Nordic Network. <http://www.nrcse.washington.edu/NordicNetwork/>. Node leader in Denmark

ISSI project - Study of Cosmic Ray Influence upon Atmospheric Processes. National co-representative.

- **Research interests:**

*Climate research:* Regional climate modelling and precipitation forecasting. GPS-signals and climate research potential. The Sun-Climate proposition. Time series analysis. Statistical methods for extraction of signals. Improved regression methods. Global climate observing techniques.

Principal Investigator on VINNOVA funded project to study the design of an automatic system to observe terrestrial albedo using astronomical photometric techniques.

*Astrophysics:* Observational astronomy. Modelling of stellar atmospheres and stellar evolution. Spectroscopic and photometric analysis of white dwarfs and hot subdwarfs (UV, optical and IR data). Population analysis of the hot subdwarfs; stellar evolution. Astrometry.

Collaborator on successful Hubble Space Telescope proposal for cycle 6. Collaborator on ESA proposal - the astrometric Roemer satellite, 1993. Guest Observer on Extreme Ultraviolet Explorer (EUVE) satellite project: 'Metals in hot white dwarfs', 1993. Guest observer at the Carlos Sanchés IR Telescope on Tenerife three times in 1994. At ESO/La Silla on optical and IR telescopes in May-June 1993. At the Nordic Optical Telescope on La Palma October 1993 for optical photometry. Guest observer at the NOT telescope in April 1995. Guest Observer on the NASA/ESA International Ultraviolet Explorer satellite in observing year 13 (1989-1990).

Theoretical mathematical studies of the uses of MACSYMA for solving boundary value problems. Underwater acoustical imaging work. Both subjects with Dr. R. P. Gilbert, Mathematics Department, University of Delaware.

- **Teaching:** *PhD Advisor:* Morten Andreas Dahl Larsen (2012), Gitte Brandt Hedegaard (2011), Lars Peter Berg, 2003-2006 (EU funded student), and Sune Olander Rasmussen, University of Copenhagen 2003-2006, Raul Jimenez (EU-funded doctoral student under the Mobility and Human Resources Program, 1994-1996) with Drs. B. Pagel and U. G. Jørgensen.

*PhD thesis opponent:* PhD student Fredrik Boberg, Lund University, 2003.

*MS Advisor:* Henriette Schwarz, University of Lund, 2012. In the 1990s Bard Savarajbad at Nordlysobservatoriet, Tromsø, Norway, and Anja Andersen at NBI in Copenhagen.

*BSc Advisor:* Johanne Kristine Bork Øelund, Copenhagen University, 2013.

#### Recent Grants

- NordForsk grant of 4 Mio NOK, 2015, for eSACP project – statistics and climate.
- EUMETSAT Visiting Scientist grant to work with Deutsche Wetterdienst for 6 months on satellite data and radiance modelling, 2011.
- VINNOVA grant 5.7 Mio SEK, 2006, to EARTHSHINE project to build telescope system.
- Danish research council OFR grant, March 2003, to study designs for EARTHSHINE telescopes.

