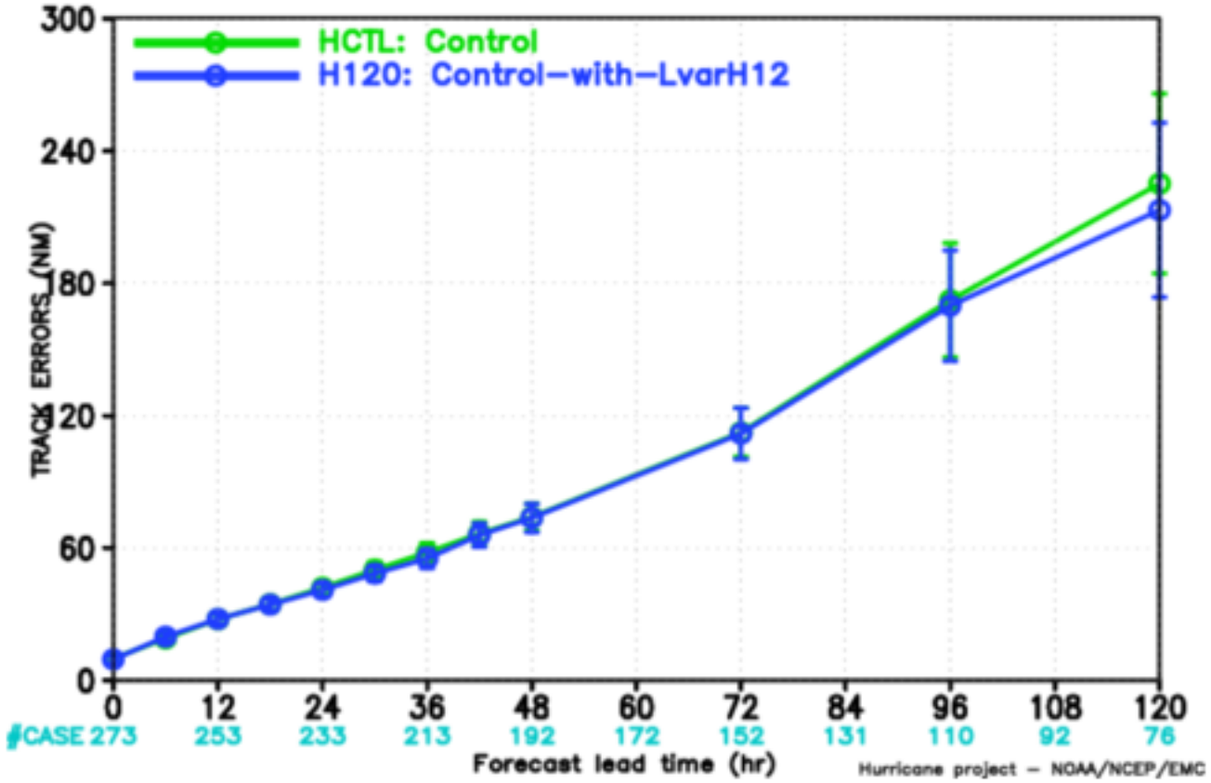
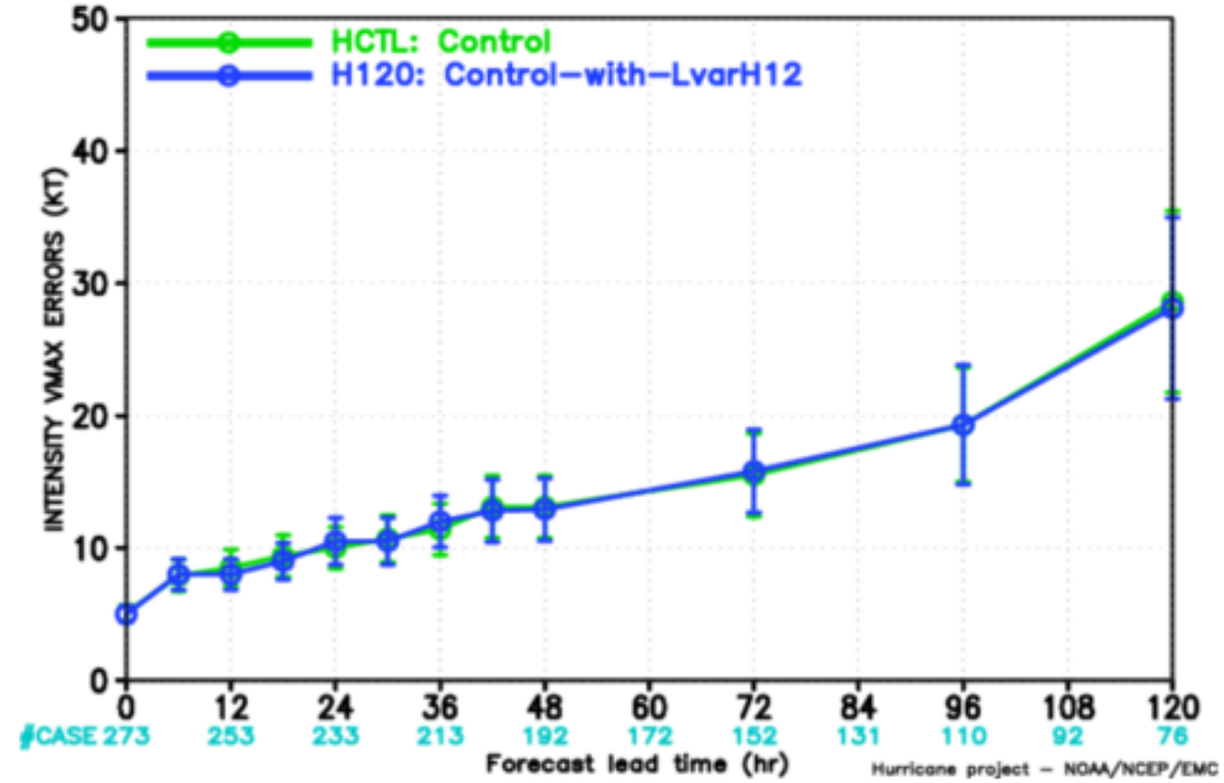
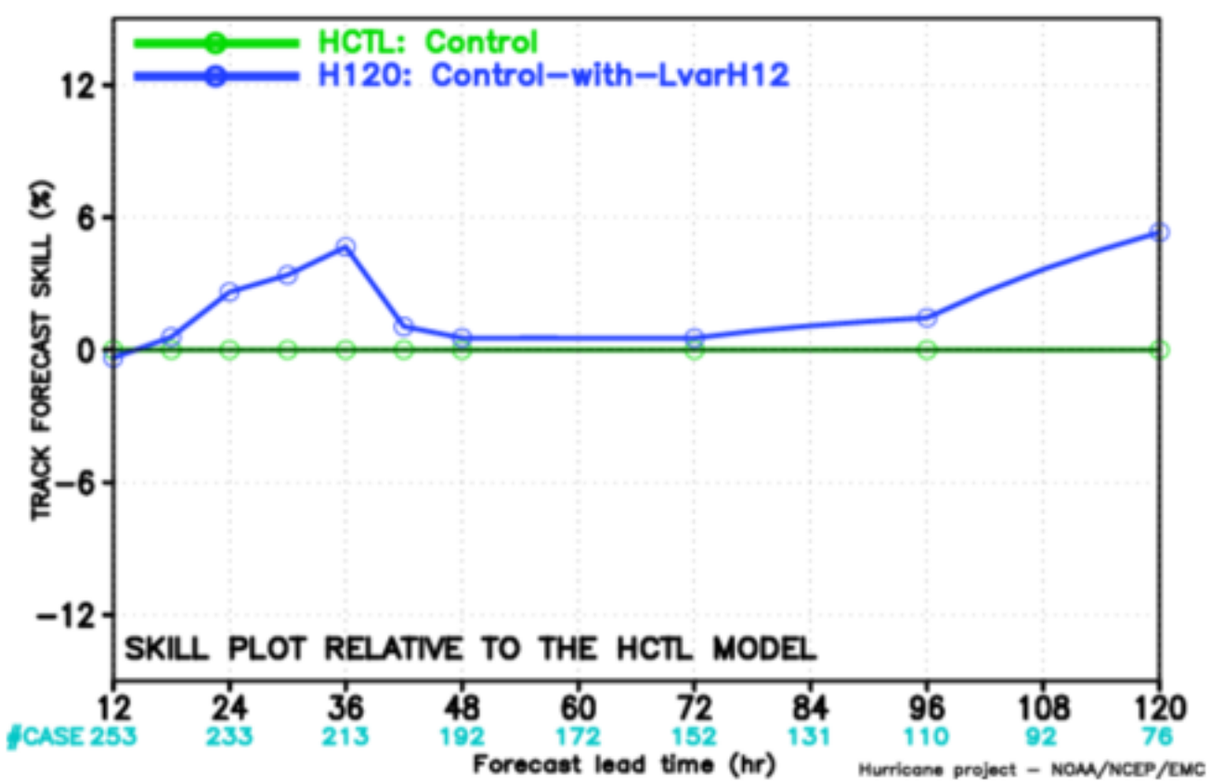
MODEL FORECAST – TRACK ERRORS (NM)
VERIFICATION FOR HMON



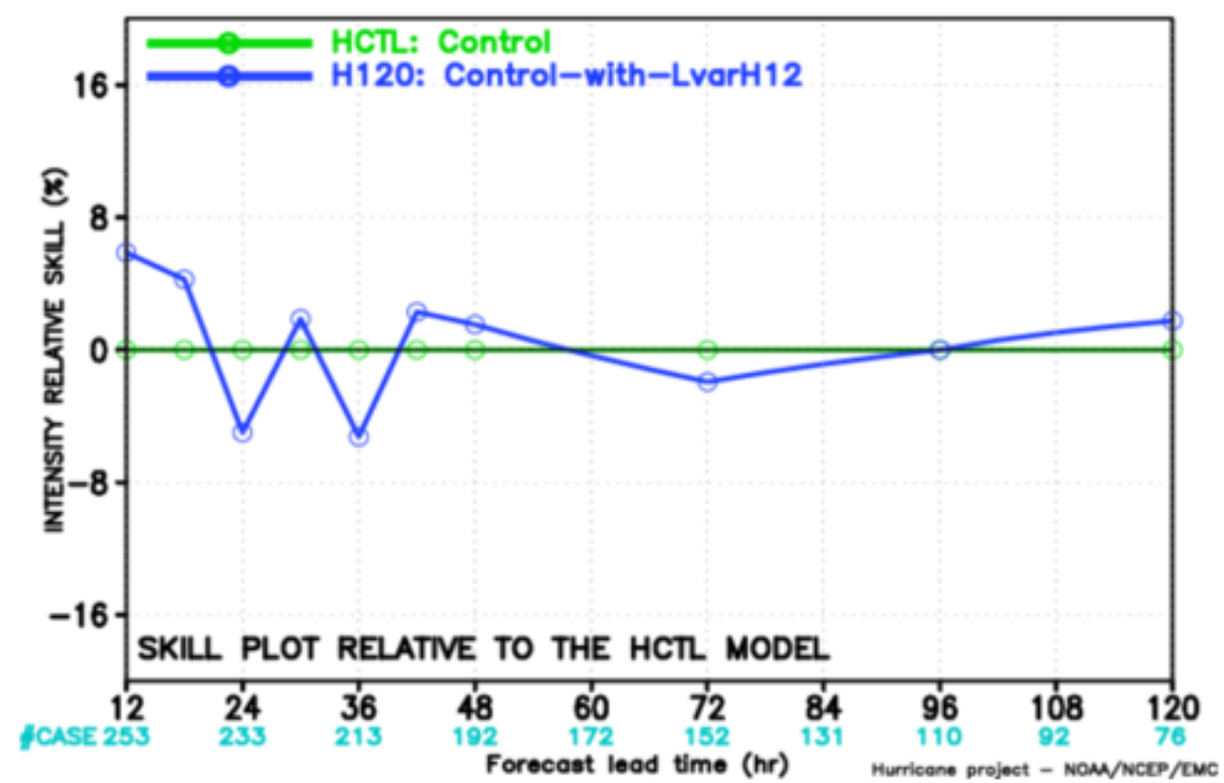
MODEL FORECAST – INTENSITY VMAX ERRORS (KT)
VERIFICATION FOR HMON



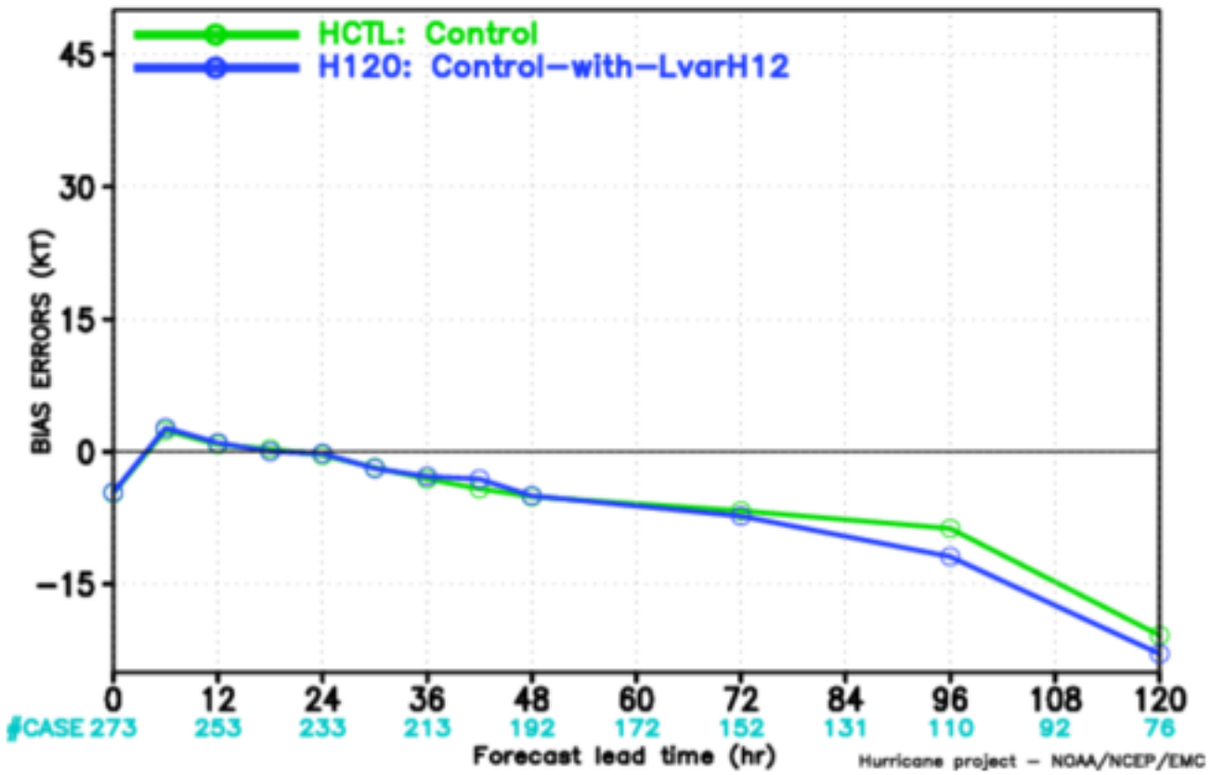
