

BIBLIOGRAFÍA

- Abramovich, F., Bailey, T. C. y Sapatinas, T.: 2000, 'Wavelet Analysis and its Statistical Applications', *J. Roy. Statist. Soc.* **49**, 1-29.
- Arya, S. P. S.: 1988, *An Introduction to Micrometeorology*, Academic Press, San Diego, CA, 303 pp.
- Atlas, D., Metcalf, J. I., Richter, J. H. y Gossard, E. E.: 1970, 'The Birth of "CAT" and Microscale Turbulence', *J. Atmos. Sci.* **27**, 903-913.
- Banta, R. M., Newsom, R. K., Lundquist, J. K., Pichugina, Y. L., Coulter, R. L. y Mahrt, L.: 2002, 'Nocturnal Low-Level Jet Characteristics over Kansas during CASES-99', *Boundary-Layer Meteorol.* **105**, 221-252.
- Beljaars, A. C. M. y Holtslag, A. A. M.: 1991, 'On Flux Parametrization over Land Surfaces for Atmospheric Models', *J. Appl. Meteorol.* **30**, 327-341.
- Beyrich, F.: 1997, 'Mixing Height Estimation from Sodar Data - A Critical Discussion', *Atmos. Environ.* **31**, 3941-3953.
- Blumen, W.: 1984, 'An Observational Study of Instability and Turbulence in Night Time Drainage Winds', *Boundary-Layer Meteorol.* **28**, 245-269.
- Blumen, W., Banta, R., Burns, S. P., Fritts, D. C., Newsom, R., Poulos, G. S. y Sun, J.: 2001, 'Turbulent Statistics of a Kelvin-Helmholtz Billow Event Observed in the Nighttime Boundary Layer During the CASES-99 Field Program', *Dyn. Atmos. Oceans* **34**, 189-204.
- Briggs, G. A.: 1973, *Diffusion Estimation for Small Emissions*. NOAA Atmospheric Turbulence and Diffusion Laboratory, Contribution File No. 79. Oak Ridge, TN. 59 pp.
- Brost, R. A. y Wyngaard, J. C.: 1978, 'A Model Study of the Stably Stratified Planetary Boundary Layer', *J. Atmos. Sci.* **35**, 1427-1440.
- Buenestado, P.: 2003, 'Waves Detection by Wavelets in the Atmospheric Surface Layer', Comunicación presentada en el congreso organizado por la EGS en Niza (Francia).
- Buenestado, P. y Rodríguez, R.: 2000, 'Comparison of Fourier Transforms with Wavelet Transforms for Meteorological Time Series', Comunicación presentada en el congreso organizado por la EGS en Niza (Francia).
- Buenestado, P., Rodríguez, R. y Soler, M.R.: 1998, 'Objective Spectral Method Applied to Meteorological Series', Comunicación presentada en el congreso organizado por la EGS en Niza (Francia).
- Buenestado, P., Rodríguez, R. y Soler, M.R.: 1999a, 'Analysis of the Quality of the Records in Meteorological Series', Comunicación presentada en el congreso organizado por la EGS en La Haya (Holanda).
- Buenestado, P. y Soler, M.R.: 1998, 'Vertical Variation in Turbulent Statistics', Comunicación presentada en el congreso organizado por la EGS en Niza (Francia).
- Buenestado, P. y Soler, M.R.: 1999, 'Comparative Analysis of Turbulent Components Parameterizations for Diffusion Applications', Comunicación presentada en el congreso organizado por la EGS la Haya (Holanda).
- Buenestado, P., Soler, M.R., Infante, C. y Cuxart, J.: 1999b, 'Turbulence Regime in the Stable Boundary Layer', Comunicación presentada en el congreso organizado por la EGS en la Haya (Holanda).
- Buenestado, P., Soler, M.R. y Joergensen, H.E.: 1999c, 'Similarity Theory in the Surface Atmospheric Boundary Layer', Comunicación presentada en el congreso organizado por la EGS en la Haya (Holanda).
- Businger, J. A.: 1973, 'Turbulent Transfer in the Atmospheric Surface Layer', in D. H. Haugen (ed.), *Workshop on Micrometeorology*, American Meteorol. Soc., Boston, MA, 67-100.
- Businger, J. A.: 1988, 'A note on the Businger-Dyer profiles', *Boundary-Layer Meteorol.* **42**, 145-151.
