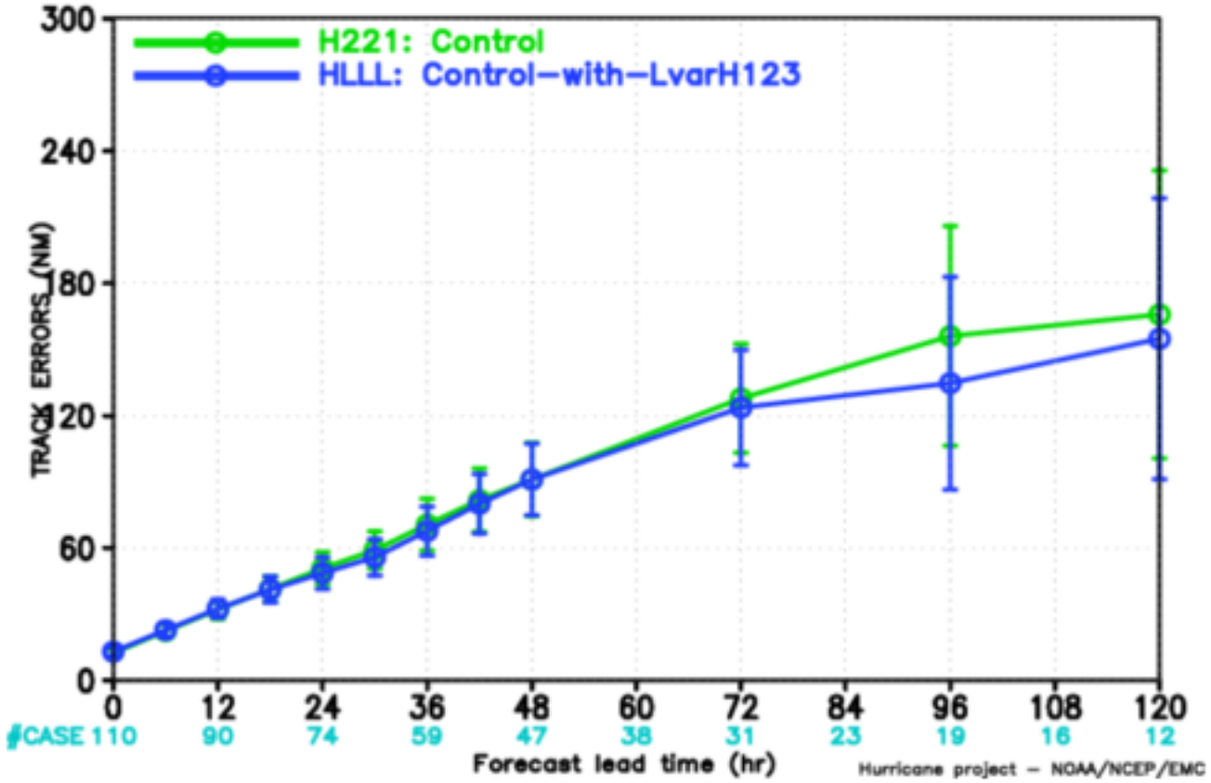
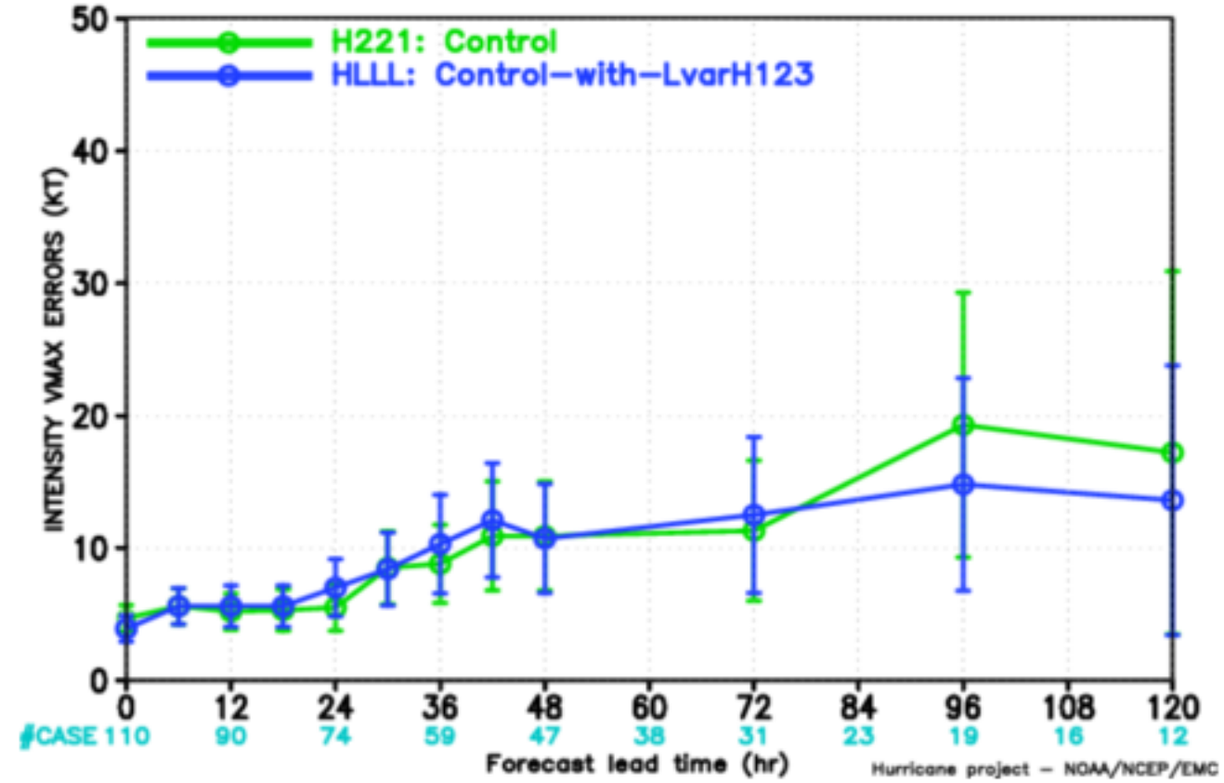
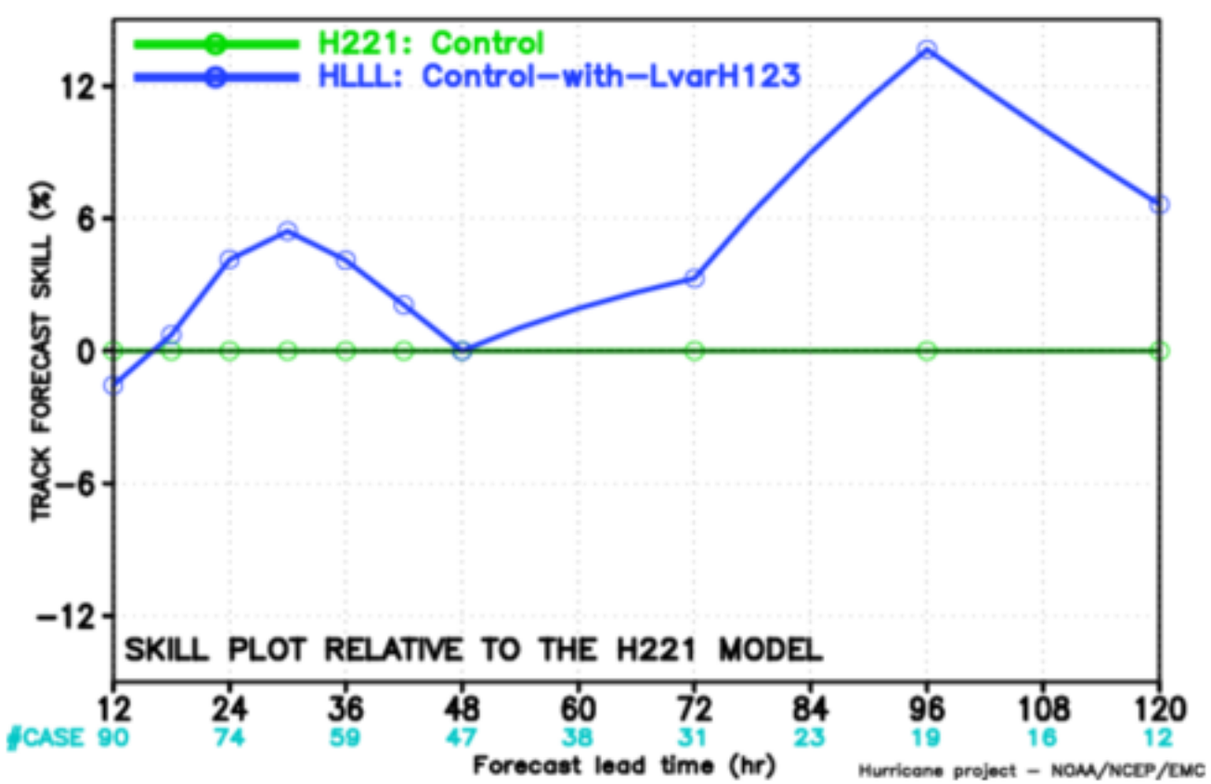
MODEL FORECAST – TRACK ERRORS (NM)
VERIFICATION FOR HWRF – WEAK STORMS



