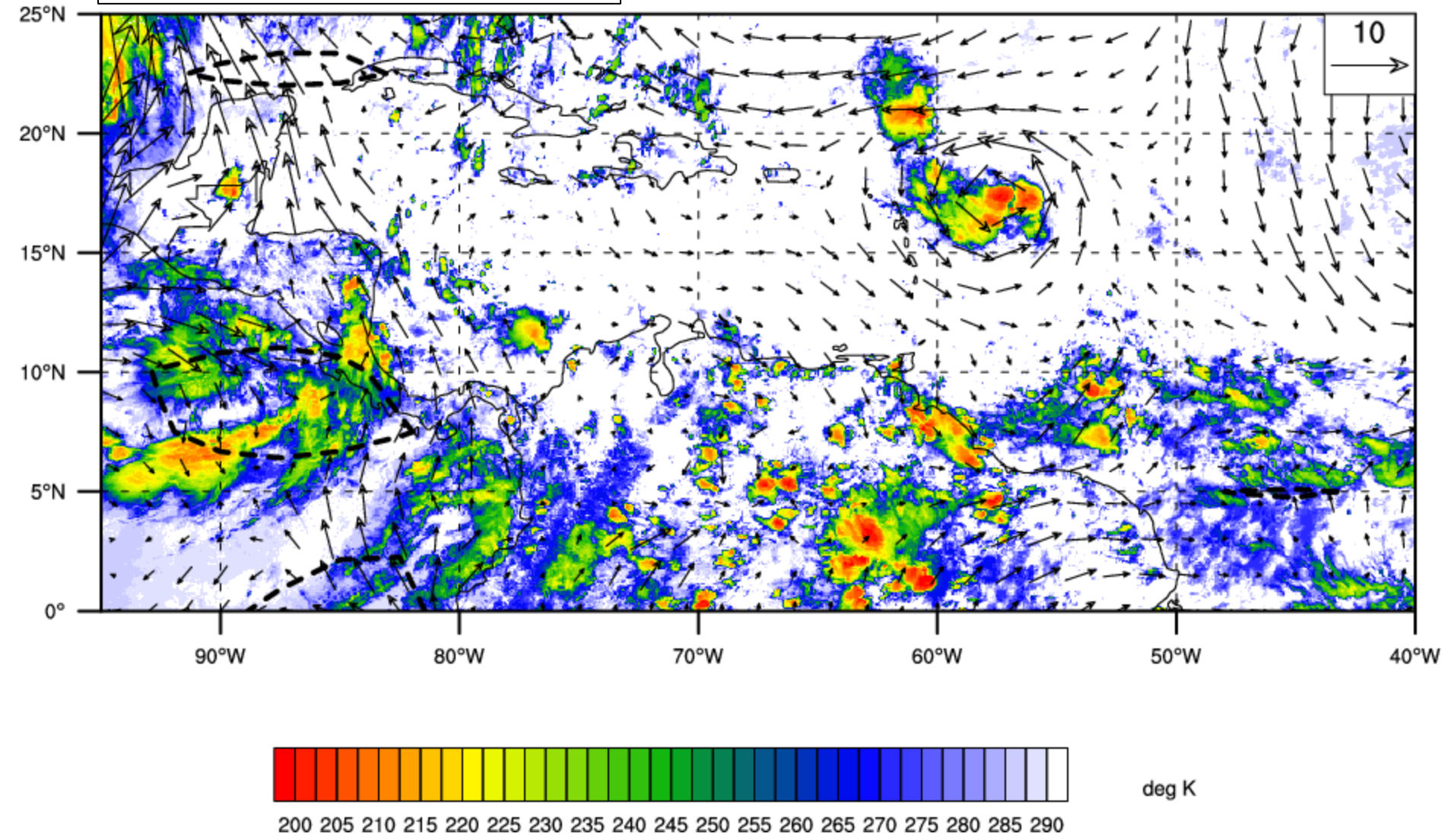
# Genesis of Hurricane Karl

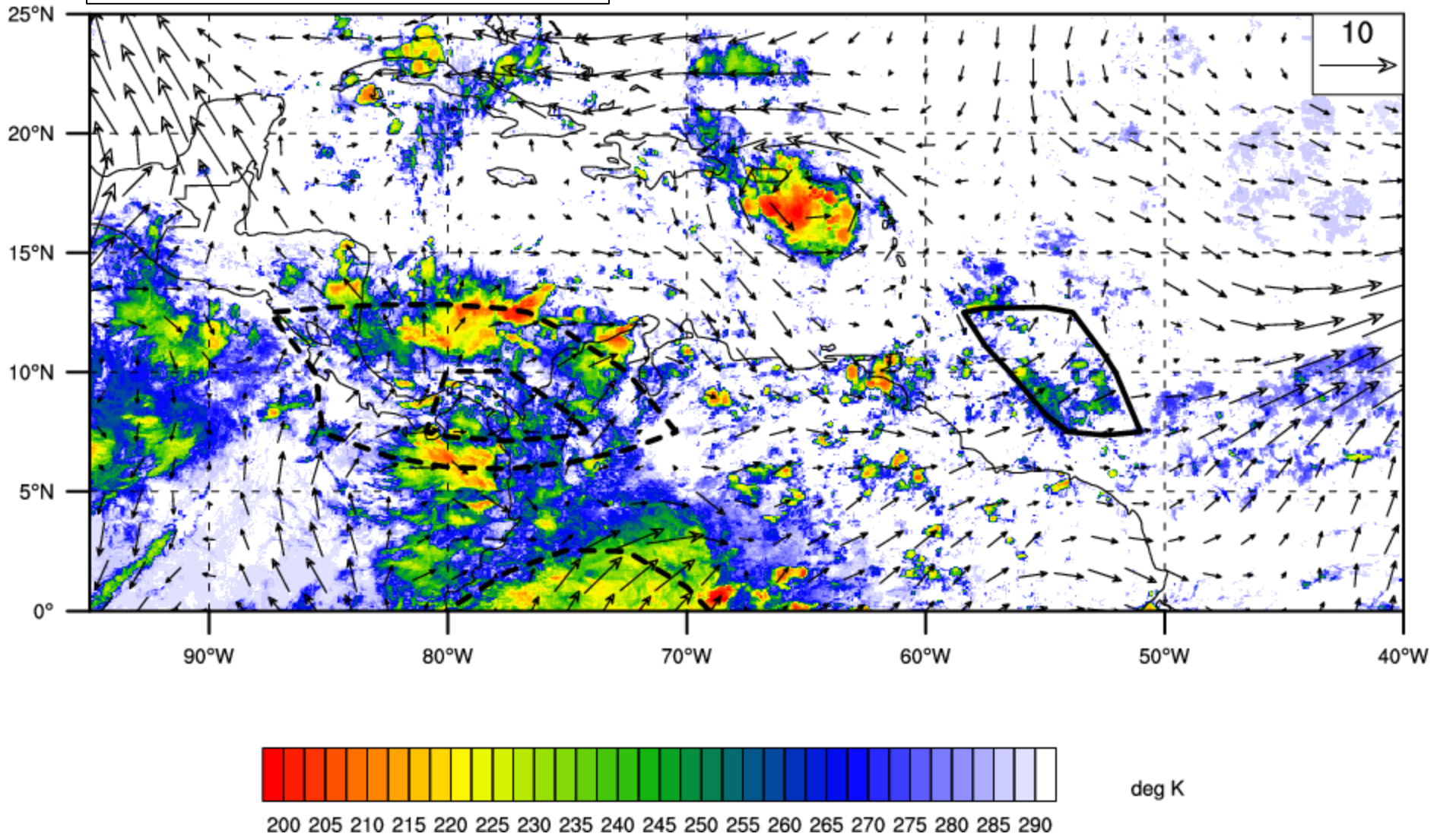
Where did the low-level circulation
associated with pre-Karl come from?

# 1800 UTC 6 Sep




NASA Merged-IR product (shaded) – 850 hPa zonal wind anomalies (vectors)
Kelvin filtered NOAA OLR (contours)