- Businger, J. A., Wyngaard, J. C., Izumi, Y. y Bradley, E. F.: 1971, 'Flux-Profile Relationships in the Atmospheric Surface Layer', *J. Atmos. Sci.* **28**, 181-189.

- Caughey, S. J. y Readings, C. J.: 1975, 'An Observation of Waves and Turbulence in the Earth's Boundary Layer', *Boundary-Layer Meteorol.* **9**, 279-296.
- Conangla, L., Soler, M.R., Buenestado, P. y Ferreres, E.: 2001, 'Turbulence Characteristics and Waves Generation in a Shallow Gully within the Stable Boundary Layer', Comunicación presentada en el congreso organizado por la EGS en Niza (Francia).
- Cuxart, J., Yagüe, C., Morales, G., Terradellas, E., Orbe, J., Calvo, J., Fernández, A., Soler, M.R., Infante, C., Buenestado, P., Espinalt, A., Joergensen, H.E., Rees, J.M., Vilà, J., Redondo, J.M., Cantalapiedra, I.R. y Conangla, L.: 2000, 'Stable Atmospheric Boundary-Layer Experiment in Spain (SABLES 98): A Report', *Boundary-Layer Meteorol.* **96**, 337-370.
- Cuxart, J., Morales, G., Terradellas, E. y Yagüe, C.: 2002, 'Study of Coherent Structures and Estimation of the Pressure Transport Terms for the Nocturnal Stable Boundary Layer', *Boundary-Layer Meteorol.* **105**, 305-328.
- Daubechies, I.: 1992, *Ten Lectures on Wavelets*, Society for Industrial and Applied Mathematics. Philadelphia, 357 pp.
- Derbyshire, S. H.: 1990, 'Nieuwstadt's Stable Boundary Layer Revisited', *Quart. J. Roy. Meteorol. Soc.* **116**, 127-158.
- Derbyshire, S. H.: 1995, 'Stable Boundary Layer: Observations, Models and Variability. Part I: Modelling and Measurements', *Boundary-Layer Meteorol.* **74**, 19-54.
- Dias, N. L., Brutsaert, W. y Wesley, M. L.: 1995, 'Z-less Stratification under Stable Conditions', *Boundary-Layer Meteorol.* **75**, 175-187.
- Donoho, D. L.: 1995, 'Adaptating to Unknown thinness via Wavelet Shrinkage', *J. Amer. Statist. Assn.* **90**, 1200-1224
- Donoho, D. L.: 1998, 'Minimax Estimation via Wavelet Shrinkage', *Ann. Statist.* **26**, 879-921
- Donoho, D. L. y Johnstone, I. M.: 1994, 'Ideal Spatial Adaptation by Wavelet Shrinkage', *Biometrika* **81**, 425-455
- Dutton, J. A.: 1976, *The Ceaseless Wind: An Introduction to the Theory of Atmospheric Motion*, McGraw-Hill, New York, 640 pp.
- Dyer, A. J.: 1974, 'A review of flux-profile relationships', *Boundary-Layer Meteorol.* **7**, 363-372.
- Dyer, A. J. y Bradley, E. F.: 1982, 'An alternative analysis of flux-gradient relationships at the 1976 ITCE', *Boundary-Layer Meteorol.* **22**, 3-19.
- Einaudi, F. y Finnigan, J. J.: 1981, 'Interaction between an Internal Gravity Wave and the Planetary Boundary Layer, Part 1: Linear Analysis', *Quart. J. Roy. Meteorol. Soc.* **107**, 793-806.
- Einaudi, F. y Finnigan, J. J.: 1993, 'Wave-Turbulence Dynamics in the Stably Stratified Boundary Layer', *J. Atmos. Sci.* **50**, 1841-1864.
- Farge, M.: 1992, 'Wavelet Transforms and their Applications to Turbulence', *Ann. Rev. Fluid Mech.*, **24**, 395-457.
- Fernando, H. I. S.: 1991, 'Turbulent Mixing in Stratified Fluids', *Ann. Rev. Fluid Mech.* **23**, 455-498.
- Finnigan, J. J. y Einaudi, F.: 1981, 'The interaction between an internal gravity wave and the planetary boundary layer. Part II: Effect of the wave on the turbulence structure', *Quart. J. Roy. Meteorol. Soc.* **107**, 807-832.
