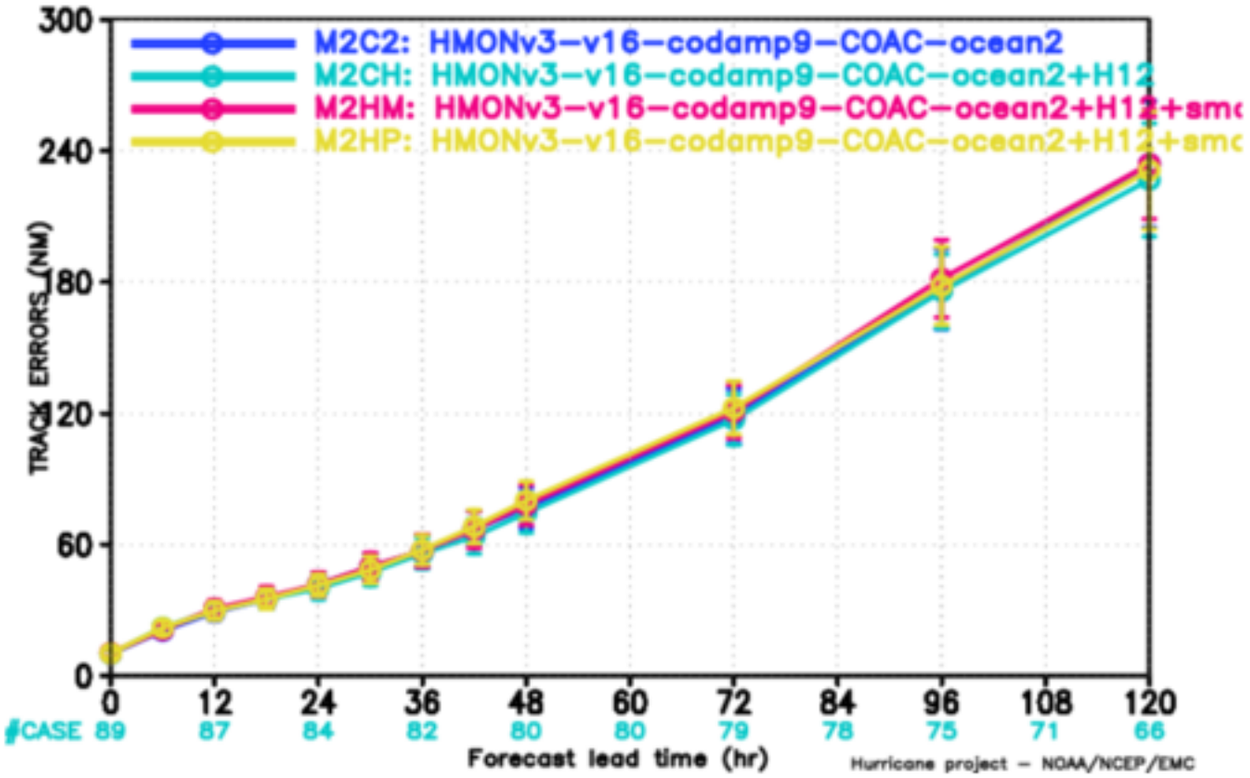
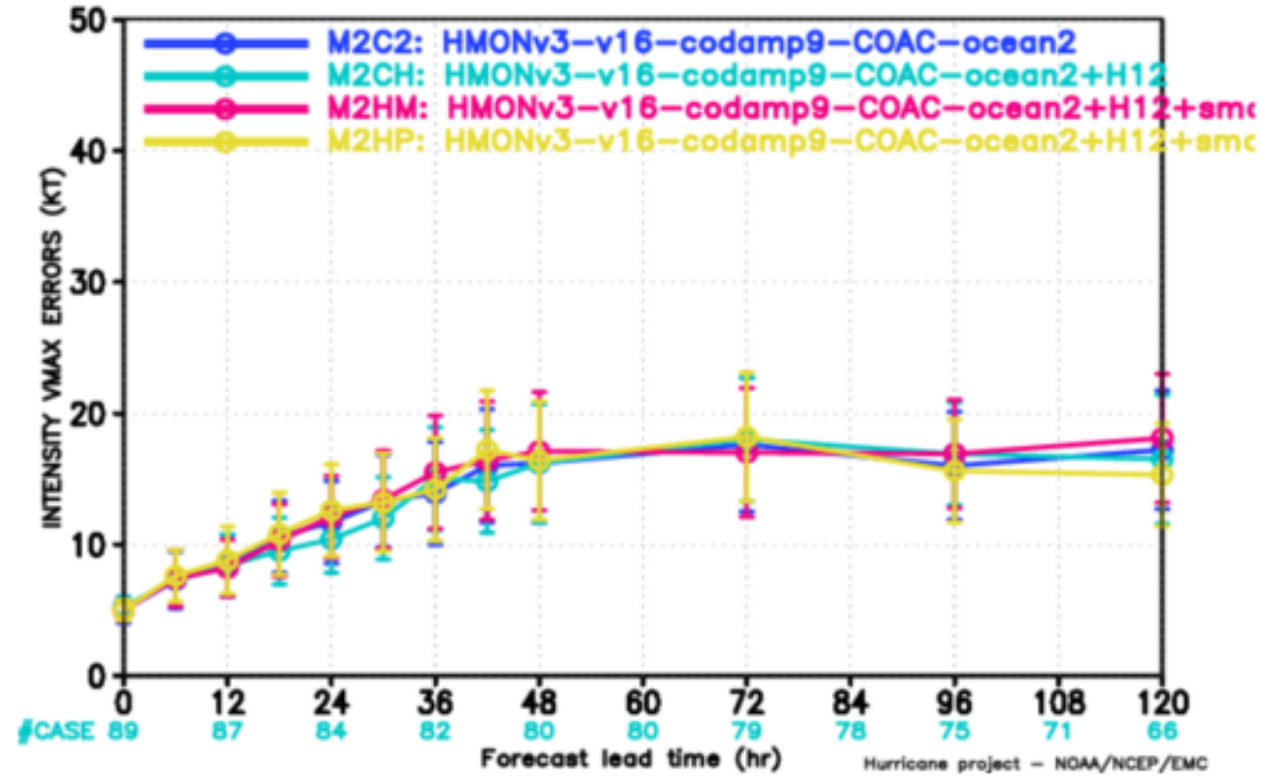
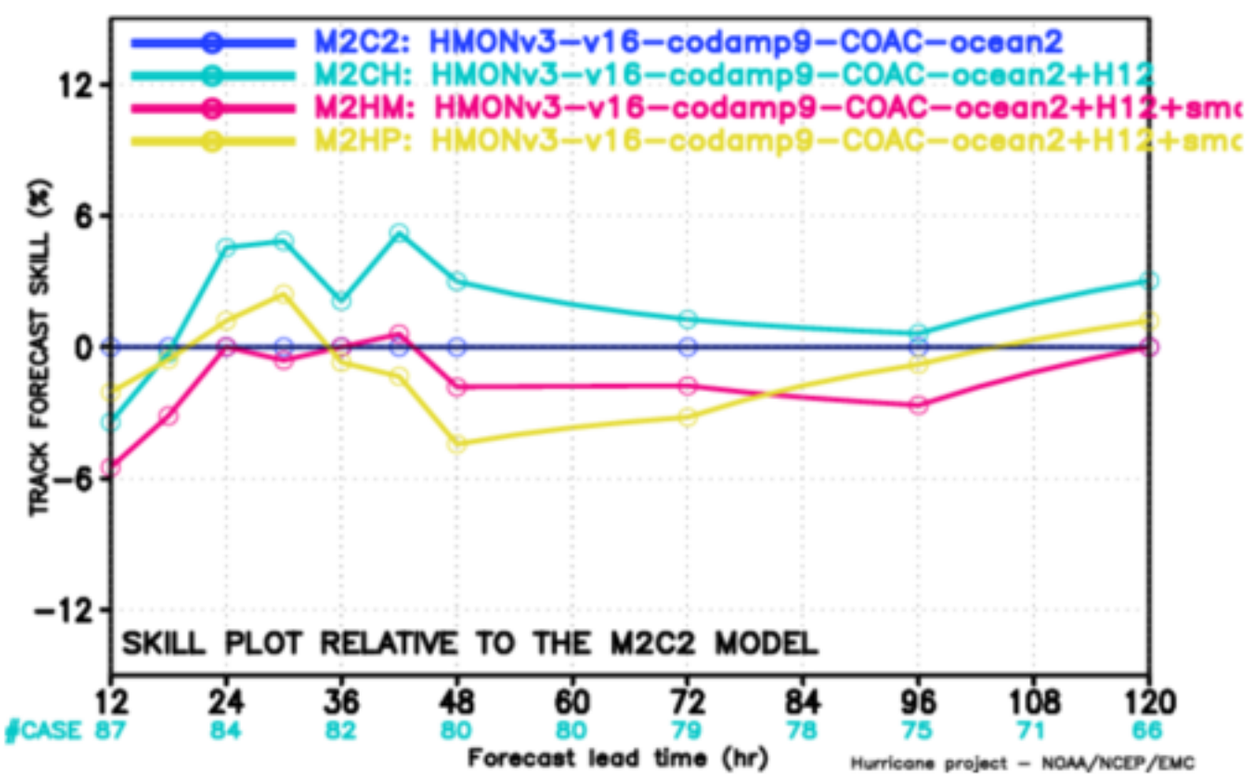
MODEL FORECAST – TRACK ERRORS (NM)
VERIFICATION FOR HMON



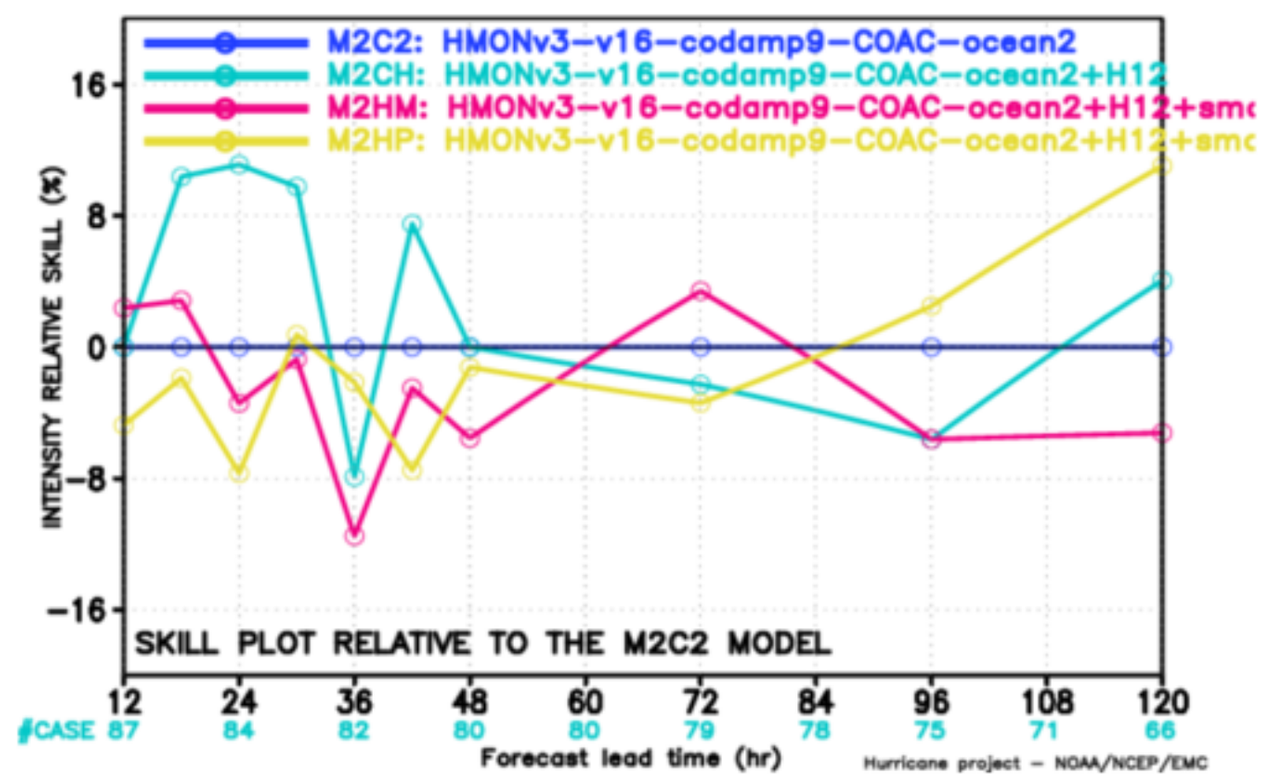
MODEL FORECAST – INTENSITY VMAX ERRORS (KT)
VERIFICATION FOR HMON



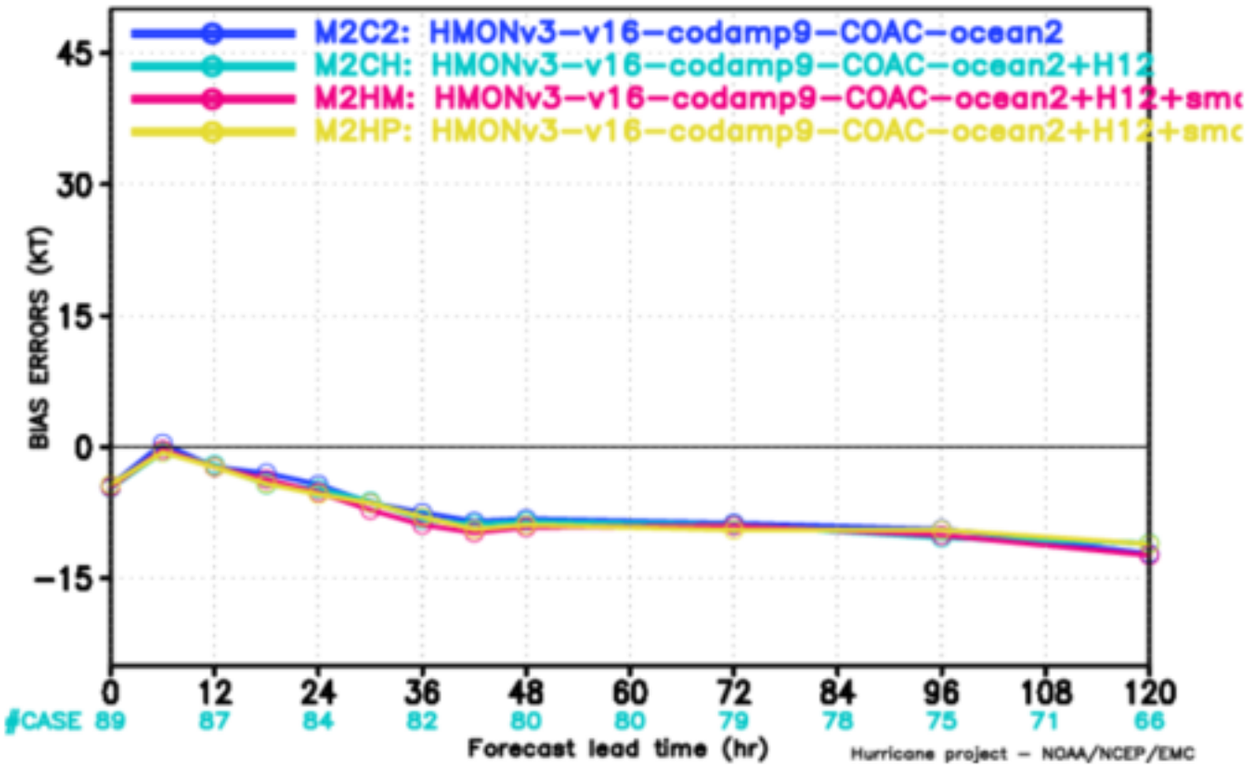
MODEL FORECAST – TRACK FORECAST SKILL (%) STATISTICS
VERIFICATION FOR HMON



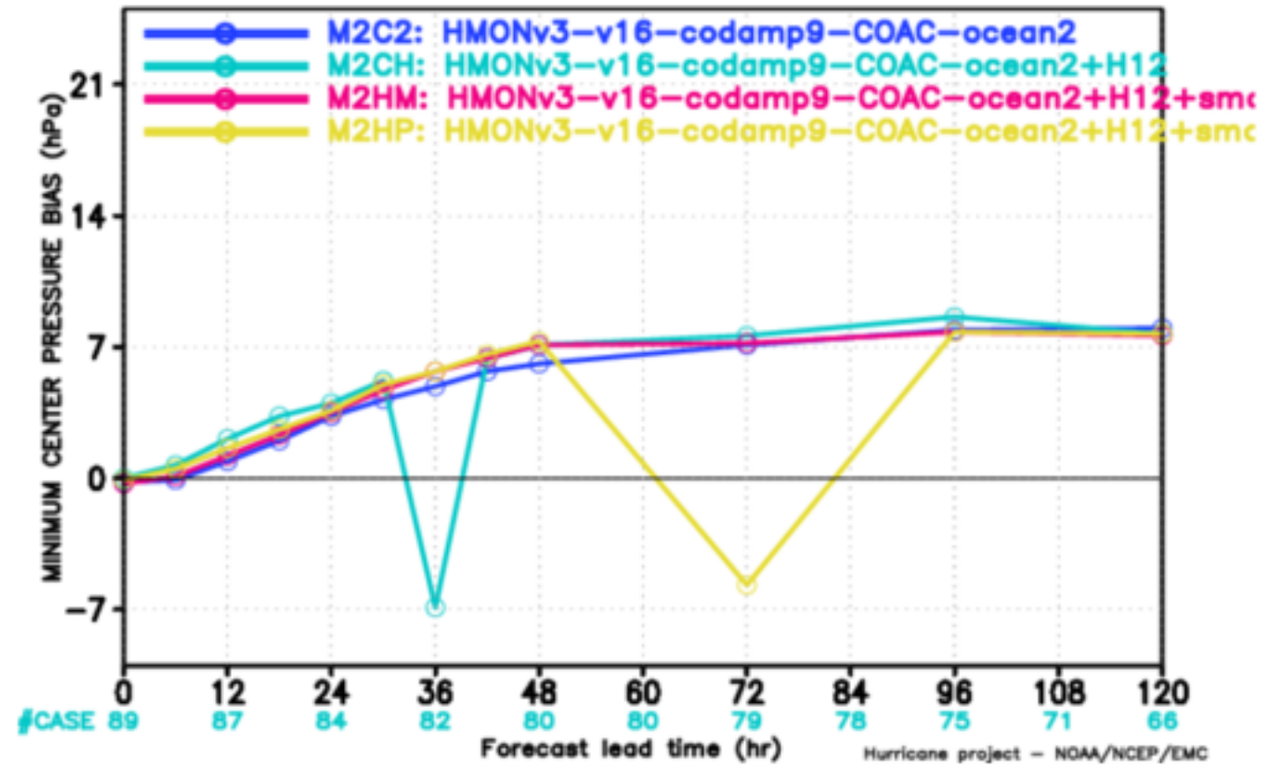