MODEL FORECAST – TRACK FORECAST SKILL (%) STATISTICS
VERIFICATION FOR HMON



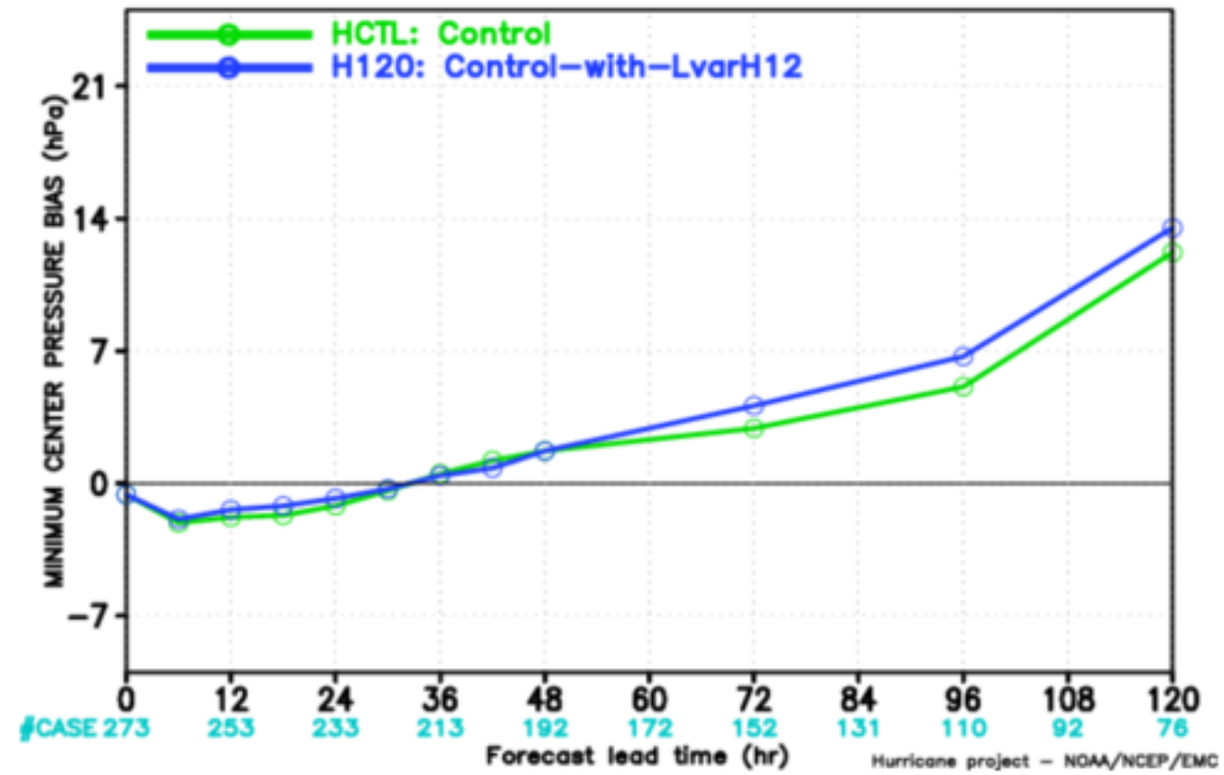
MODEL FORECAST – INTENSITY RELATIVE SKILL (%) STATISTICS
VERIFICATION FOR HMON



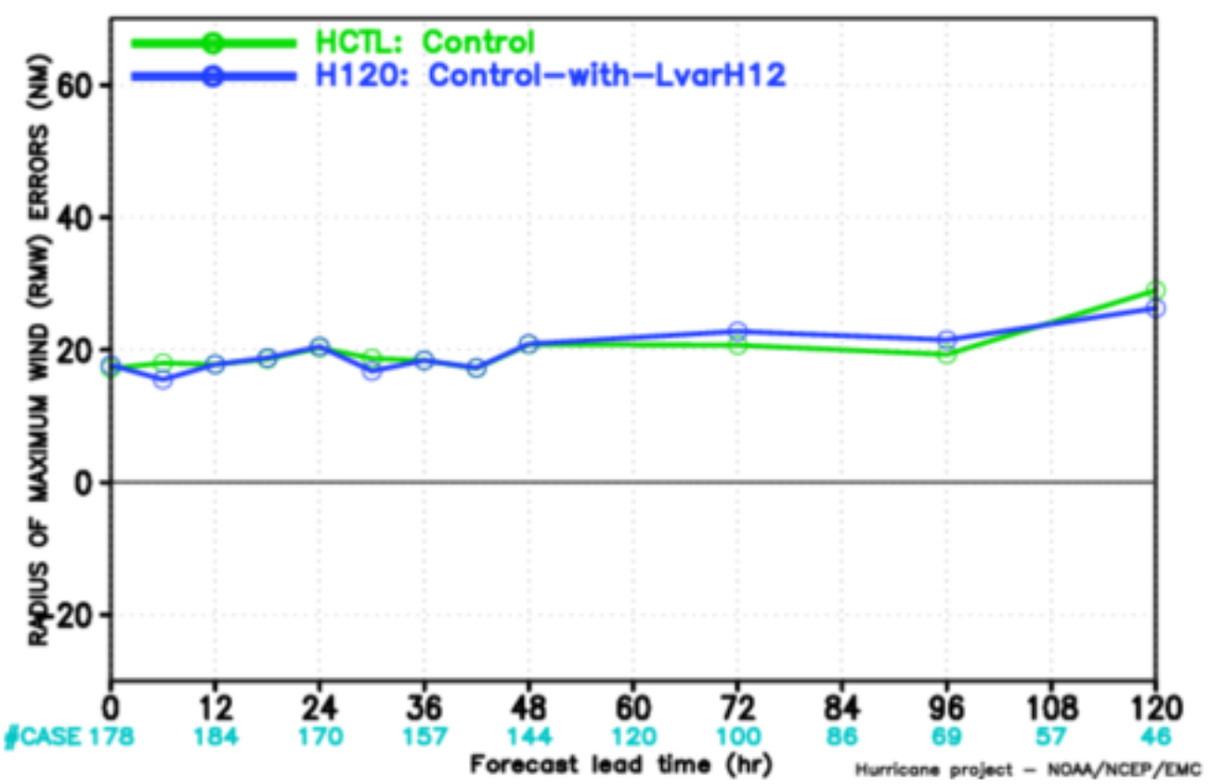
MODEL FORECAST – BIAS ERRORS (KT)
VERIFICATION FOR HMON



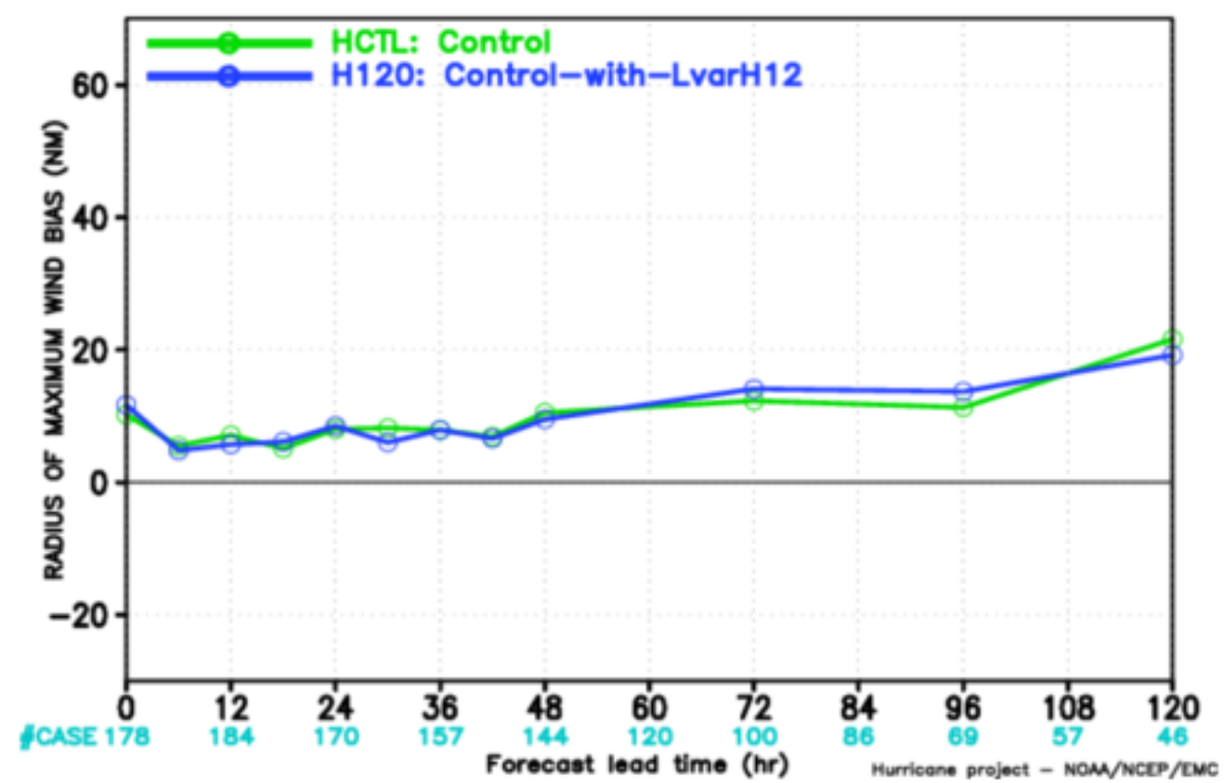
MODEL FORECAST – MINIMUM CENTER PRESSURE BIAS (hPa)
