



Southeast USA

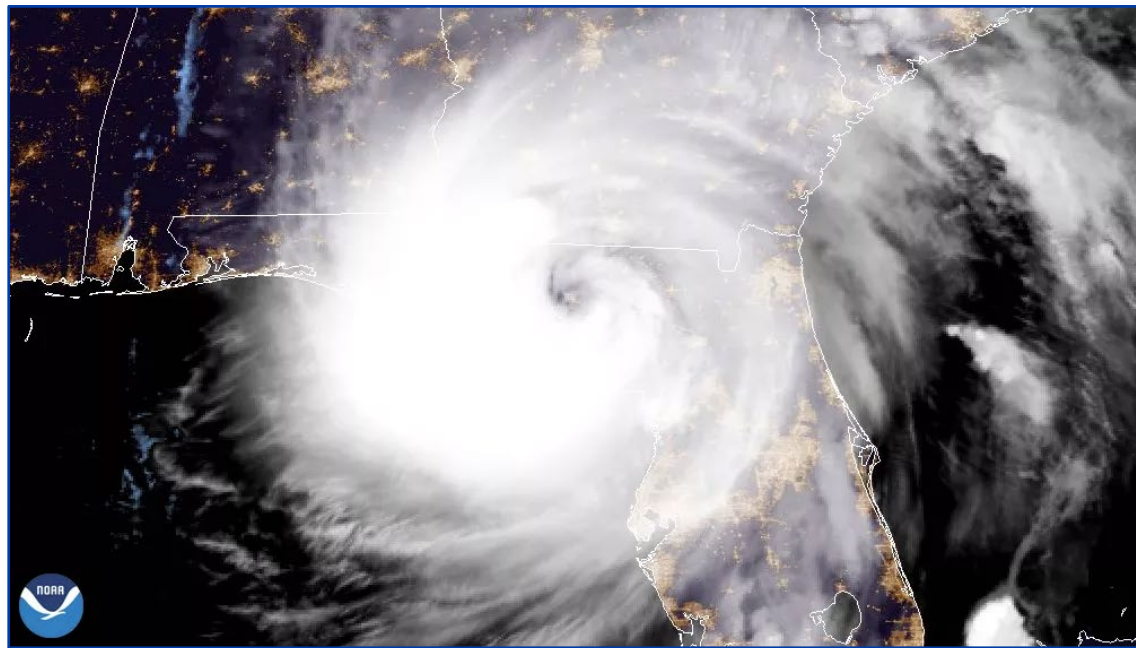
Hurricane Helene

September 26, 2024

Hurricane Helene

Southeastern USA

Hurricane Helene made landfall as a Category 4 storm along Florida's Big Bend, at Keaton Beach, at 11:10 PM on September 26th. The powerful storm left a swath of devastation from coastal communities, all the way through the southern Appalachian region with notable damage in Asheville, NC which experienced catastrophic amounts of rainfall.



Satellite Imagery, Courtesy: NOAA



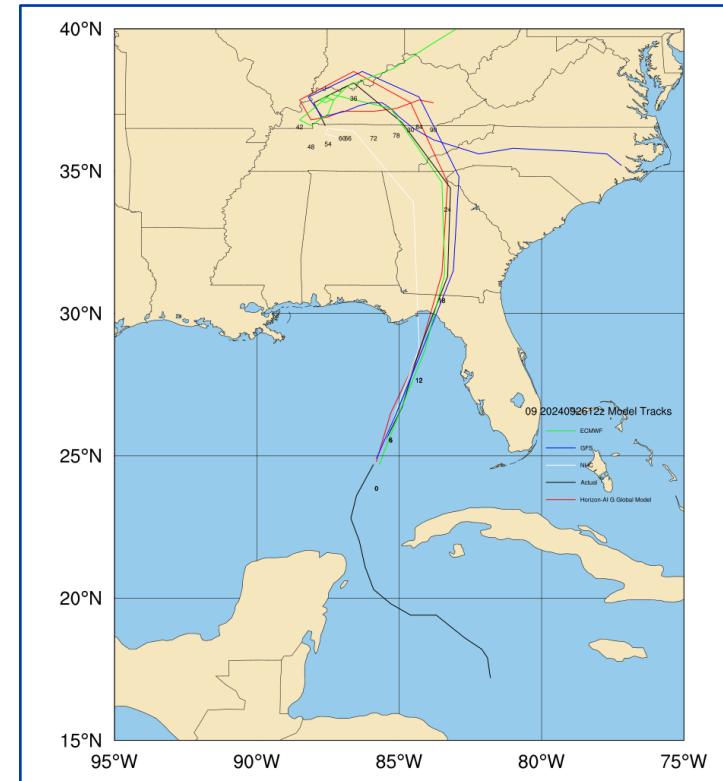
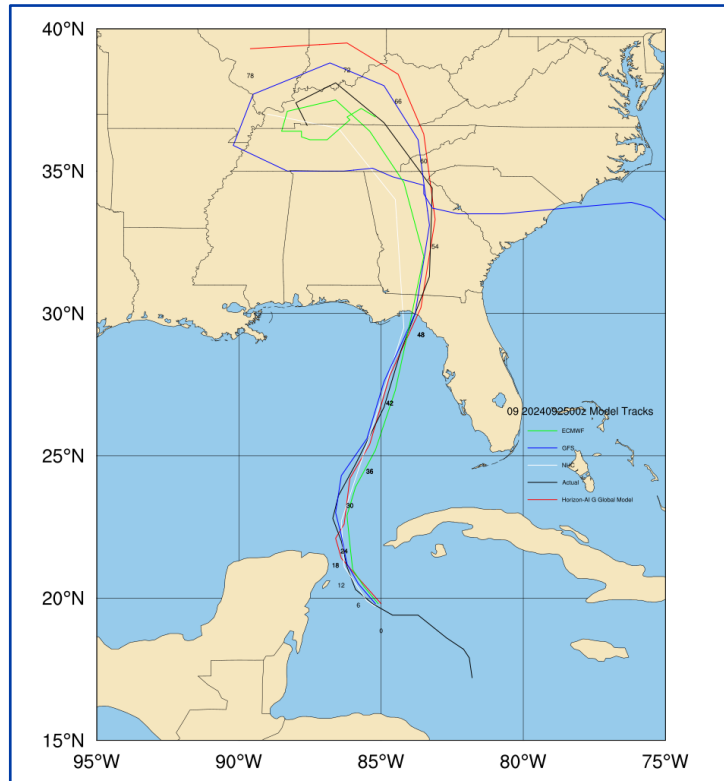
Dekle Beach, Florida – NY Times

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Climavision's Horizon AI Global model was locked in on a landfall in Florida's Big Bend, as well as the path of the storm through Georgia and Western North Carolina (both which sustained significant damage). Our model run (left) from 9/25 at 00z (9/24 at 8 pm EDT) was issued the day the storm was named. On September 26th at 12z (right), Global continued to lock in further on the landfall location and track through the southern Appalachians.

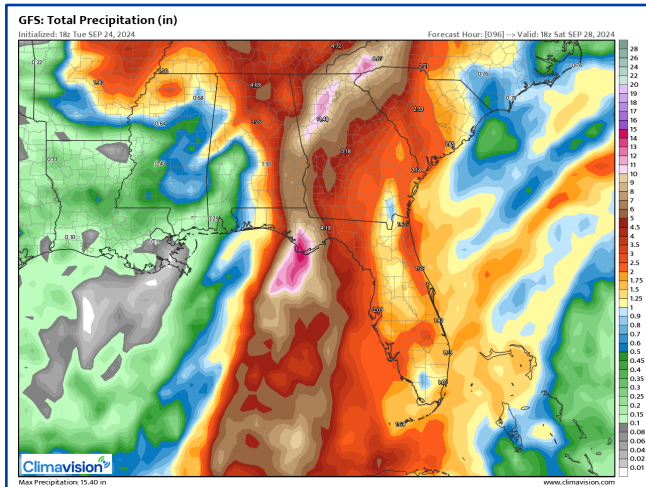


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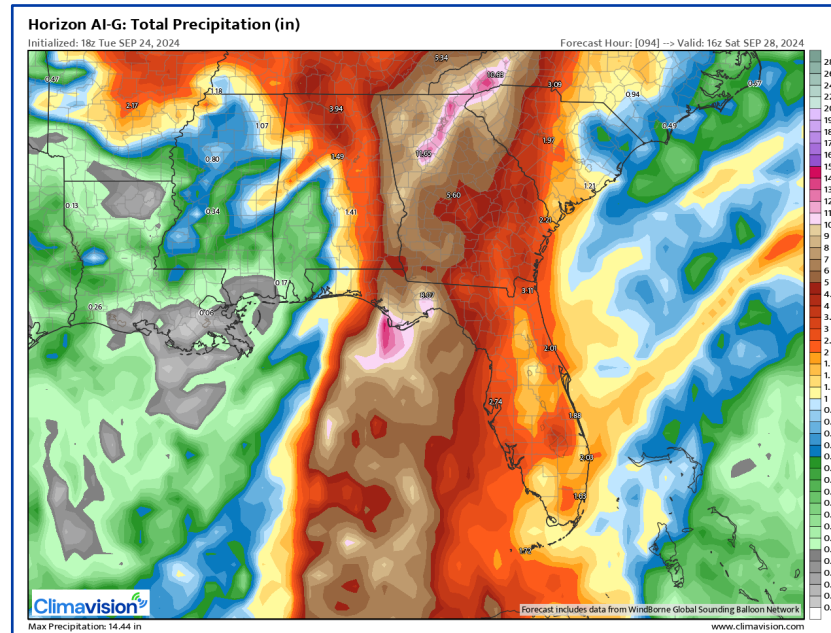
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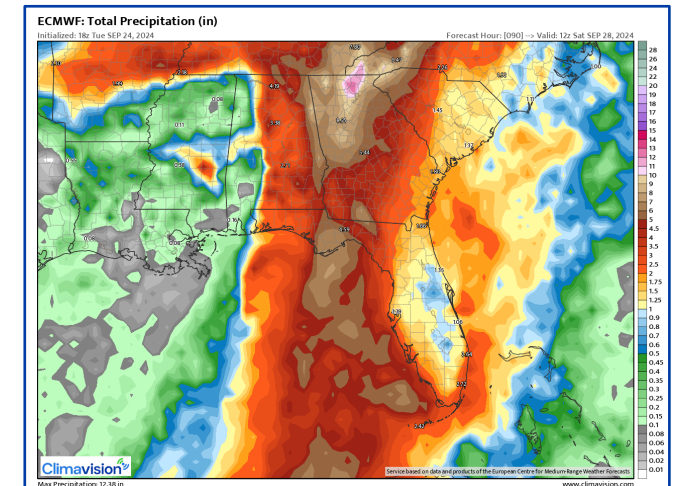
Our Global model (center) also captured the intense rainfall associated with the storm as it swept through the southeastern states. Asheville recorded just shy of 14 inches of rain. Our Global model shows an estimate of 14-15 inches for the mountain city. This outperformed the GFS (left) and (ECMWF) runs from the same initialized time and for the same timeframe. Both models projected ~10-12 inches of precipitation.



GFS



Horizon AI Global



ECMWF