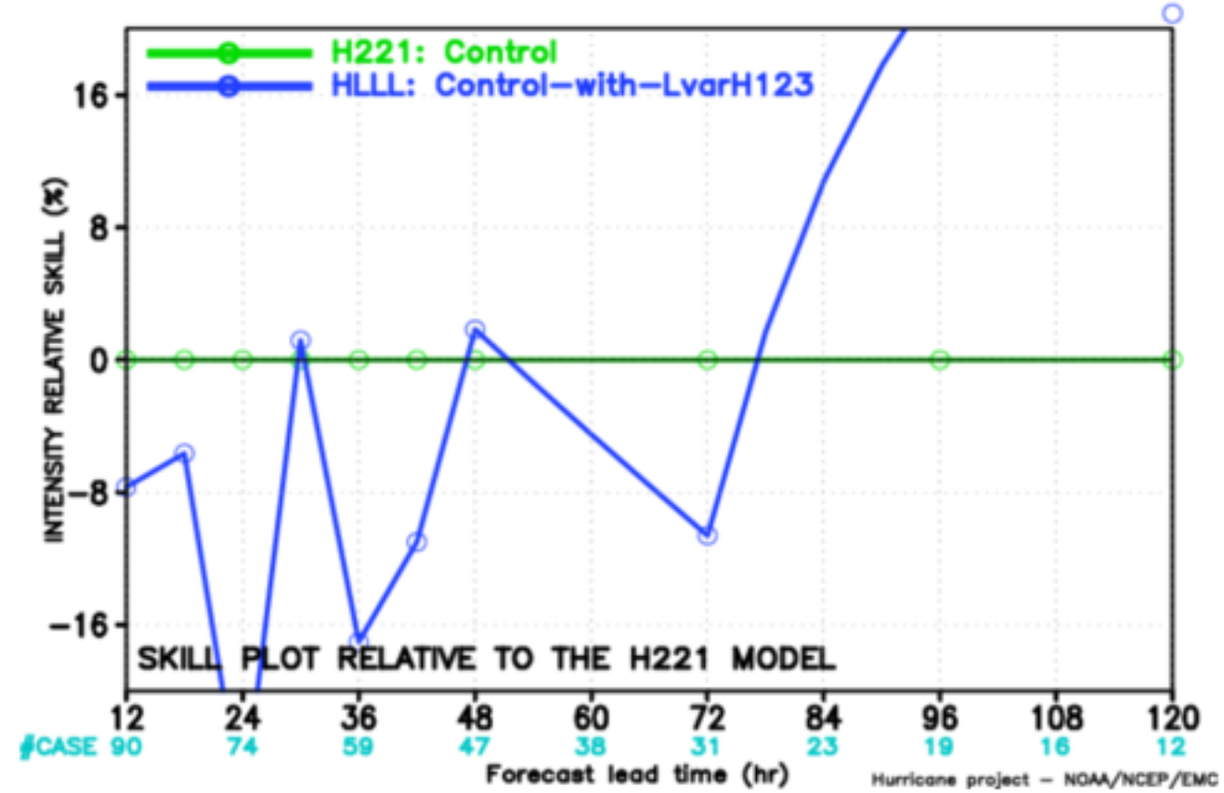
MODEL FORECAST – INTENSITY VMAX ERRORS (KT)
VERIFICATION FOR HWRF – WEAK STORMS



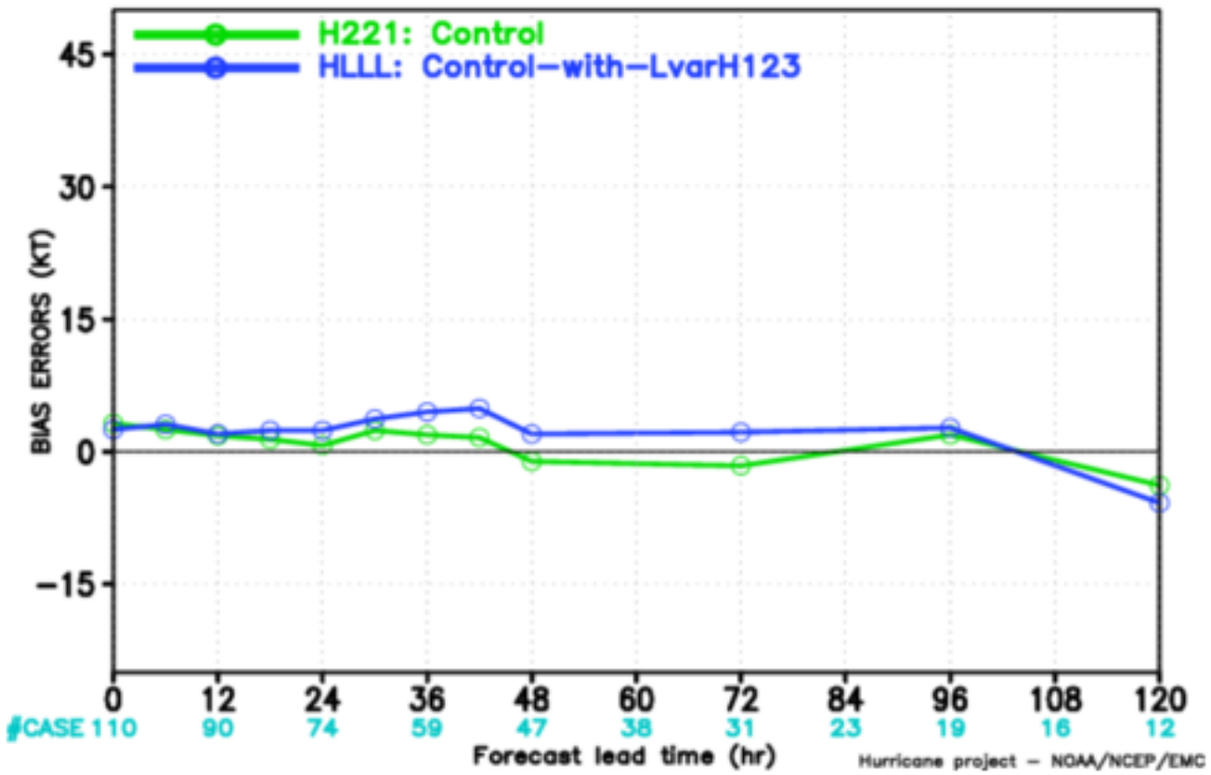
MODEL FORECAST – TRACK FORECAST SKILL (%) STATISTICS
VERIFICATION FOR HWRF – WEAK STORMS