## Peter Andreas Thejll List of Publications

### Published in refereed Journals.

1. "The significance of climate variability on early modern European grain prices", by Fredrik Charpentier Ljungqvist, Peter Thejll, Bo Christiansen, Andrea Seim, Claudia Hartl and Jan Esper, accepted for publication in *Climetrica*. 2022. ([link](#))
2. "Identifying robust bias adjustment methods for European extreme precipitation in a multi-model pseudo-reality setting", Torben Schmith, Peter Thejll, Peter Berg, Fredrik Boberg, Ole Bøssing Christensen, Bo Christiansen, Jens Hesselbjerg Christensen, Marianne Sloth Madsen, and Christian Steger. *Hydrol. Earth Syst. Sci.*, 25, 273–290, ([link](#)), 2021.
3. "Assessing non-linearity in European temperature-sensitive tree-ring data", Fredrik Charpentier Ljungqvist, Peter Thejll, Jesper Björklund, Björn E. Gunnarson, Alma Piermattei, Miloš Rydval, Kristina Seftigen, Bård Støve, Ulf Büntgen. *Dendrochronologia* 59. ([link](#)), 2020.
4. "New vigour involving statisticians to overcome ensemble fatigue", Benestad, R., Sillmann, J., Thorarinsdottir, T. L., Guttorp, P., Mesquita, M. S., Tye, M. R., Uotila, Petteri, Fox Maule, Cathrine, Thejll, Peter, Drews, Martin, and Parding, Kajsa. *Nature Climate Change*, 7(1), 1–7. ([link](#)), 2017
5. "Discussion of Hansen, J.M.; Aagaard, T., and Kuijpers, A., 2015. Sea-Level Forcing by Synchronization of 56- and 74-Year Oscillations with the Moon's Nodal Tide on the Northwest European Shelf (Eastern North Sea to Central Baltic Sea). *Journal of Coastal Research*, 31(5), 1041–1056", Schmith, T., Thejll, P., Nielsen, J.W., *Journal of Coastal Research* 32, 2, 452-455 (2016) ([link](#))
6. "Scalability of regional climate change in Europe for high-end scenarios", O.B. Christensen, S. Yang, F. Boberg, C. Fox Maule, P. Thejll, M. Olesen, M. Drews, H.J.D. Sørup, and J.H. Christensen, *Climate Research* 64, 25-38, ([link](#)), 2015.
7. "Recent global warming hiatus dominated by low-latitude temperature trends in surface and troposphere data", Gleisner, H., Thejll, P., Christiansen, B, and Nielsen, J.K., *Geophysical research Letters* 42, 510-517, ([link](#)) 2015.
8. "Influence of celestial light on lunar surface brightness determinations: Application to earthshine studies", Thejll, P., Gleisner, H., and Flynn, C., *Astronomy and Astrophysics* 573, A131, ([link](#))2014.
9. "The colour of the dark side of the Moon", Thejll, P., Flynn, C., Gleisner, H., et al., 2014, *Astronomy and Astrophysics*, 563, A38, ([link](#)) 2014.
10. "On the role of domain size and resolution in the simulations with the HIRHAM region climate model", Larsen, Morten A. D.; Thejll, Peter; Christensen, Jens H.; Refsgaard, Jens C.; Jensen, Karsten H., *Climate Dynamics*, Volume 40, Issue 11-12, pp. 2903-2918, 2013.
11. "Detection of a multishell planetary nebula around the hot subdwarf O-type star 2MASS J19310888+4324577", Aller, A. and Miranda, L. F. and Ulla, A. and Vázquez, R. and Guillén, P. F. and Olguín, L. and Rodríguez-López, C. and Thejll, P. and Oreiro, R. and Manteiga, M. and Pérez, E., *Astronomy&Astrophysics* 552, A25, 2013.

