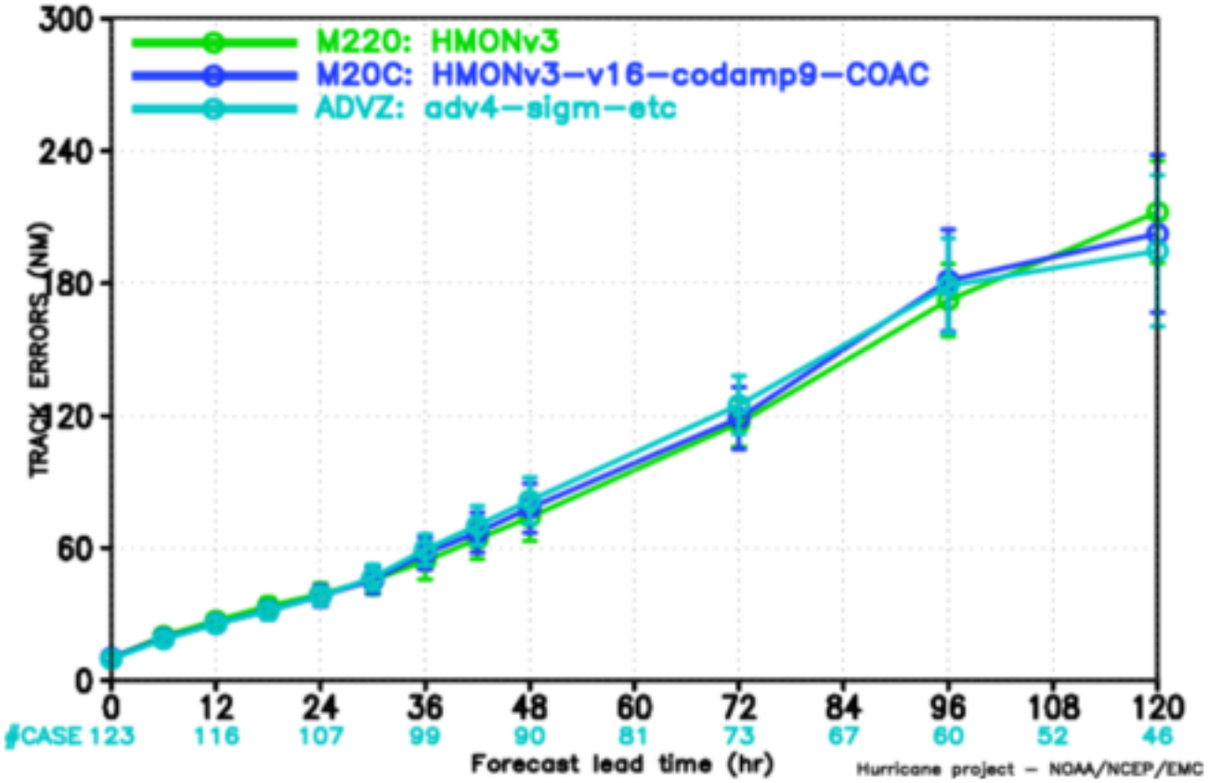
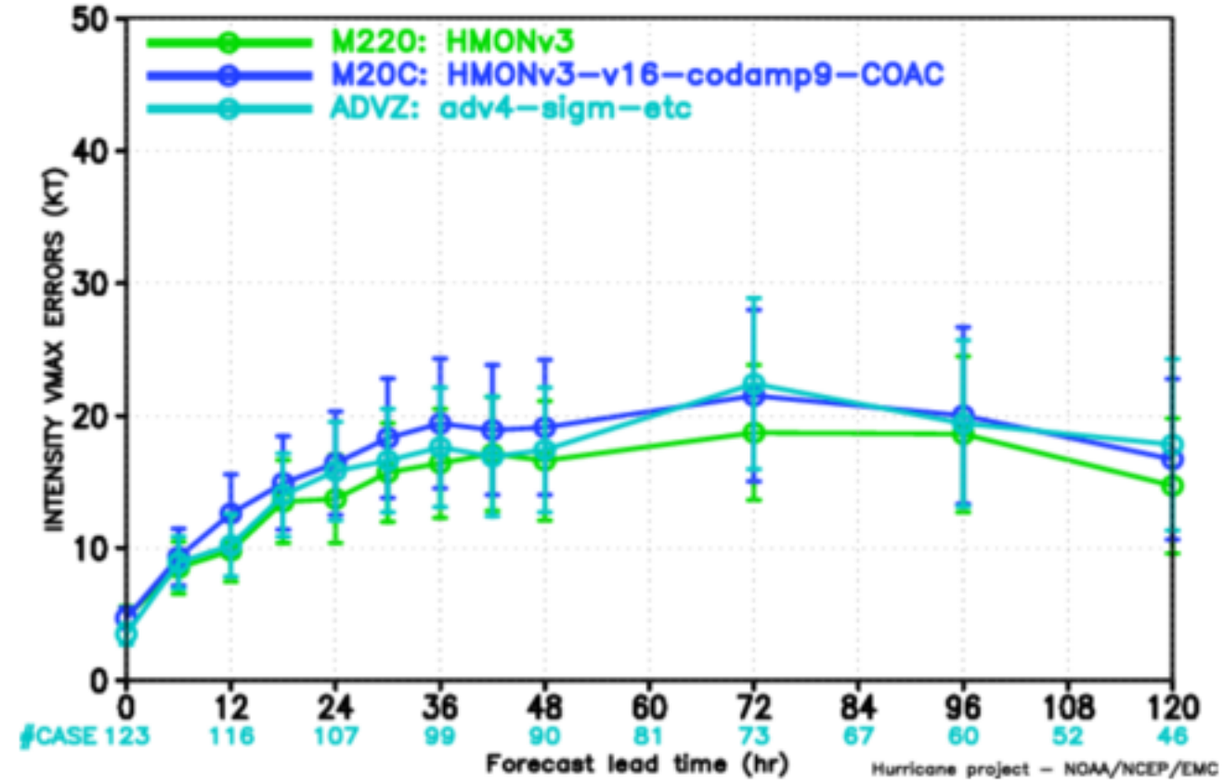
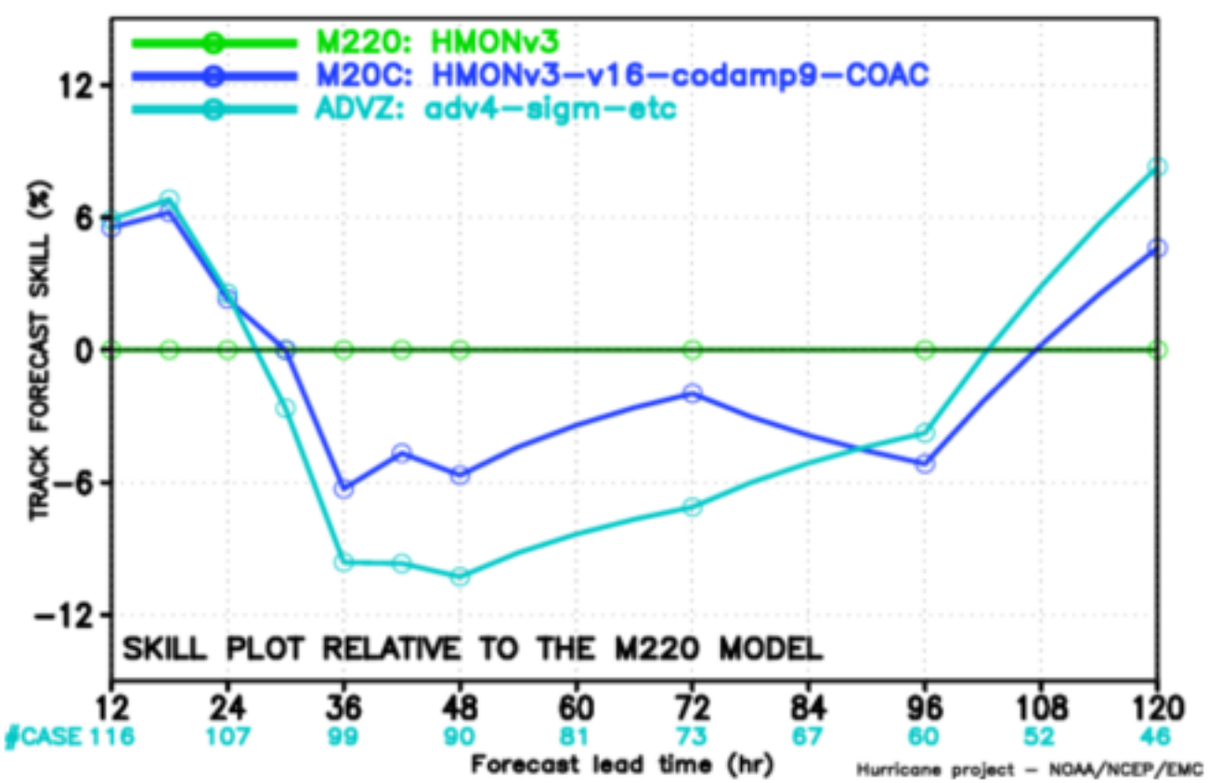
MODEL FORECAST – TRACK ERRORS (NM)
VERIFICATION FOR HMON



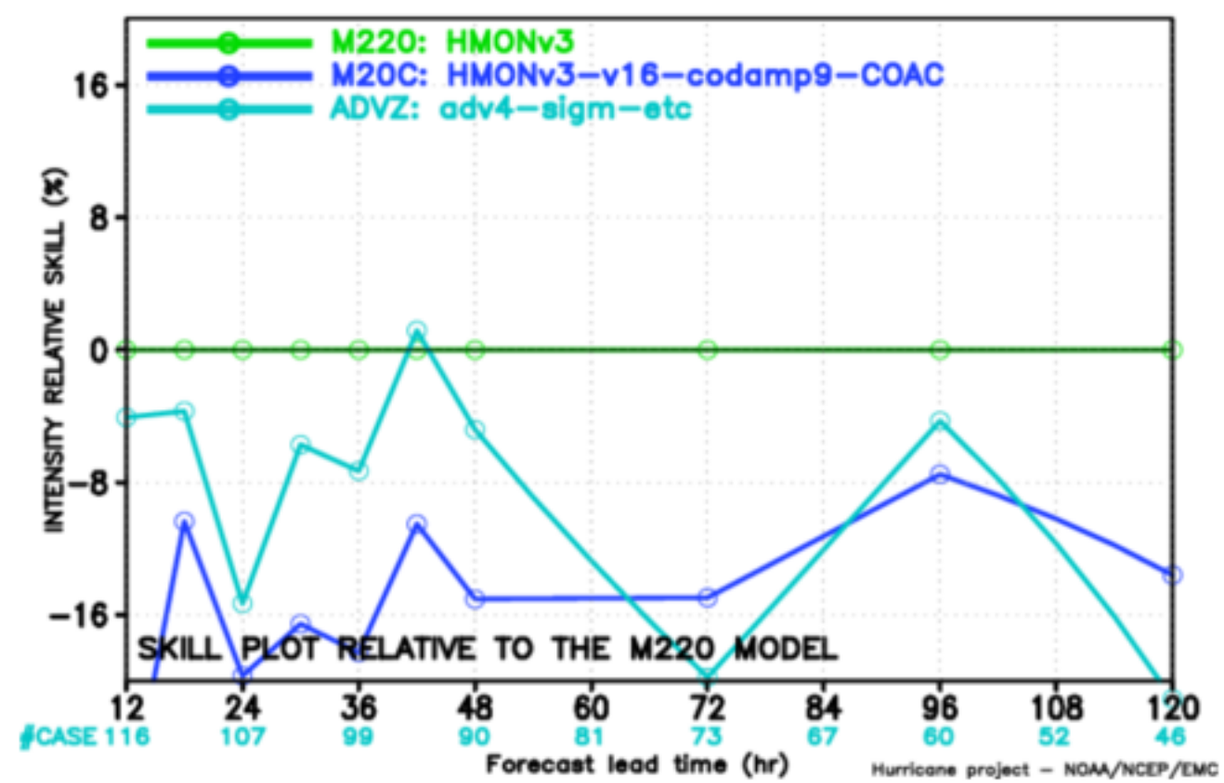
MODEL FORECAST – INTENSITY VMAX ERRORS (KT)
VERIFICATION FOR HMON



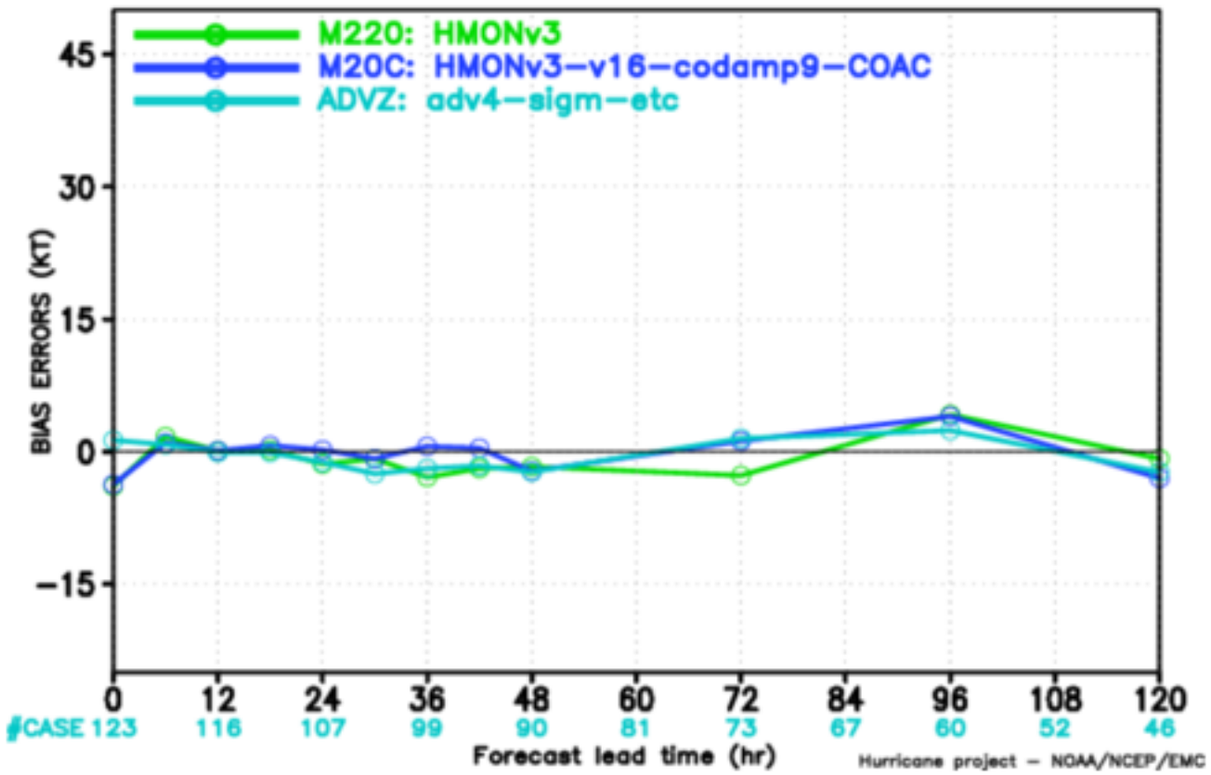
MODEL FORECAST – TRACK FORECAST SKILL (%) STATISTICS