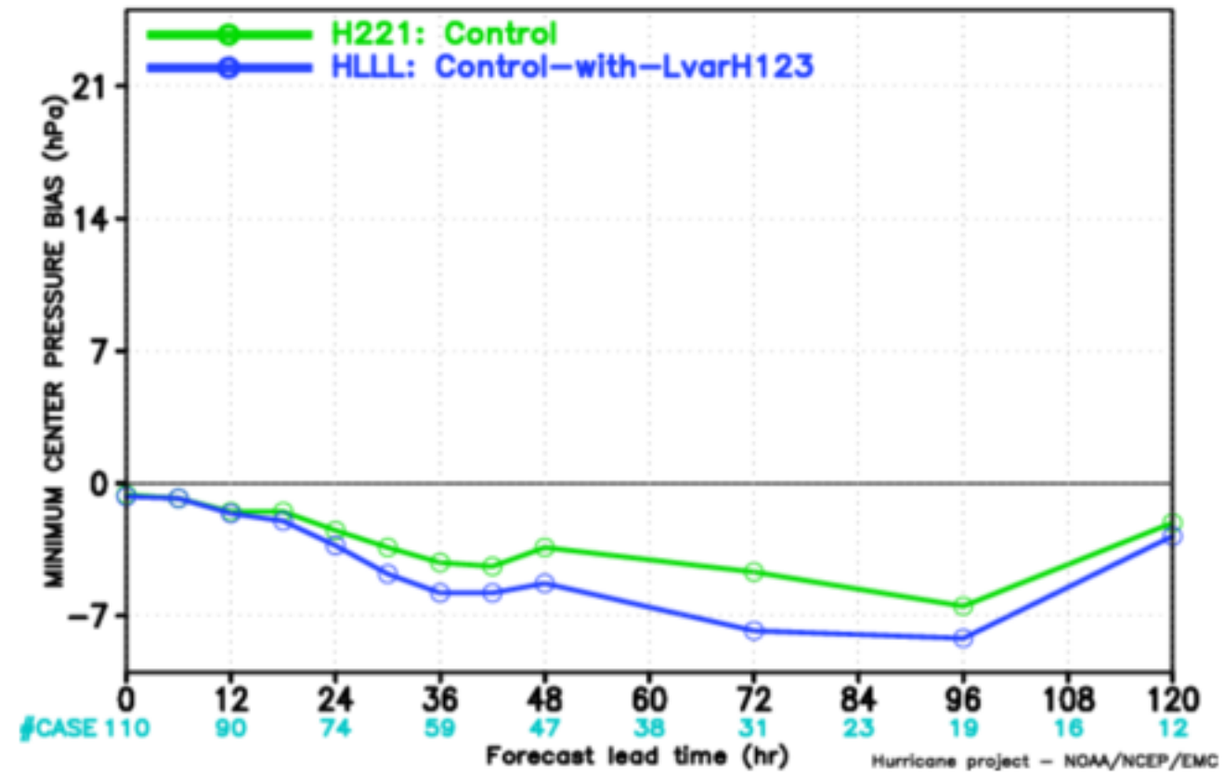
MODEL FORECAST – INTENSITY RELATIVE SKILL (%) STATISTICS
VERIFICATION FOR HWRF – WEAK STORMS



