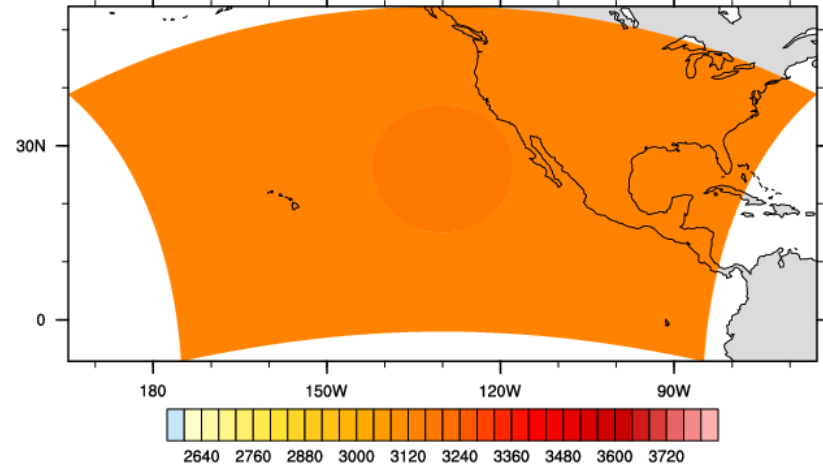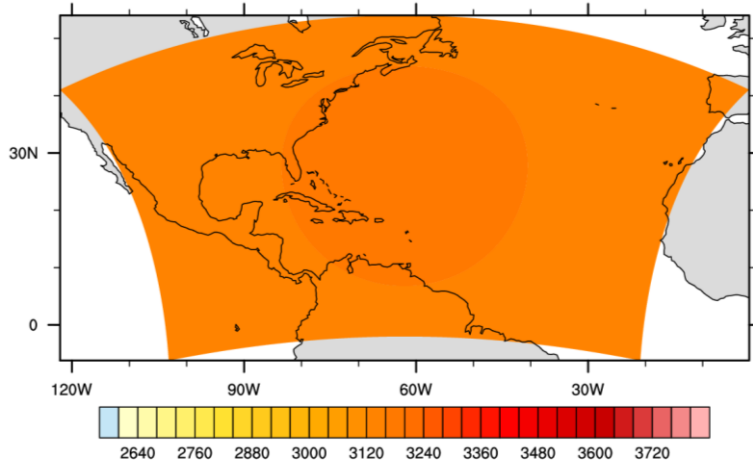# HAFS v0.1J: HAFS-LAM on Extended Schmidt Gnomonic (ESG) grids