- Finnigan, J. J., Einaudi, F. y Fua, D.: 1984, 'The interaction between an internal gravity wave and turbulence in the stably stratified nocturnal boundary layer', *J. Atmos. Sci.* **41**, 2409-2436.
- Forrer, J. y Rotach, M.W.: 1997, 'On the Turbulence Structure in the Stable Boundary Layer over the Greenland Ice Sheet', *Boundary-Layer Meteorol.* **85**, 111-136.
- Gao, W., Shaw, R. H. y Paw, K. T.: 1989, 'Observation of Organized Structure in Turbulence Flow within and above a Forest Canopy', *Boundary-Layer Meteorol.* **47**, 349-377
- Garratt, J.R.: 1992, *The Atmospheric Boundary Layer*, Cambridge University Press, 316 pp.
- Gibson, M. M. y Launder, B. E.: 1978, 'Ground Effects on Pressure Fluctuations in the Atmospheric Boundary Layer', *J. Fluid Mech.* **86**, 491-511

- Hanna, S. R.: 1983, 'Lateral Turbulence intensity and Plume Meandering during Stable Conditions', *J. Climate Appl. Meteorol.* **22**, 1424-1430
- Hanna, S. R., Briggs, G. A. y Hosker, R. P.: 1982, *Hand Book on Atmospheric Dispersion*, Technical Information Center, U. S. Department of Energy, Springfield, VA 22161, 102 pp.
- Hanna, S. R. y Chang, J. C.: 1992, 'Boundary Layer Parametrization for Applied Dispersion Modelling over Urban Areas', *Boundary-Layer Meteorol.* **58**, 229-259.
- Hanna, S. R. y Chang, J. C.: 1993, 'Hybrid Plume Dispersion model (HPDM) Improvements and Testing at three Field Sites', *Atmos. Environ.* **27A**, 1491-1508.
- Haugen, D. A., Kaimal, J. C., Readings, C. J. y Rayment, R.: 1975, 'A Comparison of Balloon-borne and Tower-mounted Instrumentation for Probing the Atmospheric Boundary Layer', *J. Appl. Meteorol.* **14**, 540-545
- Hicks, B. B.: 1976, 'Wind Profile Relationships from "Wangara" Experiments', *Quart. J. Roy. Meteorol. Soc.* **102**, 535-551.
- Hicks, B. B.: 1985, 'Behaviour of Turbulence Statistics in the Convective Boundary Layer', *J. Climatol. Appl. Meteorol.* **24**, 607-614.
- Hinojosa, J.: 2001, *Contribució a l'Estudi de l'Estructura Térmica i Dinàmica de la Capa Fonterera Atmosfèrica Minjançant un Sodar-Doppler*. Tesis Doctoral. Universitat de Barcelona.
- Högström, U.: 1985, 'Von Karman's Constant in Atmospheric Boundary LayerFlow: Re-evaluated', *J. Atm. Sci.* **42**, 263-270
- Högström, U.: 1988, 'Nondimensional Wind and Temperature Profiles', *Boundary-Layer Meteorol.* **42**, 55-78.
- Högström, U.: 1996, 'Review of Some Basic Characteristics of the Atmospheric Surface Layer', *Boundary-Layer Meteorology.* **78**, 215-246.
- Högström, U. y A.S. Smedman: 1997, 'The Turbulence Regime of a Very Stable Marine Airflow with Quasi-Frictional Decoupling', in *Twelfth Symposium on Boundary Layers and Turbulence*, Amer. Meteorol. Soc., Vancouver, 128-129.
- Holtslag, A. A. M. y Nieuwstadt, F. T. M.: 1986, 'Scaling the Atmospheric Boundary Layer', *Boundary-Layer Meteorol.* **36**, 201-209.
- Horst, T. W. y Doran, J. C.: 1986, 'Nocturnal Drainage Flow on Simple Slopes', *Boundary-Layer Meteorol.* **34**, 263-286.
- Howell, J. y Mahrt, L.: 1994, 'An Adaptive Decomposition: Applications to Turbulence' *Wavelets in Geophysics*. E. Foufoula and P. Kumar Eds., Academic Press, 107-128.
- Howell, J. y Sun, J.: 1999, 'Surface Layer Fluxes in Stable Conditions', *Boundary-Layer Meteorol.* **90**, 495-520.
