Workshop on The Parameterization of the Atmospheric Boundary Layer

UCLA Conference Center Lake Arrowhead, California, USA 14-16 June 2005

Organizers: João Teixeira (NRL/NURC), Bjorn Stevens (UCLA), Ric Cederwall

(LLNL) and Chris Bretherton (UW)

Sponsors: NASA and ONR

Workshop Agenda

Monday, June 13th 2005

16:00 - Check-In

18:30 – 20:00 Dinner

20:00 - CPT-PBL meeting

Tuesday, June 14th 2005

8:40 - 9:00 - Welcoming address: why are we here?

Session I: Climate and weather prediction models – Chair: James Doyle, NRL

9:00 – 9:40 Boundary layers and weather prediction – Anton Beljaars, ECMWF

9:40 – 10:20 Boundary layers and climate prediction – Chris Bretherton, U. Washington

10:20 - 10:40 Coffee break

Session II: Boundary Layers over the ocean – Chair: Chin-Hoh Moeng, NCAR

10:40 – 11:20 Stratus/Stratocumulus boundary layers – Adrian Lock, UKMO

11:20 – 12:00 Cumulus boundary layers – Bruce Albrecht, U. Miami

12:00 - 13:20 Lunch

13:20 – 14:00 Deep convection and the boundary layer – David Randall, CSU

14:00 – 14:40 Air-sea interactions – Chris Fairall, NOAA ETL

14:40 – 15:10 Coffee break

15:10 – 15:50 Mixed-layer parameterizations - Bjorn Stevens, UCLA

15:50 – 16:30 Mass-flux parameterizations – Pier Siebesma, KNMI

16:30 - 18:30 Free time.

18:30 - 20:00 Dinner

20:00 - Formal poster session

Wednesday, June 15th 2005

Session III - Boundary layers over land - Chair: Ric Cederwall 9:00 - 9:40 Stable boundary layers - Bert Holtslag, Wageningen Univ 9:40 - 10:20 Convective boundary layers - Jordi Villa, Wageningen Univ 10:20 - 10:40 Coffee break 10:40 - 11:20 Interaction with the land-surface - Alan Betts, Atmos. Res. 11:20 - 12:00 Boundary layers and orography - Andy Brown, UKMO 12:00 - 13:40 Lunch 13:40 - 14:20 Eddy-diffusivity closures and numerical aspects - Joao Teixeira, NRL/NURC 14:20 - 15:00 Higher-order closures and cloud parameterizations - C. Golaz,NRL/V.Larson,UWM 15:00 - 15:30 Coffee break 15:30 - 18:00 Working groups meet separately Dinner

Thursday, June 16th 2005

20:30 -

Working groups and recommendations

9:00 – 10:00 Plenary session: final summary and recommendations

Working group meetings (if necessary)

10:00 – 10:30 Coffee break

10:30 – 12:00 Plenary session: final summary and recommendations

12:00 - 13:00 Lunch