VERIFICATION FOR HMON



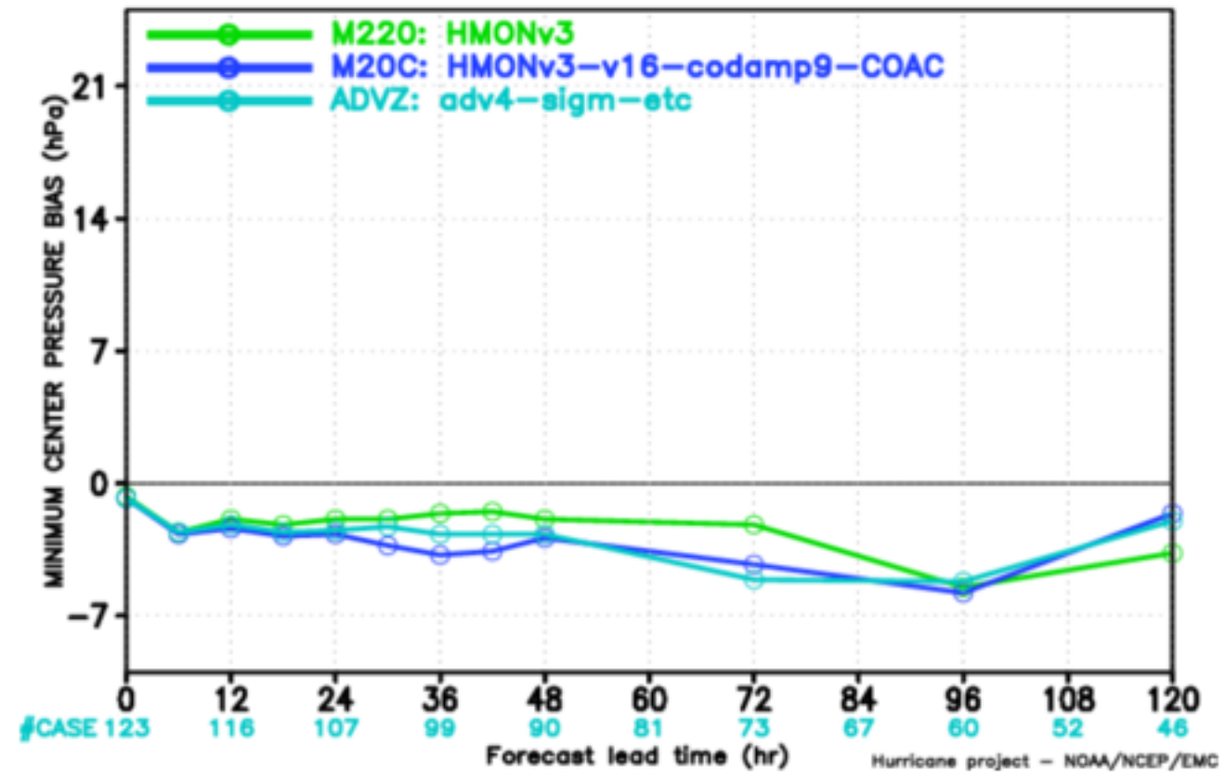
MODEL FORECAST – INTENSITY RELATIVE SKILL (%) STATISTICS
VERIFICATION FOR HMON



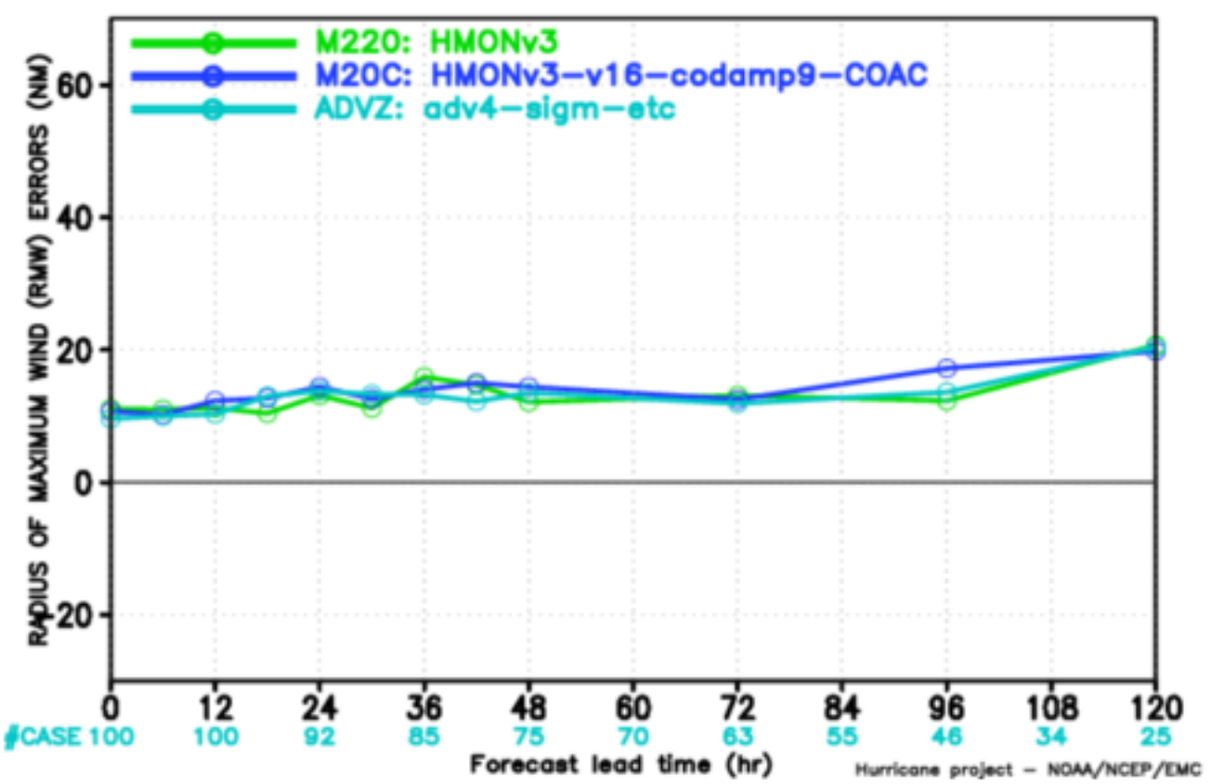
MODEL FORECAST – BIAS ERRORS (KT)
VERIFICATION FOR HMON



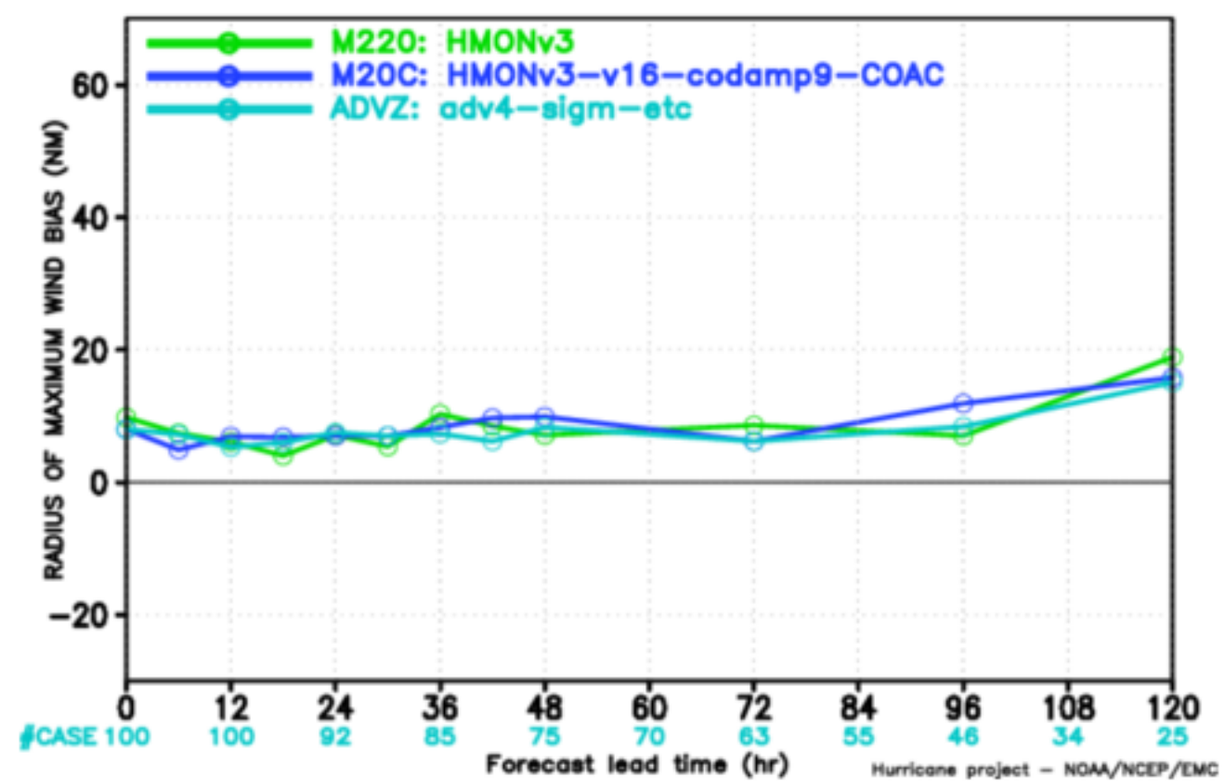
MODEL FORECAST – MINIMUM CENTER PRESSURE BIAS (hPa)