VERIFICATION FOR HMON

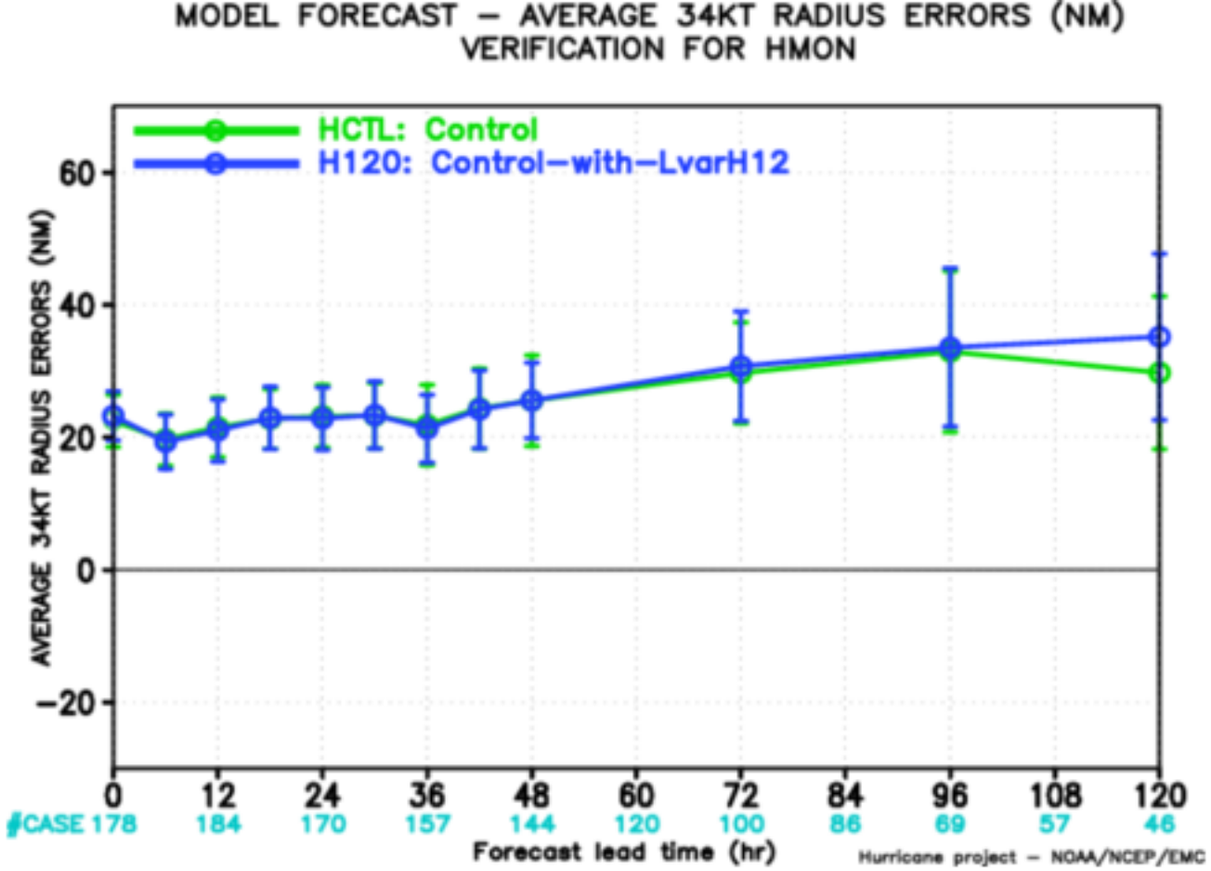


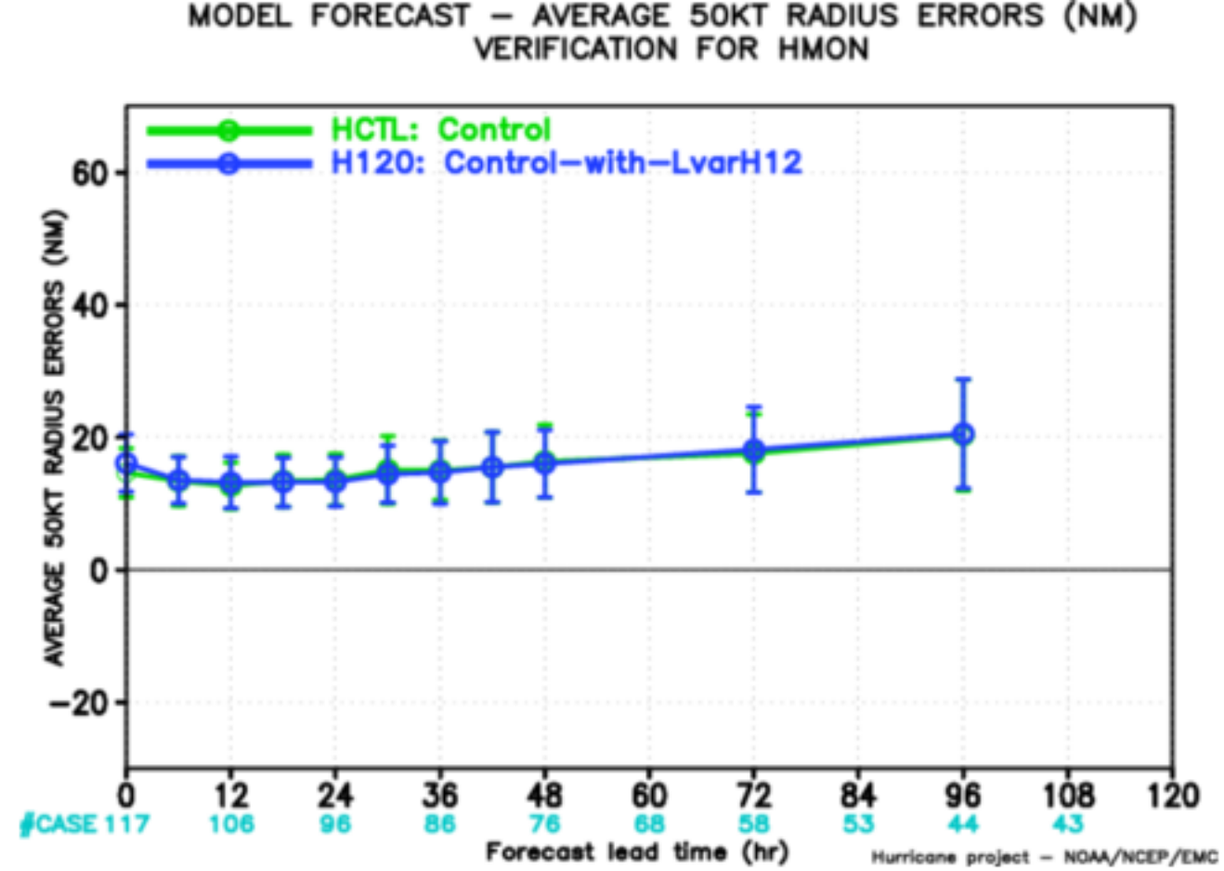
MODEL FORECAST – RADIUS OF MAXIMUM WIND (RMW) ERRORS (NM)
VERIFICATION FOR HMON

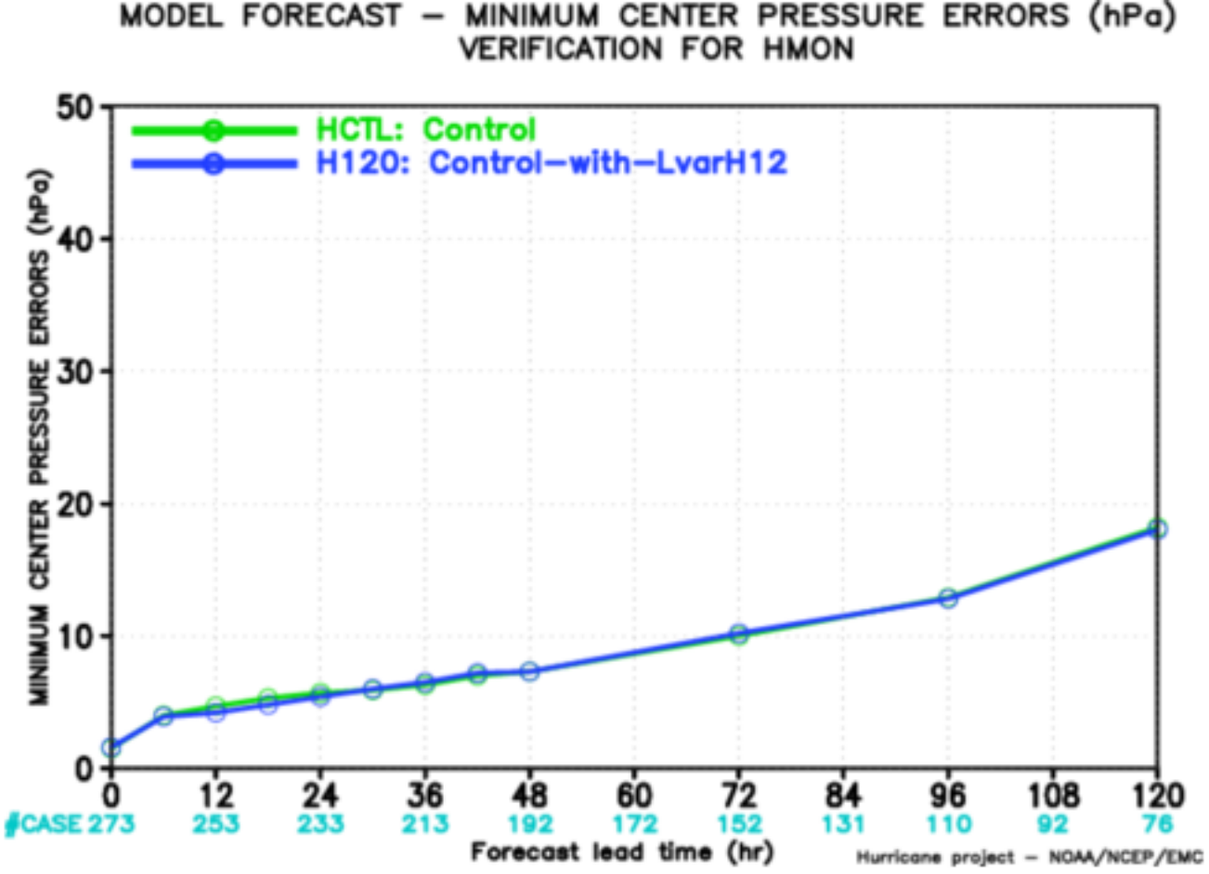


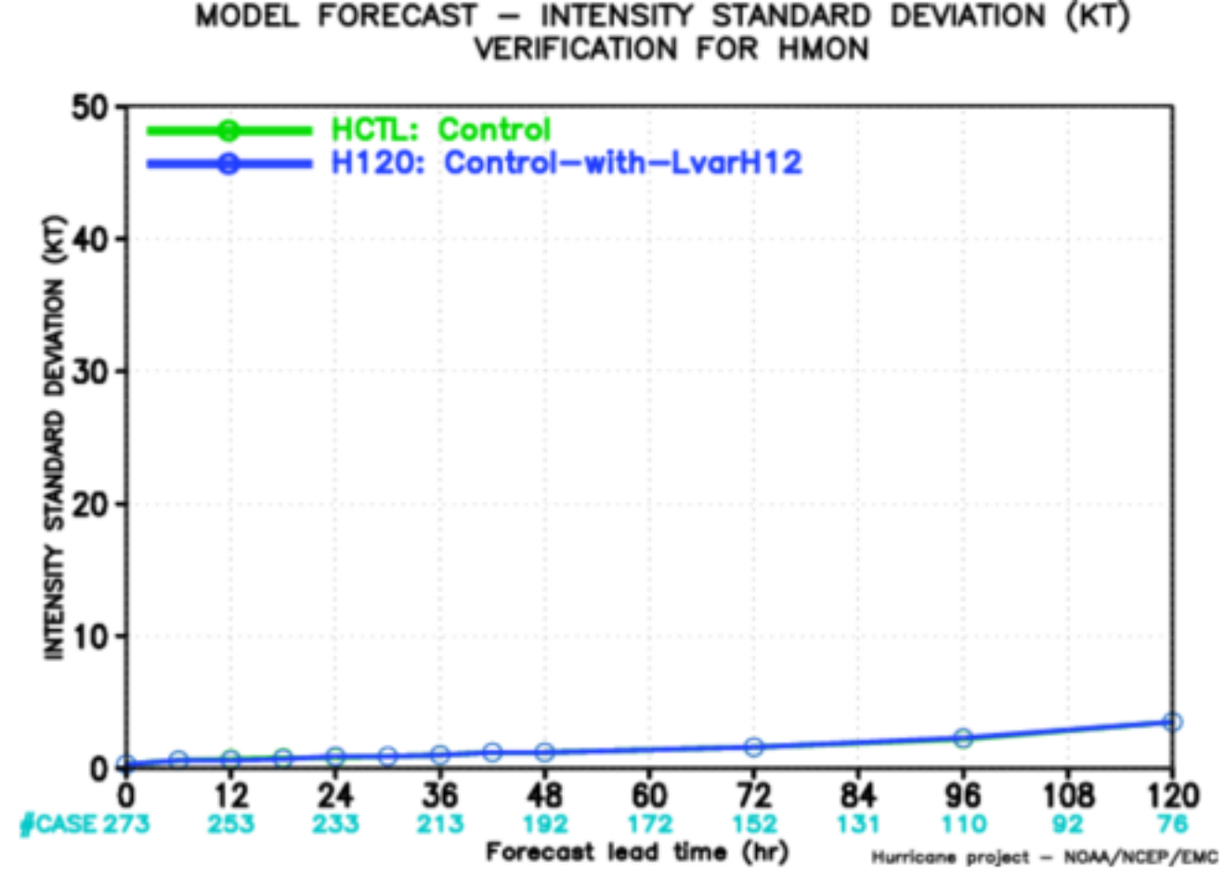
MODEL FORECAST – RADIUS OF MAXIMUM WIND BIAS (NM)