- Hunt, J. C. R., Kaimal, J. C. y Gaynor, J. E.: 1985, 'Some Observations of Turbulence Structure in Stable Layers', *Quart. J. Roy. Meteorol. Soc.* **111**, 793-815.
- Izumi, Y.: 1971, 'Kansas 1968 Field Program Data Report', Environ. Res. Pap., No. 369, AFC RL-72 0041, Air Force Cambridge Research Lab., Bedford, Massachusetts, U.S.A.
- Kaimal, J. C.: 1973, 'Turbulence Spectra, Length Scales and Structure Parameters in the Stable Surface Layer', *Boundary-Layer Meteorol.* **4**, 289-309.
- Kaimal, J.C. y Finnigan, J.J.: 1994, *Atmospheric Boundary layer Flows. Their Structure and Measurements*, Oxford University Press. New York, 289 pp.
- Kantha, L. H. y Clayson, C. A.: 2000, *Small Scale Proceses in Geophysical Fluid Flows*, Academic Press, San Diego, CA, 888 pp.
- Kiehl, J.: 1996, *Description of the NCAR Community Climate Model (CCM3)*, Technical Note, NCAR/TN-420, NCAR, P.O. Box 3000, Boulder, CO, 80307, U.S.A.
- Kim, J. y Mahrt, L.: 1992, 'Simple Formulation of Turbulent Mixing in the Stable Free Atmosphere and Nocturnal Boundary Layer', *Tellus* **44A**, 381-394.
- Kolmogorov, A. N.: 1941, 'The Local Structure of Turbulence in Incompressible Viscous Fluid for very large Reynolds Numbers', *Doklady ANSSSR.* **30**, 301-304.

- Leahey, M. D. y Hansen, M. C.: 1985, 'Meteorological Evidence for greater Dispersion of Elevated Plumes', *J. Air Poll. Contr. Assoc.* **35**, 828-830.
- Leahey, M. D., Hansen, M. C. y Schroeder, M. B.: 1988, 'An Analysis of Wind Fluctuation Statistics Collected under Stable Atmospheric Conditions at Three Sites in Alberta, Canada', *J. Appl. Meteorol.* **27**, 774-777.
- Leahey, D. M., Hansen, M. C. y Schroeder, M. B.: 1994, 'Variations of Wind Fluctuations Observed at 10 m over Flat Terrain under Stable Atmospheric Conditions', *J. Appl. Meteorol.* **33**, 712-720.
- Leahey, D. M., Hansen, M. C. y Schroeder, M. B.: 1995, 'Variations of Wind Fluctuations Observed at 10 m over Flat Terrain under Unstable Atmospheric Conditions', *J. Appl. Meteorol.* **34**, 1430-1438.
- Lenschow, D. H., Li, X. S., Zhu, C. J. y Stankov, B. B.: 1988a, 'The Stably Stratified Boundary Layer over the Great Plains. Part I: Mean and Turbulence Structure', *Boundary-Layer Meteorol.* **42**, 95-121.
- Lenschow, D. H., Zhang, S. F. y Stankov, B. B.: 1988b, 'The Stably Stratified Boundary Layer over the Great Plains. Part II: Horizontal Variations and Spectra', *Boundary-Layer Meteorol.* **42**, 123-135.
- Lord, G. J., Pardo-Igúzquiza, E. y Smith, I. M.: 2000, *A Practical Guide to Wavelets for Metrology*, NPL Report CMSC 02/00
- Mahrt, L.: 1985, 'Vertical Structure and Turbulence in the Very Stable Boundary Layer', *J. Atmos. Sci.* **42**, 2333-2349.
- Mahrt, L. : 1989, 'Intermittency of Atmospheric Turbulence', *J. Atmos. Sci.* **46**, 79-95.
- Mahrt, L.: 1998, 'Stratified Atmospheric Boundary Layers and Breakdown of Models', *J. Theor. Comput. Fluid Dyn.* **11**, 263-280.
- Mahrt, L.: 1999, 'Stratified Atmospheric Boundary Layer'. *Boundary-Layer Meteorol.* **90**, 375-396.
- Mahrt, L. y Gamage, N.: 1987, 'Observations of Turbulence in Stratified Flow', *J. Atmos. Sci.* **44**, 1106-1121.
- Mahrt, L. y Larsen, S.: 1982, 'Small Scale Drainage Front', *Tellus.* **34**, 579-587.