MODEL FORECAST – INTENSITY RELATIVE SKILL (%) STATISTICS
VERIFICATION FOR HMON



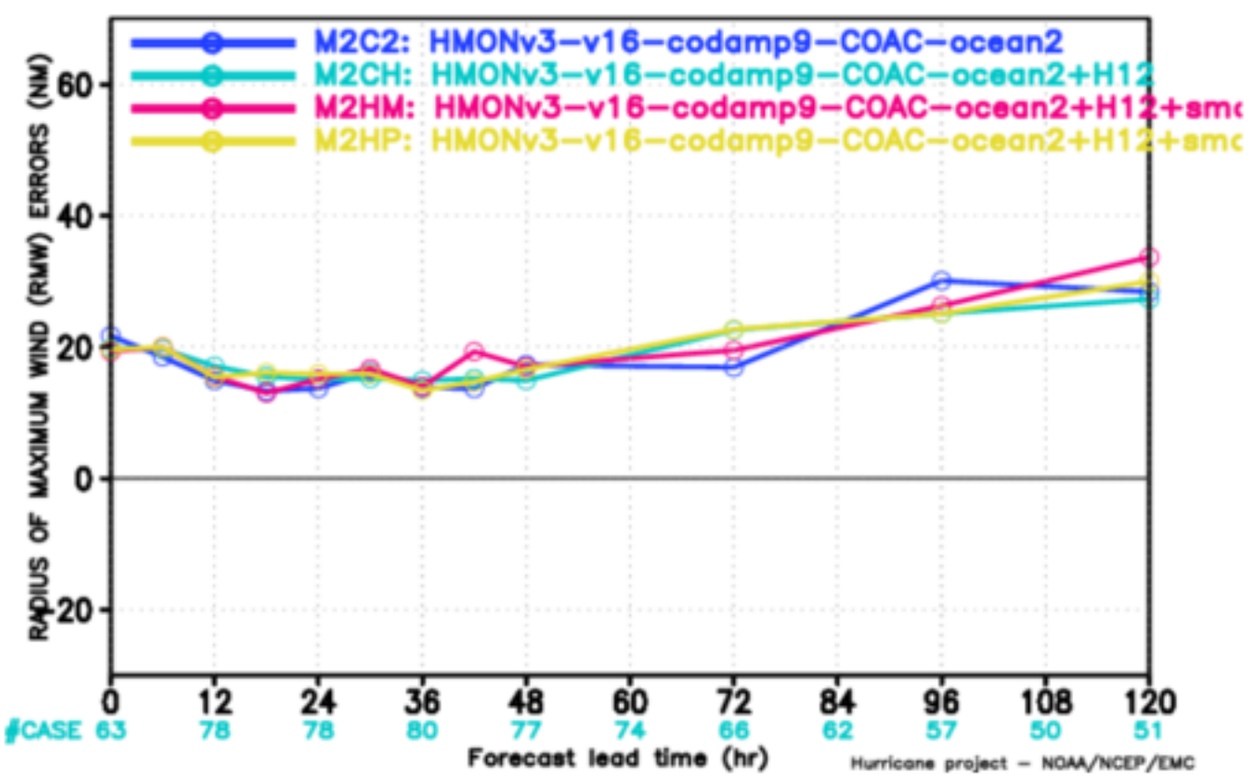
MODEL FORECAST – BIAS ERRORS (KT)
VERIFICATION FOR HMON



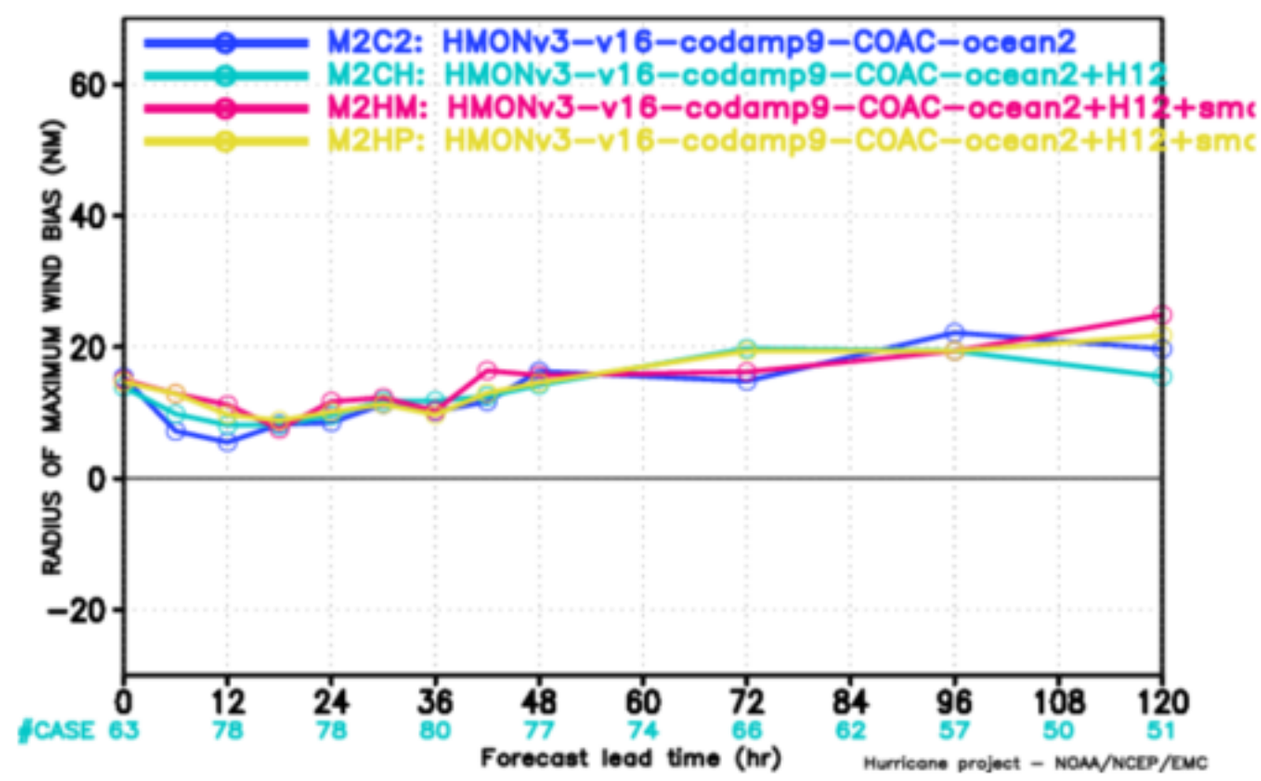
MODEL FORECAST – MINIMUM CENTER PRESSURE BIAS (hPa)
VERIFICATION FOR HMON

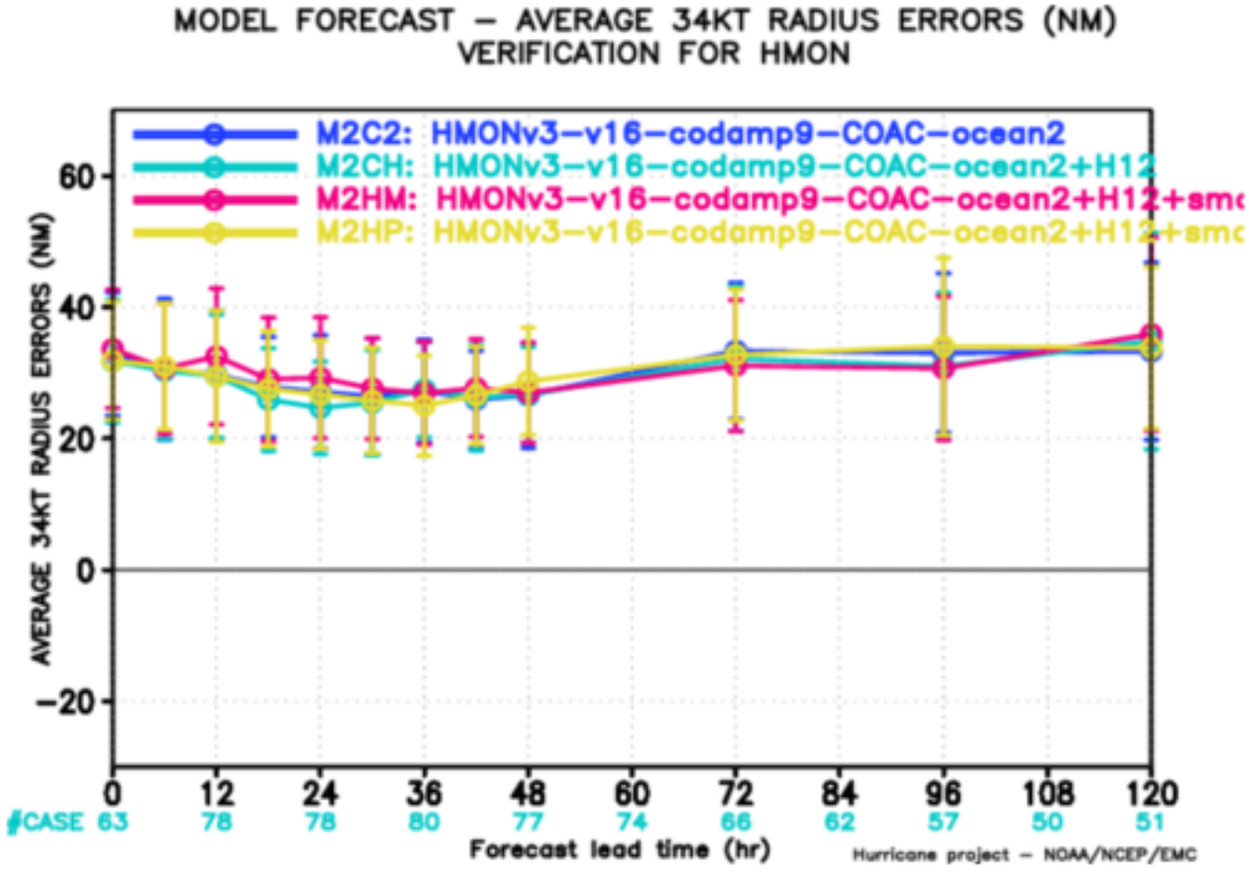


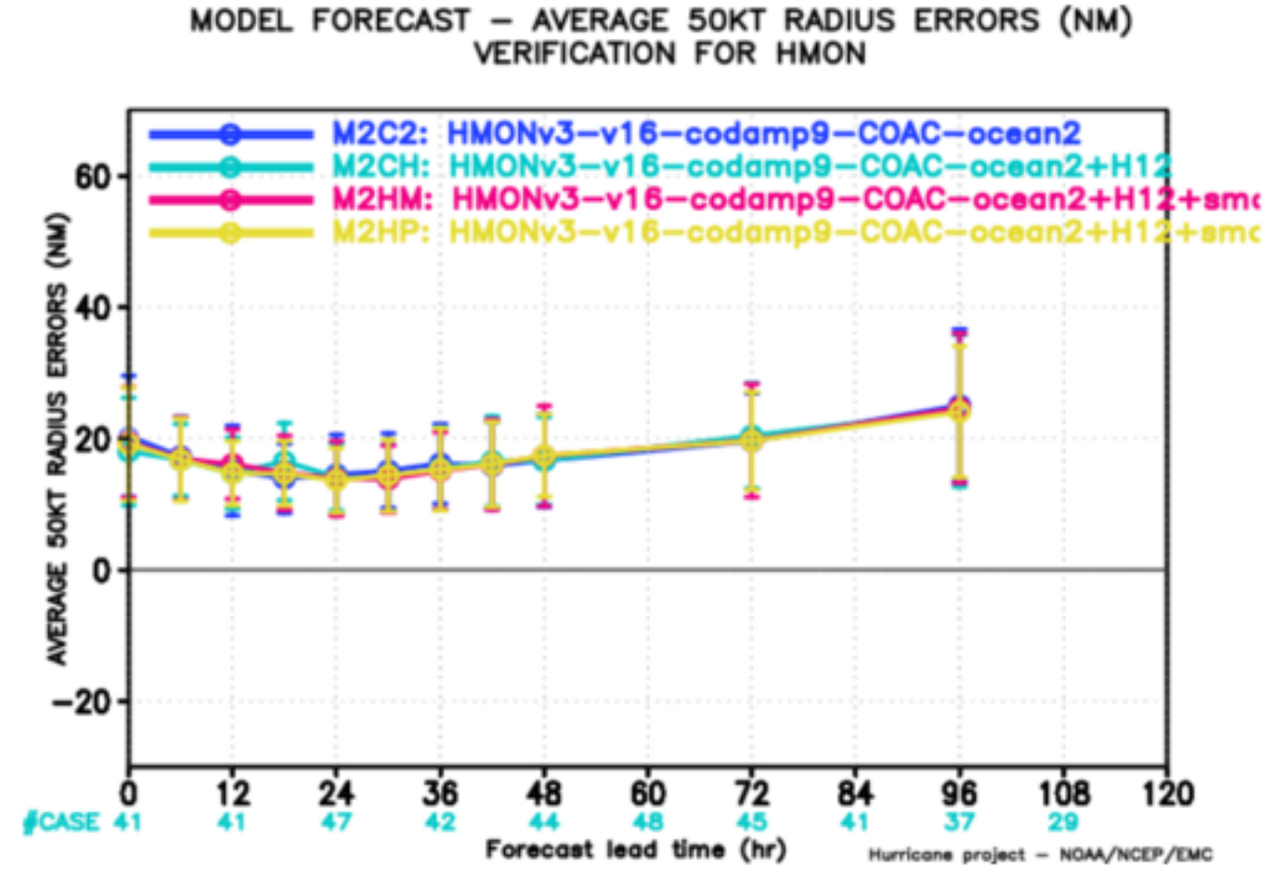
MODEL FORECAST – RADIUS OF MAXIMUM WIND (RMW) ERRORS (NM)
