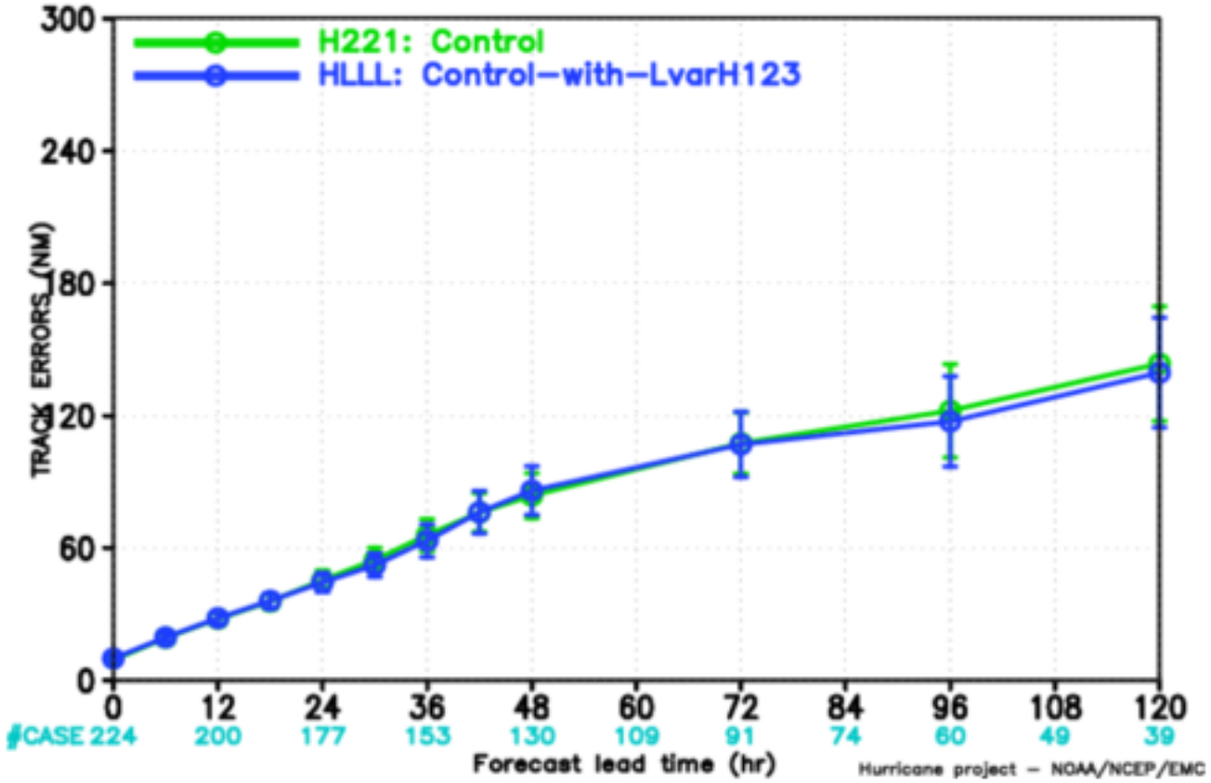
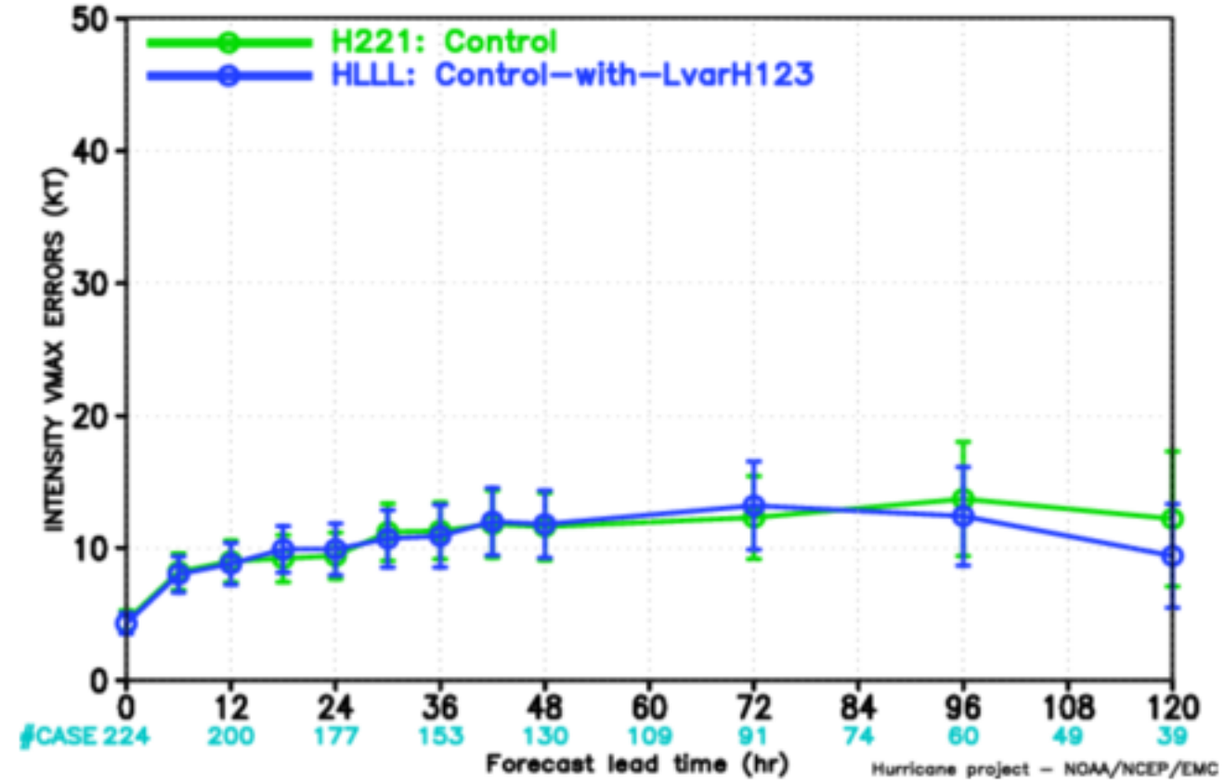
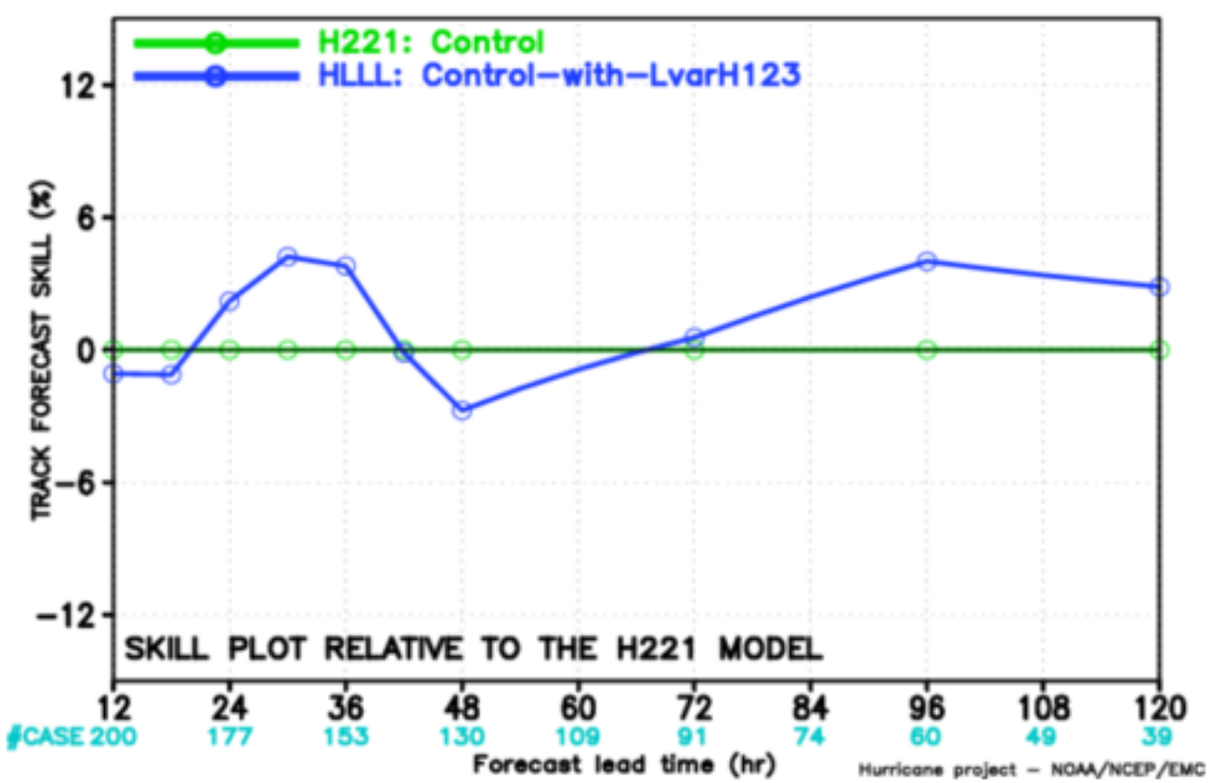
MODEL FORECAST – TRACK ERRORS (NM)
VERIFICATION FOR HWRF



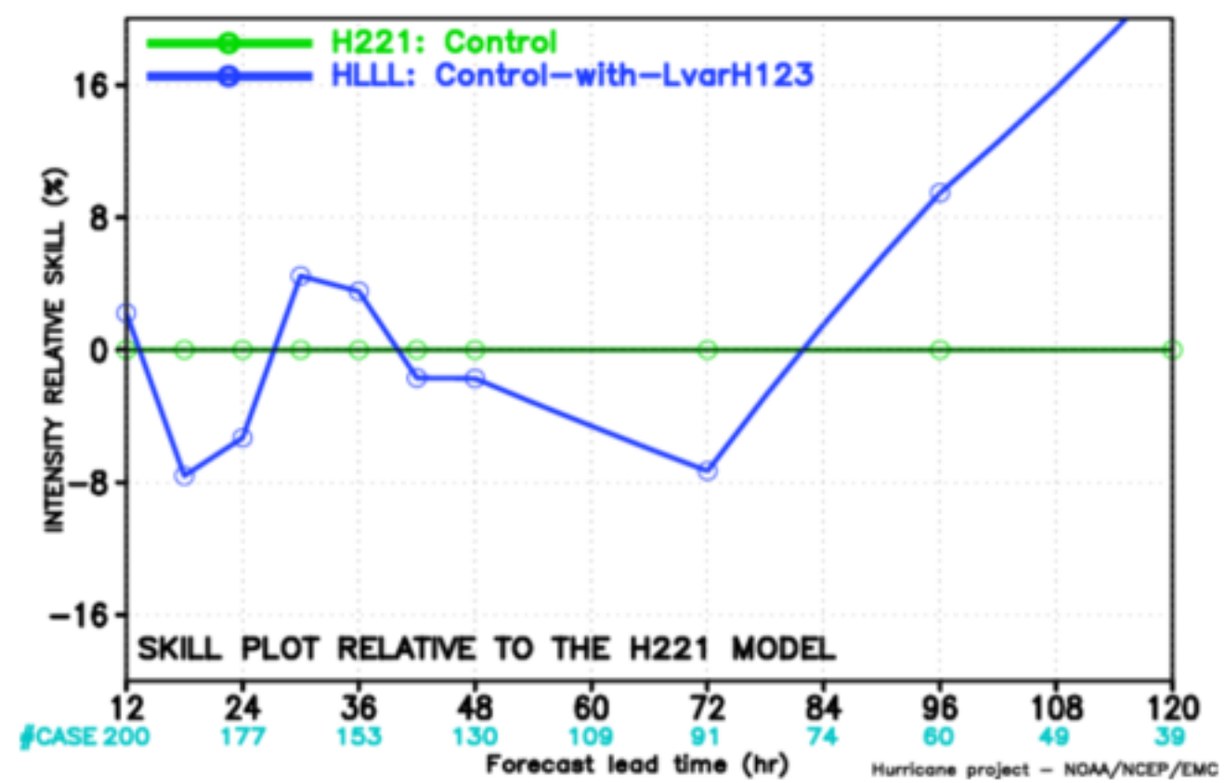
MODEL FORECAST – INTENSITY VMAX ERRORS (KT)
VERIFICATION FOR HWRF



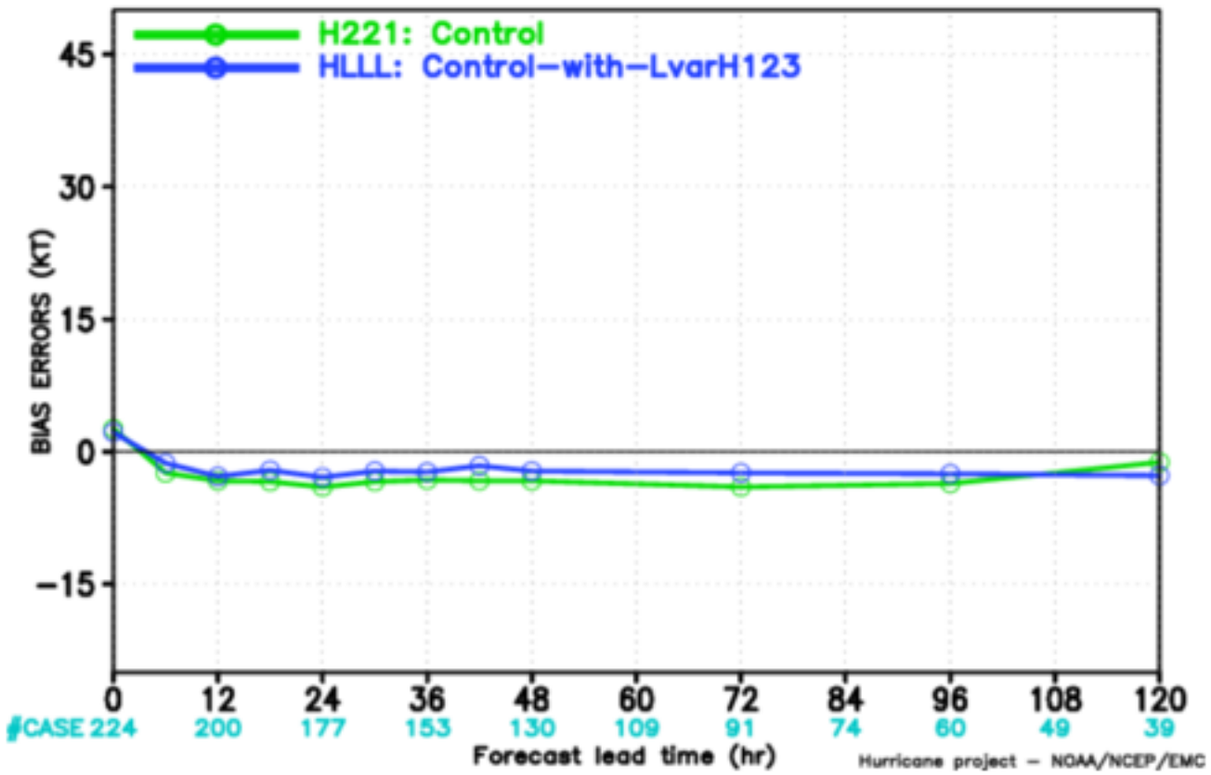
MODEL FORECAST – TRACK FORECAST SKILL (%) STATISTICS
VERIFICATION FOR HWRF



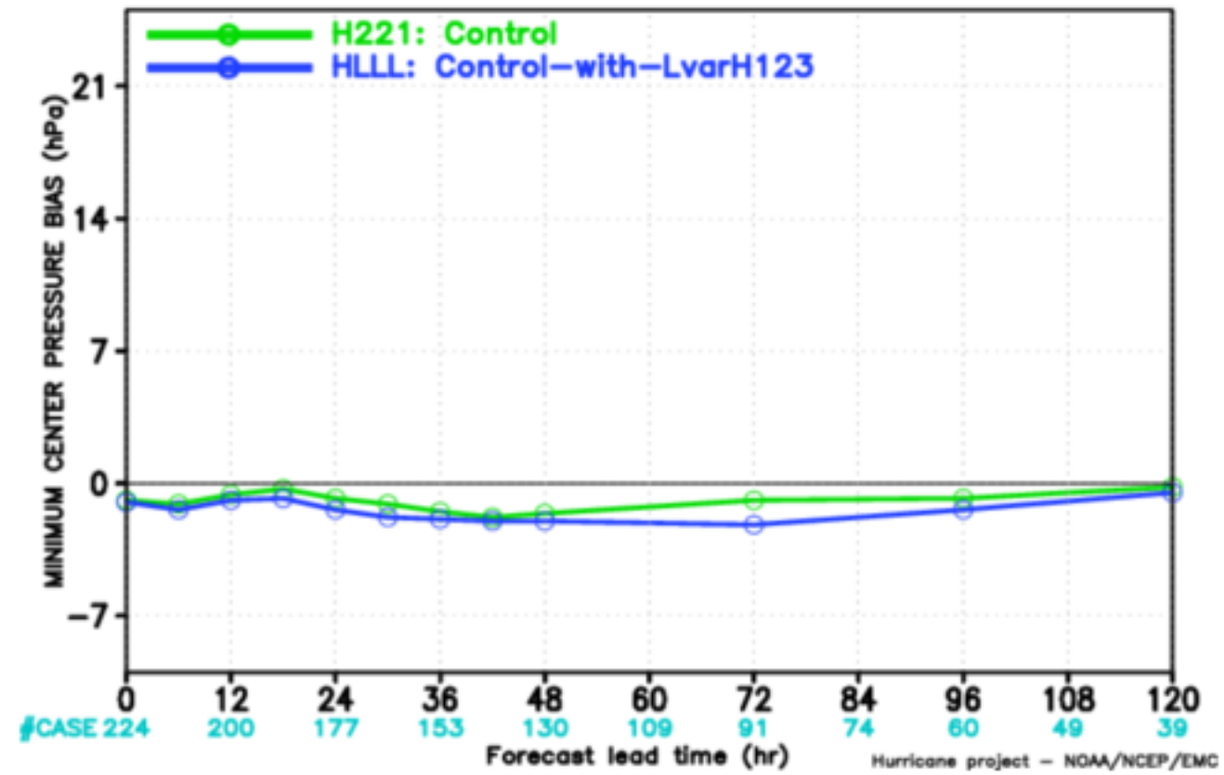
MODEL FORECAST – INTENSITY RELATIVE SKILL (%) STATISTICS
VERIFICATION FOR HWRF



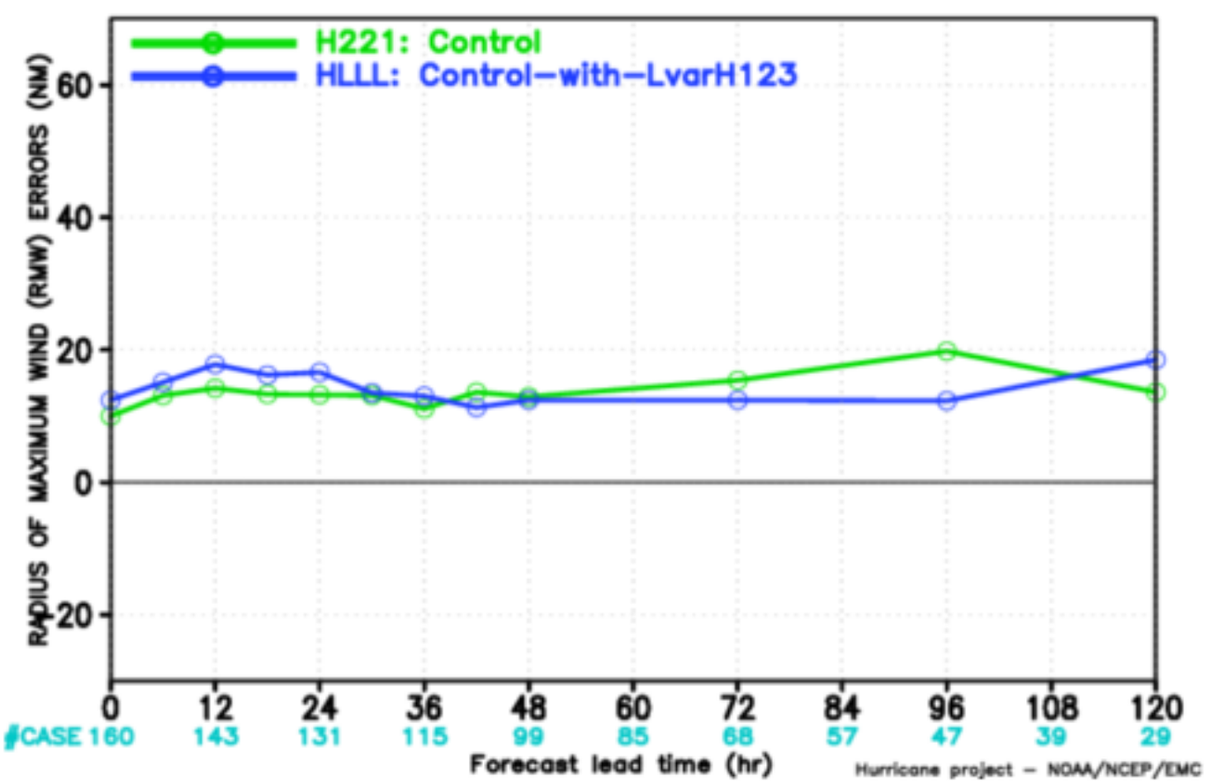
MODEL FORECAST – BIAS ERRORS (KT)
VERIFICATION FOR HWRF



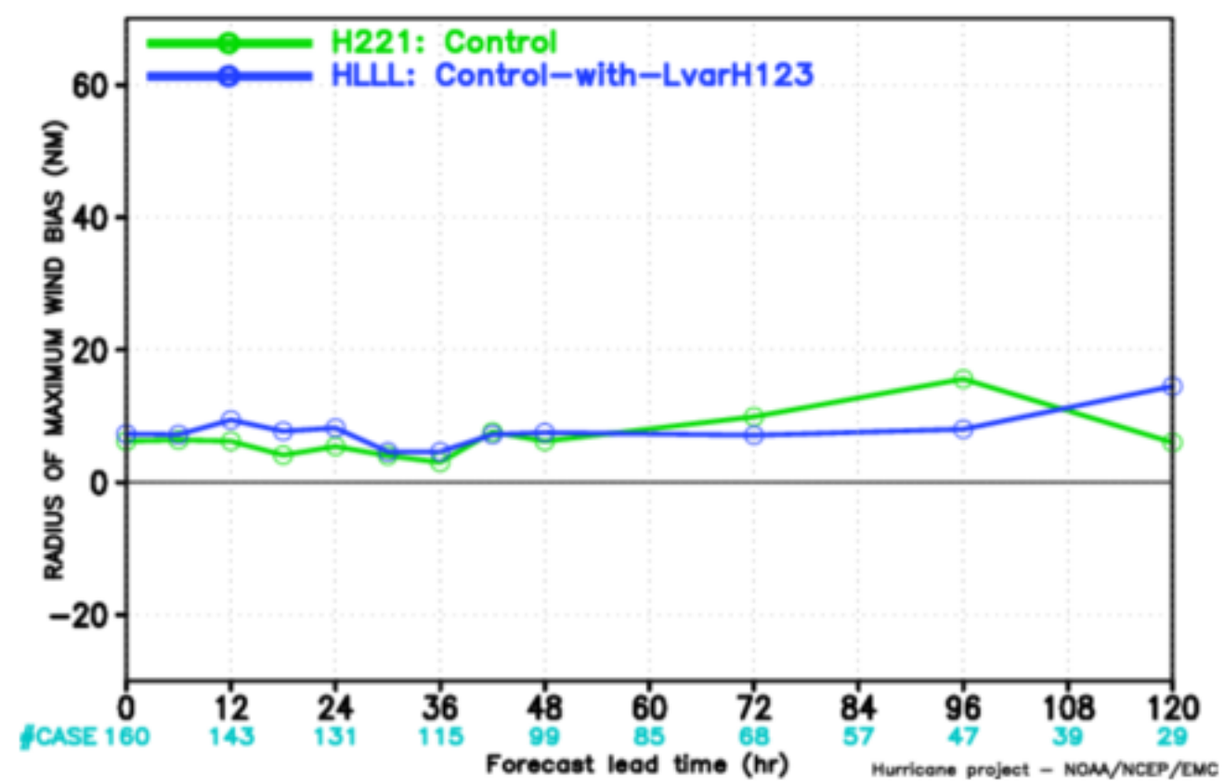
MODEL FORECAST – MINIMUM CENTER PRESSURE BIAS (hPa)
VERIFICATION FOR HWRF

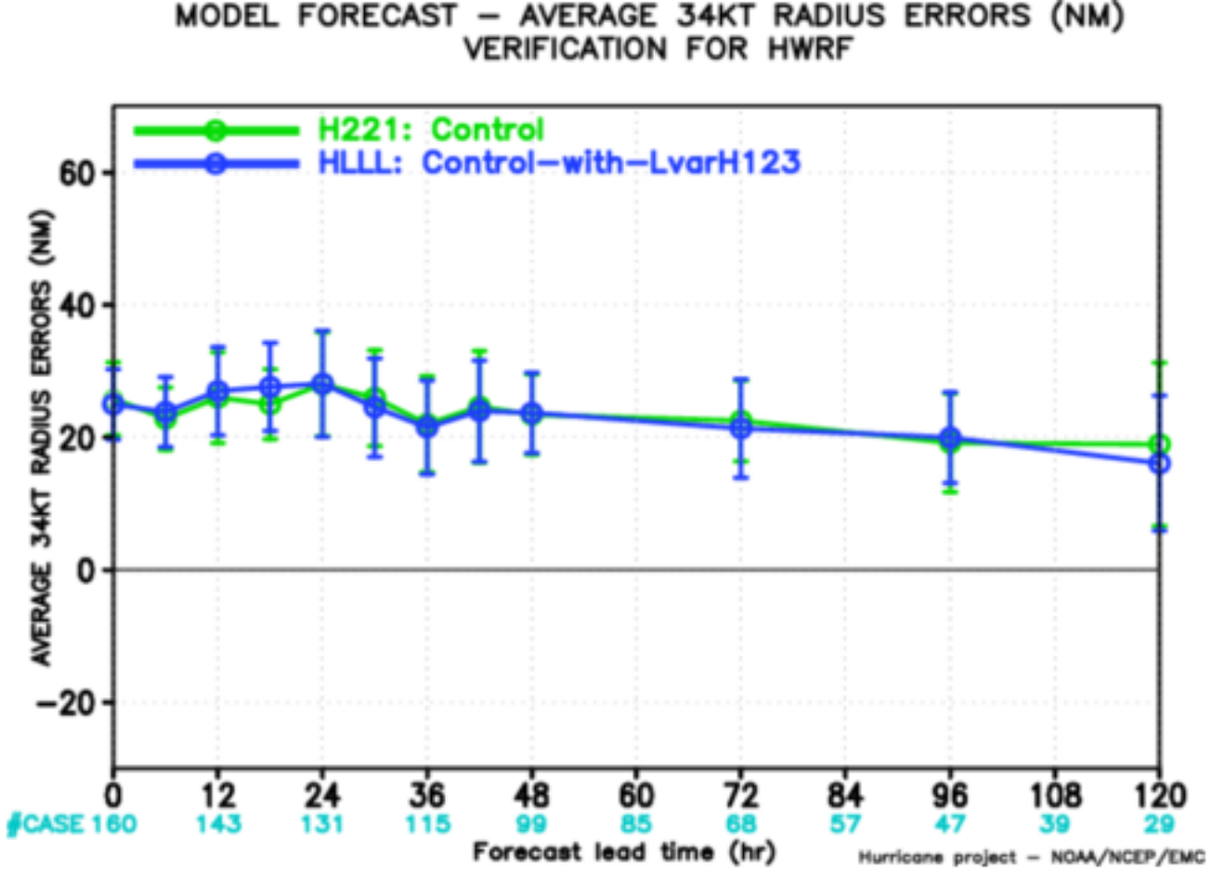


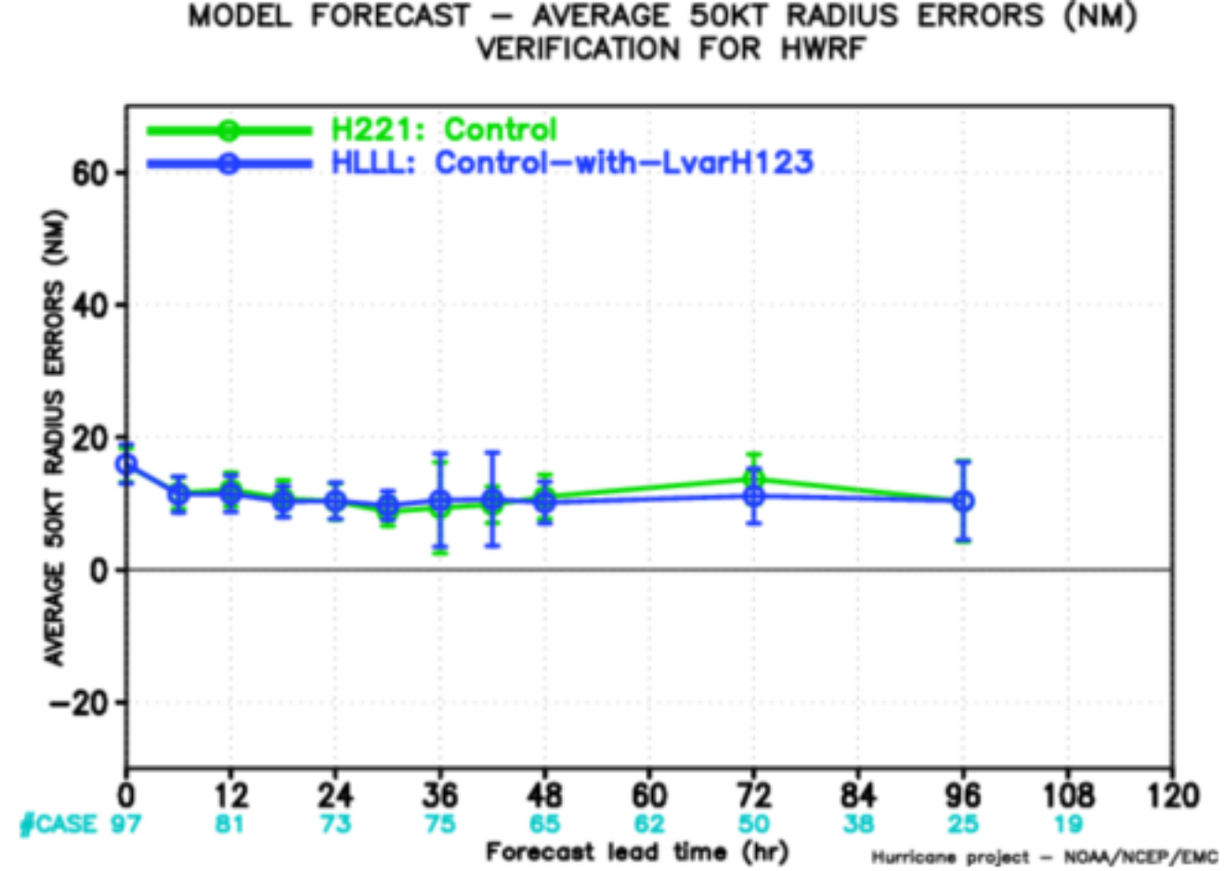
MODEL FORECAST – RADIUS OF MAXIMUM WIND (RMW) ERRORS (NM)
VERIFICATION FOR HWRF



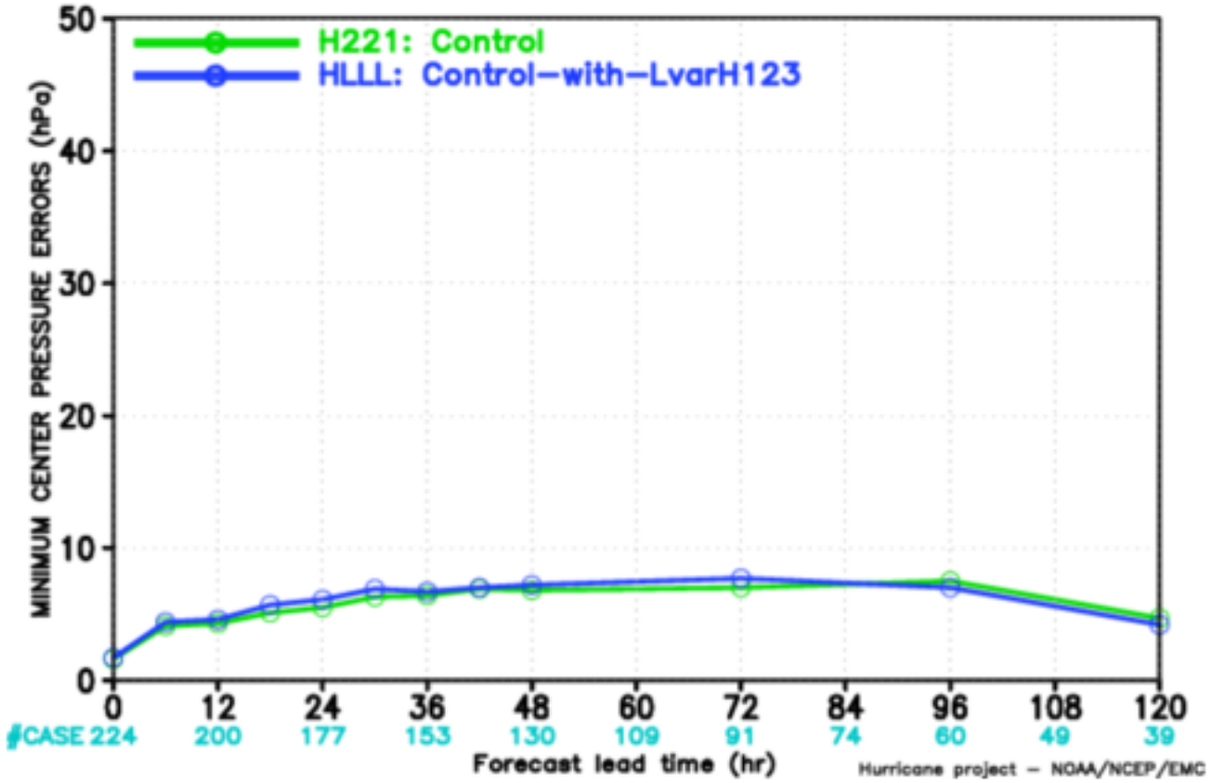
MODEL FORECAST – RADIUS OF MAXIMUM WIND BIAS (NM)
VERIFICATION FOR HWRF



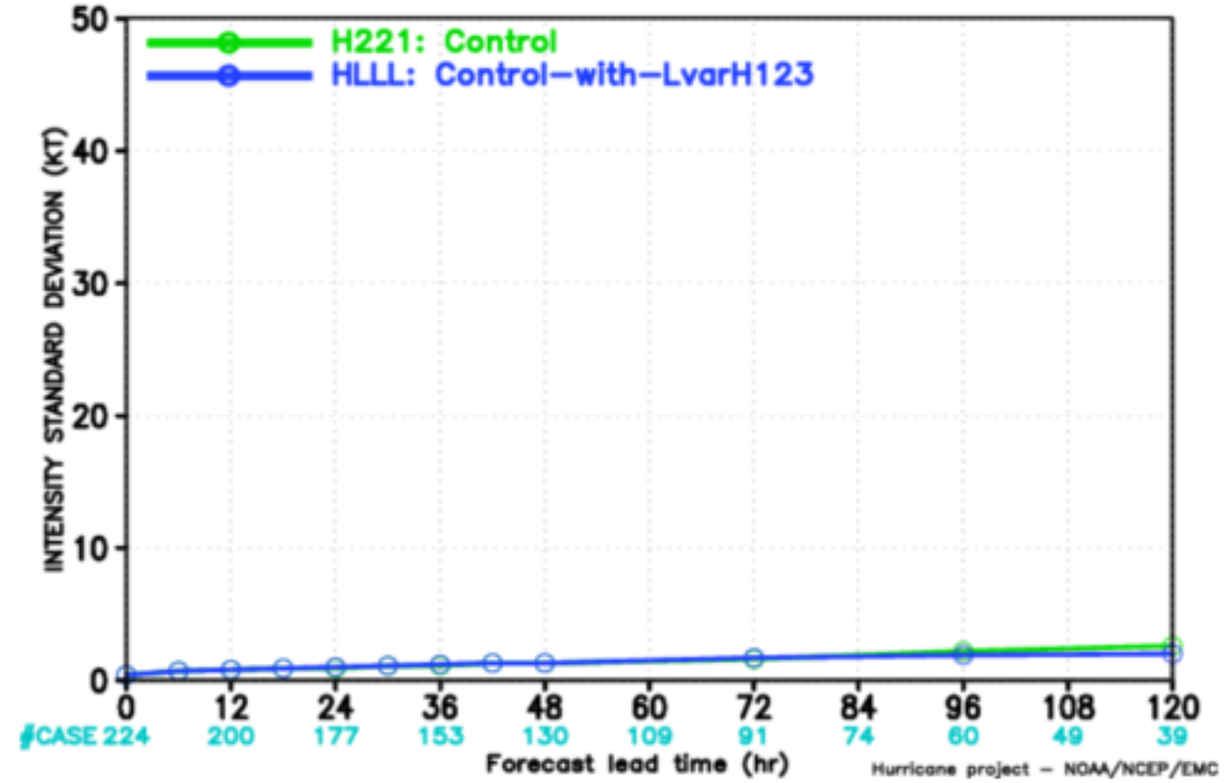

MODEL FORECAST – AVERAGE 34KT RADIUS ERRORS (NM)
VERIFICATION FOR HWRF
H221: Control
HLLL: Control–with–LvarH123
AVERAGE 34KT RADIUS ERRORS (NM)
60
40
20
0
−20
0 12 24 36 48 60 72 84 96 108 120
#CASE 160 143 131 115 99 85 68 57 47 39 29
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – AVERAGE 50KT RADIUS ERRORS (NM)
VERIFICATION FOR HWRF
H221: Control
HLLL: Control–with–LvarH123
AVERAGE 50KT RADIUS ERRORS (NM)
60
40
20
0
−20
0 12 24 36 48 60 72 84 96 108 120
#CASE 97 81 73 75 65 62 50 38 25 19
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC

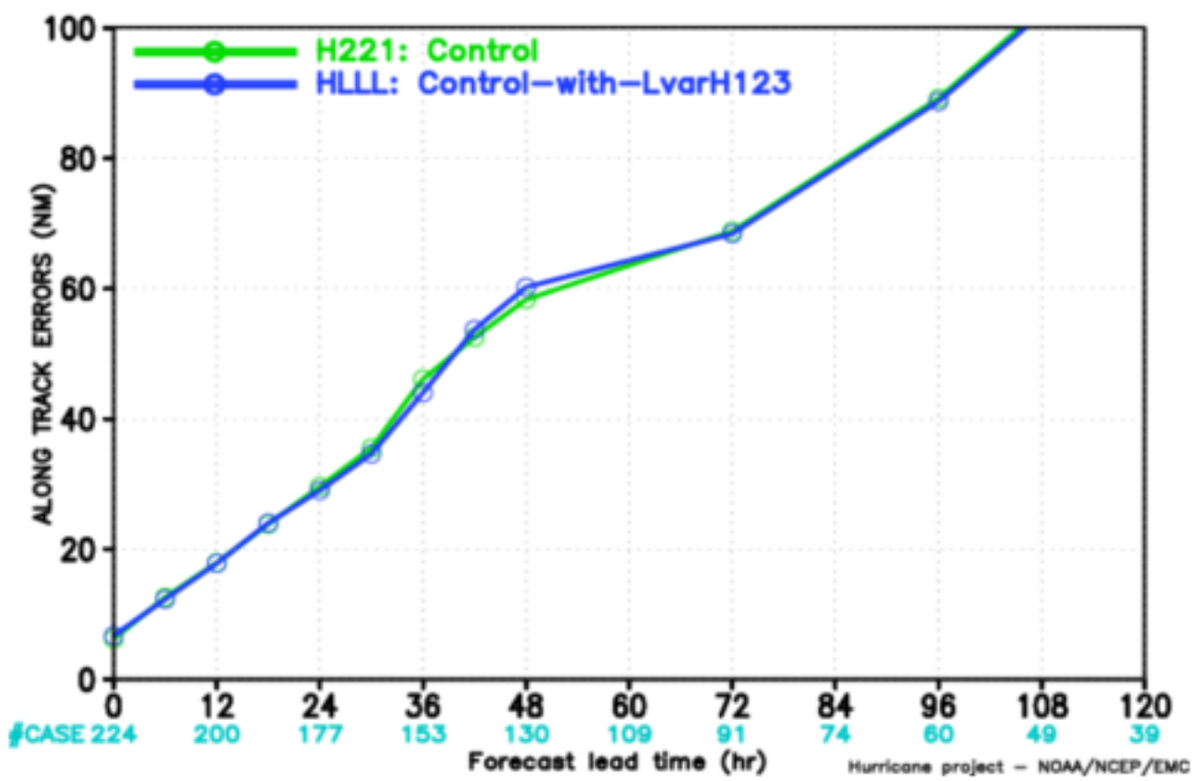
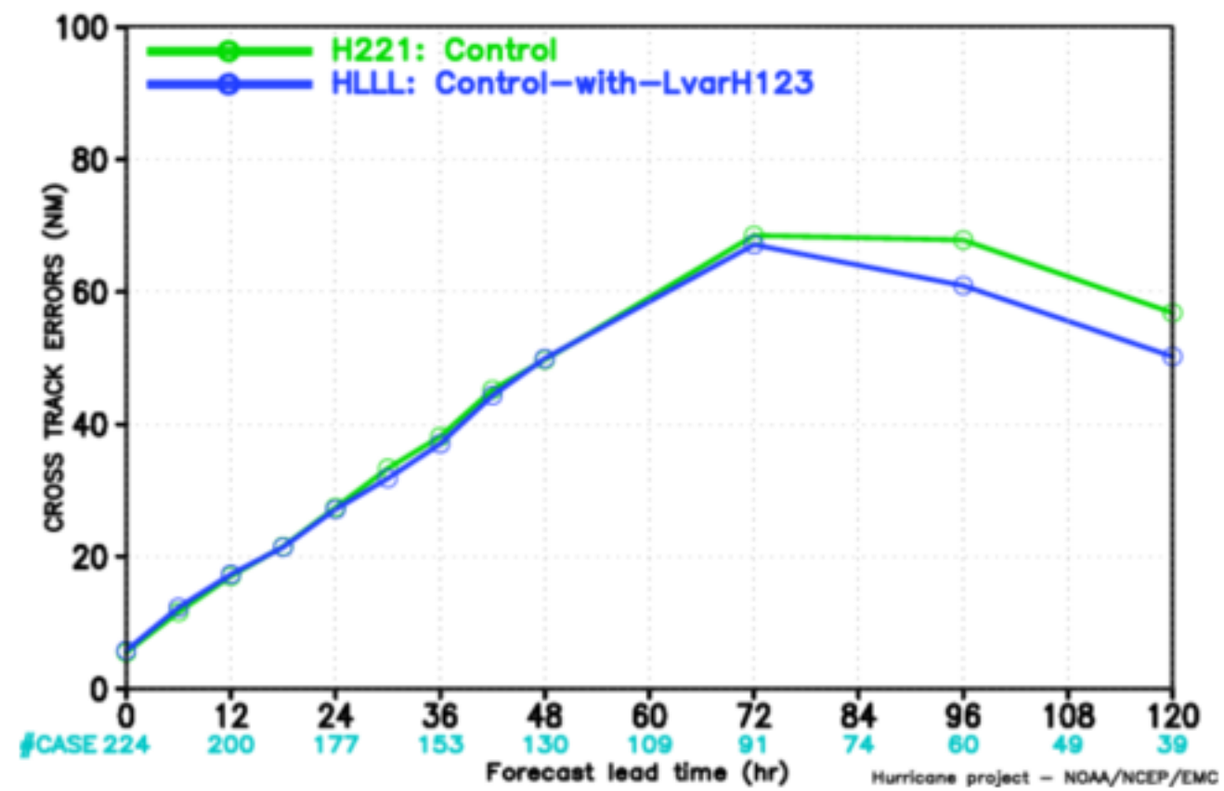
MODEL FORECAST – MINIMUM CENTER PRESSURE ERRORS (hPa)
VERIFICATION FOR HWRF



MODEL FORECAST – INTENSITY STANDARD DEVIATION (KT)
VERIFICATION FOR HWRF



MODEL FORECAST – ALONG TRACK ERRORS (NM)
VERIFICATION FOR HWRF



MODEL FORECAST – CROSS TRACK ERRORS (NM)
VERIFICATION FOR HWRF