- Mahrt, L. y Larsen, S.: 1990, 'Relation of Slope Winds to the Ambient Flow over Gentle Terrain', *Boundary-Layer Meteorol.* **53**, 93-102.
- Mahrt, L. y Vickers, D.: 2002, 'Contrasting Vertical Structures of Nocturnal Boundary Layers', *Boundary-Layer Meteorol.* **105**, 351-363.
- Mahrt, L., Vickers, D., Howell, J., Edson, J., Hare, J. Højstrup, J. y Wilczak, J.: 1996, 'Sea Surface Drag Coefficients in RASEX', *J. Geophys. Res.* **101**, 14.327-14.335.
- Mahrt, L., Vickers, D., Nakamura, R., Sun, J., Burns, S., Lenschow, D. y Soler, M. R.: 2001, 'Shallow Drainage and Gully Flows', *Boundary-Layer Meteorol.* **101**, 243-260.
- Mahrt, L., Sun, J., Blumen, W., Delany, T. y Oncley, S.: 1998, 'Nocturnal Boundary-Layer Regimes', *Boundary-Layer Meteorol.*, **88**, 255-278.
- Malhi, Y. S.: 1995, 'The Significance of the Dual Solutions for Heat Fluxes Measured by the Temperature Fluctuation Method in Stable Conditions', *Boundary-Layer Meteorol.* **74**, 389-396.
- Martin, J. R.: 1979, *Recommended Guide for the Prediction of the Dispersion of Airbone Effluents*. The American Society of Mechanical Engineers, 87 pp.
- McMillen, R.: 1988, 'An Eddy Correlation Technique with Extended Applicability to non-simple Terrain', *Boundary-Layer Meteorol.* **43**, 231-245.
- Mellor, G. L.: 1973, 'Analytic Prediction of Properties of Stratified Planetary Surface Layers', *J. Atmos. Sci.* **30**, 1061-1069.
- Monin, A. S. y Obukhov, A. M.: 1954, 'Basic Turbulent Mixing Laws in the Atmospheric Surface Layer'. *Trans. Akad. Nauk SSSR. Geofiz. Inst.* **151**, 163-187.
- Monin, A. S. y Yaglom, A. M.: 1971, *Statistical Fluid Mechanics: Mechanics of Turbulence*, Vol. 1. MIT Press, Cambridge, Massachusetts, 769 pp.
- Nappo, C. J.: 1991, 'Sporadic Breakdowns of Stability in the PBL over Simple and Complex Terrain', *Boundary-Layer Meteorol.* **54**, 69-87.

- Nappo, C. J. y Johansson, P.-E.: 1999, 'Summary Report of the Lovanger International Workshop on Turbulence and Diffusion in the Stable Planetary Boundary Layer', *Boundary-Layer Meteorol.* **90**, 345-374
- Newsom, R. K. y Banta, R. M.: 2002, 'Shear Instability Gravity Waves in the Stable Nocturnal Boundary Layer as Observed by Doppler Lidar during CASES-99', *J. Atmos. Sci.*, en prensa.
- Nieuwstadt, F. T. M.: 1984a, 'Some Aspects of the Turbulent Stable Boundary Layer', *Boundary-Layer Meteorol.* **30**, 31-55.
- Nieuwstadt, F. T. M.: 1984b, 'The Turbulent Structure of the Stable Nocturnal Boundary Layer', *J. Atmos. Sci.* **41**, 2202-2216.
- Ohya, Y. D., Neff, E. y Meroney, R. N.: 1997, 'Turbulence Structure in a Stratified Boundary Layer under Stable Conditions', *Boundary-Layer Meteorol.* **83**, 139-161.
- Oncley, S. P., Friehe, C. A., LaRue, J. C., Businger, J. A., Itsweire, E. C. y Chang, S. A.: 1996, 'Surface-Layer Fluxes, Profiles, and Turbulence Measurements over Uniform Terrain under Near-Neutral Conditions', *J. Atmos. Sci.* **53**, 1029-1044.
- Ostdiek, V. y Blumen, W.: 1997, 'A Dynamic Trio: Inertial Oscillation, Deformation Frontogenesis, and the Ekman-Taylor Boundary Layer', *J. Atmos. Sci.* **54**, 1490-1502.