12. "Influence of energetic Solar Proton Events on the development of cyclonic processes at extratropical latitudes", Veretenenko, S. and Thejll, P., *Journal of Physics Conference Series* 409, 012237, 2013.
13. "Improved confidence in regional climate model simulations of precipitation evaluated using drought statistics from the ENSEMBLES models", Maule, C. F. and Thejll, P. and Christensen, J. H. and Svendsen, S. H. and Hannaford, J., *Climate Dynamics* 40, 155-173, 2013.
14. "Statistical analysis of global surface temperature and sea level using cointegration methods", Torben Schmith, Søren Johansen, Peter Thejll, 2012. *Journal of Climate*, vol. 25, issue 22, pp. 7822-7833, 2012.
15. "A Test for Nonlinearity in Temperature Proxy Records", Bård Støve, Fredrik Charpentier Ljungqvist, Peter Thejll, 2012 *Journal of Climate* Volume 25, Issue 20, pp. 7173-7186 doi: <http://dx.doi.org/10.1175/JCLI-D-11-00632.1>
16. "On the role of domain characteristics in the simulations with a regional climate model", Larsen, M.A.D., P. Thejll, J.H. Christensen, J.C. Refsgaard and KH. Jensen. 2012, *Clim. Dyn.*, doi: 10.1080/19440049.2012.714080
17. "Improved confidence in climate change projections of precipitation further evaluated using daily statistics from ENSEMBLES models", Boberg, Fredrik; Berg, Peter; Thejll, Peter; Gutowski, William J.; Christensen, Jens H. *Climate Dynamics*, Volume 35, Issue 7-8, pp. 1509-1520.
18. "A Surrogate Ensemble Study of Sea Level Reconstructions", Christiansen, B., Schmith, T. and Thejll, P., 2010, *Journal of Climate*, 23, 4306-4326.
19. "The Robotic Earthshine Telescope", Darudi, A., Owner-Petersen, M., Thejll, P., Gleisner, H., Taylor, D., Ale-Ebrahim, M., and Andersen, T., 2010, in *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, 7733, doi = 10.1117/12.857126
20. "Reply," B. Christiansen, Schmith, T., and Thejll, P. (2010), *Journal of Climate* 23, pp. 2839–2844.
21. "Effect of atmospheric CO<sub>2</sub> and solar activity on wind regime and water column stability in the major global upwelling areas," B. Patti, C. Guisande, I. Riveiro, P. Thejll (2010), *Estuarine, Coastal and Shelf Science* 88, pp. 45-52.
22. "Seasonal characteristics of the relationship between daily precipitation intensity and surface temperature," Berg, P., J. O. Haerter, P. Thejll, C. Piani, S. Hagemann, and J. H. Christensen (2009), *J. Geophys. Res.*, 114, D18102, doi:10.1029/2009JD012008.
23. "Analyzing and correcting for contaminating magnetic fields at the Brorfelde geomagnetic observatory due to high-voltage DC power lines", C. F. Maule, P. Thejll, A. Neska, J. Matzka, L. W. Pedersen, and A. Nilsson (2009), *Earth Planets Space* vol 61, pp.1233-1241.
24. "A Surrogate Ensemble Study of Climate Reconstruction Methods: Stochasticity and Robustness", Christiansen, B., Schmith, T., and Thejll, P. (2009). *Journal of Climate*, 22:951–+.
25. "Solar proton events and evolution of cyclones in the North Atlantic", Veretenenko, S. V. and Thejll, P. (2008). *Geomagnetism and Aeronomy/Geomagnetizm i Aeronomiia*, 48:518–528.
26. "An estimate of the impact of transient luminous events on the atmospheric temperature". Arnone, E., Berg, P., Arnold, N. F., Christiansen, B., and Thejll, P. (2008). *Advances in Geosciences*, 13:37–43.