# 1800 UTC 7 Sep

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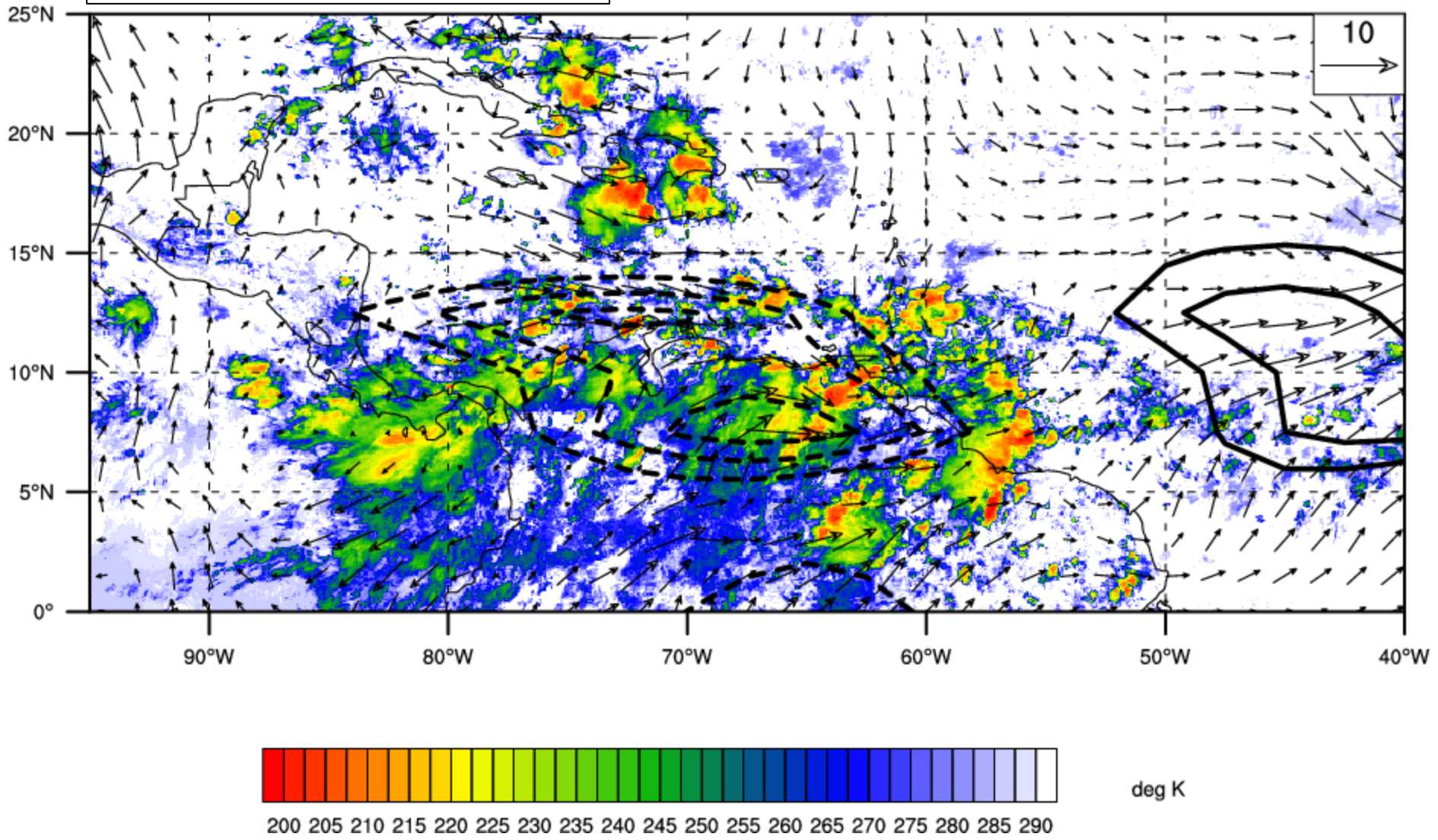


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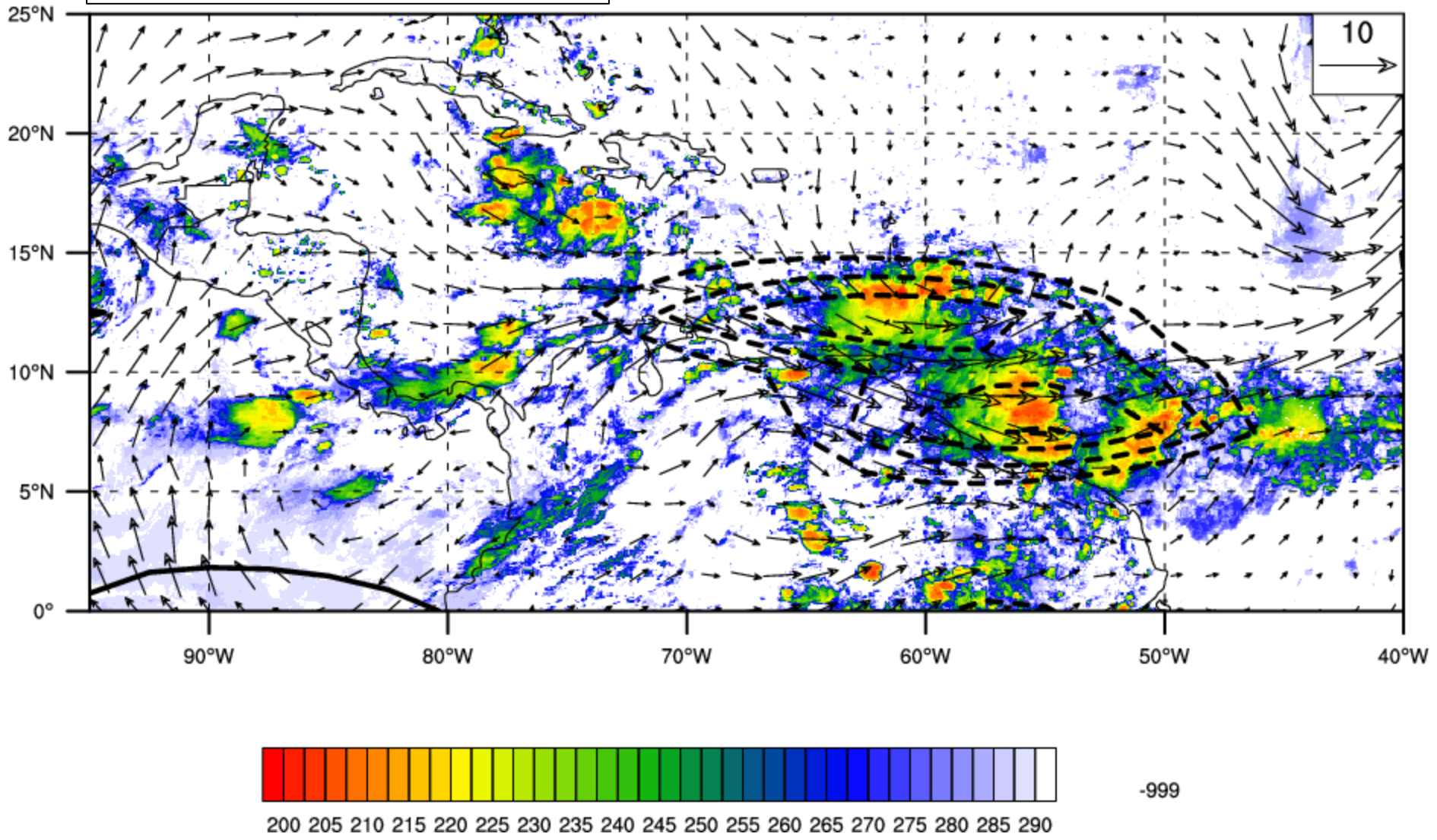
# 1800 UTC 9 Sep

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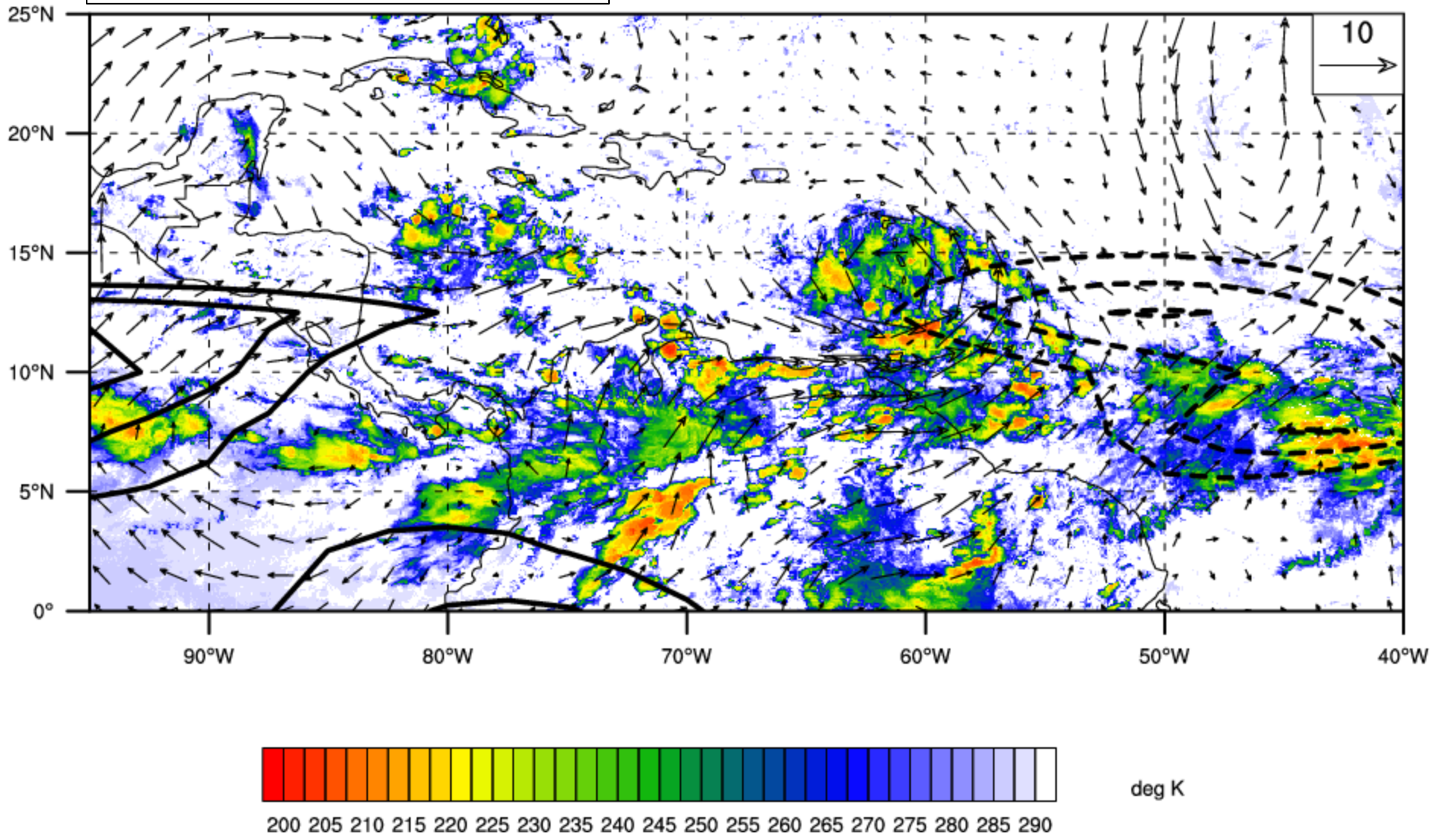