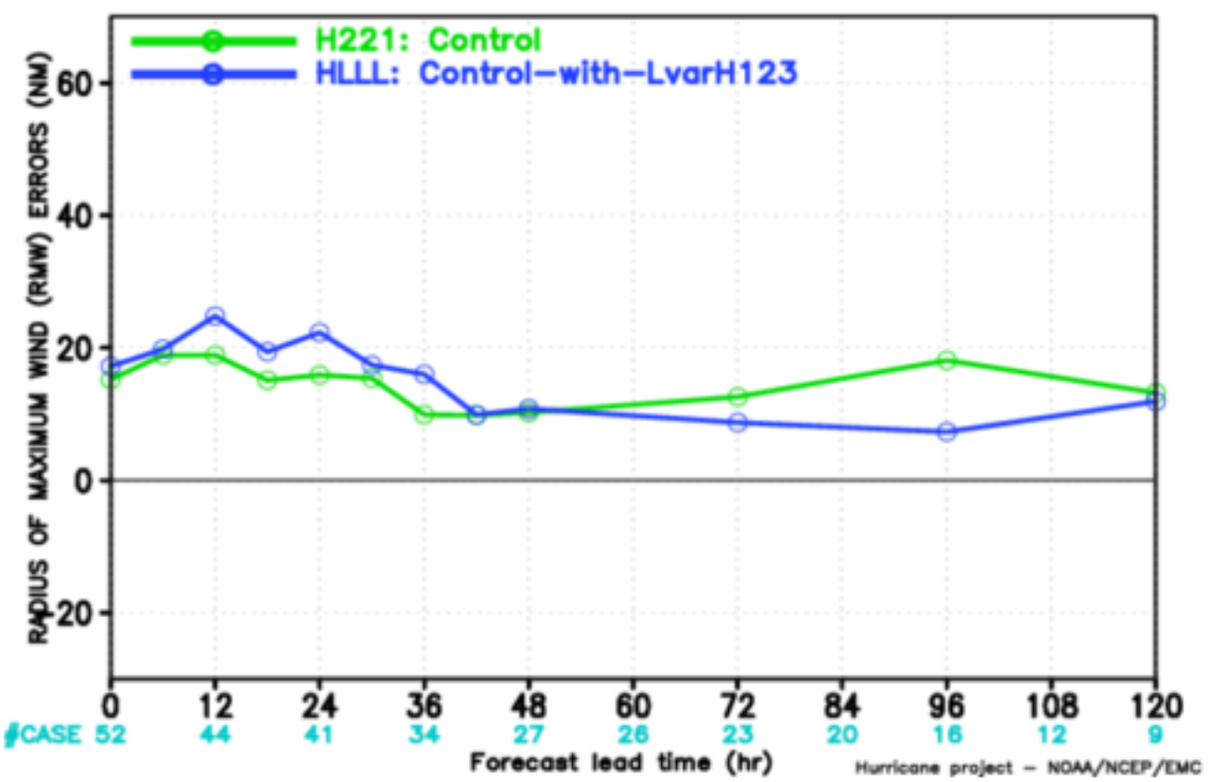
MODEL FORECAST – BIAS ERRORS (KT)
VERIFICATION FOR HWRF – WEAK STORMS



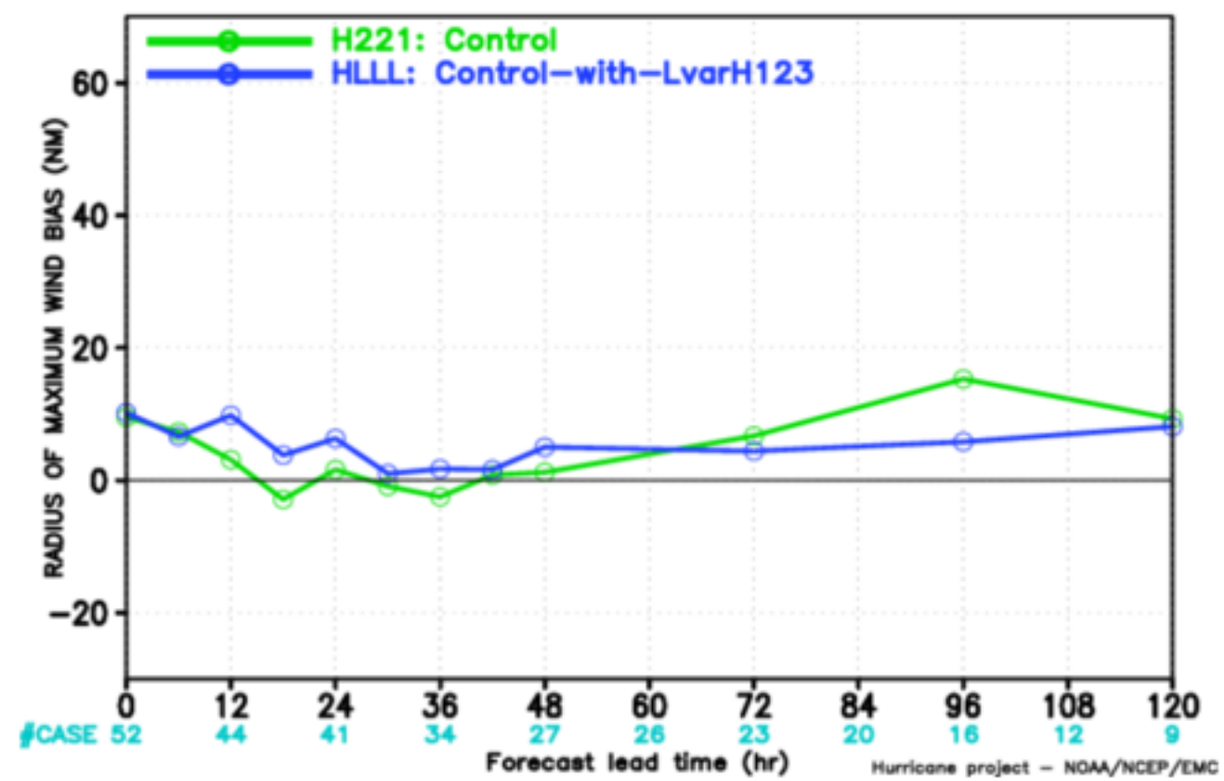
MODEL FORECAST – MINIMUM CENTER PRESSURE BIAS (hPa)
VERIFICATION FOR HWRF – WEAK STORMS

