

Satya Kalluri - NOAA Federal

From: Satya Kalluri - NOAA Federal
Sent: Wednesday, September 4, 2019 4:58 PM
To: John Leslie - NOAA Federal
Subject: Re: DORIAN Imagery from STAR - Invitation to collaborate

GLM provides information related to hurricane intensification. Increased lightning near the storm center and rain bands are indicators of a strengthening storm and increased rainfall.

Satellite derived wind speeds improve forecasts models since they provide information on direction of wind flow (vector) and shear. The ability to characterize the wind fields in and around a hurricane is critical to predicting future storm motion and intensity.

Thanks!

On Wed, Sep 4, 2019 at 4:07 PM John Leslie - NOAA Federal <john.leslie@noaa.gov> wrote:
With the wind and GLM product, how will that benefit the forecasts? (Just need a good nugget.)

On Wed, Sep 4, 2019 at 2:54 PM Satya Kalluri <satya.kalluri@noaa.gov> wrote:

Sure

Sent from my iPhone

On Sep 4, 2019, at 2:47 PM, John Leslie - NOAA Federal <john.leslie@noaa.gov> wrote:

That's very helpful to know. We may send out a tweet as early as tomorrow morning. Can you be available to review the text before we send it out?

On Wed, Sep 4, 2019 at 2:39 PM Satya Kalluri - NOAA Federal <satya.kalluri@noaa.gov> wrote:

Hi John,

Correction: The GOES GLM lightning and ABI Winds are Operationally produced and distributed. Same with ATMS radiances as well (they are key to NWP).

We at STAR have been experimenting on visualization of these products so that the general public can see them as well.

We plan to deploy the lightning products soon on our GOES ABI web page once the software is fully tested and integrated:

<https://www.star.nesdis.noaa.gov/GOES/index.php>

Thanks!

On Wed, Sep 4, 2019 at 2:18 PM John Leslie - NOAA Federal <john.leslie@noaa.gov> wrote:
Satya -- Thank you very much for sharing these! So these are experimental products? At what point might they be turned into operational products?

On Wed, Sep 4, 2019 at 2:15 PM Satya Kalluri - NOAA F... (via Google Drive) <[drive-shares-](#)

noreply@google.com > wrote:

satya.kalluri@noaa.gov has invited you to **contribute to** the following shared folder:



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Hi John

STAR scientists have been experimenting with animation of GOES-R and JPSS products to track and monitor hurricane Dorian. I am sharing some images and brief description of what they show. Please feel free to share through through social media, web pages etc.

Thanks!

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