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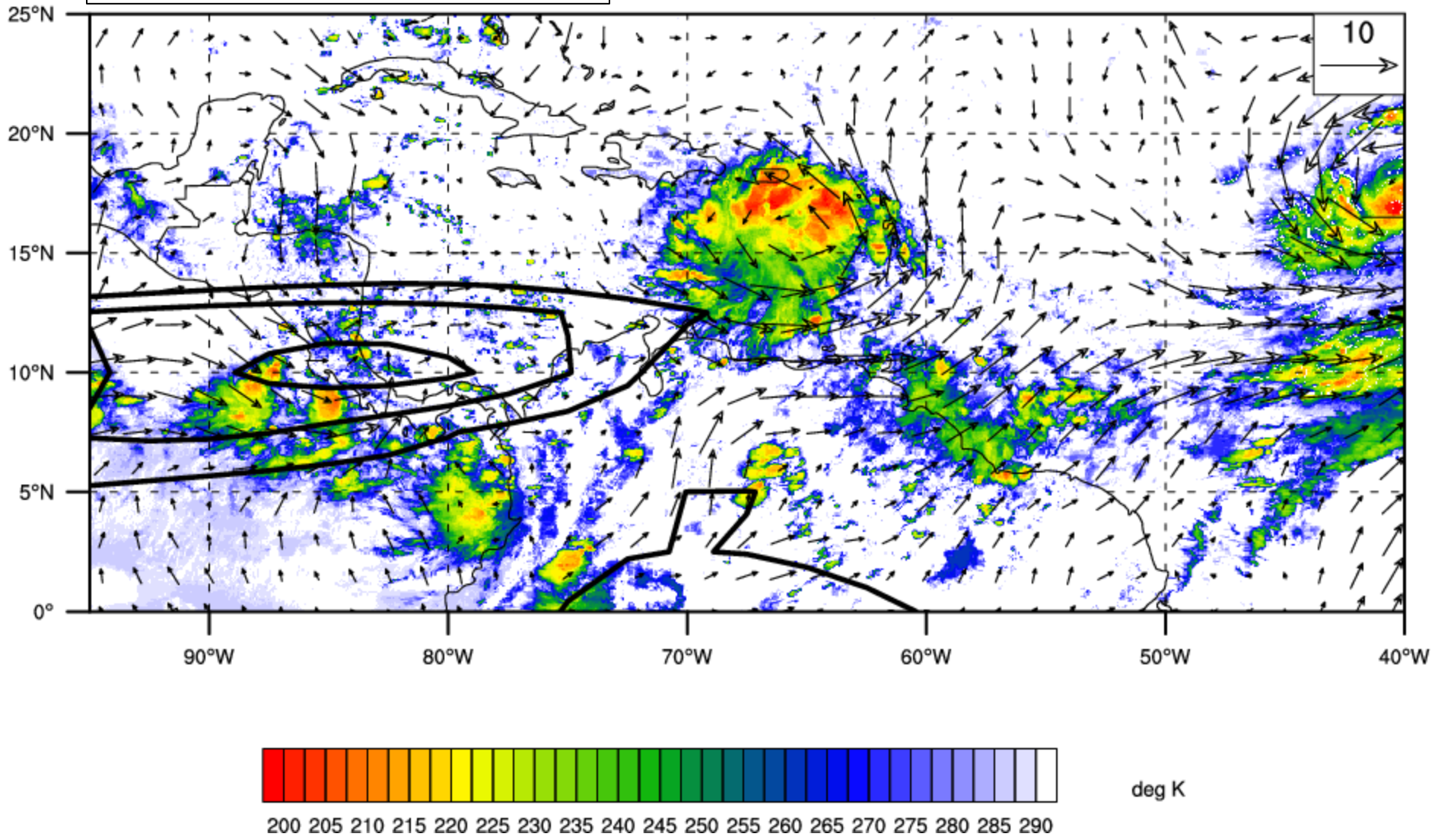
# 1800 UTC 11 Sep

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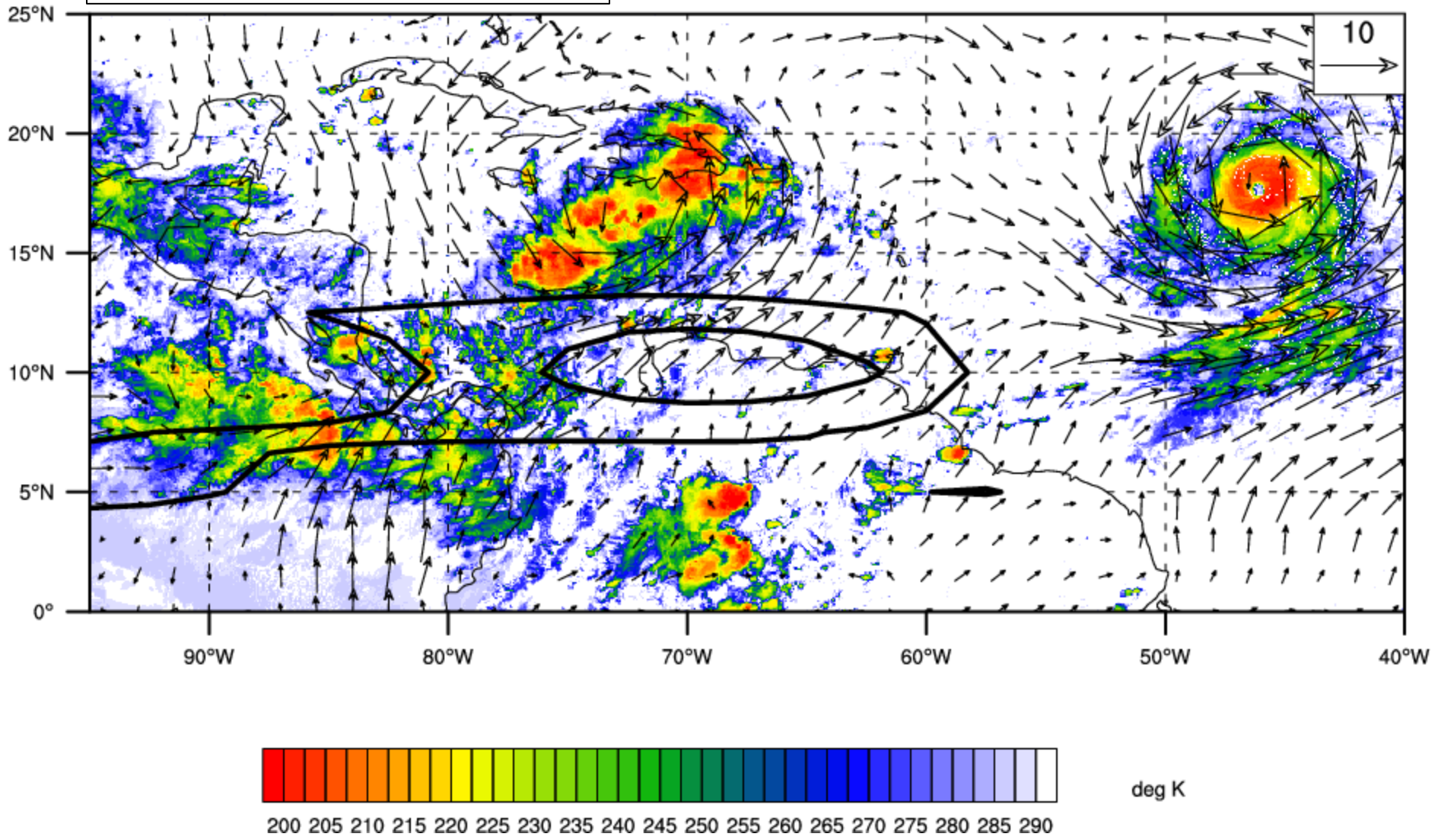
Kelvin filtered NOAA OLR (contours)

