

International Summer school on “Clouds and Climate”



Les Houches, France, June 24 - July 5, 2013

Agenda

Summerschool on Clouds and Climate: Les Houches

(Subject to revision - Last Updated 21 June, 2013)

Monday June 24

15:00-18:00 Registration
19:30 Dinner

Tuesday June 25

09:00 - 09:15	Opening	Pier/Sandrine/Björn/Christian
09:15 - 10:15	Introduction to Clouds & Climate (1)	Louise Nuijens
10:15 - 10:30	Coffee	
10:30 - 11:30	Introduction to Clouds & Climate (2)	Louise Nuijens
11:30 - 12:00	Introduction to the Student Challenges	Pier/Sandrine/Björn/Christian
12:30 - 14:00	Lunch	
14:00 - 15:45	Rapid Poster Introduction by Participants	
15:45 - 16:00	Break	
16:00 - 18:30	Poster Viewing	
18:30 - 19:30	Welcome drinks	
19:30	Dinner	



Wednesday June 26

09:00 - 10:00	Clouds & Radiation (1)	Hélène Chepfer
10:00 - 10:15	Coffee /Tea	
10:15 - 11:15	Clouds & Thermodynamics (1)	Bjorn Stevens
11:15 - 11:30	Break	
11:30 - 12:30	Clouds & Microphysics (1)	Hanna Pawlowska
12:30 - 14:00	Lunch	
14:00 - 17:00	Free Time for the Student Challenges/ Discussions	
18:00 -19:00	Conceptual and Theoretical Models (1)	Stephan de Roode
19:30	Dinner	
21:00 - 22:00	Special Evening Lecture: the evolution of the mountain in the current context of global warming	Ludovic Ravel

Thursday June 27

09:00 - 10:00	Clouds & Radiation (2)	Hélène Chepfer
10:00 - 10:15	Coffee /Tea	
10:15 - 11:15	Clouds & Thermodynamics (2)	Björn Stevens
11:15 - 11:30	Break	
11:30 - 12:30	Clouds & Microphysics (2)	Hanna Pawlowska
12:30 - 14:00	Lunch	
16:00 - 17:30	Panel discussion 1	
18:00 - 19:00	Cloud Resolving Models (1)	Françoise Guichard
19:30	Savoyard Dinner	

Friday June 28

09:00 - 10:00	Conceptual and Theoretical Models (2)	Stephan de Roode
10:00 - 10:15	Coffee /Tea	
10:15 - 11:15	Cloud Process representation in Large Scale Models (1)	Pier Siebesma
11:15 - 11:30	Break	
11:30 - 12:30	Cloud Resolving Models (2)	Françoise Guichard
12:30 - 14:00	Lunch	
14:00 - 17:00	Free Time for the Student Challenges/ Discussions/Lecture Feedbacks	
18:00 - 19:00	Evaluation of clouds in Large Scale Models (1)	Christian Jakob
19:30	Dinner	
21:00 -22:00	Special Evening Lecture: Radiative-Convective Instability	Kerry Emanuel

Saturday June 29

09:00 - 10:00	Cloud Resolving Models (3)	Françoise Guichard
10:00 - 10:15	Coffee /Tea	
10:15 - 11:15	Conceptual and Theoretical Models (3)	Stephan de Roode
11:15 - 11:30	Break	



(continued from Saturday June 29)

11:30 - 12:30 Cloud Process representation in Large Scale Models (2) Pier Siebesma

12:30 - 14:00 Lunch

14:00 - 19:00 Free Time for the Student Challenges/ Discussions/Lecture Feedbacks

19:30 Dinner

Sunday June 30

Excursion

19:30 Dinner

Monday July 1st

09:00 - 10:00 Tropical and Subtropical Systems (1) Gilles Bellon

10:00 - 10:15 Coffee /Tea

10:15 - 11:15 Clouds and Climate Sensitivity (1) Sandrine Bony

11:15 - 11:30 Break

11:30 - 12:30 Cloud Process representation in Large Scale Models(3) Pier Siebesma

12:30 - 14:00 Lunch

16:00 – 17:30 Panel discussion 2

18:00 -19:00 Evaluation of clouds in Large Scale Models (2) Christian Jakob

19:30 Dinner

21:00 -22:00 Special Evening Lecture: Uncertainty in Weather and climate Prediction
Julia Slingo

Tuesday July 2

09:00 - 10:00 Clouds and Climate Sensitivity (2) Sandrine Bony

10:00 - 10:15 Coffee /Tea

10:15 - 11:15 Tropical and Subtropical Systems (2) Gilles Bellon

11:15 - 11:30 Break

11:30 - 12:30 Extratropical and Polar Cloud Systems (1) Gunilla Svensson

12:30 - 14:00 Lunch

14:00 - 17:00 Free Time for the Student Challenges/ Discussions/Lecture Feedbacks

18:00 -19:00 Evaluation of clouds in Large Scale Models (3) Christian Jakob

19:30 Dinner

Wednesday July 3

09:00 - 10:00 Clouds and Aerosols (1) Johannes Quaas

10:00 - 10:15 Coffee /Tea

10:15 - 11:15 Clouds and Land Surface Interaction (1) Cathy Hohenegger

11:15 - 11:30 Break

11:30 - 12:30 Tropical and Subtropical Systems (3) Gilles Bellon



(continued from Wednesday July 3)

12:30 - 14:00 Lunch

14:30 - 15:00 Student presentation Super problem 1
15:00 - 15:30 Student presentation Super problem 2
16:00 - 16:30 Student presentation Super problem 3
16:30 - 17:00 Student presentation Super problem 4

18:00 -19:00 Extratropical and Polar Cloud Systems (2) Gunilla Svensson

19:30 Dinner

21:00 -22:00 Special Evening Lecture: Cloud-radiative feedbacks and the Madden-Julian oscillation Adam Sobel

Thursday July 4

09:00 - 10:00 Clouds and Climate Sensitivity (3) Sandrine Bony
10:00 - 10:15 Coffee /Tea
10:15 - 11:15 Clouds and Land Surface Interaction (2) Cathy Hohenegger
11:15 - 11:30 Break
11:30 - 12:30 Extratropical and Polar Cloud Systems (3) Gunilla Svensson

12:30 - 14:00 Lunch

14:30 - 15:15 Student debate 1
15:30 - 16:15 Student debate 2
16:30 - 17:15 Student debate 3

18:00-19:00 Clouds and Aerosols (2) Johannes Quaas

19:30 Dinner

21:00 - 22:00 Special Evening Lecture: Understanding the Monsoon Dynamics Simona Bordoni

Friday July 5

09:00 - 10:00 Clouds and Land Surface Interaction (3) Cathy Hohenegger
10:00 - 10:15 Coffee /Tea
10:15 - 11:15 Clouds and Aerosols (3) Johannes Quaas
11:15 - 11:30 Break
11:30 - 12:30 Conclusions and Overview Björn Stevens

12:30 - 14:00 Farewell Lunch

