

James Acker:

Our next presentation will be by Leonard Druyan at 10 AM EDT.

I'm going to get breakfast now!

James Acker:

We're getting Dr. Druyan set up now.

Thank you Dr. Druyan, your presentation is ready to go.

Click on the right arrow next to the slide counter to advance.

LEONARD DRUYAN:

I should add that this is from the TOVAS system of Giovanni. I did resize the images to suit my needs.

The diagonal swaths indicate northward propagation.

BTW, the data is centered near 25W over the Atlantic.

Note: 3 panels are for Aug 28, the 4th for Sept 3.

Blue arrows indicate wind direction.

James Acker:

Excellent illustration of the need for high temporal resolution data.

LEONARD DRUYAN:

This shows the importance of 3-hrly TRMM data.

Questions?

James Acker:

Dr. Druyan, do you know if this year's mid-Atlantic derecho propagated by the same mechanism?

LEONARD DRUYAN:

I have not been following current conditions.

Shall I scroll through one more time?

James Acker:

OK - I found a Web site of the event that showed propagation from the gust front becoming a bow wave.

I think we should be able to make a Hovmoller diagram(s) of this period with the TRMM 3-hourly data.

LEONARD DRUYAN:

The gust front mechanism could explain propagation in any direction, but the propagation is relatively slow.

James Acker:

Thanks. The derecho was a fast-moving event!

LEONARD DRUYAN:

This is a Hovmoller of 3-hourly TRMM.

James Acker:

OK, I thought that would work. Thanks for demonstrating this Giovanni visualization option in your research.

LEONARD DRUYAN: I made it online, but I resized it to shorten the latitude axis.

James Acker:

Thanks. That's one option (resizing) that works in image processing software. Might be a good option for Giovanni-4.

LEONARD DRUYAN:

I use Mac software to do this.

James Acker:

I've used IrfanView (free) for publication image prep.

It also allows adjustment of DPI for print quality images.

Thank you again, Dr. Druyan, for showing us another facet of Giovanni's capabilities for research. We'll take a 3-minute break and then hear from Charles Ichoku.

Jennifer Wei:

These are great tips for us! Thanks!

LEONARD DRUYAN:

You are all welcome. Thanks for "attending."