

Clouds and climate: Radiation, circulation, and precipitation

Chapter	Title	Lead author
1	A Survey of the Scientific Literature on Cloud Physics over Time	Sylvia Sullivan, Karlsruhe Institute of Technology
2	Cloud-Radiation Interactions and Cloud-Climate Feedbacks from an Active-Sensor Satellite Perspective	Gregory Cesana, Columbia University
3	An Overview of Aerosol-Cloud Interactions	Hamish Gordon, Carnegie Mellon University
4	Ice Particle Properties and Cirrus Emissivity	Emma Järvinen, Karlsruhe Institute of Technology
5	Mixed-Phase Clouds and Arctic Amplification	Ivy Tan, McGill University
6	Extratropical Cloud Feedbacks	Daniel McCoy, University of Leeds
7	Mesoscale Convective Systems	Sudip Chakraborty, JPL
8	Feedbacks of Convective Organization with Surface Temperature and Circulation	Jan Härter, Niels Bohr Institute
9	Interactions between Tropical Clouds and Larger-Scale Circulation in Present and Future Climate	Kathleen Schiro, University of Virginia
10	Tropical Marine Low Clouds: Feedbacks to Warming and on Climate Variability	Timothy Myers, LLNL

11	Clouds and Radiatively-Induced Circulations	Tra Dinh, University of Auckland
12	Small-Scale Mixing and its Impacts on Micro- and Macroscale Cloud Properties	Fabian Hoffmann, Ludwig-Maximilians-Universität München
13	Convective Available Potential Energy and its Relation to Precipitation Extremes	Yanluan Lin, Tsinghua University
14	Precipitation Efficiency and Climate Sensitivity	Nicholas Lutsko, Scripps Institute of Oceanography
15	Cloud Phase and Precipitation	Johannes Mülmenstädt, PNNL
16	Satellite Precipitation Measurements: What Have We Learnt About Cloud-Precipitation Processes from Space?	Maki Kikuchi, Japan Aerospace Exploration Agency
17	Machine Learning for Clouds and Climate	Tom Beucler, University of California Irvine