VERIFICATION FOR HMON

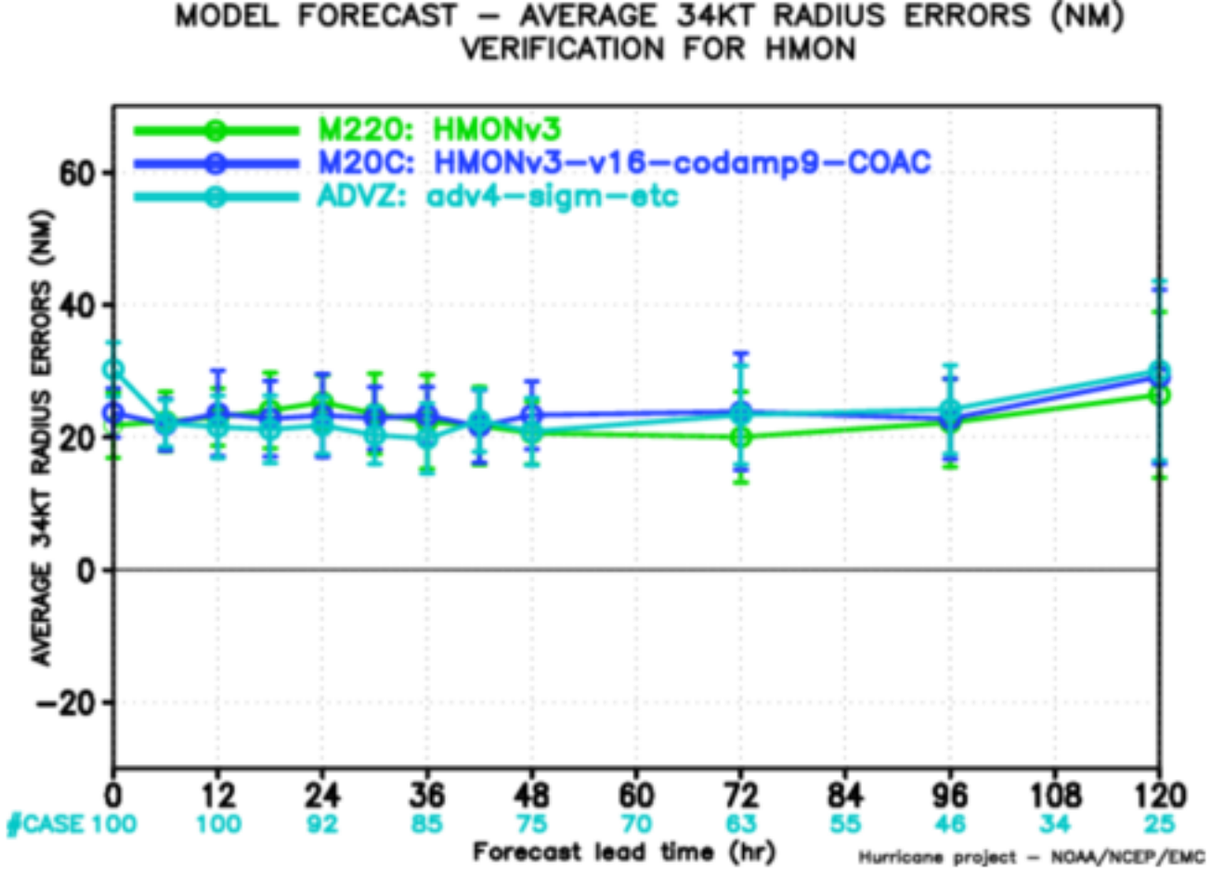


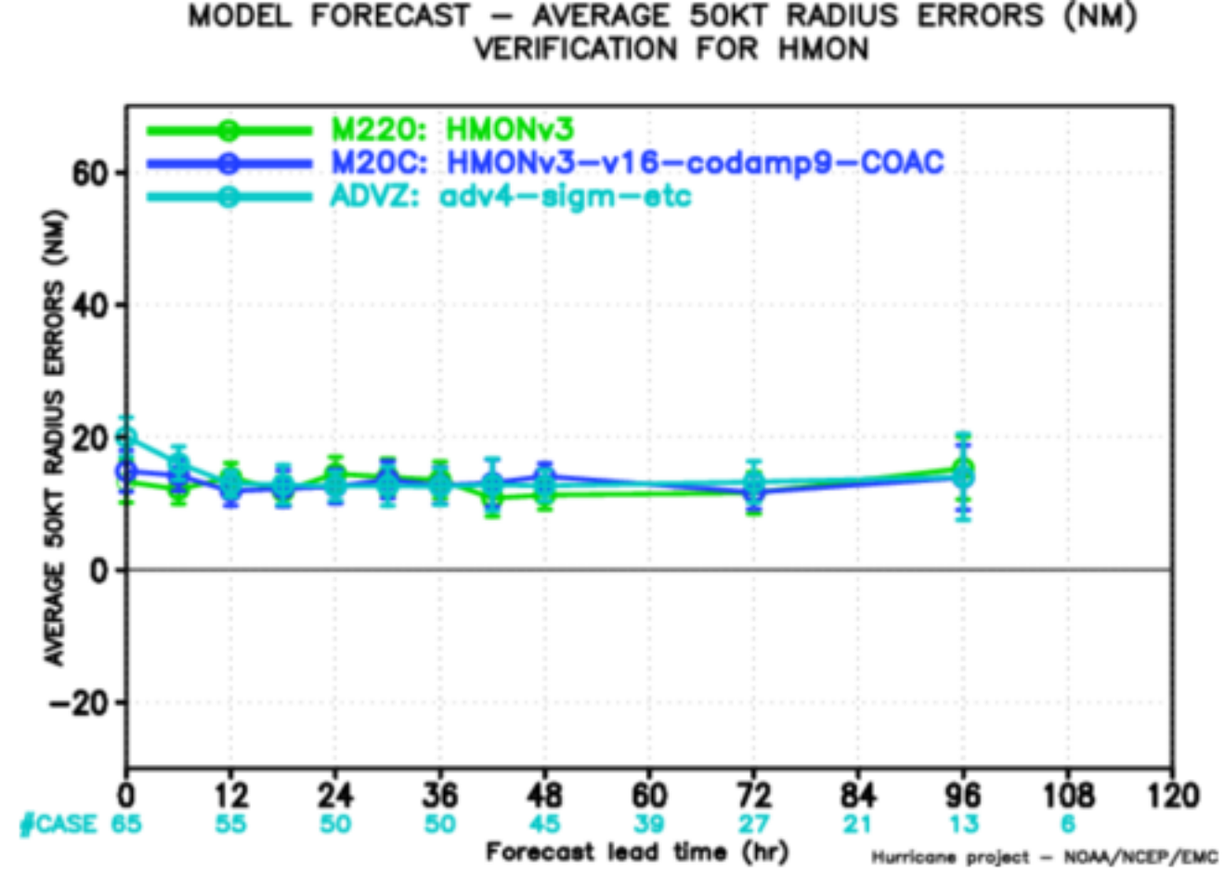
MODEL FORECAST – RADIUS OF MAXIMUM WIND (RMW) ERRORS (NM)
VERIFICATION FOR HMON

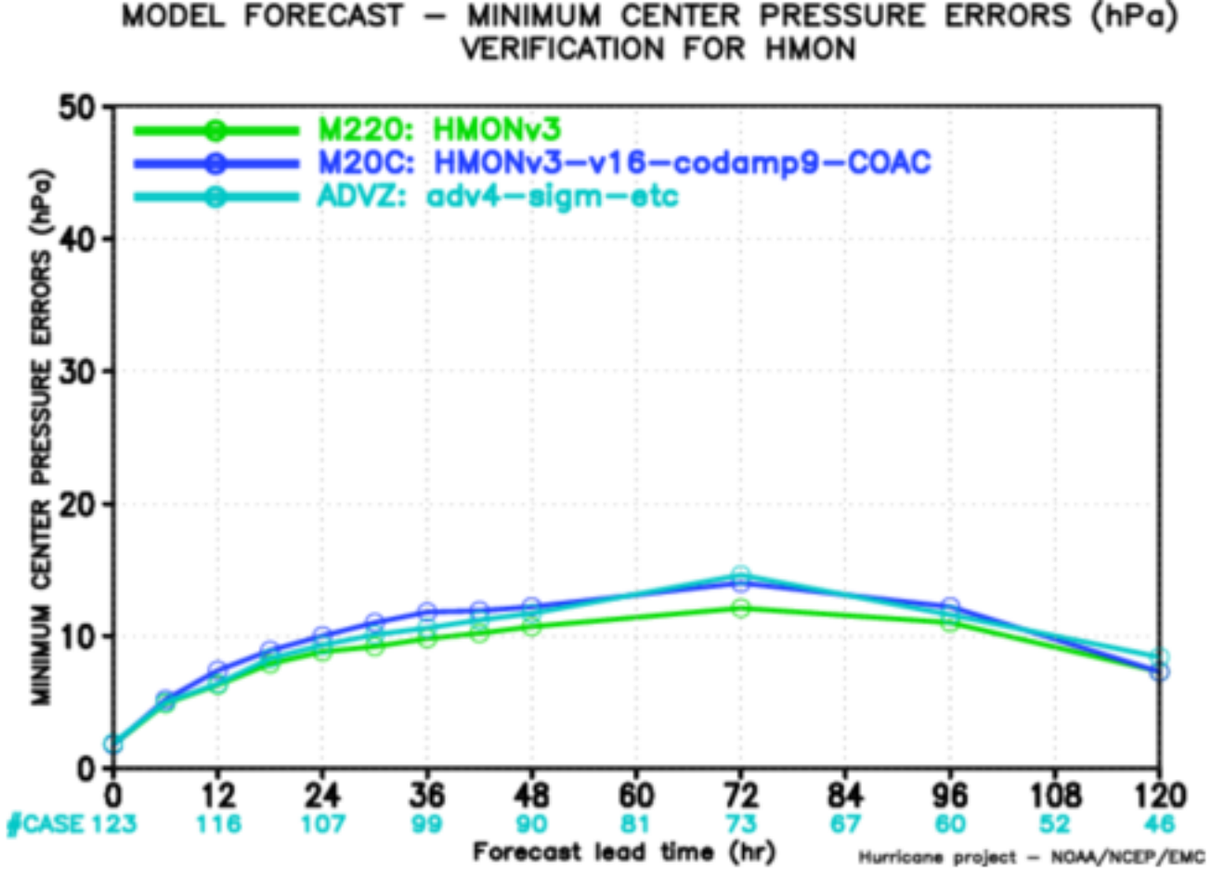


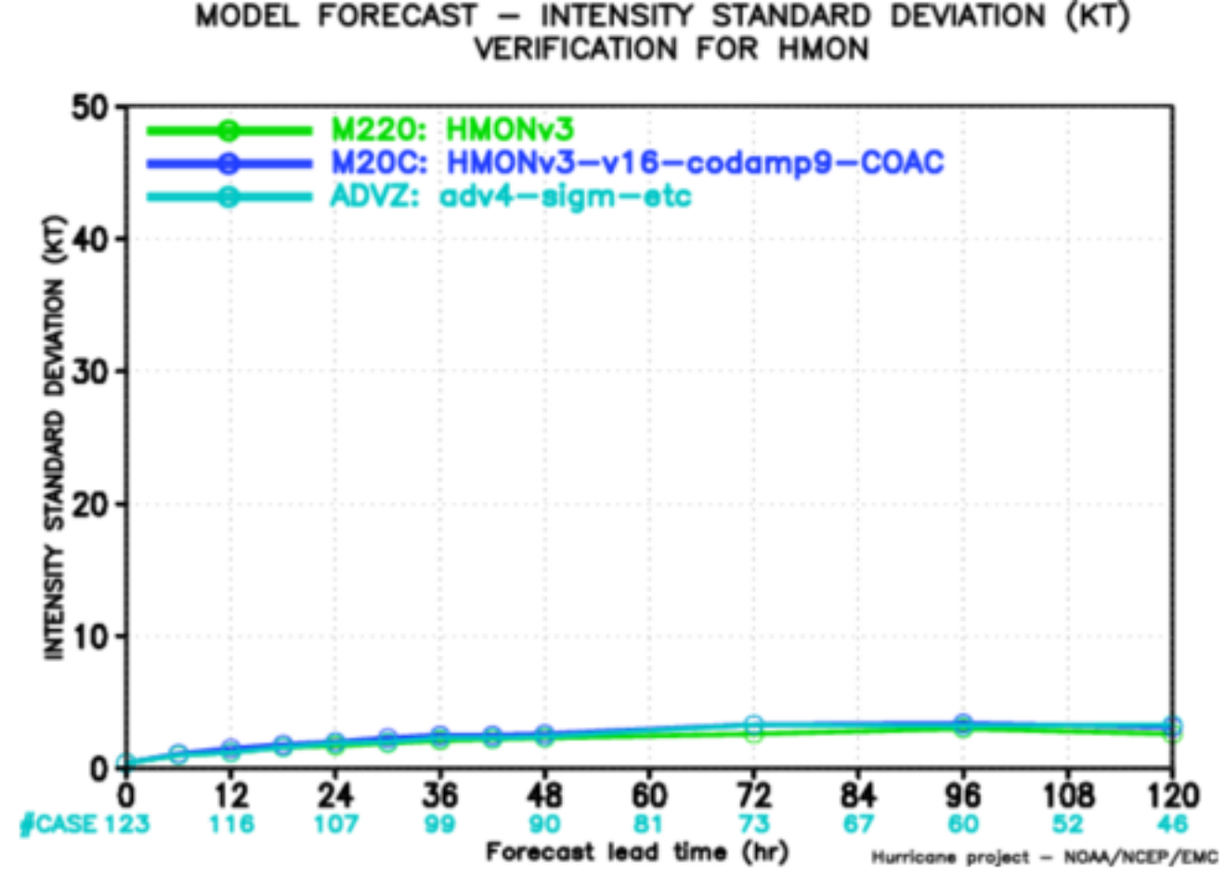
MODEL FORECAST – RADIUS OF MAXIMUM WIND BIAS (NM)
VERIFICATION FOR HMON

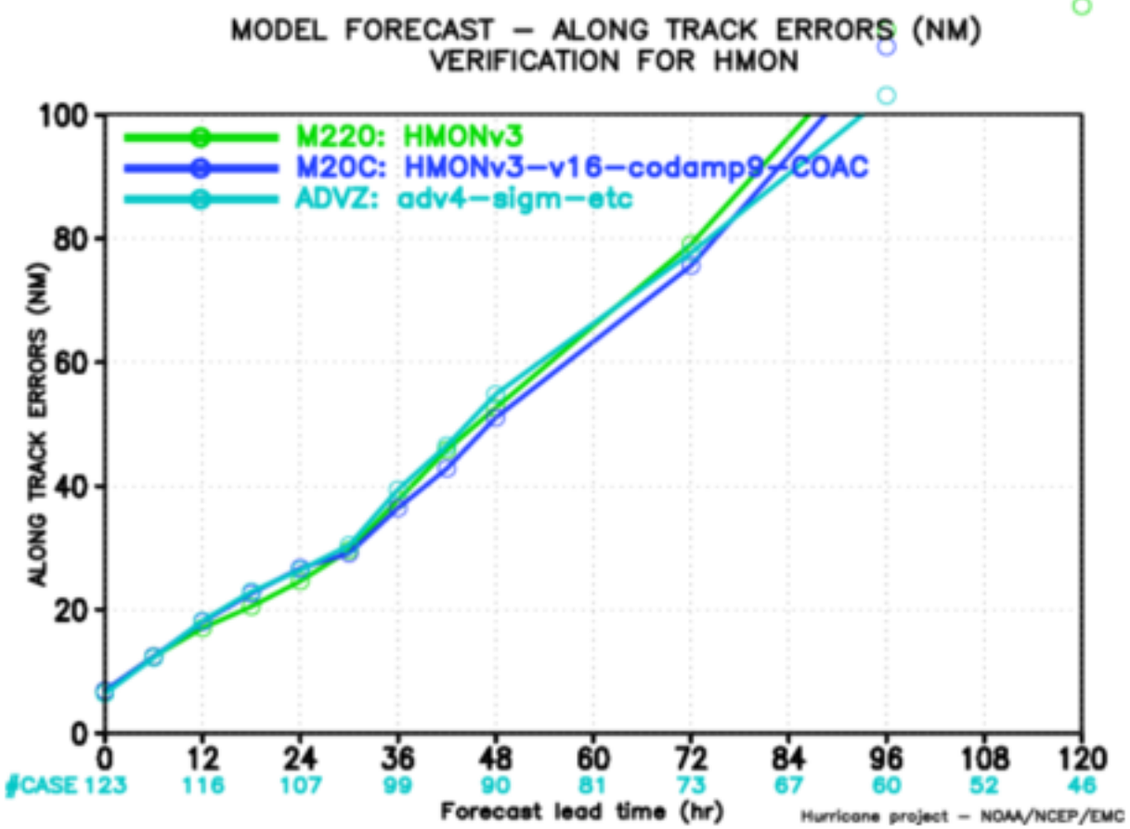


