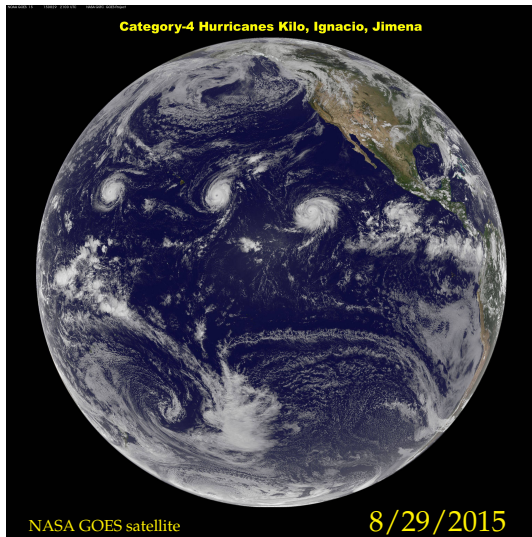


Clouds, climate, & the most important weather phenomenon you never heard of

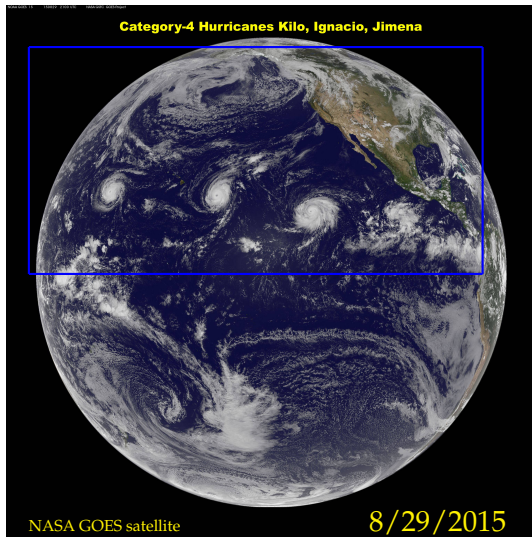


Sharon L. Sessions
New Mexico Tech
2015 49ers Tech Talk

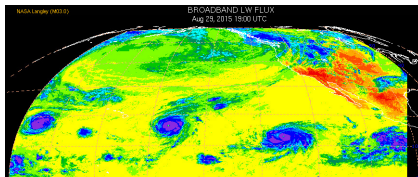
CLOUD ORGANIZATION



CLOUD ORGANIZATION



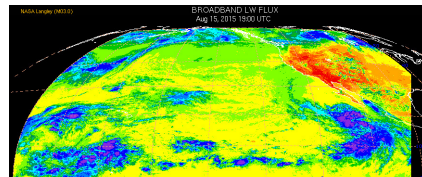
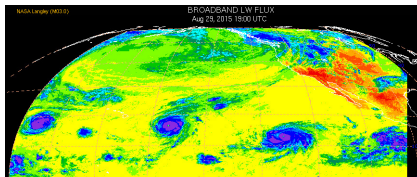
CLOUDS REGULATE GLOBAL TEMPERATURE



higher temperatures
promote organization

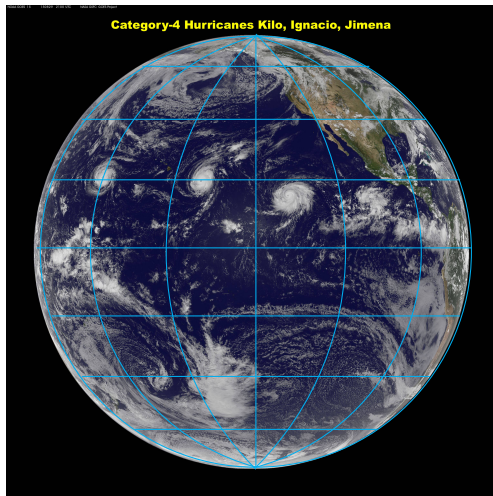
CLOUDS REGULATE GLOBAL TEMPERATURE

more radiation escapes

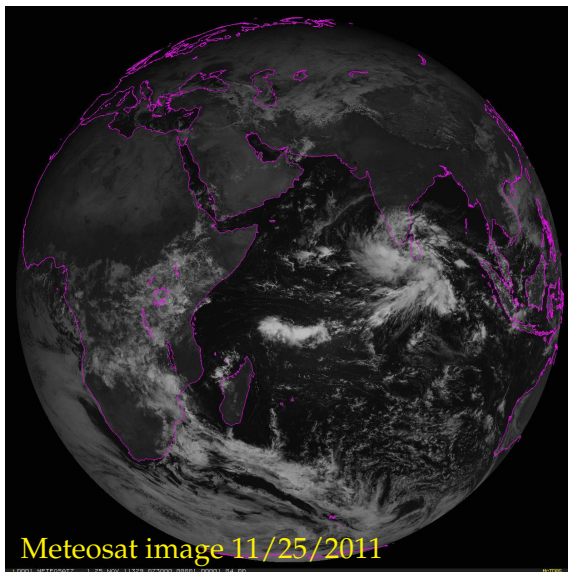


higher temperatures
promote organization

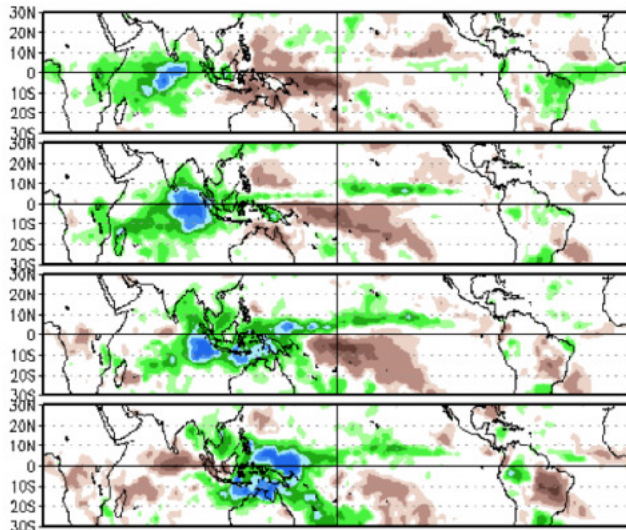
WHY IS MODELING THE CLIMATE SO HARD?



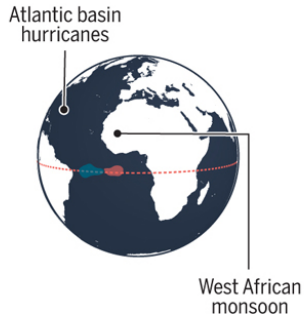
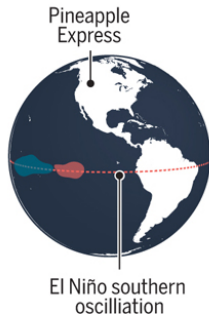
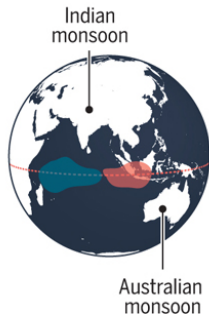
MADDEN-JULIAN OSCILLATION (MJO)



MADDEN-JULIAN OSCILLATION (MJO)



MADDEN-JULIAN OSCILLATION (MJO)



Eric Hand, Science 2015; 350:22-25

IN CLOSING...