# 1800 UTC 12 Sep

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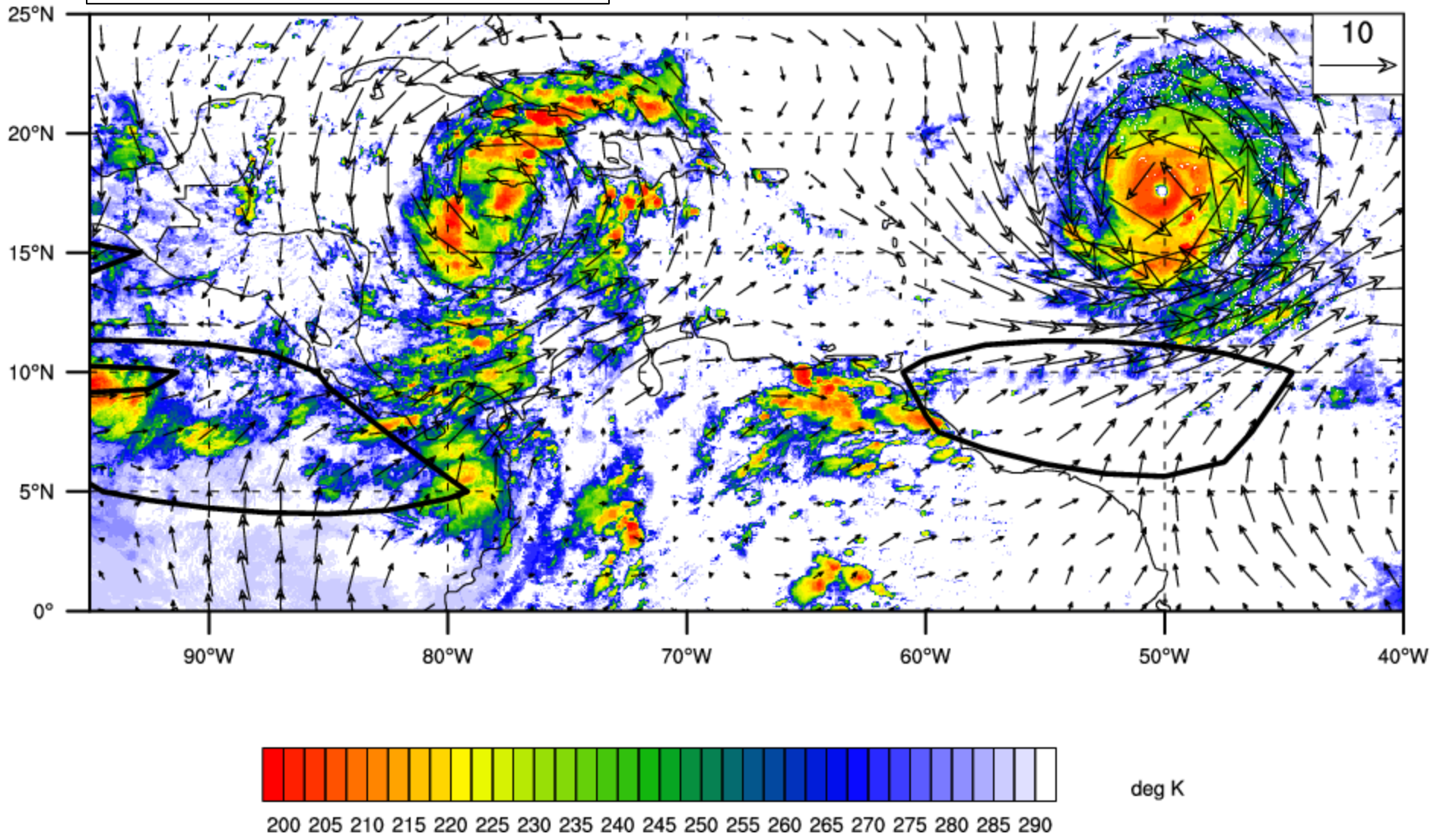


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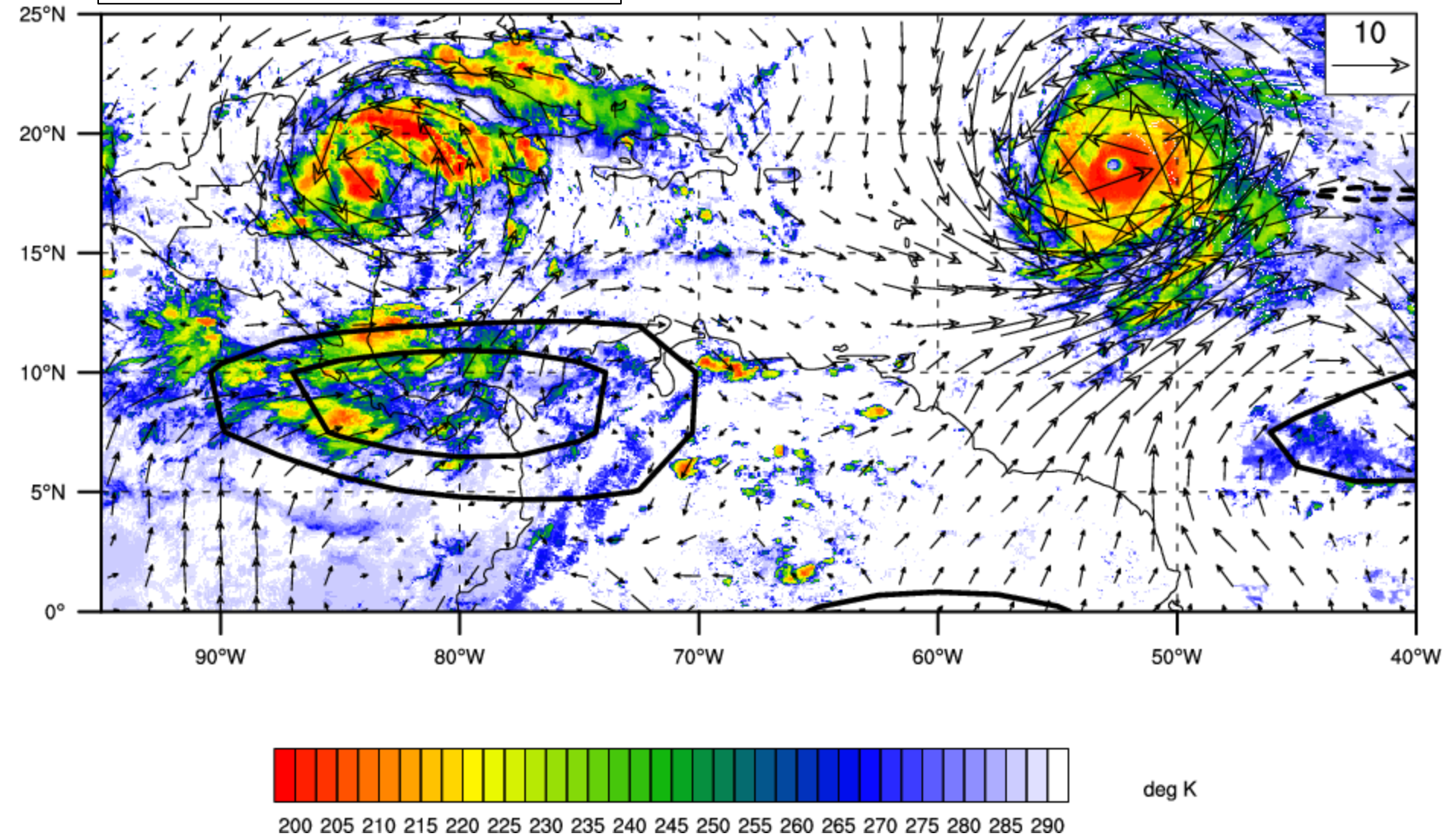
# 1800 UTC 14 Sep

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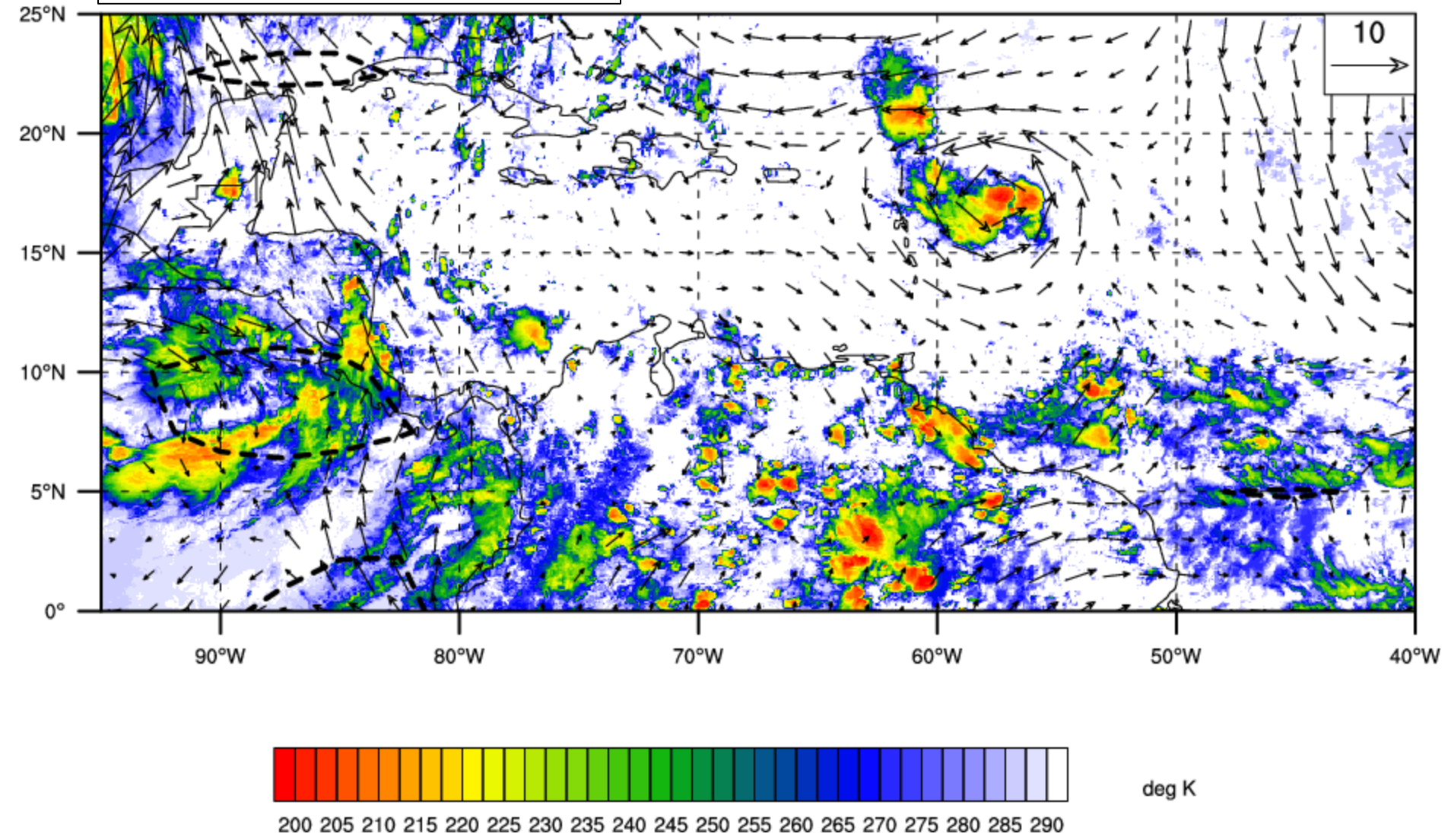
# 1800 UTC 6 Sep