27. "Recent Results from Studies of Electric Discharges in the Mesosphere", Neubert, T., Rycroft, M., Farges, T., Blanc, E., Chanrion, O., Arnone, E., Odzimek, A., Arnold, N., Enell, C.-F., Turunen, E., Bösinger, T., Mika, Á., Haldoupis, C., Steiner, R. J., van der Velde, O., Soula, S., Berg, P., Boberg, F., Thejll, P., Christiansen, B., Ignaccolo, M., Füllekrug, M., Verronen, P. T., Montanya, J., and Crosby, N. (2008). *Surveys in Geophysics*, pages 14–+.
28. "Improved confidence in climate change projections of precipitation evaluated using daily statistics from the PRUDENCE ensemble". Boberg, F., Berg, P., Thejll, P., Gutowski, W. J., and Christensen, J. H. (2008). *Climate Dynamics*, pages 94–+.
29. "The dynamical response of the middle atmosphere to the tropospheric solar signal", Berg, P., B. Christiansen, P. Thejll, and N. Arnold, *J. Geophys. Res.*, 112, D20122, (2007)
30. "Comment on 'A Semi-Empirical Approach to Projecting Future Sea-Level Rise'". T. Schmith, S. Johansen, and P. Thejll, *Science* 317, 1866c, 2007
31. "Cyclone Regeneration in the North Atlantic Intensified by Energetic Solar Proton Events", S. Veretenenko, and P. Thejll, *Advances in Space Research* 35, 470-475, 2005.
32. "Limitations on regression analysis due to serially correlated residuals: Application to climate reconstruction from proxies", by P. Thejll and T. Schmith, *JGR* 110, D18103, doi:10.1029/2005JD005895, 2005.
33. "Solar signals in tropospheric re-analysis data: comparing NCEP/NCAR and ERA40", H. Gleisner, P. Thejll, M. Stendel, E. Kaas, and B. Macherhauer, *JASTP* 67, 785–791 (2005).
34. "Effects of energetic Solar Proton Events on the cyclone development in the North Atlantic", Svetlana Veretenenko and Peter Thejll, 2004, *Journal of Atmospheric and Solar-Terrestrial Physics* 66, 393–405.
35. "Solar activity governs abundance of Atlantic Iberian sardine *Sardina pilchardus*", C. Guisande, A. Ulla and P. Thejll, 2004, *Marine Ecology progress series* 269, pp. 297–301.
36. "Patterns of tropospheric response to solar variability", H. Gleisner, P. Thejll, *Geophysical Research Letters*, 2003, 30, 1711, doi:10.1029/2003GL017129.
37. "On correlations between the North Atlantic Oscillation, geopotential heights, and geomagnetic activity", P. Thejll, B. Christiansen, H. Gleisner, *Geophysical Research Letters*, 2003, 30, 1347, doi:10.129/2002GL016598.
38. "Variations of atmospheric pressure during solar proton events and Forbush decreases for different latitudinal and synoptic zones", A.L. Morozova, M.I. Pudovkin and P. Thejll, 2002, *International Journal of Geomagnetism and Aeronomy*, 3, pp. 181–189.
39. "Decadal power in land air temperatures: Is it statistically significant?", P. Thejll, *Journal of Geophysical Research*, 2001, vol 106, p.31693.
40. "The cause-and-effect relationship of solar cycle length and the Northern hemisphere air surface temperature", R. Reichel, P. A. Thejll, K. Lassen, 2001, *JGR*, 106, No. A8, pp.15635-15641.
41. "Solar forcing of the Northern hemisphere land air temperature: New data", by P. Thejll and K. Lassen, 2000, *Journal of Solar-Terrestrial Physics* 13, 1207-1213.
42. "Resolving subdwarf B stars in binaries by HST imaging", U. Heber, S. Moehler, R. Napiwotski, P. Thejll and E.M. Green, *Astronomy and Astrophysics*, 2002, vol. 383, pp. 938–951.

43. "Carbon and Hydrogen in Hot DB White Dwarfs", Provencal, J. L.; Shipman, H. L.; Thejll, P.; Vennes, S., 2000, *Astrophysical Journal*, 42, pp. 1041-1056
44. "Primordial Helium and  $\delta Y / \delta Z$  from H II regions and from fine structure in the main sequence based on Hipparcos parallaxes", 1998, Høg, E.; Pagel, B. E. J.; Portinari, L.; Thejll, P. A.; MacDonald, J.; Girardi, L., *Space Science Reviews*, v. 84, Issue 1/2, p. 115-126
45. "Infrared flux excesses from hot subdwarfs II. 72 more objects", by A. Ulla, and P. Thejll, 1998, *Astronomy&Astrophysics Sup. Ser.*, 132, 1-12
46. "Testing the white dwarf mass-radius relation with Hipparcos", Provencal, J.L., Shipman H.L., Hog E., Thejll P., 1998, *Astrophysical Journal* 494, 759
47. "The Mass and Radius of 40 Eridani B from HIPPARCOS: An Accurate Test of Stellar Interior Theory", Shipman, H. L.; Provencal, J. L.; Høg, Erik; Thejll, P., 1997, *Astrophysical Journal*, 488, 43
48. "Hot White Dwarfs in the Extreme Ultraviolet Explorer Survey. II. Mass Distribution, Space Density, and Population Age", Vennes, Stephane; Thejll, Peter A.; Galvan, Ricardo Genova; Dupuis, Jean, 1997, *Astrophysical Journal*, 480, 714
49. "Infrared observations of peculiar carbonstars", A. Ulla, P. Thejll, T. Kipper and U.G. Jørgensen, 1997, *Astronomy & Astrophysics*, 319, 244-249
50. "Proper motions of hot subdwarfs - The kinematic population membership of the sdB", P. Thejll, C. Flynn, R. Williamson and R. Saffer, 1997, *Astronomy & Astrophysics*, 317, 689-693
51. "Ages of globular clusters: a new approach", R. Jimenez, P. Thejll, U.G. Jørgensen, J. MacDonald and B. Pagel 1996, *MN* 282, 926-942
52. "Hot White dwarfs in the Extreme Ultraviolet Explorer survey. I. Properties of a Southern Hemisphere Sample", S. Vennes, P. A. Thejll, D. T. Wickramasinghe, M.S. Bessell, 1996, *ApJ* 467, 782.
53. "UV spectroscopy of the DBV GD358", by J. L. Provencal, H.L. Shipman, P. Thejll, S. Vennes, 1996, *ApJ* 466, 1011.
54. "Hot White Dwarfs in the Local Interstellar Medium: Hydrogen and Helium Interstellar Column Densities and Stellar Effective Temperatures from Extreme-Ultraviolet Explorer Spectroscopy", by Dupuis, J., Vennes, S., Bowyer, S., Pradhan, A. K., Thejll, P., 1995, *Astrophysical Journal* 455, 574.
55. "Improved Calculations of the Equilibrium Abundances of Heavy Elements Supported by Radiative Levitation in the Atmospheres of Hot DA White Dwarfs", by Chayer, P.; Vennes, S.; Pradhan, A. K.; Thejll, P.; Beauchamp, A.; Fontaine, G.; Wesemael, F., 1995, *Astrophysical Journal* 454, 429.
56. "Infrared flux excesses from hot subdwarfs", by P. Thejll, A. Ulla, and J. MacDonald, 1995, *Astronomy&Astrophysics* 303, 773-784.
57. "Stellar evolution with mass loss - comparison of numerical and semi-analytical computations", by R. Jimenez, U.G. Jørgensen, P. Thejll and J. MacDonald, 1995, *MNRAS* 275, 1245.
58. "Detecting red stellar companions to hot subdwarfs with CCD imaging", by Thejll, P.A., Theissen A., and Jimenez, R., 1994, *Astronomy&Astrophysics* 292,457.