VERIFICATION FOR HMON

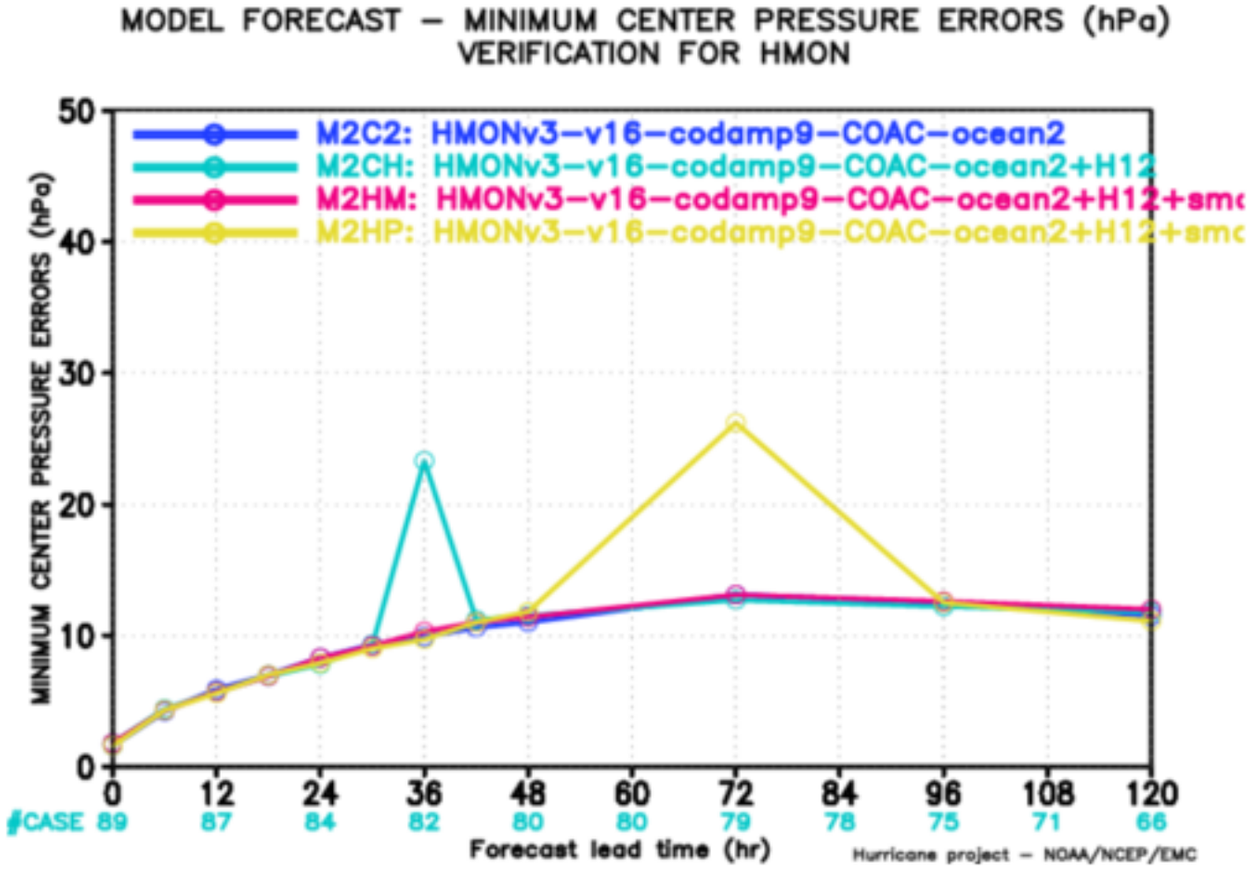


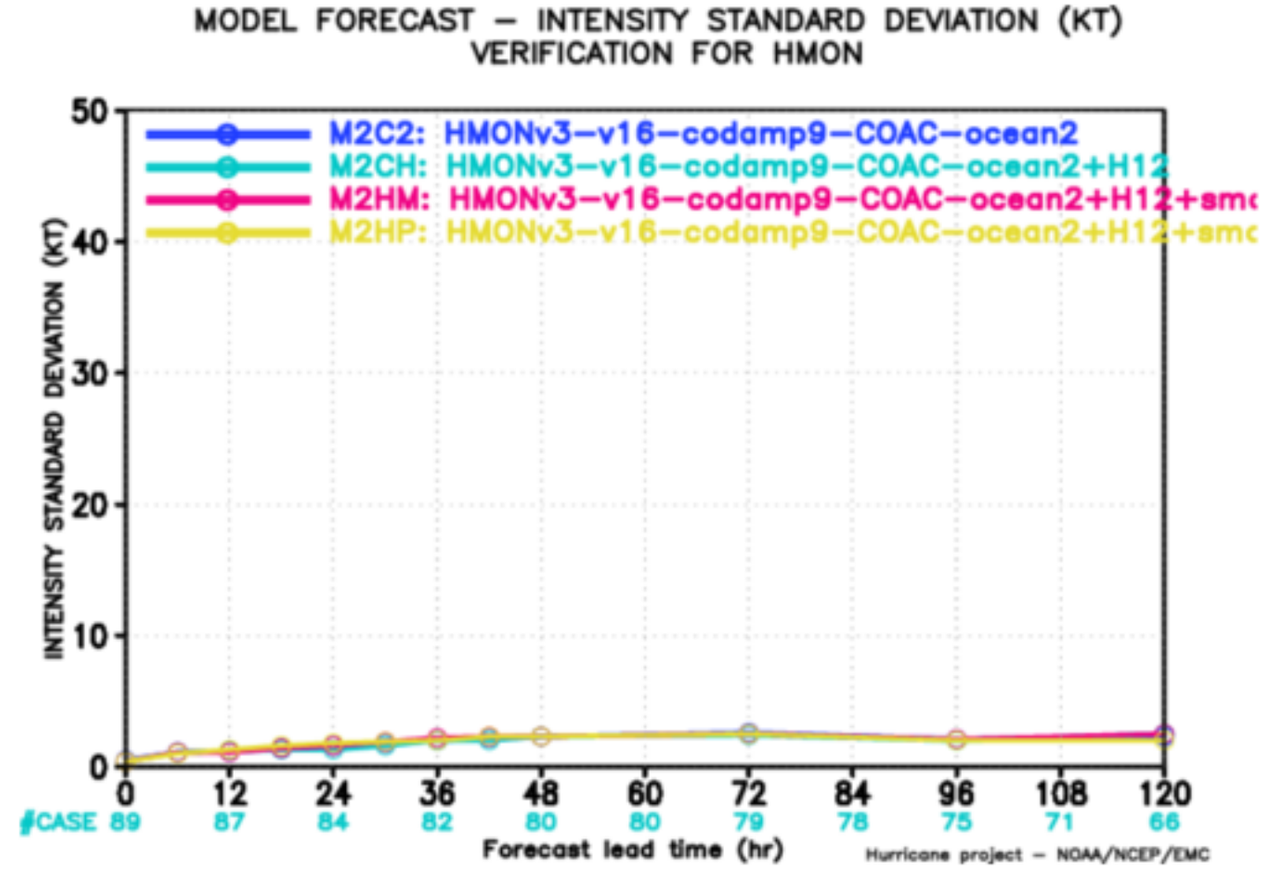
MODEL FORECAST – RADIUS OF MAXIMUM WIND BIAS (NM)
VERIFICATION FOR HMON

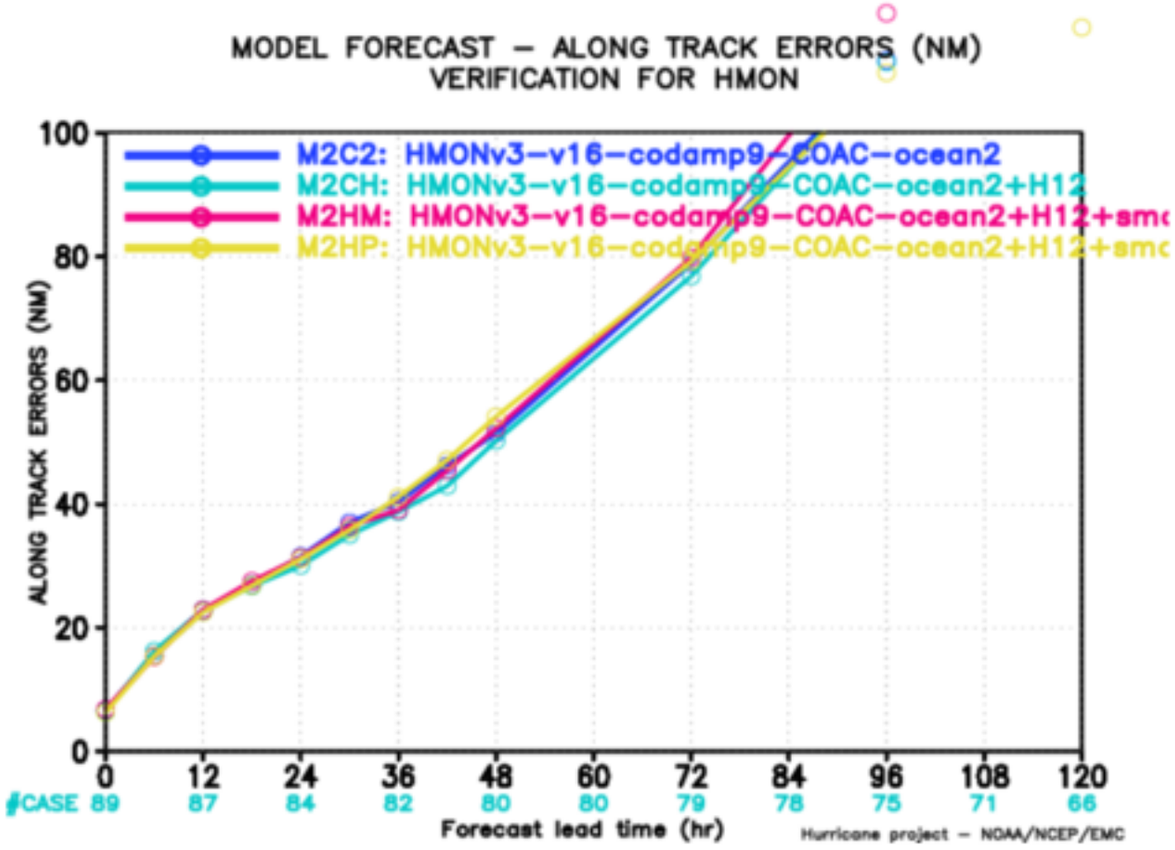


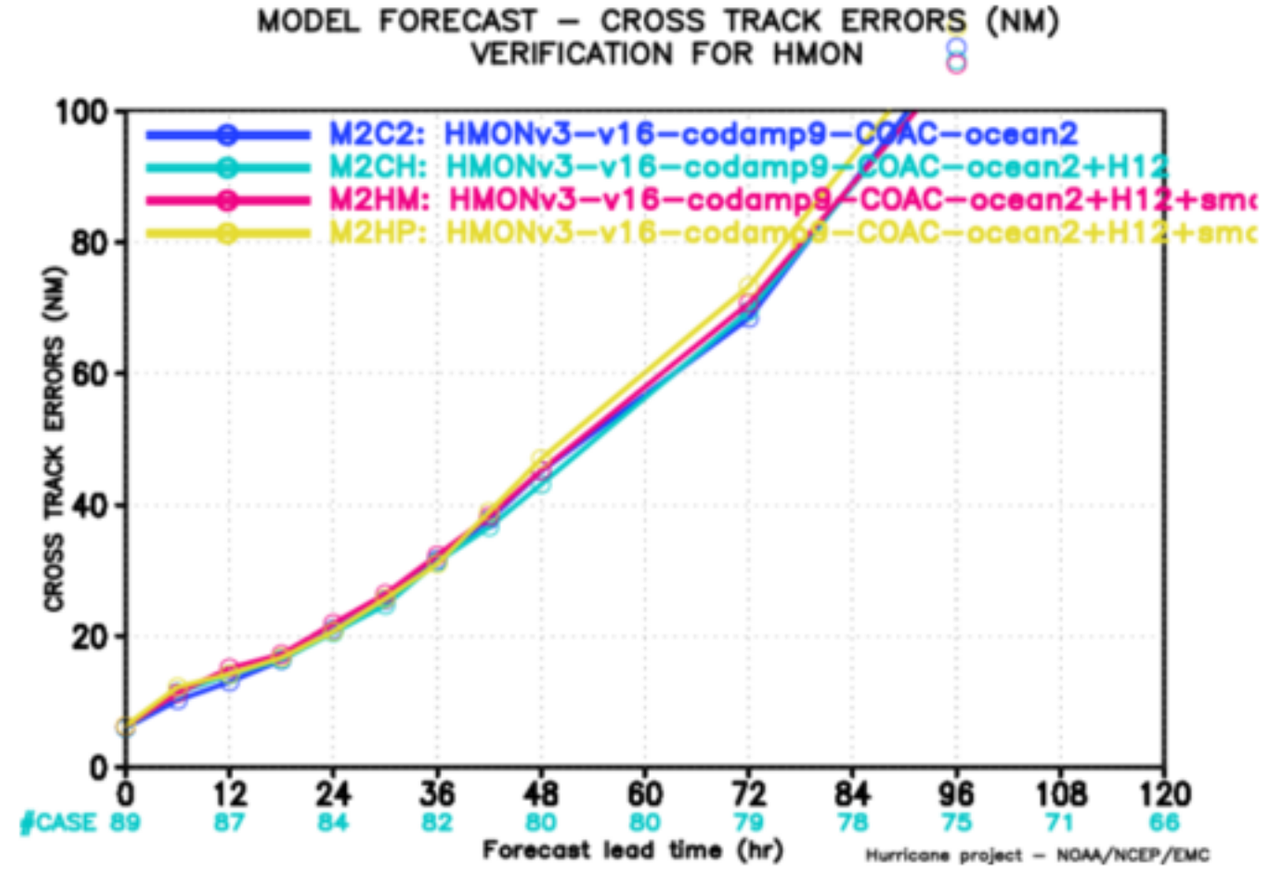

MODEL FORECAST – AVERAGE 34KT RADIUS ERRORS (NM)
VERIFICATION FOR HMON
M2C2: HMONv3–v16–codamp9–COAC–ocean2
M2CH: HMONv3–v16–codamp9–COAC–ocean2+H12