Horizontal resolution
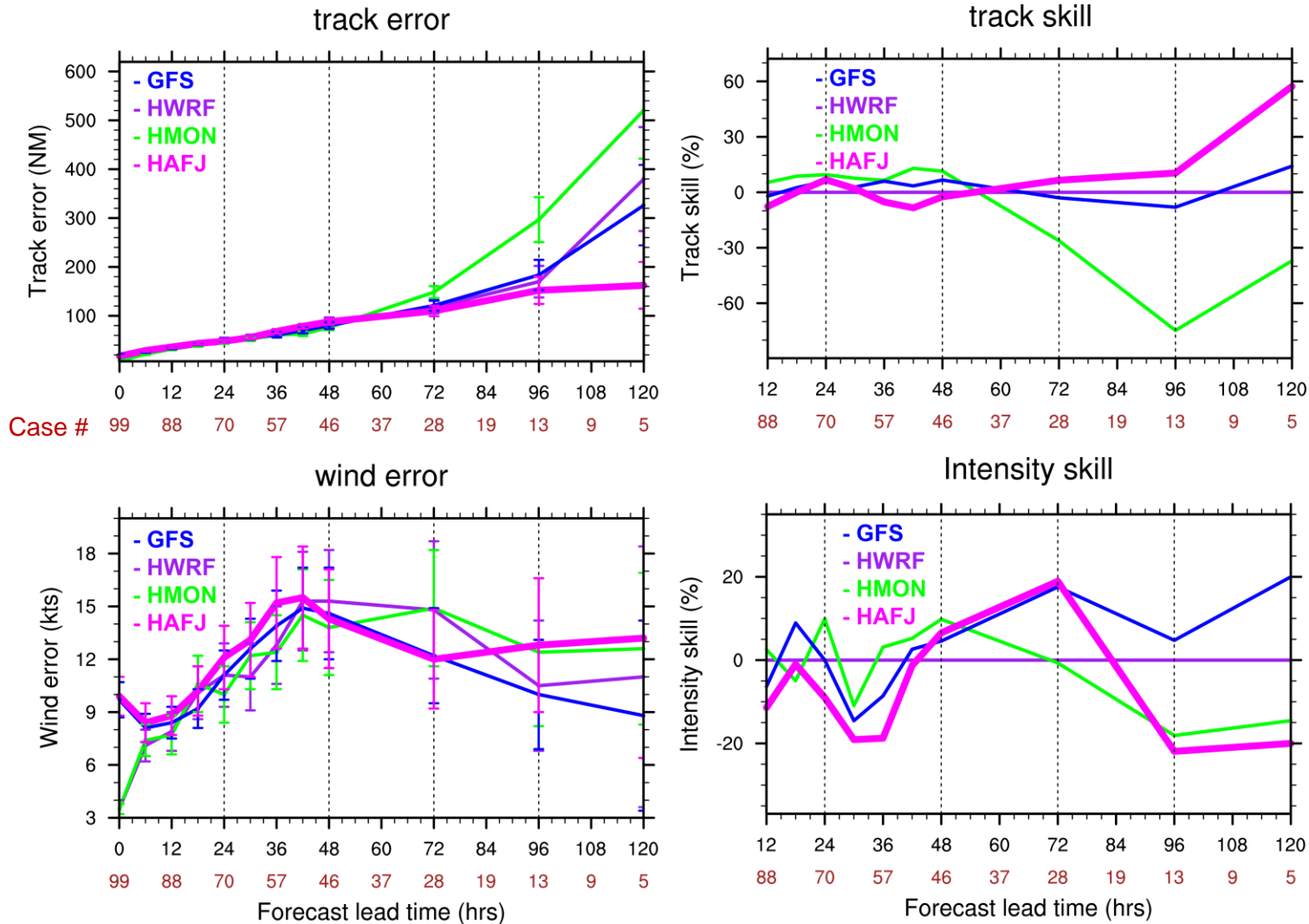

- North Atlantic on Jet; eastern and western Pacific on Orion; real-time started on 07/22

	HAFA	**HAFB**	**HAFJ**
Grid	GFDL (3km)	GFDL (3km)	ESG (3km)
LAM/global-nest	LAM	Global-nest	LAM
Vertical levels	L91	L75	L64
Ocean coupling	Yes	No	No
Fcst length	126 hrs	168 hrs	168 hrs
