

Programme

Day 1 - Monday	
13:00 - 14:00	Registration
14:00 - 14:30	Official Welcome: Univ. of Oxford / M. Doherty
14:30 - 15:30	Earth's Atmosphere - B. Kerridge
15:30 - 16:30	Atmospheric Observations and Models - H. Kelder
16:30 - 17:30	Current and Planned ESA Atmospheric Instruments - C. Zehner
18:00 - 20:00	<i>Icebreaker</i>

Day 2 - Tuesday	Instruments and Data Handling
09:00 - 10:00	UV/VIS Nadir Viewing Atmospheric Instruments/Data (GOME, SCIAMACHY, OMI) - H. Kelder
10:00 - 11:00	UV/VIS Limb Viewing Instruments/Data (GOMOS, Odin) - E. Kyrola
11:00 - 11:15	Coffee Break
11.15 - 12:15	IR Limb Viewing Instruments/Data (MIPAS, ACE) - B. Carli
12:15 - 14:00	Lunch Break
14:00 - 15:00	IR Nadir Viewing Instruments/Data (IASI, TES) - B. Kerridge
15:00 - 16:00	ESA Atmospheric Data/Access/Tools - C. Zehner
16:00 - 16:30	Coffee Break

16:30 - 18:00	Practical on ESA Atmospheric Data Handling - S. Niemeijer
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Day 3 - Wednesday	Retrieval and Radiative Transfer
09:00 - 10:00	Principles of Retrieval Theory - C. Rodgers
10:00 - 11:00	UV/VIS Nadir Retrieval (DOAS) - H. Kelder
11:00 - 11:15	Coffee Break
11.15 - 12:15	UV/VIS Limb Retrieval - E. Kyrola
12:15 - 14:00	Lunch Break
14:00 - 15:00	IR Limb Retrieval - B. Carli
15:00 - 16:00	MW/IR Nadir Retrieval - B. Kerridge
16:00 - 16:30	Coffee Break
16:30 - 18:00	Practical on Retrieval/Radiative Transfer Theory - C. Rodgers

Day 4 - Thursday	Validation/Modelling
09:00 - 10:00	Error Analysis for Retrieval Methods - C. Rodgers
10:00 - 11:00	In-situ Data needed for Satellite Data Validations - H. Kelder
11:00 - 11:15	Coffee Break
11.15 - 12:15	Data Intercomparison/Validation Methods - B. Kerridge
12:15 - 14:00	Lunch Break
14:00 - 15:00	Data Intercomparison/Validation/Examples (GOMOS, Odin) - E. Kyrola

15:00 - 16:00	Data Intercomparison/Validation/Examples (MIPAS) - B. Carli
16:00 - 16:30	Coffee Break
16:30 - 18:00	Practical on Retrievals/Validation - E. Kyrola

Day 5 - Friday	Modelling/Data Assimilation
09:00 - 10:00	Basics on Modelling - H. Kelder
10:00 - 11:00	Basics on Data Assimilation - H. Elbern
11:00 - 11:15	Coffee Break
11.15 - 12:15	Modelling 2 - H. Kelder
12:15 - 14:00	Lunch Break
14:00 - 15:00	Data Assimilation in the Stratosphere - H. Elbern
15:00 - 16:00	Data Assimilation in the Troposphere - H. Elbern
16:00 - 16:30	Coffee Break
16:30 - 18:00	Practical on Data Assimilation - H. Elbern
<i>20:00 Social Event</i>	

Day 6 - Saturday	
09:00 - 10:00	Challenges for Upper Atmospheric Research - E. Kyrola
10:00 - 11:00	Challenges for Stratospheric Research - B. Carli

11:00 - 11:30	Coffee Break - Questionnaire
11.30 - 12:30	Challenges for Tropospheric Research - B. Kerridge
12:30 - 13:30	Lunch Break
13:30 - 13:40	Ozone Hole - Presentation by Student Group 1
13:40 - 13:50	Ozone Hole - Presentation by Student Group 2
13:50 - 14:00	Summary of the Training Course - ESA/Univ. of Oxford
14:00 - 15:00	Closing Words - Certificates