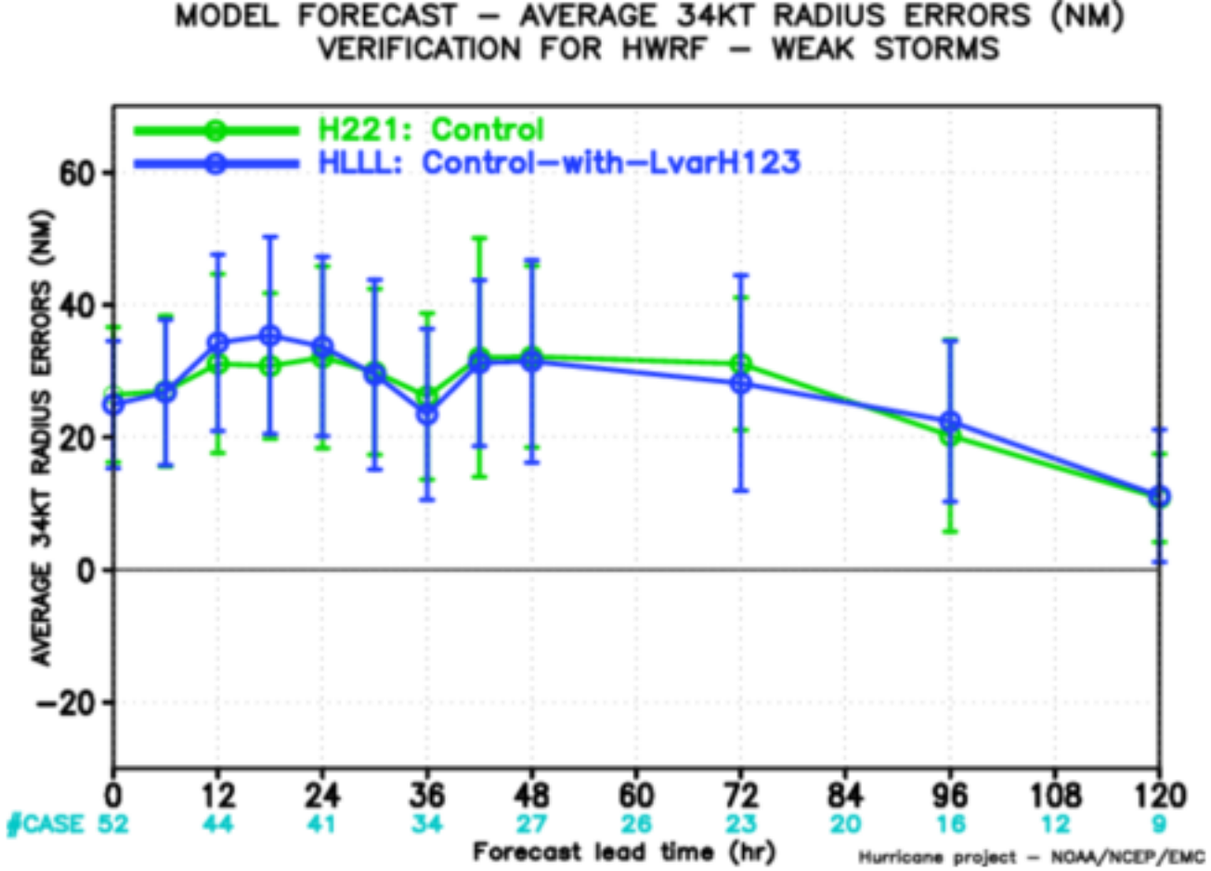


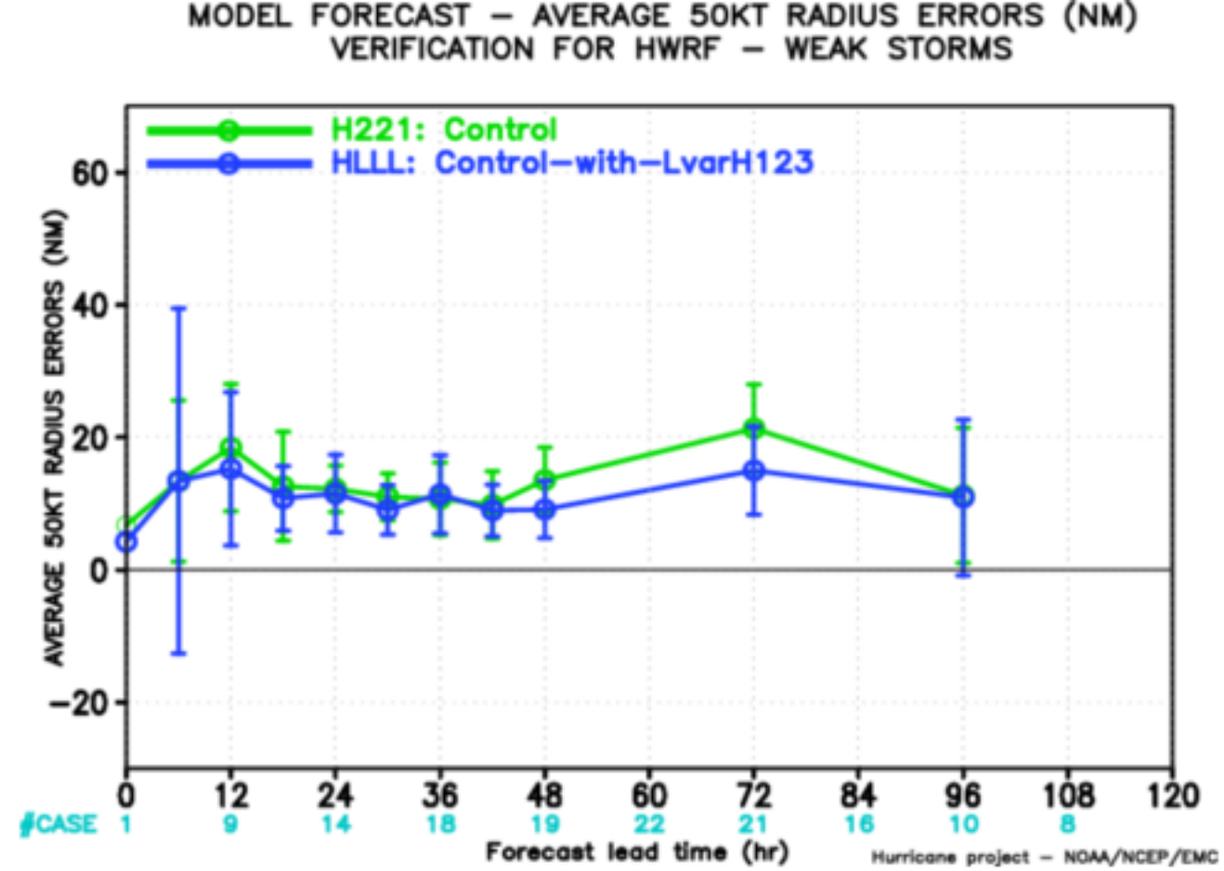
MODEL FORECAST – RADIUS OF MAXIMUM WIND (RMW) ERRORS (NM)