Computing resrc	169 nodes	174 nodes	88 nodes

https://www.emc.ncep.noaa.gov/HAFS/HAFJ/
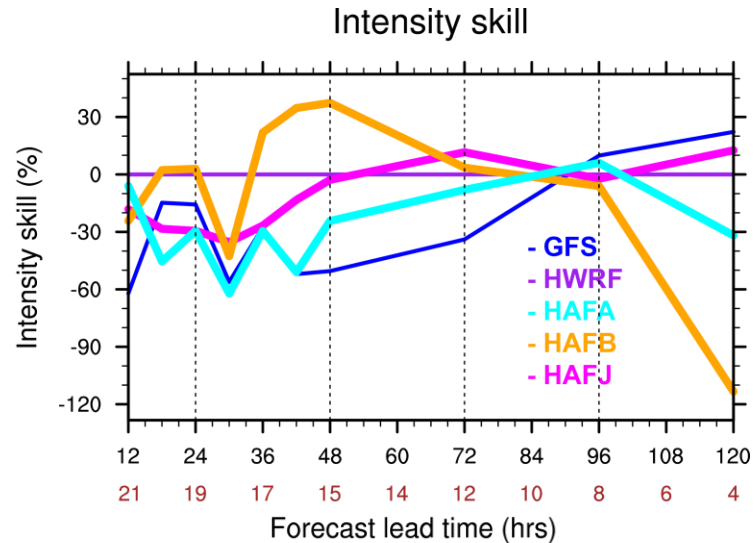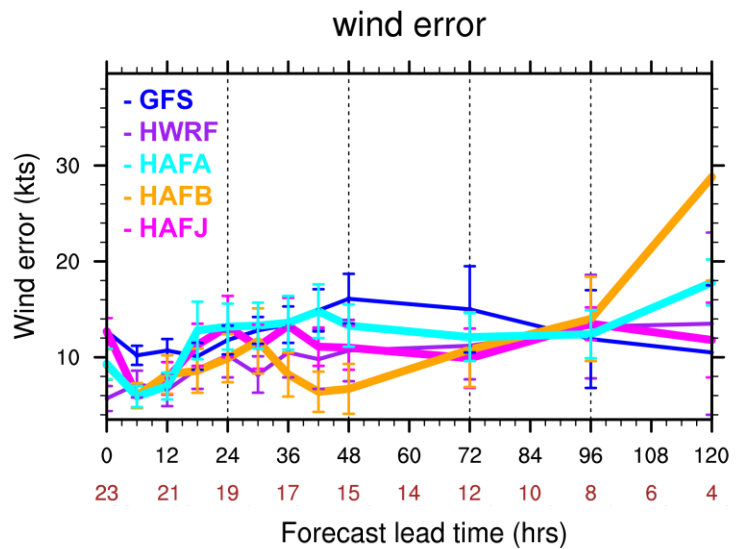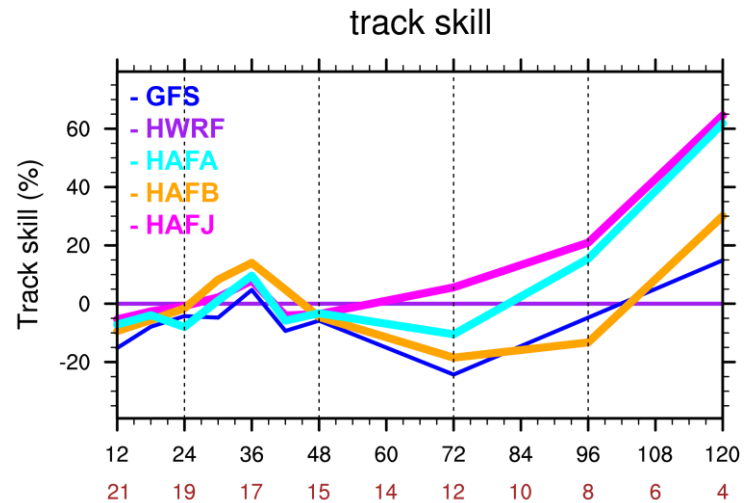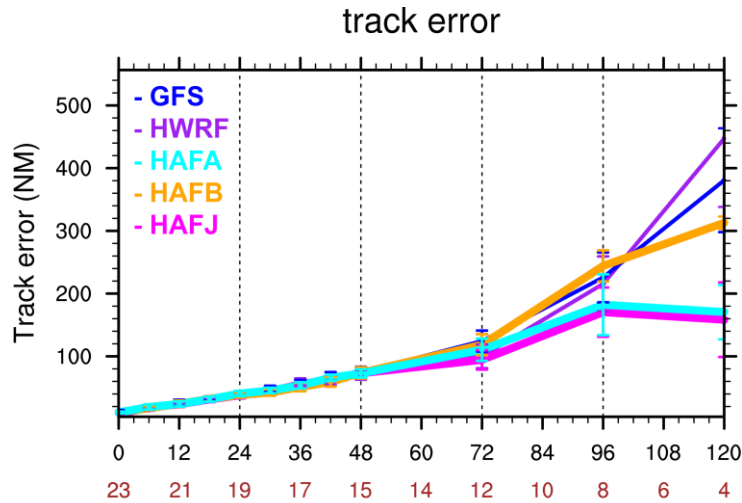
HAFS v0.1J: HAFS-LAM on Extended Schmidt Gnomonic (ESG) grids

N. Atlantic July-August storms 2020: 05L-12L

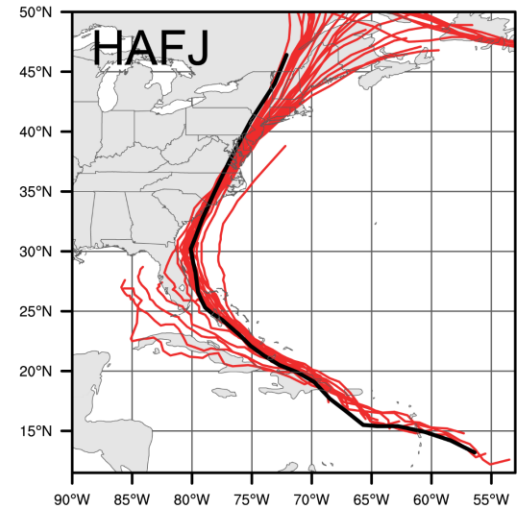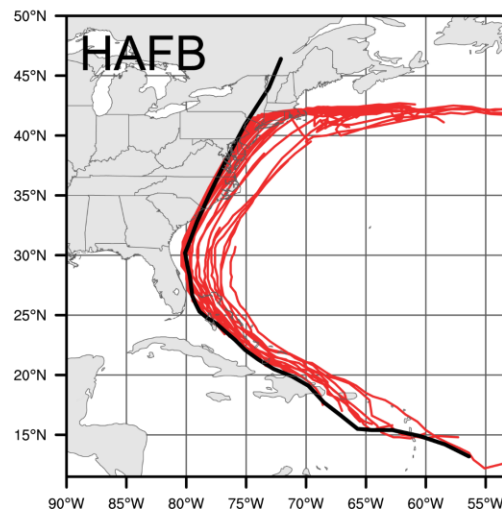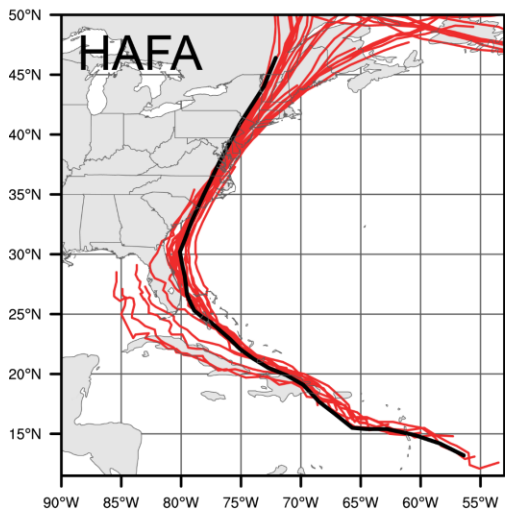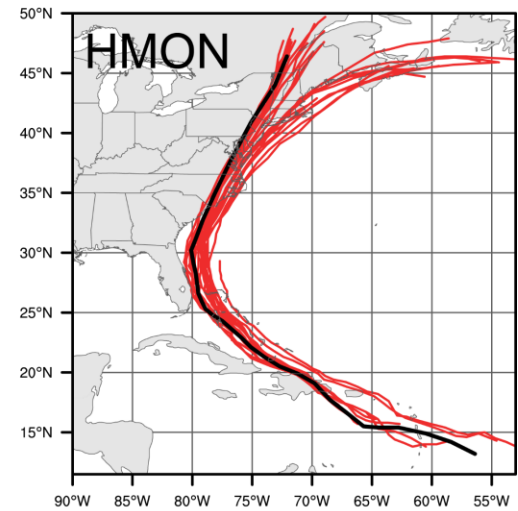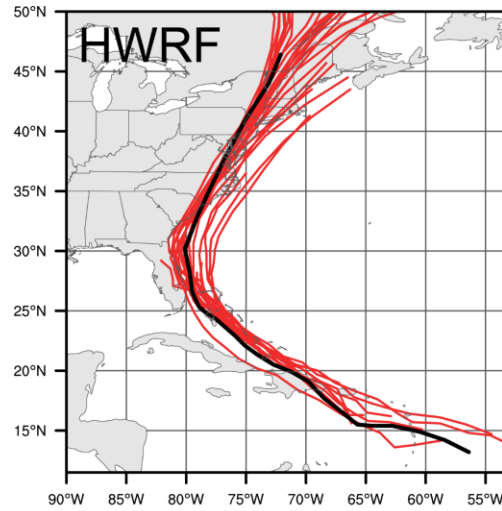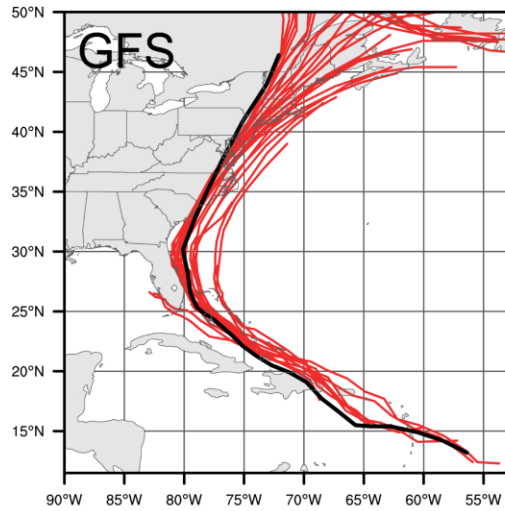**Better track forecast of HAFS-J after D3**

