Clouds and climate: Radiation, circulation, and precipitation

Chapter	Title	Authors, leads in italic
1	A Survey of the Scientific Literature on Cloud Physics over Time	Sylvia Sullivan and Corinna Hoose, Karlsruhe Institute of Technology
2	Cloud-Radiation Interactions and Cloud- Climate Feedbacks from an Active-Sensor Satellite Perspective	Gregory Cesana, Columbia University Andrew Ackerman, Goddard Institute for Space Studies
3	An Overview of Aerosol-Cloud Interactions	Hamish Gordon, Carnegie Mellon University Daniel McCoy, University of Wyoming Franziska Glassmeier, TU Delft Anna Possner, Goethe Uni Frankfurt
4	Ice Particle Properties and Cirrus Emissivity	Emma Järvinen, Karlsruhe Institute of Technology Bastiaan van Diedenhoven, NASA Goddard Institute for Space Studies
5	Mixed-Phase Clouds and Arctic amplification	Ivy Tan, McGill University Georgia Sotiropoulou, University of Stockholm Manfred Wendisch, University of Leipzig Patrick Taylor, NASA Goddard Lauren Zamora, University of Maryland
6	Extratropical Cloud Feedbacks	Daniel McCoy, University of Leeds
7	Mesoscale Convective Systems	Sudip Chakraborty, JPL Zhe Feng, PNNL Sylvia Sullivan, Karlsruhe Institute of Technology

8	Feedbacks of Convective Organization with Surface Temperature and Circulation	Jan Härter, Niels Bohr Institute Caroline Muller, LMD
9	Interactions between Tropical Clouds and Larger-Scale Circulation in Present and Future Climate	Kathleen Schiro, University of Virginia Hui Su, JPL
10	Tropical Marine Low Clouds: Feedbacks to Warming and on Climate Variability	Timothy Myers, LLNL Raphaela Vogel, LMD Florent Brient, CNRM Meteo-France Hossein Parishani, UCI Ryan Scott, Science Systems and Applications Inc
11	Clouds and Radiatively-Induced Circulations	Tra Dinh, University of Auckland Blaž Gasparini, University of Washington Gilles Bellon, University of Auckland
12	Small-Scale Mixing and its Impacts on Microand Macroscale Cloud Properties	Fabian Hoffmann, NOAA CIRES
13	Convective Available Potential Energy and its Relation to Precipitation Extremes	Yanluan Lin, Tsinghua University Wenhao Dong, GFDL
14	Precipitation Efficiency and Climate Sensitivity	Nicholas Lutsko, Scripps Institute of Oceanography Ming Zhao, Geophysical Fluid Dynamics Laboratory Steve Sherwood, University of New South Wales
15	Cloud Phase and Precipitation	Johannes Mülmenstädt, TROPOS / University of Leipzig Jen Kay, University of Colorado Boulder Andrew Heymsfield, NCAR

		Paul Field, Spec Inc.
16	Satellite Precipitation Measurements: What Have We Learnt About Cloud-Precipitation Processes from Space?	Maki Kikuchi, Japan Aerospace Exploration Agency Scott Braun, NASA Kentaroh Suzuki, University of Tokyo Guosheng Liu, Florida State University Alessandro Battaglia, University of Leicester
17	Machine Learning for Clouds and Climate	Tom Beucler, University of California Irvine Imme Ebert-Uphoff, Colorado State University Stephan Rasp, LMU Mike Pritchard, University of California Irvine Pierre Gentine, Columbia University