59. "Analysis of Helium rich subdwarf O stars. I NLTE Models, methods and fits for 21 Palomar Green survey sdOs", Thejll, P.A., Bauer F., Saffer R., Liebert J., Kunze D., Shipman H, *Astrophysical Journal*, 433, 819-830, 1994.
60. "The UV radiation in metal-rich elliptical galaxies", Jørgensen, U.G. and Thejll, P.A., *Astrophysical Journal Letters*, 411, L67-L70, 1993.
61. "A new method for analyzing horizontal branch morphology and mass loss", Jørgensen, U.G., and Thejll, P.A., *Astronomy & Astrophysics*, 272, 255-267, 1993.
62. "Is the star 'BS' a member of the cluster 47 Tucanae?", Thejll, P.A., *Astronomy & Astrophysics*, 264, pp. 86-87, 1992.
63. "An Approximation scheme for the Three-dimensional Scattered Wave and its Propagating Far-Field pattern in a finite depth Ocean.", Gilbert, Xu and Thejll, P.A., *Zeitschrift für Angewandte Mathematik und Mechanik*, 72, pp.459-480, 1992.
64. "A note on the positivity of equilibrium populations in radiative transfer theory", Damgaard, P.H., Hjorth P.G., and Thejll, P.A., *Astronomy & Astrophysics*, 254, pp. 422-425, 1992.
65. "The Infrared excess of Feige 34.", Thejll, P.A., MacDonald, J., and Saffer, R., *Astronomy & Astrophysics*, 248, p. 448-452, 1991.
66. "The binary Feige 24: the mass, radius, and gravitational red-shift of the DA white dwarf", Vennes, S., Thorstensen, J., R, Thejll, P.A., and Shipman, H. L., *Astrophysical Journal Letters*, 373, p.L37-L40, 1991.
67. "A critical analysis of the UV temperature scale of the helium-dominated DB and DBV white dwarfs.", Thejll, P.A., Vennes, S., and Shipman, H.L., *Astrophysical Journal*, 370: 355-369, 1991
68. "The use of MACSYMA for solving elliptical boundary value problems." Thejll, P.A., and R.P. Gilbert, *Zeitschrift für Angewandte Mathematik und Mechanik*, 70, issue 11, pp. 479, 1990. Also appeared in Gilbert, R.P., and Thejll, P.A., *Pitman Research Notes in Mathematics Series*, no 257, 1991, pp. 203 - 216.
69. "An atmospheric analysis of the Carbon-Rich White Dwarf G35-26", Peter Thejll, P.A., Harry L. Shipman, James MacDonald and W.M. MacFarland, *Astrophysical Journal*, 361: 197-206, 1990.
70. "Butterfly statistics, Astronomical surveys, and the Discovery of new classes of Objects", Thejll, P.A., and Shipman, *Publications of the Astronomical Society of the Pacific*, 100, 398-401, 1988.
71. "Temperature, Radius and Rotational Velocity of Sirius B", Thejll, P.A. and Shipman. *Publications of the Astronomical Society of the Pacific*, Vol. 98, pp. 922- 926, October 1986.  
Editor.
72. Edited, with U.G. Jørgensen, the Poster Proceedings of the IAU Colloquium 146: Molecular Opacities in the Stellar Environment. 1993. HCØ press.  
Published in Proceedings, popular magazines, or posters presented.
73. Thejll, Peter; Gleisner, Hans 2016, *Astrophysics Source Code Library* [link](#) Earthshine simulator: Idealized images of the Moon