HAFS v0.1J: HAFS-LAM on Extended Schmidt Gnomonic (ESG) grids
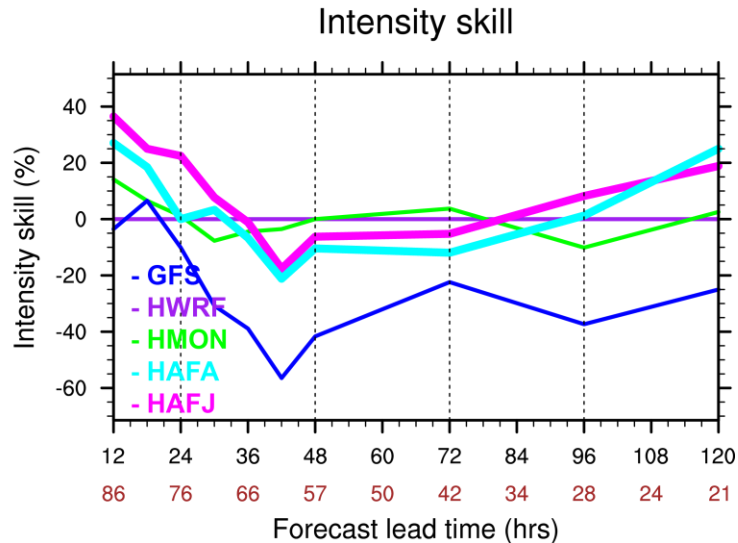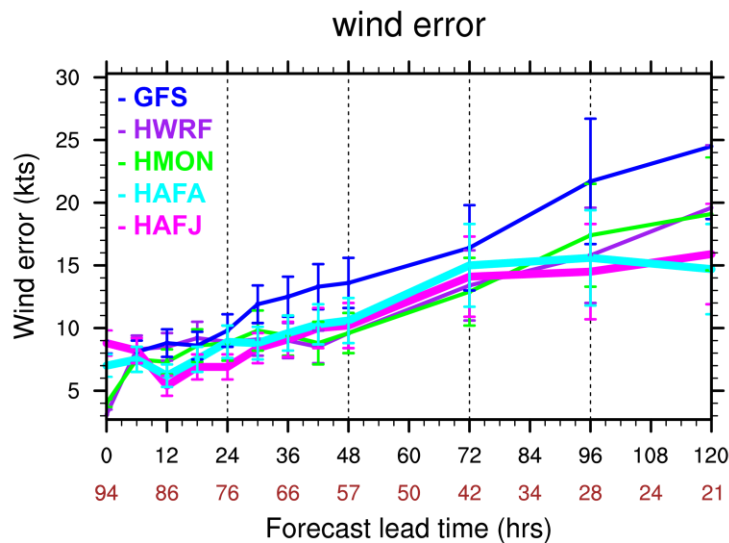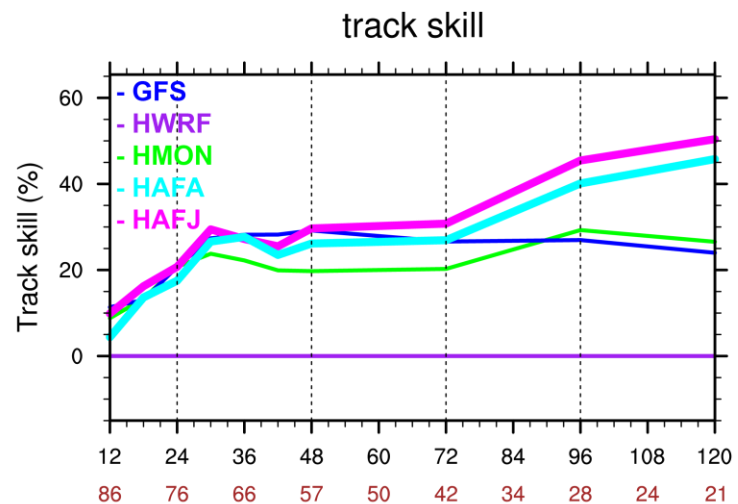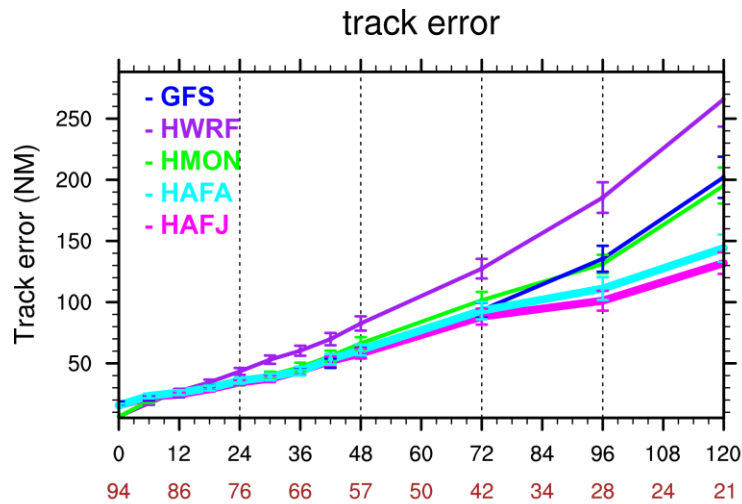
Hurricane Isaias 2020: 09L

HAFS v0.1J for Isaias 2020: track

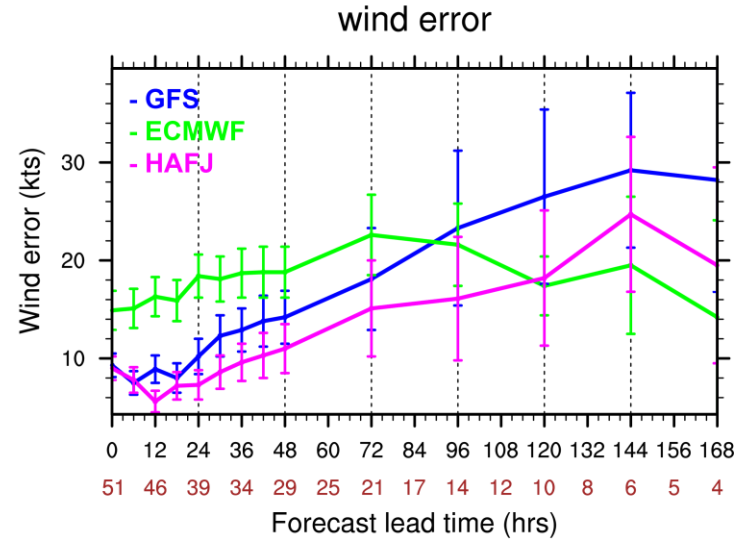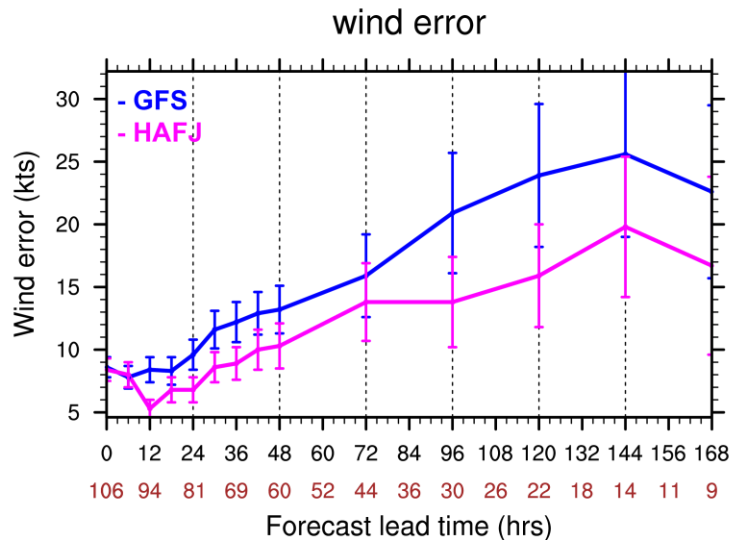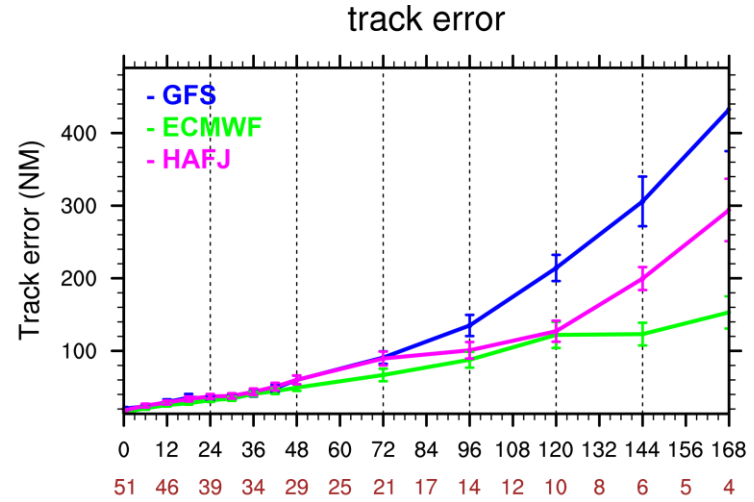# HAFS v0.1J: HAFS-LAM on Extended Schmidt Gnomonic (ESG) grids
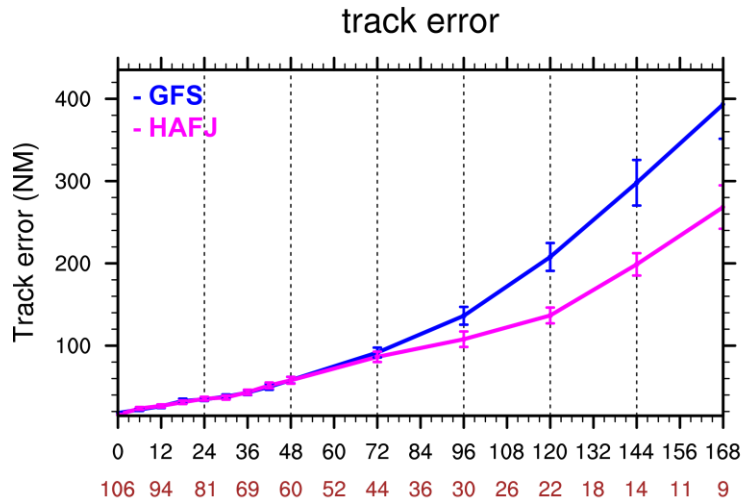
E. Pacific July-August storms 2020: 05E-11E

Better track forecast skill of HAFS-J after D3

E. Pacific July-August storms 2020 (05E-11E) -7days fcst

HAFS v0.1J: HAFS-LAM on Extended Schmidt Gnomonic (ESG) grids
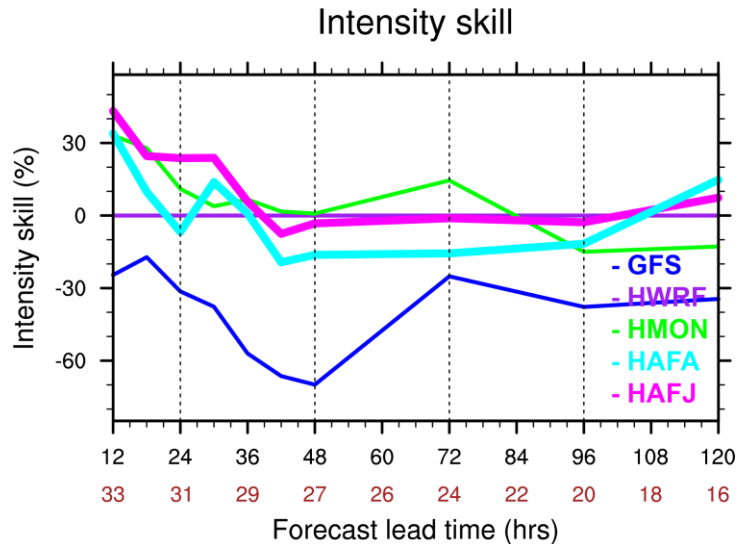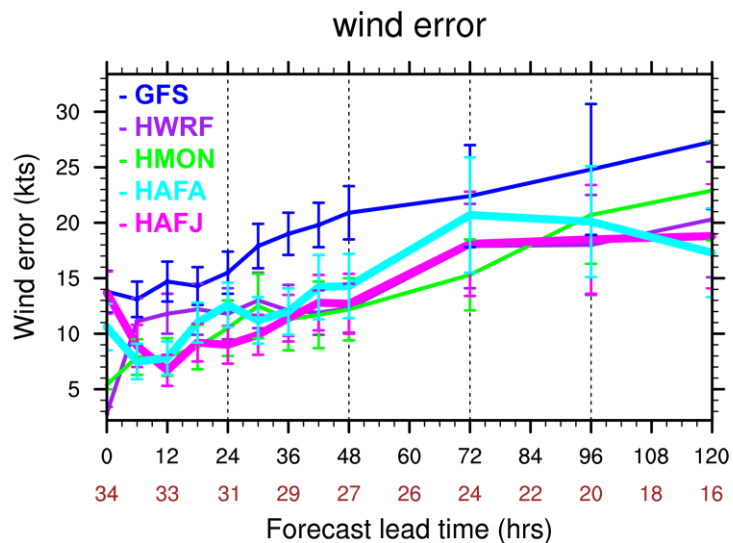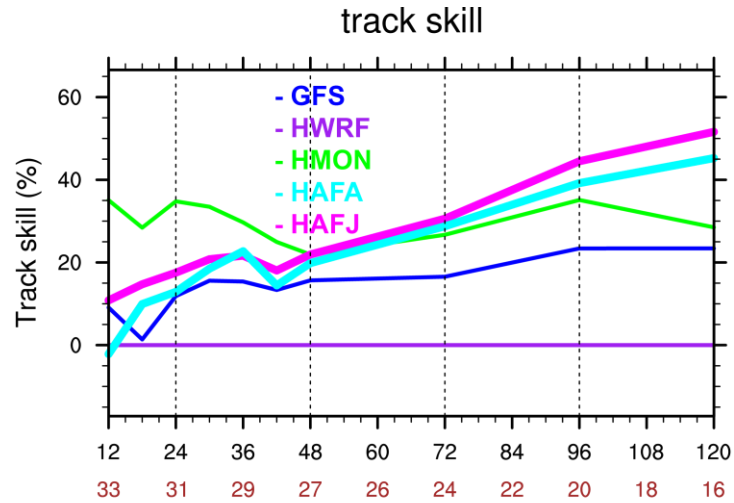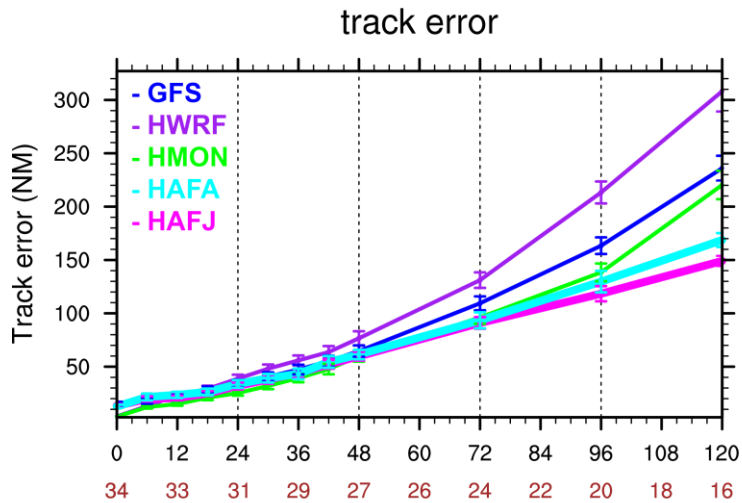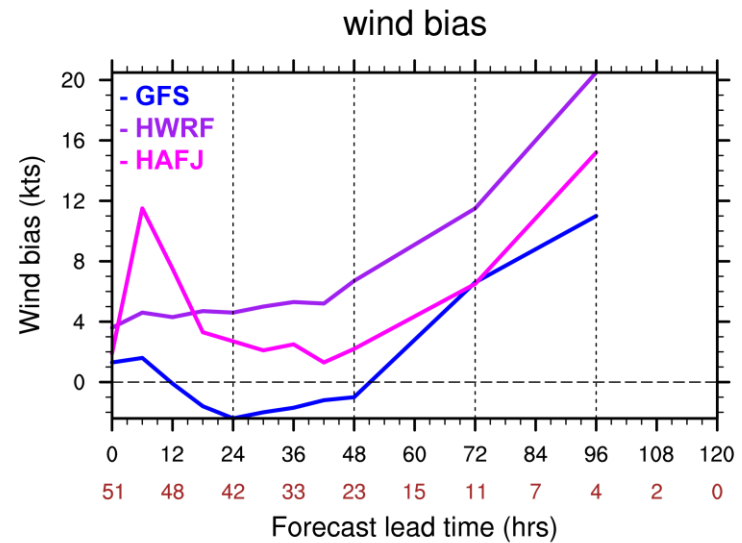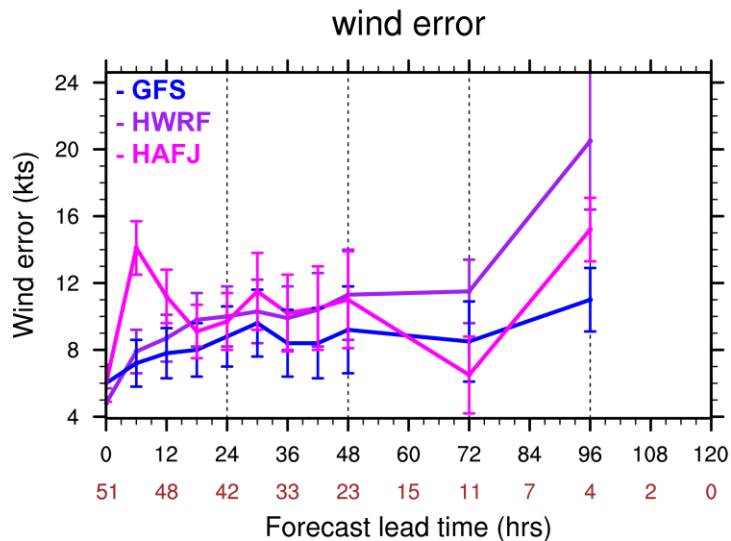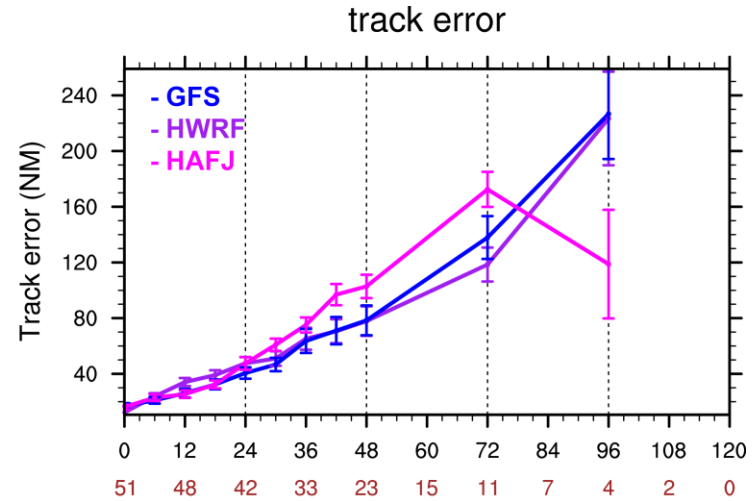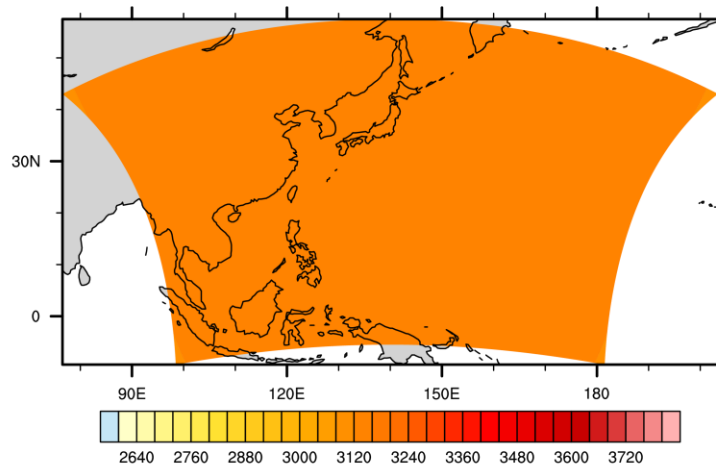
Hurricane Douglas 2020: 08E

HAFS v0.1J: HAFS-LAM on Extended Schmidt Gnomonic (ESG) grids

W. Pacific August storms 2020 (03W-07W)

Summary

- HAFS-J doing well in track forecasts in N. Atlantic and E. Pacific

- HAFS-J intensity forecast close to HWRF in E. Pacific

- HAFS-J track forecast better than GFS up to 7 days in E. Pacific

- HAFS-J and HAFS-A have similar performance in track and intensity forecast stats