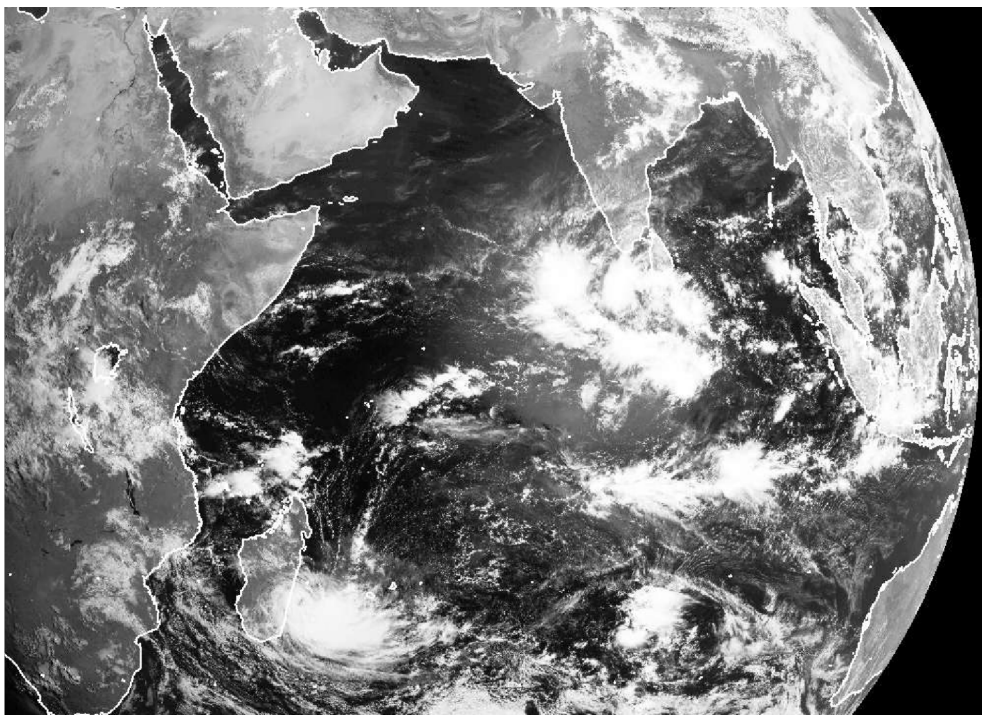


LUNCHTIME SEMINARS

School of Mathematical,
Physical and
Computational
Sciences

Chris Holloway

What can we learn about the real world from idealised models of convective aggregation?



Convective self-aggregation, the spontaneous clustering of convection in idealised simulations of radiative–convective equilibrium, is sometimes dismissed as being a model artefact or a result of conditions that are too simplified to be applicable to the real world. Here, I will argue that we have already learned some important things from these simulations about feedback processes (including radiation and circulation feedbacks) that have been shown to play a role in tropical phenomena including the MJO, tropical cyclones, the ITCZ, and both shallow and deep convective clustering. I will also look ahead to some remaining questions and avenues for further research.

Tuesday 11 February, 13:00–13:50 in GU01

and on Teams / Meteorology All / Internal (Tuesday) Seminar Series