Community Earth System Model (CESM) Tutorial 2015
NCAR Mesa Lab, Boulder, CO
10 – 14 August 2015

Main Seminar Room – morning lectures & practical intro
Damon Room / Library – afternoon practical labs

Monday, 10 August

8:30-8:45 Welcome, Intro, Logistics (Shields, Ballard)
8:45-9:45 Lecture 1: Introduction to the coupled system (Lamarque)
9:45-10:15 *Break*
10:15-11:15 Lecture 2: Atmosphere Modeling I: Intro & Dynamics (Bacmeister)
11:15-11:45 Practical Session 1 Intro: Introduction to NCAR computing environment (Kelly)
11:45-1:00 *Lunch (on your own)*
1:00-2:30 Practical Session 1 Intro: Run CESM (Bertini)
2:30-3:00 *Break (during Practical Lab)*
2:30-5:00 Practical Lab 1: Including computer setup
5:00-6:30 Reception: Mesa Lab cafeteria
Please find the interest-group sign up sheets to meet others in you area of interest.

Tuesday, 11 August

8:30-9:30 Lecture 3: Atmosphere Modeling II: Physics (Neale)
9:30-9:45 *Break*
9:45-10:45 Lecture 4: Atmos. Modeling III: Chemistry, Aerosols and WACCM (Tilmes, Mills)
10:45-11:05 *Break*
11:05-12:05 Lecture 5: Land Modeling I: Biogeophysics (Oleson)
12:05-1:30 *Lunch (on your own)*
1:30-2:30 Practical Session 2 Intro: Run CESM: Simple Modifications (Shields)
2:30-3:00 *Break (during Practical Lab)*
2:30-5:00 Practical Lab 2

Wednesday, 12 August

8:30-9:30 Lecture 6: Land Modeling II:
Biogeochemistry: Ecosystem Modeling and Land Use (P. Lawrence)
9:30-9:45 *Break*
9:45-10:45 Lecture 7: Ocean Modeling I (Munoz)
10:45-10:55 *Break*
10:55-12:00 Applications 1: Short talks (Karspeck (DART), Sanderson (Parameter Space), Brady (Paleo/Isotopes), van Ruijven (IAS, Building energy demand/CLM)
12:00-1:30 *Lunch (on your own)*
12:50-1:30 Porting Session (Edwards)
1:30-2:30 Practical Session 3 Intro: Diagnostics and Output (Phillips)
2:30-3:00 *Break (during Practical Lab)*
2:30-5:00 Practical Lab 3

Thursday, 13 August

8:30-9:30 Lecture 8: Ocean Modeling II (Gent)
9:30-9:45 *Break*
9:45-10:45 Lecture 9: Biogeochemistry (Lindsay)
10:45-11:05 *Break*
11:05-12:05 Lecture 10: Sea Ice Modeling (Bailey)
12:05 Photo
12:05-1:30 *Lunch (on your own)*
1:30-2:30 Practical Session 4 Intro: Namelist and Code Modifications (Hannay)
2:30-3:00 *Break (during Practical Lab)*
2:30-5:00 Practical Lab 4 (quiz)

Friday, 14 August

8:30-8:35 Greetings from the NCAR Director, Jim Hurrell
8:35-9:30 Lecture 11: Land Ice Modeling (Hoffman)
9:30-9:45 *Break*
9:45-10:45 Applications 2: Climate Predictions and Projections in the Coming Decades: Uncertainty due to Natural Variability (Deser)
10:45-11:00 *Break*
11:00-12:00 Practical Session 5 Intro:
Breakouts: Ocean/Sea Ice/Land Ice (Sacks, Bailey, Levy)
Land/BGC (Oleson, Kluzek, Lindsay)
Atmosphere/Chem/WACCM (Coleman, Tilmes, Mills)
12:00-1:00 *Lunch (on your own)*
2:30-3:00 *Break (during Practical Lab)*
1:00-3:00 Practical Lab 5