M2HM: HMONv3–v16–codamp9–COAC–ocean2+H12+smc
M2HP: HMONv3–v16–codamp9–COAC–ocean2+H12+smc
AVERAGE 34KT RADIUS ERRORS (NM)
60
40
20
0
–20
0 12 24 36 48 60 72 84 96 108 120
#CASE 63 78 78 80 77 74 66 62 57 50 51
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – AVERAGE 50KT RADIUS ERRORS (NM)
VERIFICATION FOR HMON
M2C2: HMONv3–v16–codamp9–COAC–ocean2
M2CH: HMONv3–v16–codamp9–COAC–ocean2+H12
M2HM: HMONv3–v16–codamp9–COAC–ocean2+H12+smc
M2HP: HMONv3–v16–codamp9–COAC–ocean2+H12+smc
AVERAGE 50KT RADIUS ERRORS (NM)
60
40
20
0
–20
0 12 24 36 48 60 72 84 96 108 120
#CASE 41 41 47 42 44 48 45 41 37 29
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – MINIMUM CENTER PRESSURE ERRORS (hPa)
VERIFICATION FOR HMON
M2C2: HMONv3–v16–codamp9–COAC–ocean2
M2CH: HMONv3–v16–codamp9–COAC–ocean2+H12
M2HM: HMONv3–v16–codamp9–COAC–ocean2+H12+smc
M2HP: HMONv3–v16–codamp9–COAC–ocean2+H12+smc
MINIMUM CENTER PRESSURE ERRORS (hPa)