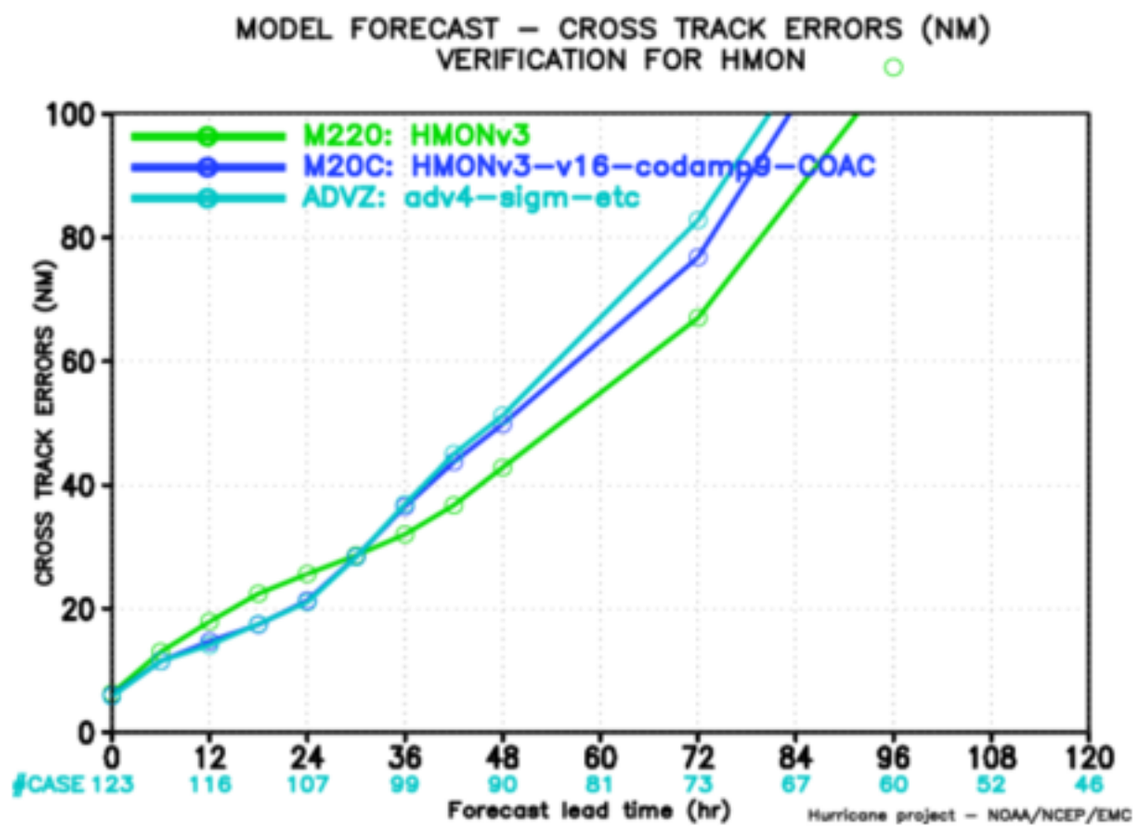

MODEL FORECAST – AVERAGE 34KT RADIUS ERRORS (NM)
VERIFICATION FOR HMON
M220: HMONv3
M20C: HMONv3–v16–codamp9–COAC
ADVZ: adv4–sigm–etc
AVERAGE 34KT RADIUS ERRORS (NM)
60
40
20
0
–20
0 12 24 36 48 60 72 84 96 108 120
#CASE 100 100 92 85 75 70 63 55 46 34 25
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – AVERAGE 50KT RADIUS ERRORS (NM)