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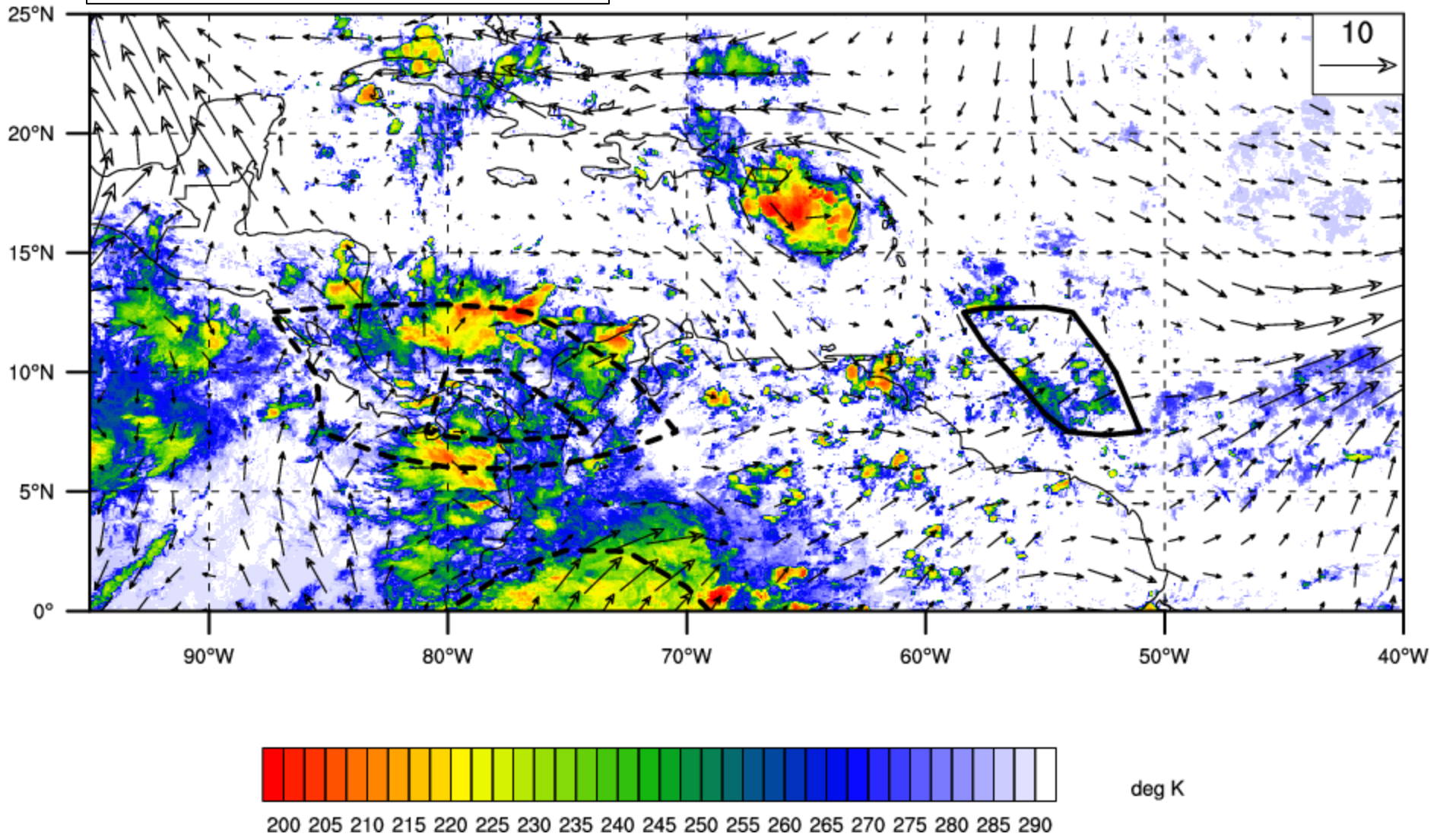


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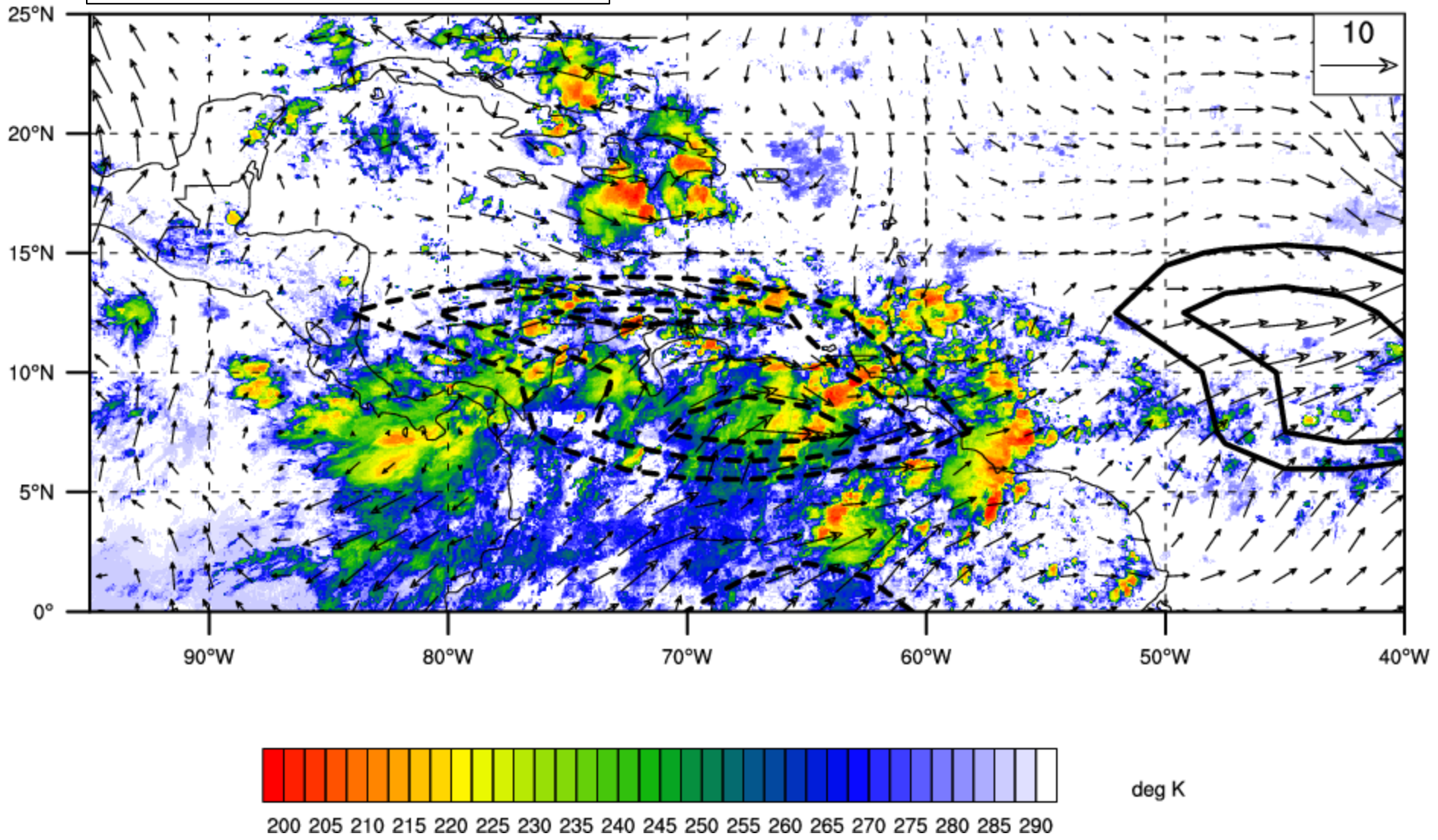