- Palmer, T. L., Fritts, D. C. y Andreassen, O.: 1996, 'Evolution and Breakdown of Kelvin-Helmholtz Billows in Stratified Compressible Flows. Part II: Instability, Structure, Evolution, and Energetics', *J. Atmos. Sci.* **53**, 3192-3212.
- Panofsky, H. A., H. Tennekes, D. H. Lenschow y J. C. Wyngaard: 1977, 'The Characteristics of Turbulent Velocity Components in the Surface Layer under Convective Conditions', *Boundary-Layer Meteorol.* **11**, 355-361.
- Panofsky, H. A. y Dutton, J. A.: 1984, *Atmospheric Turbulence*, Wiley-Interscience, New York, 397 pp.
- Pasquill, F.: 1961, 'The Stimulation of the Dispersion of Windborne Material', *Meteor. Mag.* **90**, 33-49.
- Pasquill, F. y Smith, F.B.: 1983, *Atmospheric Diffusion*, Ellis-Horwood, 437 pp.
- Poulos, G. S., Blumen, W., Fritts, D. C., Lundquist, J. K., Sun, J., Burns, S. P., Nappo, C., Banta, R., Newsome, R., Cuxart, J., Terradellas, E., Balsley, B. y Jensen, M.: 2002, 'CASES-99: A Comprehensive Investigation of the Stable Nocturnal Boundary Layer', *Bull. Amer. Meteorol. Soc.* **83**, 555-581.
- Rees, J. M.: 1991, 'On the Characteristics of Eddies in the Stable Atmospheric Boundary Layer', *Boundary-Layer Meteorol.* **55**, 325-343.
- Rees, J.M., Denholm-Price, J. C.W., King, J. C. y Anderson, P. S.: 2000, 'A Climatological Study of Internal Gravity Waves in the Atmospheric Boundary Layer', *J. Atmos. Sci.* **57**, 511-526.
- Rodriguez, R.: 1995, *Análisis de Series Meteorológicas. Evaluación del Cambio climático*, Tesis Doctoral. Universitat de Barcelona.
- Ruscher, P. y Mahrt, L.: 1989, 'Coherent structures in the Very Stable Atmospheric Boundary Layer', *Boundary-Layer Meteorol.* **47**, 51-54.
- San Jose, R., Casanova, J. L., Viloria, R. E. y Casanova, J.: 1985, 'Evaluation of the Turbulent Parameters of the Unstable Surface Boundary Layer outside Businger's Range', *Atmos. Environ.* **19**, 1555-1461.
- Schonwise, C. D.: 1987, 'Moving Spectral Variance and Coherence analysis and some Applications on Long Air Temperature Series', *J. Climate Appl. Meteorol.* **26**, 1723-1730.
- Scorer, R. S.: 1958, *Natural Aerodynamics*. Pergamon Press, 312 pp.
- Scorer, R. S.: 1997, *Dynamics of Meteorology and Climate*. John Wiley & Sons, 686 pp.
- Smedman, A. S.: 1988, 'Observations of a Multi-Level Turbulence Structure in a Very Stable Atmospheric Boundary Layer', *Boundary-Layer Meteorol.* **44**, 231-253.
- Smedman, A. -S.: 1991, 'Some Turbulence Characteristics in the Stable Atmospheric Boundary Layer', *J. Atmos. Sci.* **48**, 856-868.
- Soler, M. R., Hinojosa, J. y Buenestado, P.: 1995, *Contribució a la Modelització de la Difusió de Contaminants al Camp de Tarragona mitjançant un Sodar Doppler i una Torre Meteorològica*, Departament de Medi Ambient de la Generalitat de Catalunya.

- Soler, M. R., Hinojosa, J. y Buenestado, P.: 1996, *Estudi de la Capa Fronterera Atmosfèrica mitjançant l'Anàlisi de les Dades Meteorològiques subministrades pel Sodar Doppler i la Torre Meteorològica. Aplicació a la Dispersió de Contaminants*, Departament de Medi Ambient de la Generalitat de Catalunya.
- Soler, M. R., Hinojosa, J. y Buenestado, P.: 1997, *Estudi de l'Estructura Superficial i Vertical de la Capa Fronterera Atmosfèrica. Aplicació a la Dispersió de Contaminants*. Departament de Medi Ambient de la Generalitat de Catalunya.