74. Anker Pedersen, Rasmus, Thejll, Peter, Mottram, Ruth, Davies, Sarah; Lamb, Henry 2016, EGU General Assembly Conference Abstracts [link](#) Can an Earth System Model Reproduce the Palaeo-Climature Proxy Record in eastern Africa during the Eemian?
75. Thejll, Peter, Walker, Nicholas, Sandholt, Inge, Brown, Ian, Solberg, Rune, Suwala, Jason, Kelly, Richard, Tangen, Helge, Berglund, Robin, Dean, Andy, Engset, Rune; Siewertsen, Bjarne 2016, EGU General Assembly Conference Abstracts [link](#) ECOLES: a Citizen Observers network engaging communities to map climate change at the local level
76. Schmith, Torben, Thejll, Peter; Johansen, Søren 2016, EGU General Assembly Conference Abstracts [link](#) Temperature rise, sea level rise and increased radiative forcing - an application of cointegration methods
77. Thejll, Peter, Pagh Nielsen, Kristian, Andersen, Elsa; Furbo, Simon 2016, EGU General Assembly Conference Abstracts [link](#) Modelling 1-minute directional observations of the global irradiance.
78. Schmith, Torben, Thejll, Peter; Nielsen, Jacob W. 2016, EGU General Assembly Conference Abstracts [link](#) Debunking the lunar nodal tide in sea level data from the Northwest European shelf
79. Thejll, Peter, Gleisner, Hans, Flynn, Chris 2016, EGU General Assembly Conference Abstracts [link](#) Effect of reflectance model choice on earthshine-based terrestrial albedo determinations.
80. Yang, S., Christensen, J. H., Langen, P. P., Thejll, P. 2015, AGU Fall Meeting Abstracts [link](#) Toward Unanimous Projections for Sea Ice Using CMIP5 Multi-model Simulations
81. Thorarinsdottir, Thordis, Thejll, Peter, Drews, Martin, Guttorp, Peter, Venäläinen, Ari, Uotila, Petteri, Benestad, Rasmus, Mesquita, Michel d. S., Madsen, Henrik, Fox Maule, Cathrine 2015, EGU General Assembly Conference Abstracts [link](#) eSACP - a new Nordic initiative towards developing statistical climate services
82. Gleisner, Hans, Thejll, Peter, Christiansen, Bo, Nielsen, Johannes K. 2015, EGU General Assembly Conference Abstracts [link](#) Recent global warming hiatus dominated by low latitude temperature trends in surface and troposphere data
83. Fox Maule, Cathrine, Thejll, Peter, Cornes, Richard, Goodess, Clare, Christensen, Ole B. 2015, EGU General Assembly Conference Abstracts [link](#) Effects of bias correction on the climate change signal of extreme indices of precipitation
84. Nielsen, J. K., Christiansen, B., Gleisner, H., Thejll, P. 2014, AGU Fall Meeting Abstracts [link](#) Hiatus in global mean temperature: trend patterns inspected with MSU/AMSU and GNSS-RO satellite data
85. Mottram, Ruth, Fox Maule, Cathrine, Thejll, Peter, Stendel, Martin, Drews, Martin, Davies, Sarah, Lamb, Henry 2014, EGU General Assembly Conference Abstracts [link](#) Drying out the Nile? Regional Climate Change and Water Resources in East Africa with a focus on Lake Victoria and Lake Tana
86. Thejll, Peter 2014, EGU General Assembly Conference Abstracts [link](#) Storm surges in Danish waters: tide gauge data as proxy for storm winds
87. Thejll, Peter, Gleisner, Hans, Christiansen, Bo, Nielsen, Johannes 2014, EGU General Assembly Conference Abstracts [link](#) Hiatus in global mean temperature: data coverage issues inspected with Radio Occultation data