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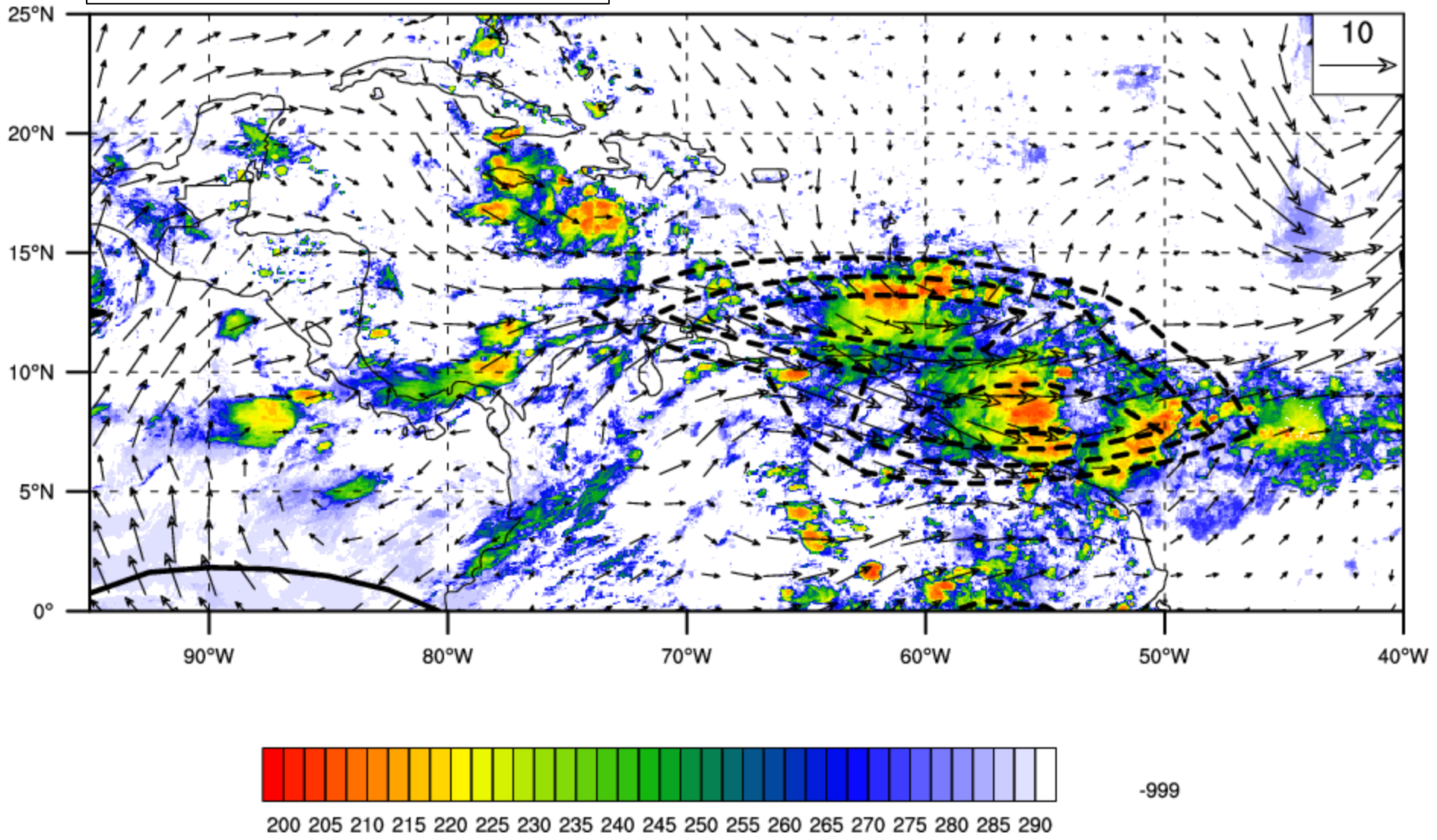


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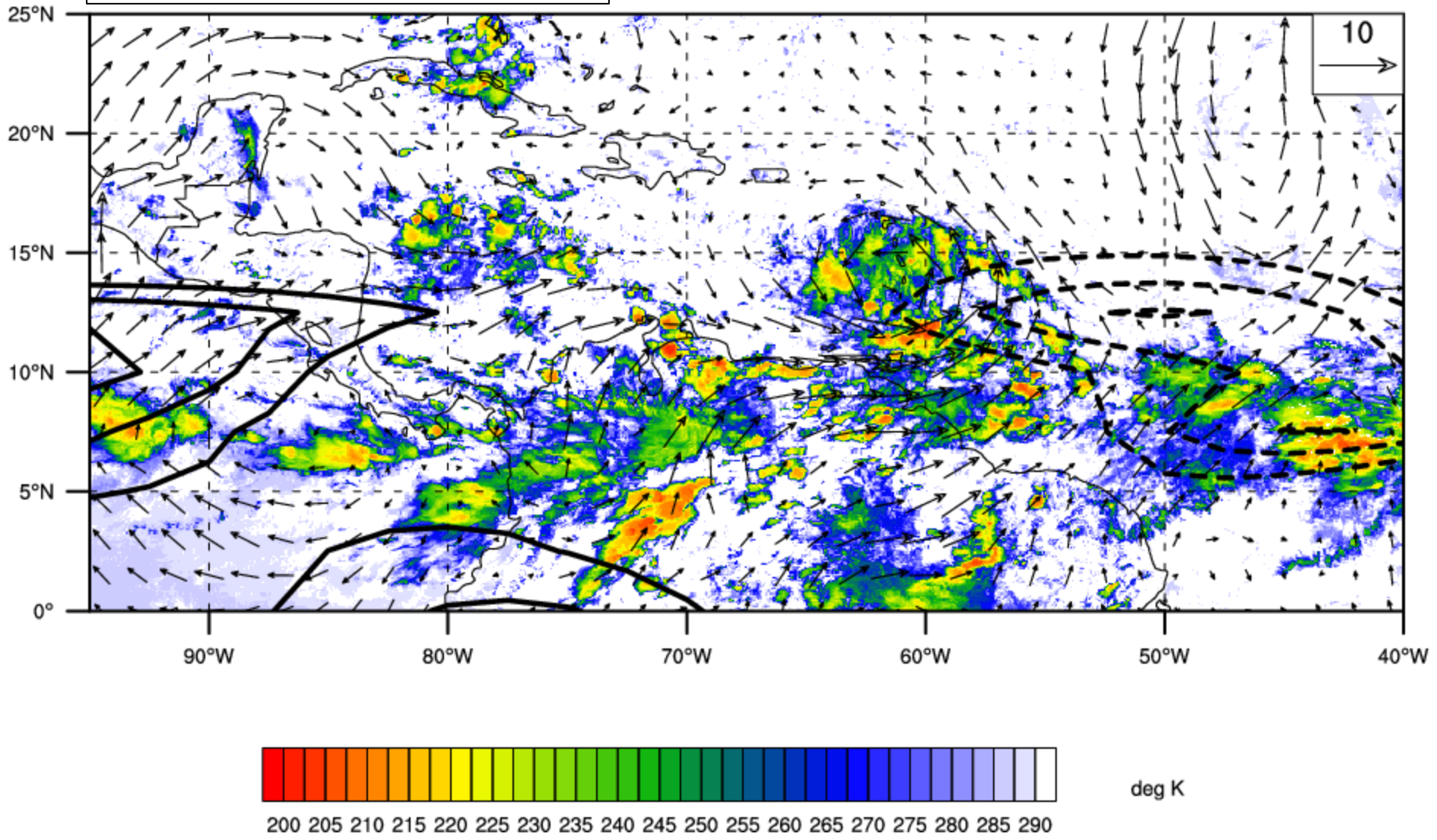


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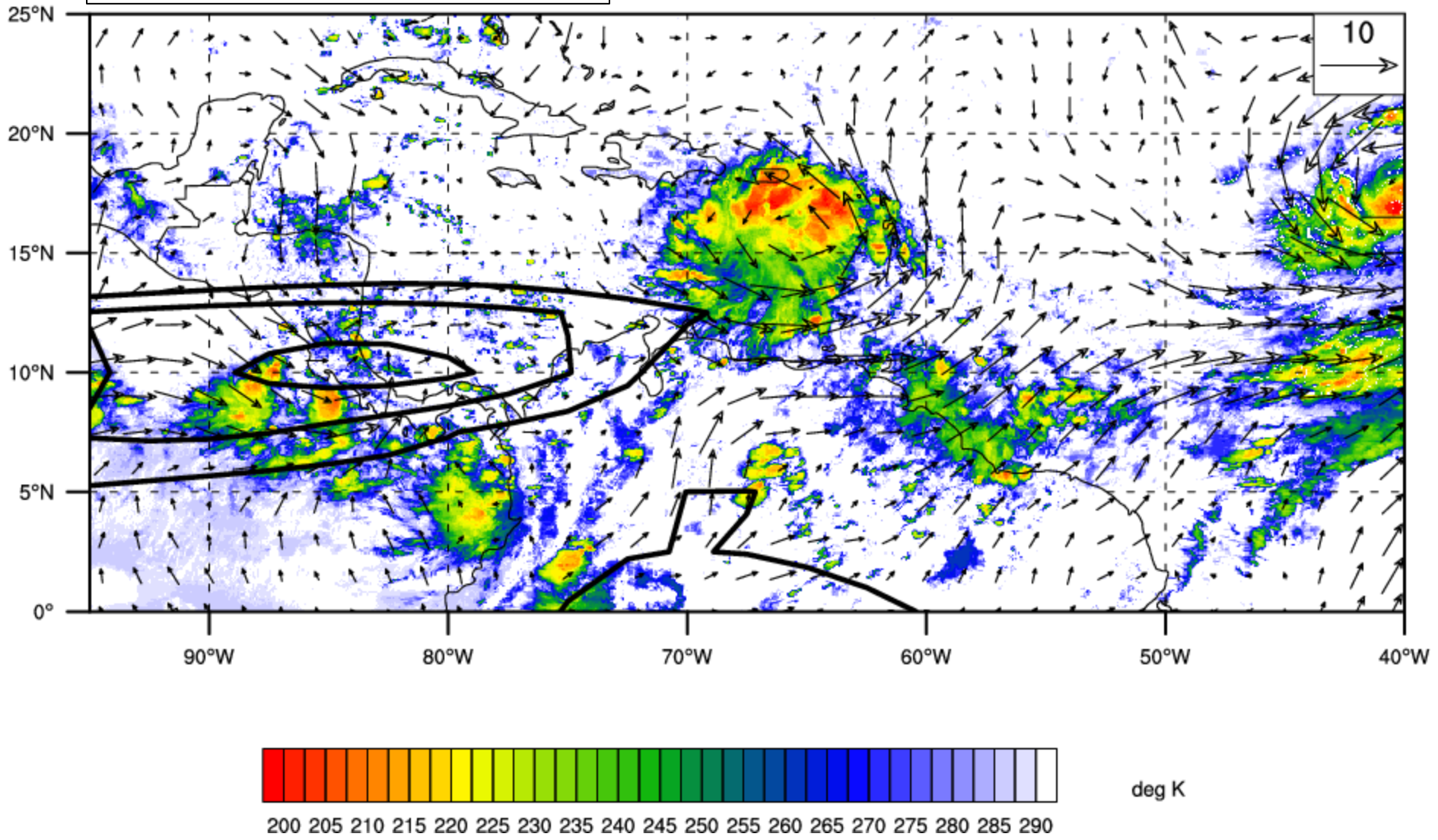