- Soler, M. R., Hinojosa, J. y Buenestado, P.: 1998, *Observació, Anàlisi i Estudi de la Capa Fronterera Atmosfèrica. Aplicació a la Modelització de la Dispersió de Contaminants*. Departament de Medi Ambient de la Generalitat de Catalunya.
- Soler, M. R., Infante, C., Buenestado, P. y Mahrt, L.: 2002, 'Observations Of Nocturnal Drainage Flow In A Shallow Gully', *Boundary-Layer Meteorol.* **105**, 253-273.
- Sorbjan, Z.: 1988, 'Structure of the Stably-Stratified Boundary Layer during the SESAME-1979 Experiment', *Boundary-Layer Meteorol.* **44**, 255-266.
- Sorbjan, Z.: 1989, *Structure of the Atmospheric Boundary Layer*, Prentice Hall, U.S.A., 317 pp.
- Stull, R. B.: 1988, *An Introduction to Boundary Layer Meteorology*, Kluwer Academic Press, Dordrecht, The Netherlands, 666 pp.
- Stull, R. B.: 2000, *Meteorology for Scientists and Engineers*, Eds. Brooks-Cole, Pacific Grove, CA, 502 pp.
- Sun, J., Burns, S. P., Lenschow, D. H., Banta, R., Newsom, R., Coulter, R., Frasier, S., Ince, T., Nappo, C., Cuxart, J., Blumen, W., Lee, X. y Hu, X.Z.: 2002, 'Intermittent Turbulence Associated with a Density Current Passage in the Stable Boundary Layer', *Boundary-Layer Meteorol.* **105**, 199-219.
- Tennekes, H. y J. L. Lumley: 1972: *A First Course in Turbulence*, MIT Press, Cambridge, 300 pp.
- Terradellas, E., Morales, G., Cuxart, J. y Yagüe, C.: 2001, 'Wavelet Methods: Application to the Study of the Stable Atmospheric Boundary Layer Under Non-Stationary Conditions', *Dyn. Atmos. Oceans*, **34**, 225-244.
- Torrence, C. y Compo, G. P.: 1998, 'A Practical Guide to Wavelet Analysis', *Bull. Am. Meteorol. Soc.* **79**, 61-78.
- Townsend, A. A.: 1976, 'The Structure of Turbulent Shear Flow', Cambridge University Press, Cambridge, 429pp.
- Van Ulden, A. P. y Wieringa, J.: 1996, 'Atmospheric Boundary-Layer Research at Cabauw', *Boundary-Layer Meteorol.* **78**, 34-69.
- Vickers, D. y Mahrt, L.: 1997, 'Quality Control and Flux Sampling Problems for Tower and Aircraft Data', *J. Atmos. Oceanic Tech.* **14**, 512-526.
- Vickers, D. y Mahrt, L.: 2001, 'CASES99 Tower Data' (<http://moppet.oce.orst.edu/Software/QC-v2>).
- Weber, A. H. y Kurzeja, R. J.: 1991, 'Nocturnal Planetary Boundary Layer Structure and Turbulence Episodes during the Project STABLE Field Program', *J. Appl. Meteorol.*, **30**, 1117-1133.
- Werne, J. y Fritts, D. C.: 1999, 'Stratified Shear Turbulence: Evolution and Statistics', *Geophys. Res. Lett.*, **26**, 439-442.
- Wyngaard, J. C.: 1973, 'On Surface-Layer Turbulence', in D. A. Haugen (ed.), *Workshop on Micrometeorology*, Amer. Meteorol. Soc., Boston, 101-149.
- Yaglom, A. M.: 1977, 'Comments on Similarity Laws for Constant Pressure and Pressure Gradient Wall Flows'. *Ann. Rev. Fluid Mech.* **11**, 505-540.
- Yagüe, C. y Cano, J. L.: 1994, 'Eddy Transfer Processes in the Atmospheric Boundary Layer', *Atmos. Environ.* **28**, 1275-1289.
- Zilitinkevich, S. S. y Chalikov, D. V.: 1968, 'Determining the Universal Wind-Velocity and Temperature Profiles in the Atmospheric Boundary Layer' *Izv. Atmospheric and Oceanic Physics* 4, 294-302 (Versión inglesa 165-170)
- Zilitinkevich, S. S. y Mironov, D.: 1996, 'A Multi-Limit Formulation for the Equilibrium Depth of a Stably Stratified Boundary Layer', *Boundary-Layer Meteorol.* **81**, 325-351.