88. Aller, A. and Ulla, A. and Miranda, L. F. and Thejll, P. and Oreiro, R. and Rodríguez-López, C. and Manteiga, M. and Pérez, E., "A new planetary nebula around the hot subdwarf star 2MASS J19310888+4324577", *Highlights of Spanish Astrophysics VII*, 511-515, 2013.
89. Fox Maule, C. and Christensen, O. B. and Mayer, S. and Thejll, P., "Assessing projected changes in heat waves over Northern Europe using two regional climate models at 8-km resolution.", *EGU General Assembly Conference Abstracts*, No. 8836, 2013.
90. Thejll, P. and Flynn, C. and Gleisner, H. and Andersen, T. and Darudi, A., "Preliminary 4-band colour photometry of the Earth, using Earthshine observations.", *EGU General Assembly Conference Abstracts*, No. 8060, 2013.
91. Veretenenko, S. and Thejll, P., "Effects of energetic Solar Protons Events on cyclonic activity in the Northern and Southern hemispheres", *39th COSPAR Scientific Assembly*, vol. 39, 2079, 2012.
92. Schmith, T. and Johansen, S. and Thejll, P., "Statistical analysis of global surface temperature and sea level using cointegration methods", *EGU General Assembly Conference Abstracts*, No. 8688, 2012.
93. Fox Maule, C. and Thejll, P., "Changes in the percentage of area under drought in Europe during this century", *EGU General Assembly Conference Abstracts*, No. 8564, 2012.
94. Thejll, P. and Flynn, C. and Schwarz, H. and Gleisner, H. and Owner-Petersen, M. and Darudi, A. and Andersen, T., "First results from new Earthshine telescope on Mauna Loa", *EGU General Assembly Conference Abstracts*, No. 4975, 2012.
95. P. Thejll, C. Fox Maule, and J. Hesselbjerg Christensen. When will climate scenario runs show a statistically significant change in drought indices? In A. Abbasi and N. Giesen, editors, *EGU General Assembly Conference Abstracts*, volume 14 of *EGU General Assembly Conference Abstracts*, page 4096, April 2012.
96. P. Thejll, C. Flynn, H. Schwarz, H. Gleisner, M. Owner-Petersen, A. Darudi, and T. Andersen. First results from new Earthshine telescope on Mauna Loa. In A. Abbasi and N. Giesen, editors, *EGU General Assembly Conference Abstracts*, volume 14 of *EGU General Assembly Conference Abstracts*, page 4975, April 2012.
97. T. Schmith, S. Johansen, and P. Thejll. Statistical analysis of global surface temperature and sea level using cointegration methods. In A. Abbasi and N. Giesen, editors, *EGU General Assembly Conference Abstracts*, volume 14 of *EGU General Assembly Conference Abstracts*, page 8688, April 2012.
98. C. Fox Maule and P. Thejll. Changes in the percentage of area under drought in Europe during this century. In A. Abbasi and N. Giesen, editors, *EGU General Assembly Conference Abstracts*, volume 14 of *EGU General Assembly Conference Abstracts*, page 8564, April 2012.
99. S. Veretenenko and P. Thejll. Effects of cosmic ray variations on cyclonic activity in the North Atlantic. In *38th COSPAR Scientific Assembly*, volume 38 of *COSPAR Meeting*, page 1738, 2010.
100. A. L. Morozova, P. Thejll, and M. A. Pais. Long-time temperature variations in Portugal over the last 140 years and the effect of the solar activity. *ArXiv e-prints*, September 2010.
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