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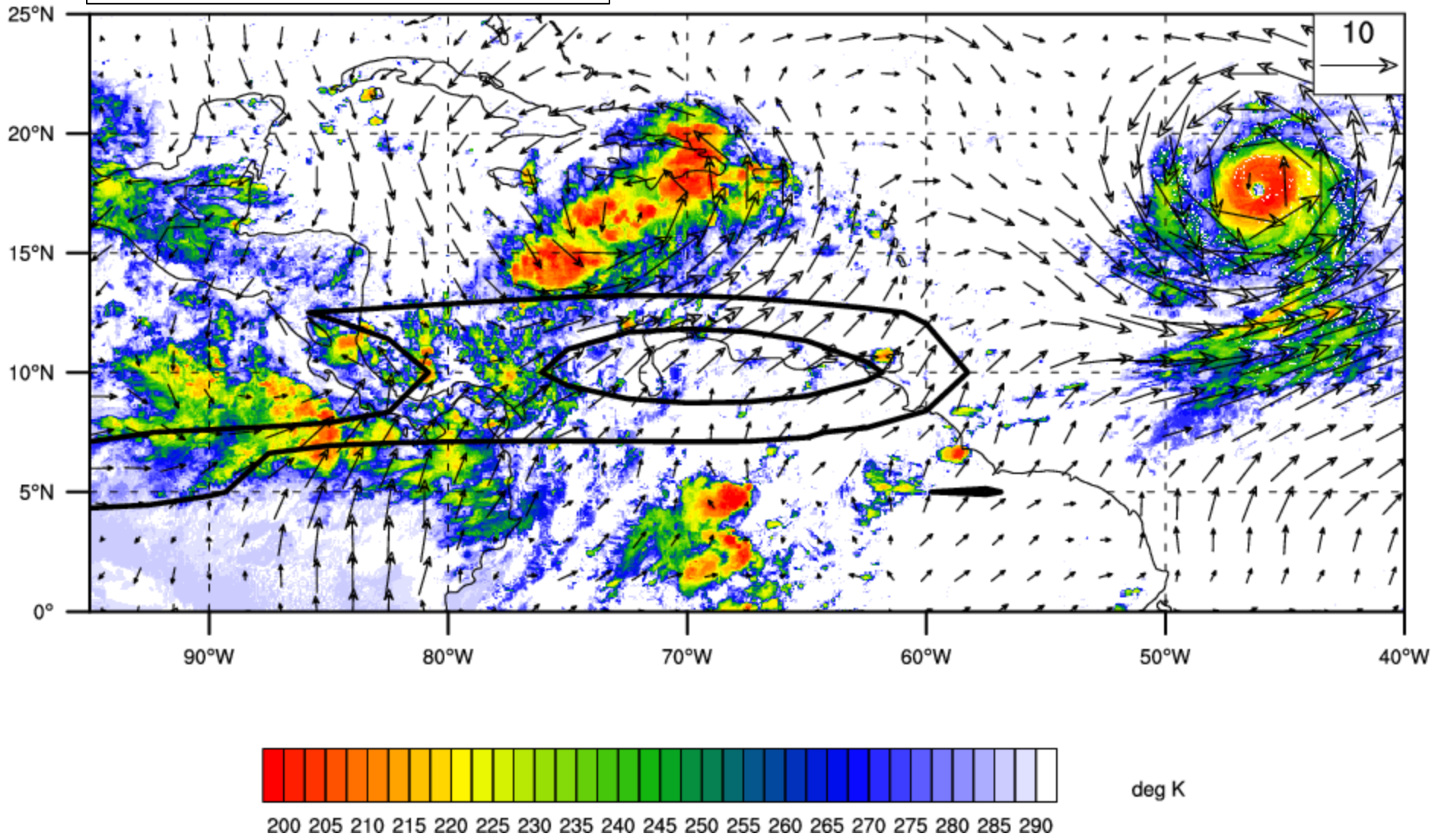


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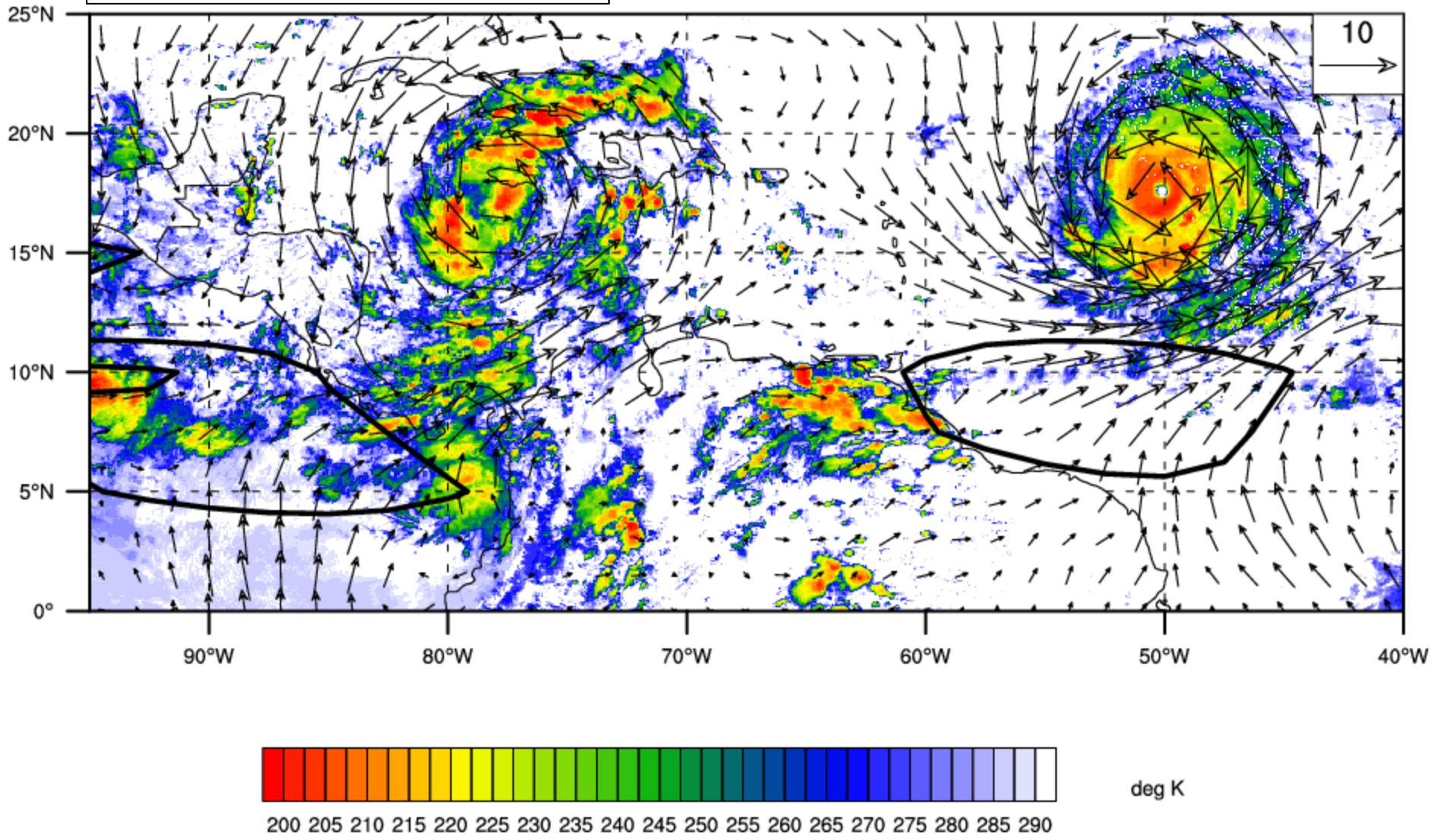


