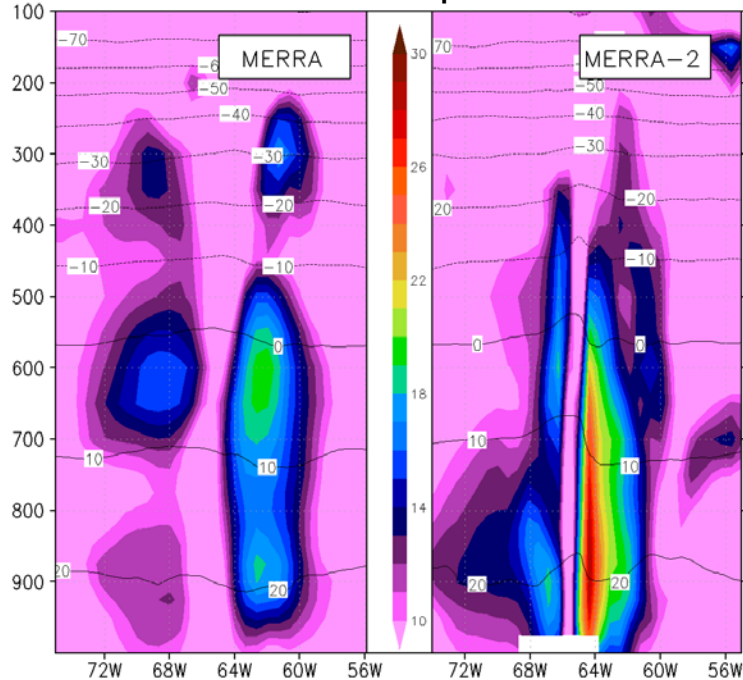
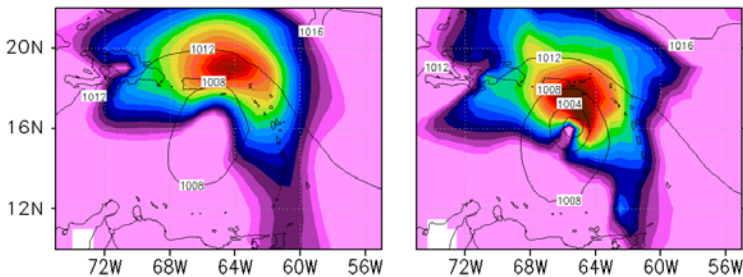


“Historical” Hurricanes in MERRA-2

Wind and Temperature



900 hPa Wind and Sea Level Pressure



- MERRA-2 shows a substantial improvement in the representation of vertical structure, intensity, compactness, and overall realism of hurricanes
- As an example, the Category-5 Hurricane David (1979), which caused widespread damage from the Caribbean to the US, is much more realistic in MERRA-2 than in MERRA. The panels show David at 1200 UTC 30 Aug, the time of observed peak intensity.

Divergence Profile

