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Department of Atmospheric Sciences Seminar Announcement

Department of Atmospheric Sciences, S.O.E.S.T., University of Hawai'i at Mānoa
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Evidence for increasing tropical cyclone activity in the North Atlantic region over the 20th century

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You are invited to our weekly online Atmospheric Sciences Fall 2021 seminars via Zoom meeting.

When: October 27, 2021 at 3:30PM HST

Meeting admission: 3:15PM HST

Register in advance for this meeting:

<https://hawaii.zoom.us/j/911111111111>

After registering, you will receive a confirmation email containing information about joining the meeting.

Please save this information for future seminars.

Abstract:

I will present new results from downscaling tropical cyclones from three different 20th century reanalyses, which use only sea surface temperature and sea level pressure observations and show that the resulting time series of various tropical cyclone metrics matches that of historical observations of tropical cyclones. But the same downscaling over the whole globe shows essentially no detectable trends in cyclone activity over the same period. I will speculate about physical drivers of the Atlantic tropical cyclone trends, and also present a risk analysis for Hawaii.