0 10 20 30 40 50
0 12 24 36 48 60 72 84 96 108 120
#CASE 89 87 84 82 80 80 79 78 75 71 66
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – INTENSITY STANDARD DEVIATION (KT)
VERIFICATION FOR HMON
M2C2: HMONv3–v16–codamp9–COAC–ocean2
M2CH: HMONv3–v16–codamp9–COAC–ocean2+H12
M2HM: HMONv3–v16–codamp9–COAC–ocean2+H12+smc
M2HP: HMONv3–v16–codamp9–COAC–ocean2+H12+smc
INTENSITY STANDARD DEVIATION (KT)
0 10 20 30 40 50
0 12 24 36 48 60 72 84 96 108 120
#CASE 89 87 84 82 80 80 79 78 75 71 66
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – ALONG TRACK ERRORS (NM)
VERIFICATION FOR HMON
M2C2: HMONv3–v16–codamp9–COAC–ocean2
M2CH: HMONv3–v16–codamp9–COAC–ocean2+H12
M2HM: HMONv3–v16–codamp9–COAC–ocean2+H12+smc
M2HP: HMONv3–v16–codamp9–COAC–ocean2+H12+smc
ALONG TRACK ERRORS (NM)
0 20 40 60 80 100
0 12 24 36 48 60 72 84 96 108 120
#CASE 89 87 84 82 80 80 79 78 75 71 66
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – CROSS TRACK ERRORS (NM)
VERIFICATION FOR HMON
M2C2: HMONv3–v16–codamp9–COAC–ocean2
M2CH: HMONv3–v16–codamp9–COAC–ocean2+H12
M2HM: HMONv3–v16–codamp9–COAC–ocean2+H12+smc
M2HP: HMONv3–v16–codamp9–COAC–ocean2+H12+smc
CROSS TRACK ERRORS (NM)
0 20 40 60 80 100
0 12 24 36 48 60 72 84 96 108 120
#CASE 89 87 84 82 80 80 79 78 75 71 66
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC