

Fundamental Problems in Climate Dynamics

May 4-13, 2009

MAY 4, 2009

Issac Held: The cycles of energy angular momentum and water in the atmosphere. Part I (5/4/09 9 AM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/4ee537f4-4f8f-42da-aa5a-c07cda3b0fe1>

MAY 5, 2009

Tapio Schneider: The role of macroturbulence in the global circulation of the atmosphere (5/5/09 9 AM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/090f7466-ca0c-4768-bf0b-59f4f2fabf59>

Tapio Schneider: Water vapor and the dynamics of climate change (5/5/09 11AM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/090f7466-ca0c-4768-bf0b-59f4f2fabf59>

John Marshall: Exploring the role of the ocean in climate - Part I (5/5/09 2 PM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/d2ddf7bf-4dcf-4450-a261-22e1af80a726>

John Marshall: Exploring the role of the ocean in climate - Part II (5/5/09 4 PM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/c2628ec9-a1e0-4657-b058-163f717a7db1>

MAY 6, 2009

Bjorn Stevens, Thermodynamics for multi-phase, atmospheric flows (5/6/09 9 AM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/5eb26623-e83a-4151-b50a-702ffb01280b>

David Neelin: Moist convection and large-scale circulation (5/6/09 11 AM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/c809b414-8fb3-4438-840f-762bc6bbbb63>

Bjorn Stevens: Cloud forcing and feedbacks (5/6/09 2 PM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/89667f6a-7d7a-4020-a9d3-29332e22c417>

David Neelin: Moist convection and large-scale circulation (5/6/09 4 PM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/47359755-f903-409c-9411-b127fac8d184>

MAY 7, 2009

Andy Majda: Low frequency climate response by fluctuation dissipation theorems: theory and practice. Part I (5/7/09 9 AM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/cd296e27-5370-4079-a054-01af94393161>

Andy Majda: Low frequency climate response by fluctuation dissipation theorems: theory and practice. Part II (5/7/09 11 AM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/5e96479d-a6ea-41fb-bb46-e9a34b5509bb>

Grant Branstator: Applying the fluctuation-dissipation theorem to problems in atmospheric response (5/7/09 2 PM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/49fd0a42-335e-4cf1-bd27-ec08700a8f3e>

Grant Branstator: Climate change and intrinsic atmospheric modes of variability (5/7/09 4 PM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/c8aef88d-4f61-4487-9444-fe0281aa59c8>

MAY 8, 2009

Peter Huybers: Pleistocene glaciation: Northern Hemisphere onset, orbital forcing and the 40ky glacial cycles (5/8/09 9 AM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/833b201e-6576-4b90-b94d-c7c599fbb845>

Peter Huybers: Pleistocene glaciation: The 100ky glacial cycles and symmetric variability between North and South (5/8/09 11 AM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/83de0224-bf85-44ea-8a7a-ebfdb50a85f7>

Ray Pierrehumbert: "Five Not-So-Easy-Pieces": A grand tour of grand challenges in climate. Part I (5/8/09 2 PM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/7ada1db2-b64c-4a8b-a369-e3a2ba0adc37>

Ray Pierrehumbert: "Five Not-So-Easy-Pieces": A grand tour of grand challenges in climate. Part II (5/8/09 4 PM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/41f5b9ab-c5ea-44eb-acf1-d6e94f09e3de>

MAY 11, 2009

Olivier Pauluis: Heat Engines and Humidifiers in the Tropics” Part I (5/11/09 9 AM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/9e1dc7ce-d9e9-4d2a-88e1-c14ff253db0c>

Olivier Pauluis: Heat Engines and Humidifiers in the Tropics” Part I (5/11/09 11 AM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/d440d3aa-ee89-4f38-a3d0-946e6f746892>

Adam Sobel: Idealized Models of the Tropics Part I (5/11/09 2 PM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/2517014e-cfa7-43b8-8e78-23095351fe0b>

Adam Sobel: Idealized Models of the Tropics Part II (5/11/09 4 AM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/a57e823c-60e5-418e-86d9-95bf93ab24f6>

MAY 12, 2009

Ed Gerber: The Stratosphere’s Role in Climate” Part I (5/12/09 9 AM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/452f79a2-4272-43d3-88f6-4dbbe4e1ffa5>

Ed Gerber: The Stratosphere’s Role in Climate” Part II (5/12/09 11 AM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/6ebe4572-157c-4263-9335-28e8e1cf7325>

Issac Held: Climate Sensitivity / Wrap Up (5/12/09 4 PM)

<http://encoder13.princeton.edu:8080/ess/echo/presentation/2e3540fb-e127-4c32-82f1-4ea4d040ca54>