VERIFICATION FOR HMON
M220: HMONv3
M20C: HMONv3–v16–codamp9–COAC
ADVZ: adv4–sigm–etc
AVERAGE 50KT RADIUS ERRORS (NM)
60
40
20
0
–20
0 12 24 36 48 60 72 84 96 108 120
#CASE 65 55 50 50 45 39 27 21 13 6
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – MINIMUM CENTER PRESSURE ERRORS (hPa)
VERIFICATION FOR HMON
M220: HMONv3
M20C: HMONv3–v16–codamp9–COAC
ADVZ: adv4–sigm–etc
MINIMUM CENTER PRESSURE ERRORS (hPa)
0 10 20 30 40 50
0 12 24 36 48 60 72 84 96 108 120
#CASE 123 116 107 99 90 81 73 67 60 52 46
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – INTENSITY STANDARD DEVIATION (KT)
VERIFICATION FOR HMON
M220: HMONv3
M20C: HMONv3–v16–codamp9–COAC
ADVZ: adv4–sigm–etc
INTENSITY STANDARD DEVIATION (KT)
0 10 20 30 40 50
0 12 24 36 48 60 72 84 96 108 120
#CASE 123 116 107 99 90 81 73 67 60 52 46
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – ALONG TRACK ERRORS (NM)
VERIFICATION FOR HMON
M220: HMONv3
M20C: HMONv3–v16–codamp9–COAC
ADVZ: adv4–sigm–etc
ALONG TRACK ERRORS (NM)
0 20 40 60 80 100
0 12 24 36 48 60 72 84 96 108 120
#CASE 123 116 107 99 90 81 73 67 60 52 46
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – CROSS TRACK ERRORS (NM)
VERIFICATION FOR HMON
M220: HMONv3
M20C: HMONv3–v16–codamp9–COAC
ADVZ: adv4–sigm–etc
CROSS TRACK ERRORS (NM)
0 20 40 60 80 100
0 12 24 36 48 60 72 84 96 108 120
#CASE 123 116 107 99 90 81 73 67 60 52 46
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC