2015 American Meteorological Society Annual Meeting
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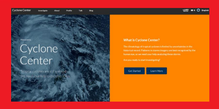
Poster 634




# CycloneCenter.org
## Crowd Sourcing Hurricane Intensity

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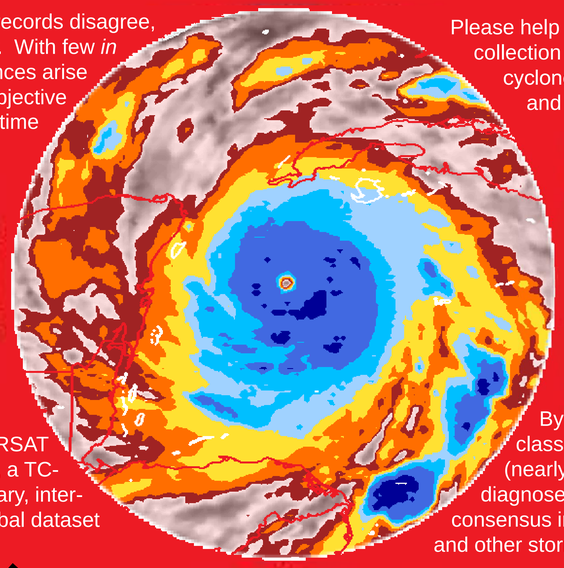
Global tropical cyclone records disagree, often quite dramatically. With few *in situ* observations, differences arise from changing data and subjective interpretation through time

Cyclone Center invites citizen scientists (really, anyone) to answer a few simple questions about an infrared TC image

Imagery is from the HURSAT B1 record (1978-2009), a TC-centric, geostationary, inter-calibrated global dataset



Responses are used to calculate the wind speed (intensity) of the TC at that time using a version of the Dvorak Technique, a highly-skilled algorithm used at all global TC centers

By collecting 10+ unique classifications for each image (nearly 3 million in total), we can diagnose uncertainty as well as consensus intensity, cloud patterns and other storm morphology

Intensity data may be used as a starting point for a global reanalysis, or for trend analysis

Please help us to complete our data collection by going to cyclonecenter.org. It's fun, free, and valuable

cyclonecenter.org

HURSAT B1

Hennon, C.C., and coauthors, 2015: Cyclone Center: Can Citizen Scientists Improve Tropical Cyclone Intensity Records? *In Press, Bulletin of the American Meteorological Society*

Knapp, K.R., and J.P. Kossin, 2007: New Global Tropical Cyclone Data From ISCCP B1 Geostationary Satellite Observations. *Journal of Applied Remote Sensing,* **1**, 013505.