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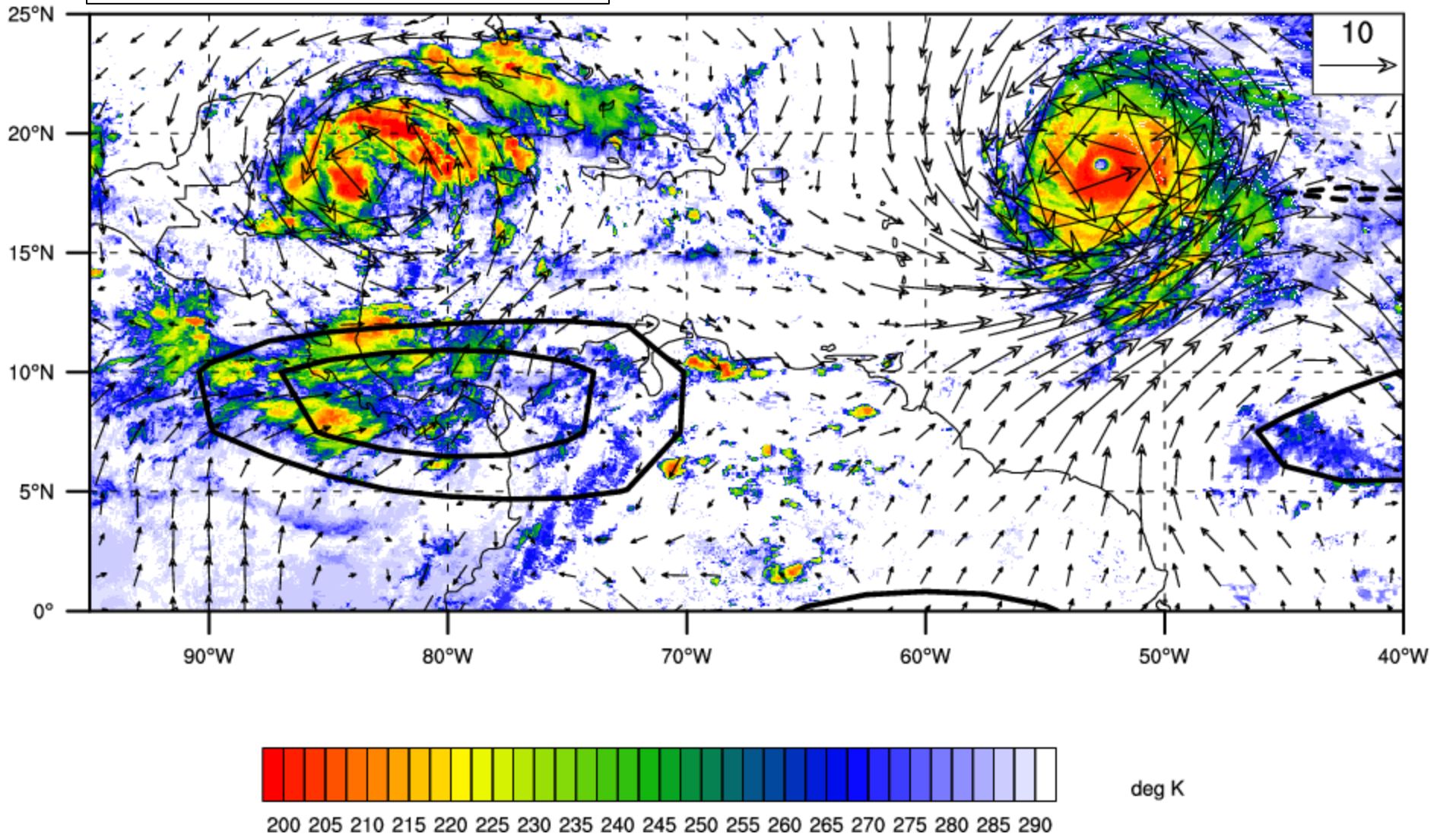


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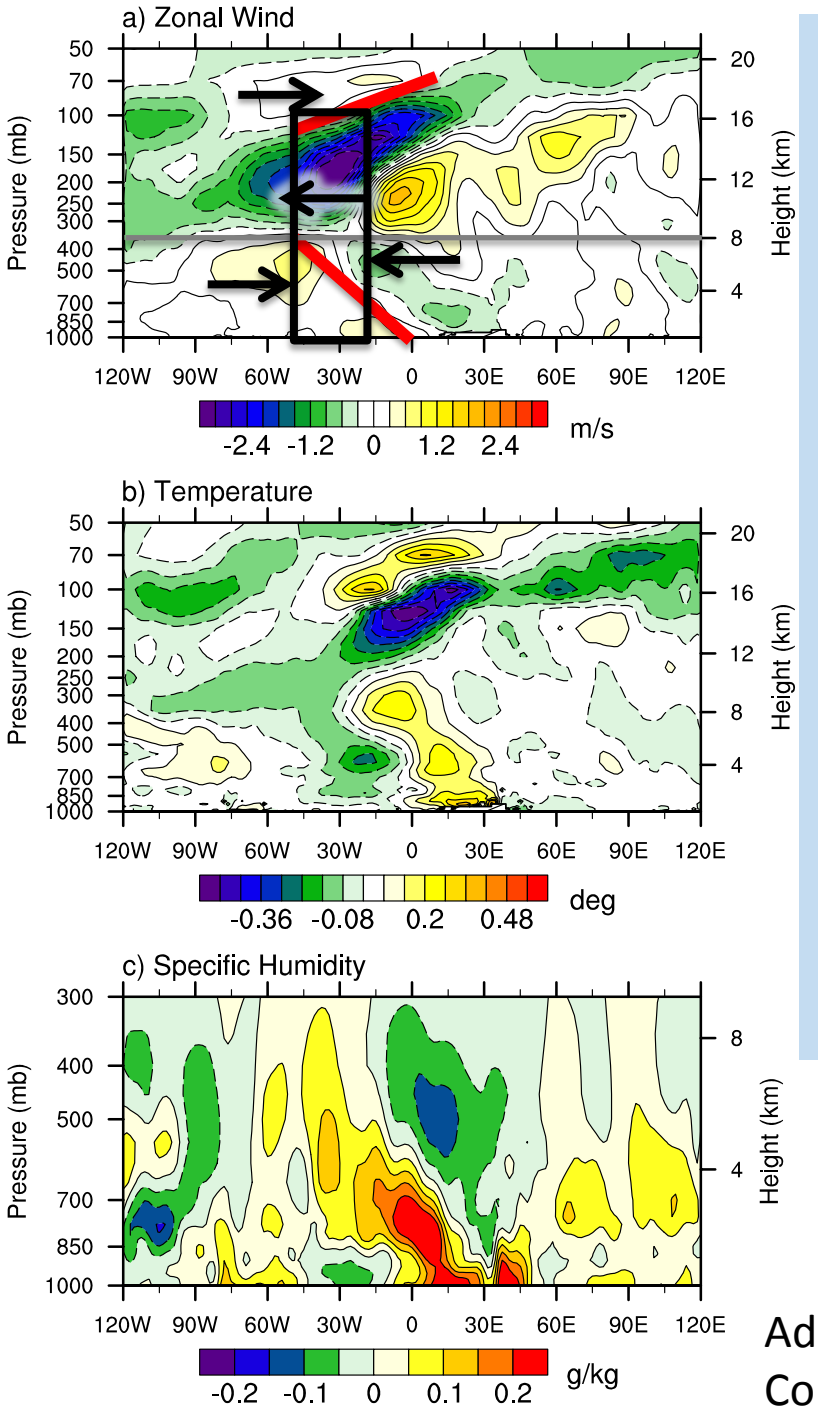


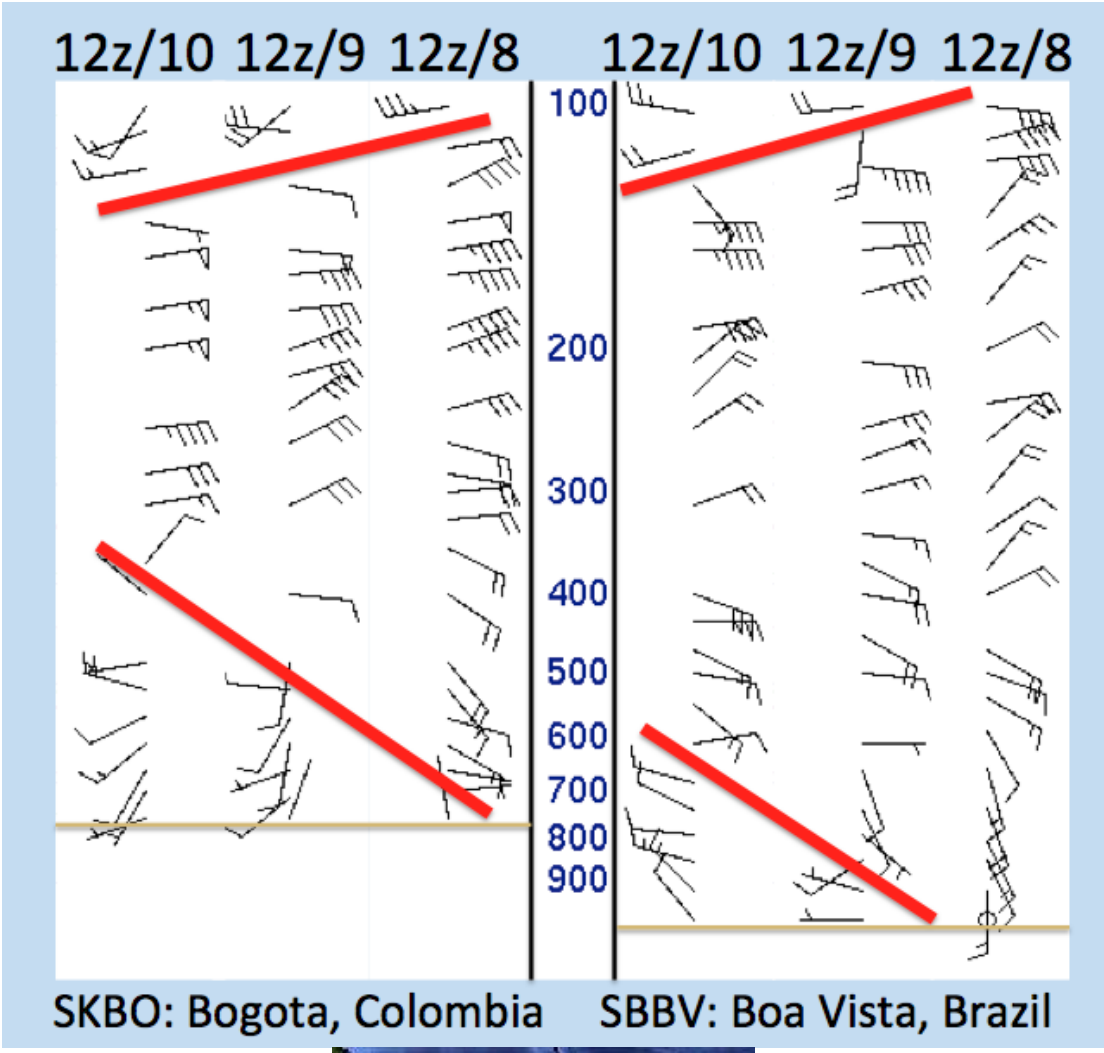



Adapted from Fig. 2, Ventrice et al. 2012b

Consistent with Kiladis et al. 2009