Readme file for idealized Model Runs   (4/15/2007)

The experiments and background information are contained in the file (*model_runs.ppt)*. The tar file (*sst_patterns.tar*) contains all the SST forcing anomaly patterns and the monthly climatology (SST and sea ice fractions) in NetCDF format.

Please note that all the anomaly files have already been given the correct amplitude – so these just need to be added to/subtracted from the climatology.

Regarding drought indices: it is important that you save the root zone moisture to allow calculating Randy's drought index
(see output list on page 6 of the ppt).

The files for the various experiments consist of:

1) The monthly climatology (based on 1902 –1999):
monthly_climatology_sst_ice.nc

2) The three main anomaly forcing patterns for the Pacific, Atlantic and Trend (rotated EOFs based on 1901–2004):
(see slide 3 in the ppt for the description of the experiments – HIGHEST PRIORITY)
Pacific_SST.nc
N_atl_SST.nc
Trend_SST.nc

3) The tropical–only part of the above Pacific and Atlantic patterns
(see slide 4 in the attached ppt for the description of the experiments)
Tropical_N_atl_SST.nc
Tropical_Pacific_SST.nc

4) The ENSO (residual) and low frequency Pacific patterns (as described in Appendix II of the ppt)
(see slide 4 in the ppt for the description of the experiments)
Residual_Pacific_SST.nc Lopass_Pacific_SST.nc

5) The soil moisture experiments are described in slide 4 of the ppt.

Please let me know if you plan to participate (and which runs in particular you would like to do). Also, if you have some idea of how long it will take to do the runs – that would help with planning. The long-term goal is to have these results for the joint DRICOMP/USCLIVAR drought workshop some time next year.

Siegfried