VERIFICATION FOR HMON

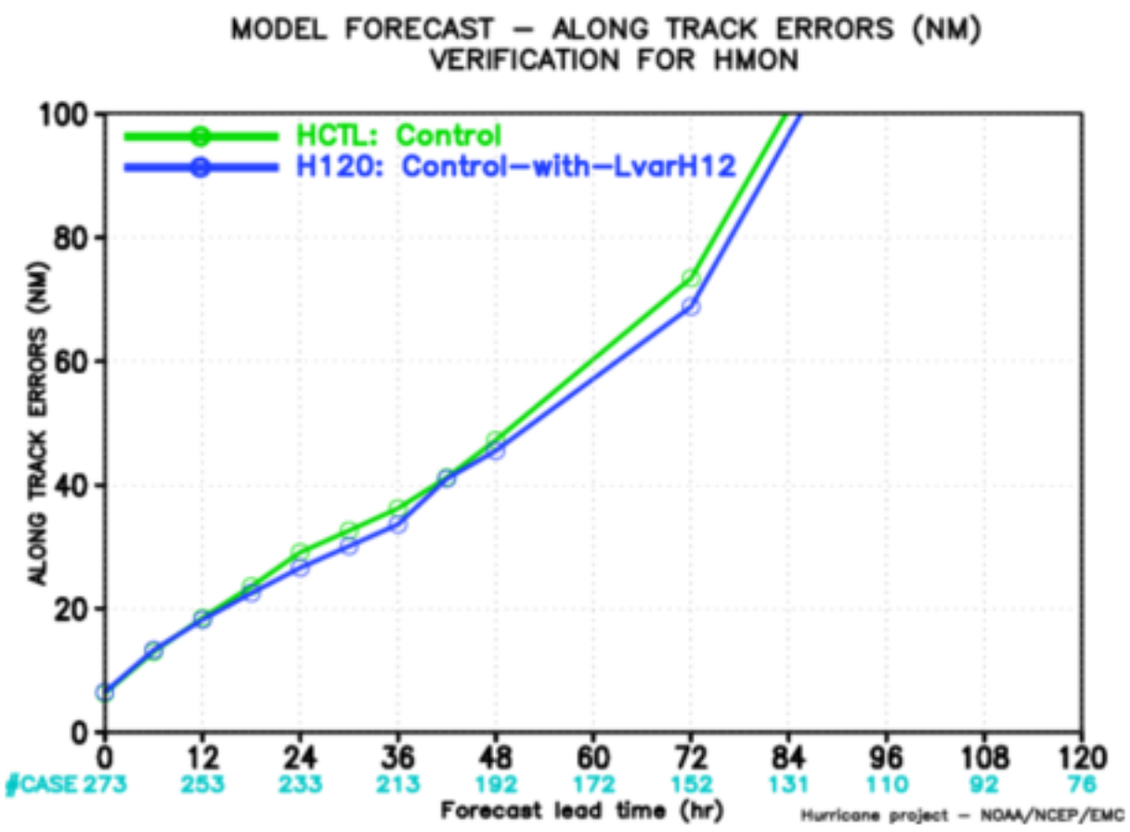


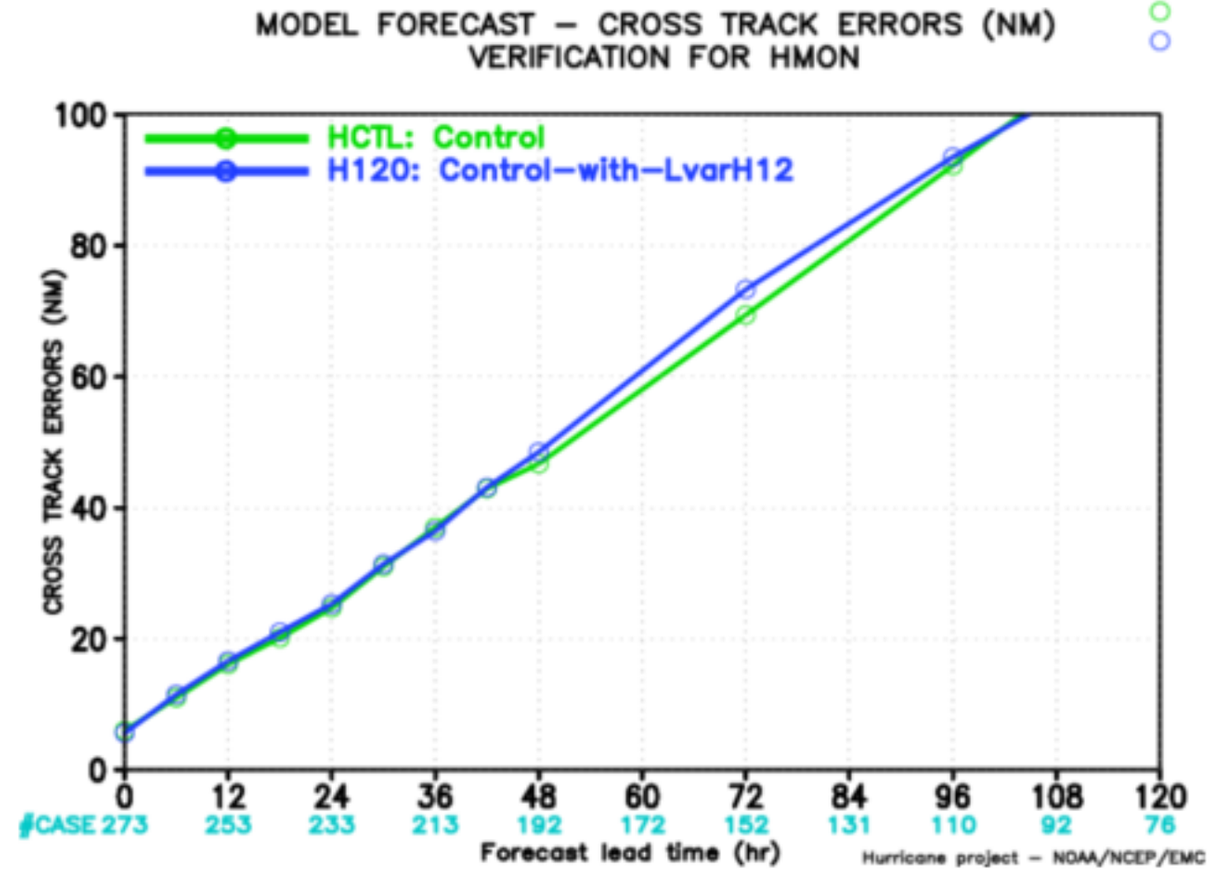

MODEL FORECAST – AVERAGE 34KT RADIUS ERRORS (NM)
VERIFICATION FOR HMON
HCTL: Control
H120: Control–with–LvarH12
AVERAGE 34KT RADIUS ERRORS (NM)
60
40
20
0
−20
0 12 24 36 48 60 72 84 96 108 120
#CASE 178 184 170 157 144 120 100 86 69 57 46