VERIFICATION FOR HWRF – WEAK STORMS



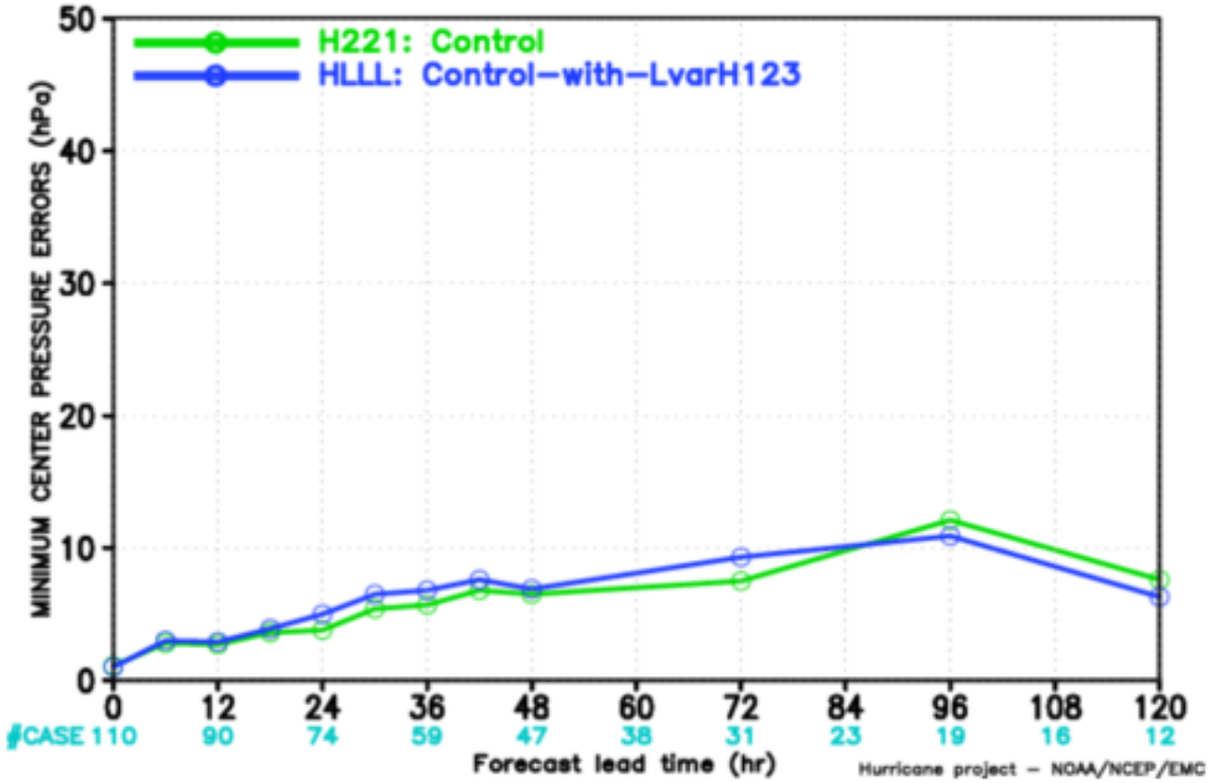
MODEL FORECAST – RADIUS OF MAXIMUM WIND BIAS (NM)
VERIFICATION FOR HWRF – WEAK STORMS



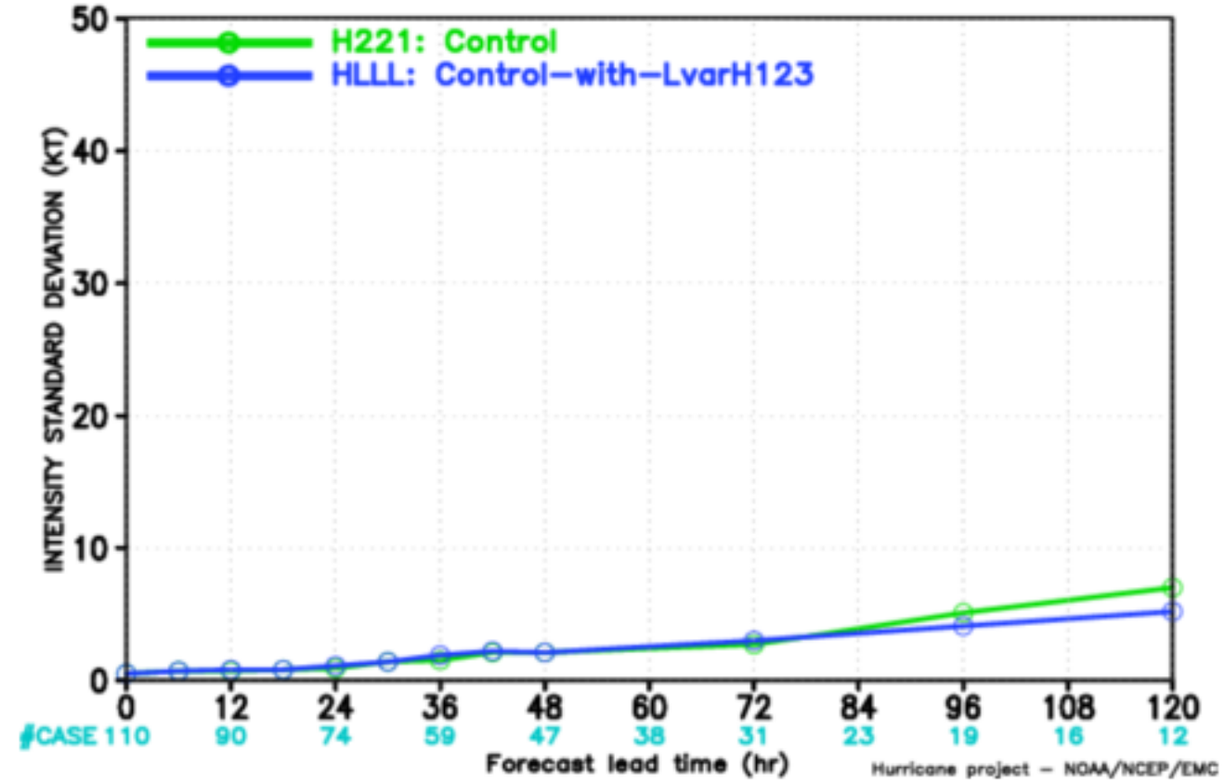

MODEL FORECAST – AVERAGE 34KT RADIUS ERRORS (NM)
VERIFICATION FOR HWRF – WEAK STORMS
H221: Control
HLLL: Control–with–LvarH123
AVERAGE 34KT RADIUS ERRORS (NM)
60
40
20
0
−20
0 12 24 36 48 60 72 84 96 108 120
#CASE 52 44 41 34 27 26 23 20 16 12 9
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC


MODEL FORECAST – AVERAGE 50KT RADIUS ERRORS (NM)
VERIFICATION FOR HWRF – WEAK STORMS
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 1 9 14 18 19 22 21 16 10 8
Forecast lead time (hr)
Hurricane project – NOAA/NCEP/EMC

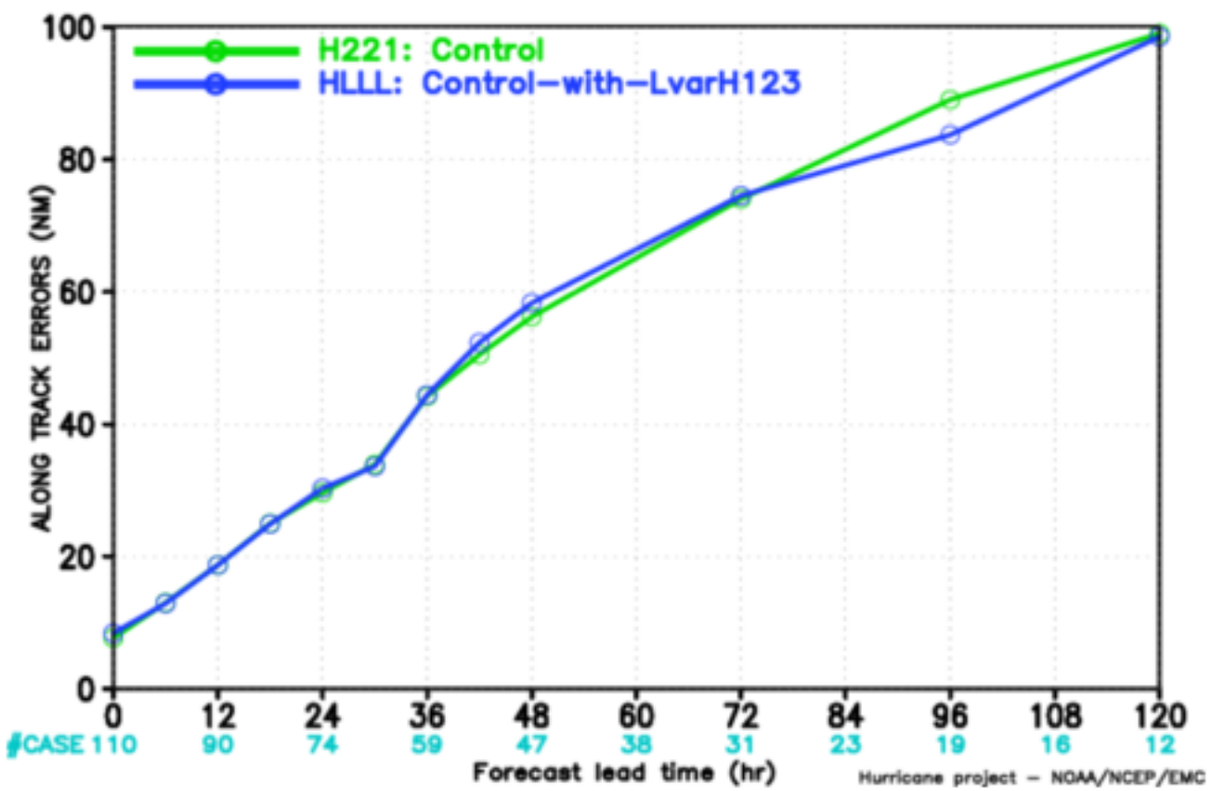
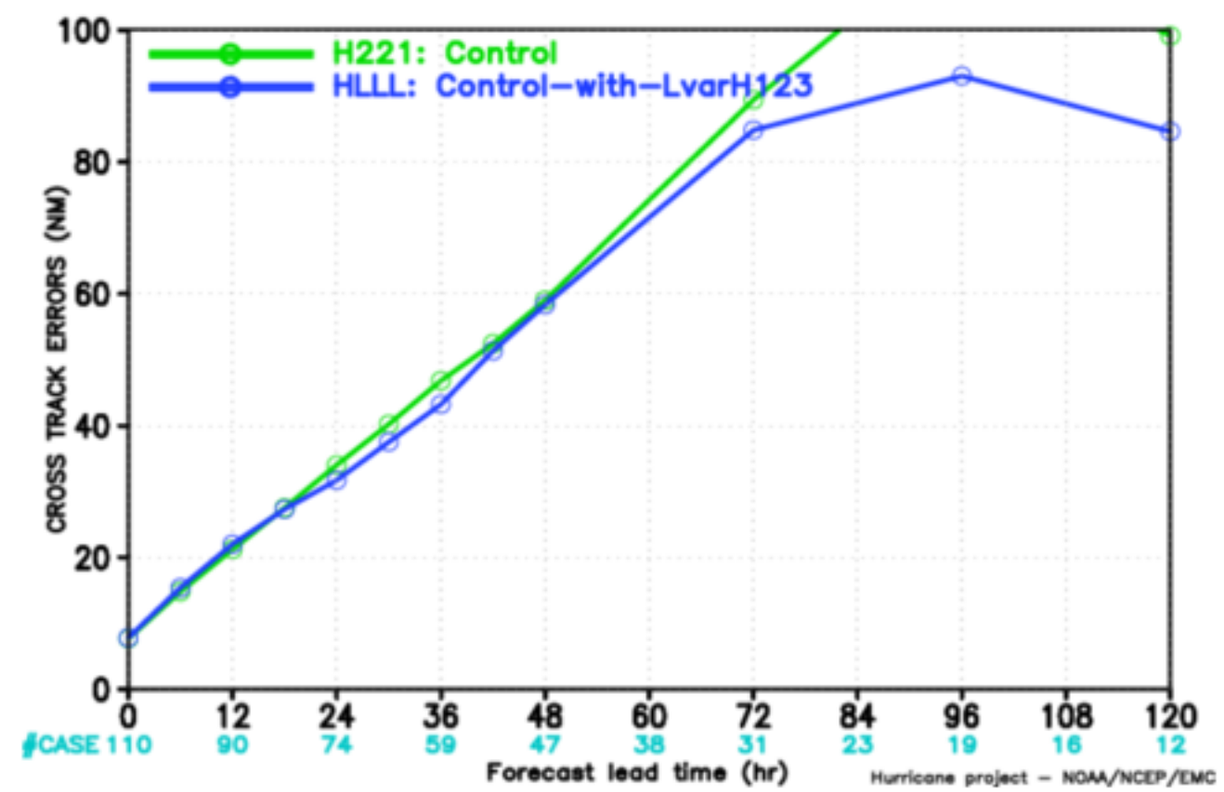
MODEL FORECAST – MINIMUM CENTER PRESSURE ERRORS (hPa)
VERIFICATION FOR HWRF – WEAK STORMS



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



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



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