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – AVERAGE 50KT RADIUS ERRORS (NM)
VERIFICATION FOR HMON
HCTL: Control
H120: Control–with–LvarH12
AVERAGE 50KT RADIUS ERRORS (NM)
60
40
20
0
−20
0 12 24 36 48 60 72 84 96 108 120
#CASE 117 106 96 86 76 68 58 53 44 43
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – MINIMUM CENTER PRESSURE ERRORS (hPa)
VERIFICATION FOR HMON
HCTL: Control
H120: Control–with–LvarH12
MINIMUM CENTER PRESSURE ERRORS (hPa)
0 10 20 30 40 50
0 12 24 36 48 60 72 84 96 108 120
#CASE 273 253 233 213 192 172 152 131 110 92 76
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – INTENSITY STANDARD DEVIATION (KT)
VERIFICATION FOR HMON
HCTL: Control
H120: Control–with–LvarH12
INTENSITY STANDARD DEVIATION (KT)
0 10 20 30 40 50
0 12 24 36 48 60 72 84 96 108 120
#CASE 273 253 233 213 192 172 152 131 110 92 76
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – ALONG TRACK ERRORS (NM)
VERIFICATION FOR HMON
HCTL: Control
H120: Control–with–LvarH12
ALONG TRACK ERRORS (NM)
0 20 40 60 80 100
0 12 24 36 48 60 72 84 96 108 120
#CASE 273 253 233 213 192 172 152 131 110 92 76
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – CROSS TRACK ERRORS (NM)
VERIFICATION FOR HMON
HCTL: Control
H120: Control–with–LvarH12
CROSS TRACK ERRORS (NM)
0 20 40 60 80 100
0 12 24 36 48 60 72 84 96 108 120
#CASE 273 253 233 213 192 172 152 131 110 92 76
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC