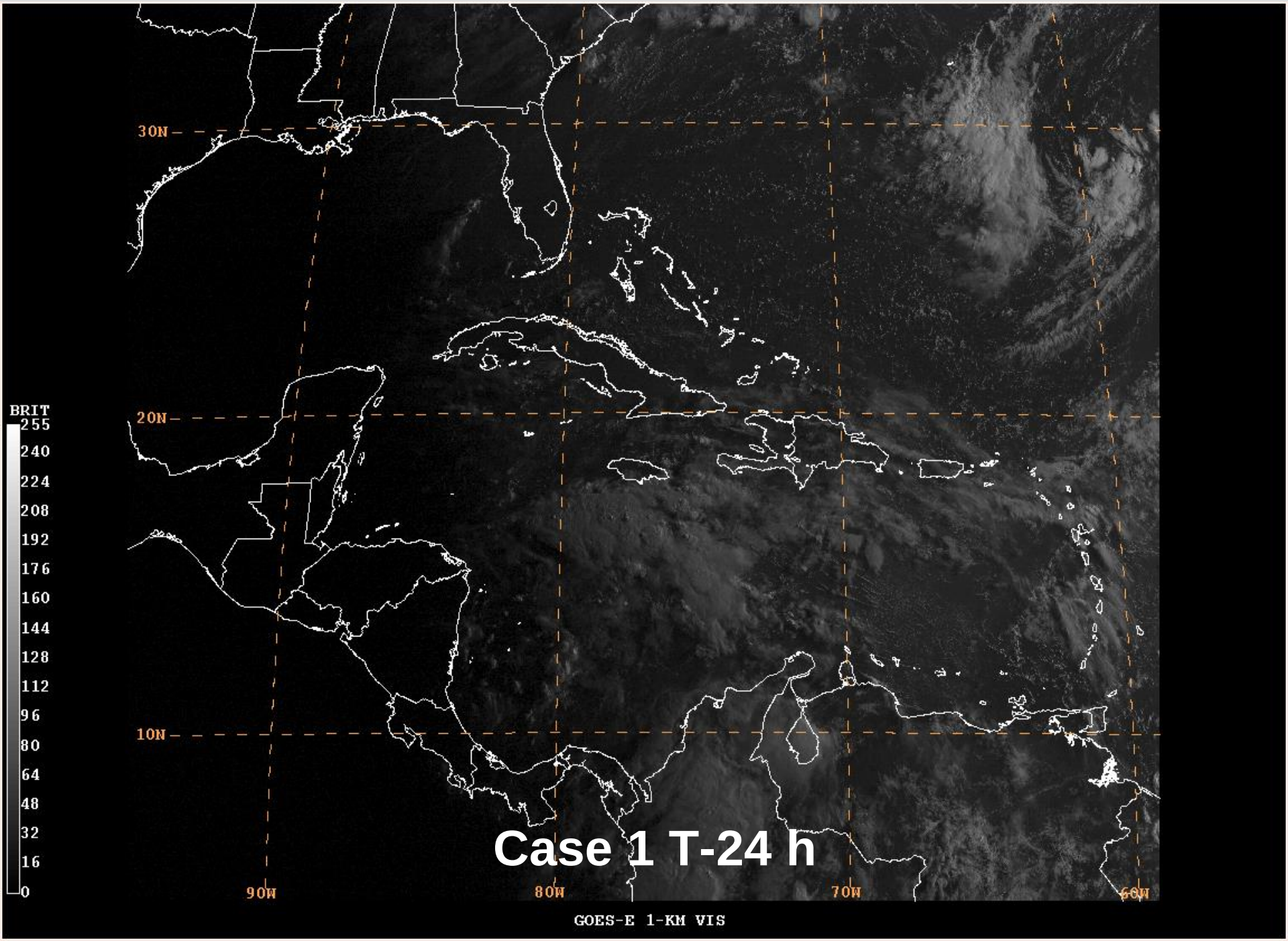
FORECAST EXERCISE

YOU ARE GIVEN 2 CASES (CASE 1 & CASE 2) DURING THE HURRICANE SEASON OF A PRE-EXISTING AREA OF DISTURBED WEATHER (ASSOCIATED WITH A TROPICAL WAVE) OVER THE CENTRAL CARIBBEAN SEA.

YOU HAVE SATELLITE IMAGERY, GFS MODEL ANALYSES AND FORECASTS AT 850, 500, 200 MB, AND SURFACE DATA PLOTS FOR TIME T (AND T-24 HOURS FOR THE SURFACE DATA). IT IS RECOMMENDED THAT YOU PERFORM A SEA-LEVEL PRESSURE ANALYSIS FOR THESE SURFACE CHARTS, WITH A 2 MB INTERVAL FOR THE ISOBARS.

MAKE A FORECAST OF TC FORMATION FOR CASE 1 AND CASE 2. WRITE A BRIEF "TROPICAL WEATHER OUTLOOK" (TWO) FOR EACH CASE, INCLUDING THE PROBABILITIES (TO THE NEAREST 10%) OF TC FORMATION WITHIN 48 AND 120 HOURS. WHICH CASE SEEMS MORE LIKELY TO DEVELOP, AND WHY?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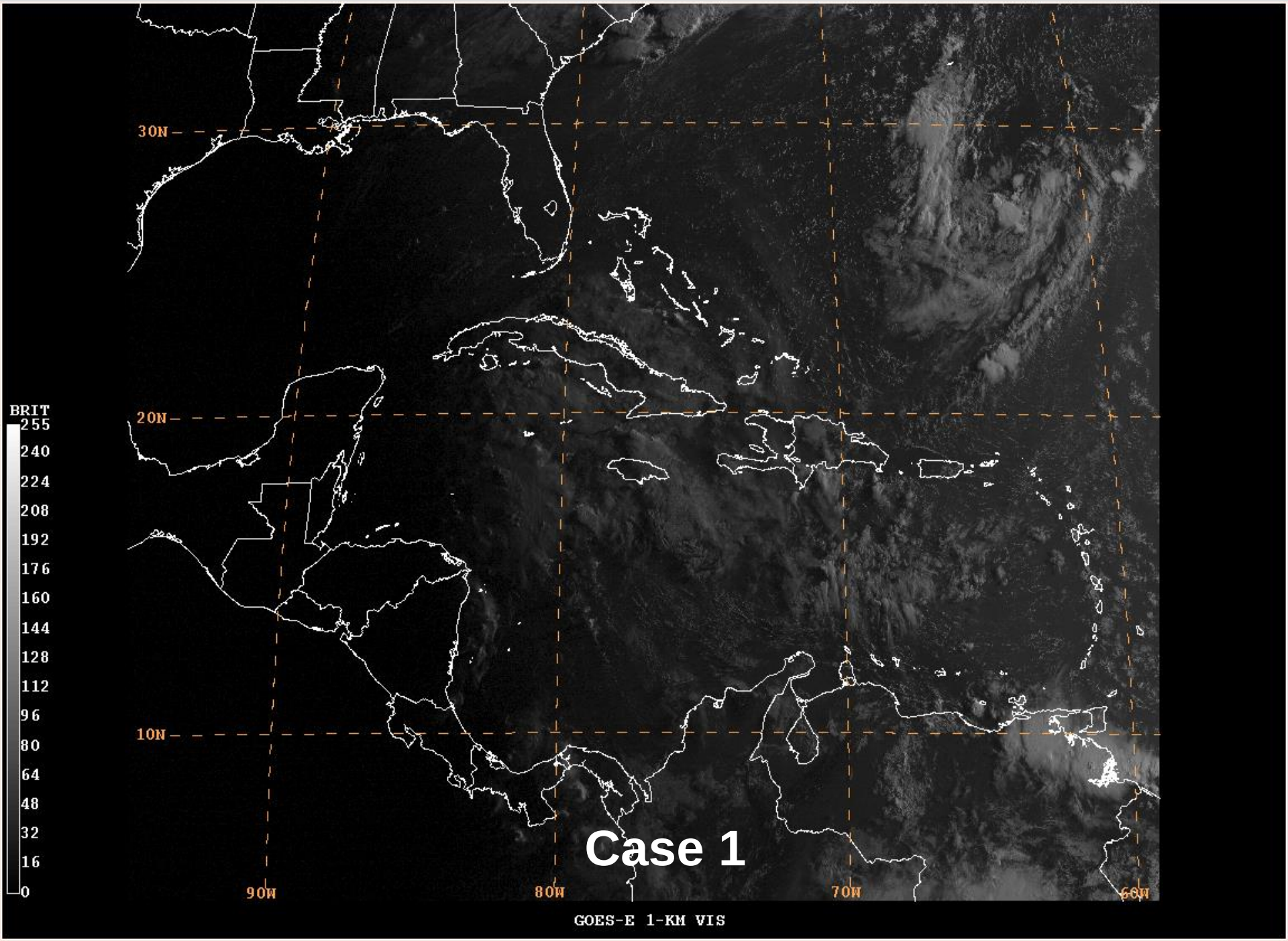
Case 1 T-24 h
GOES-E 1-KM VIS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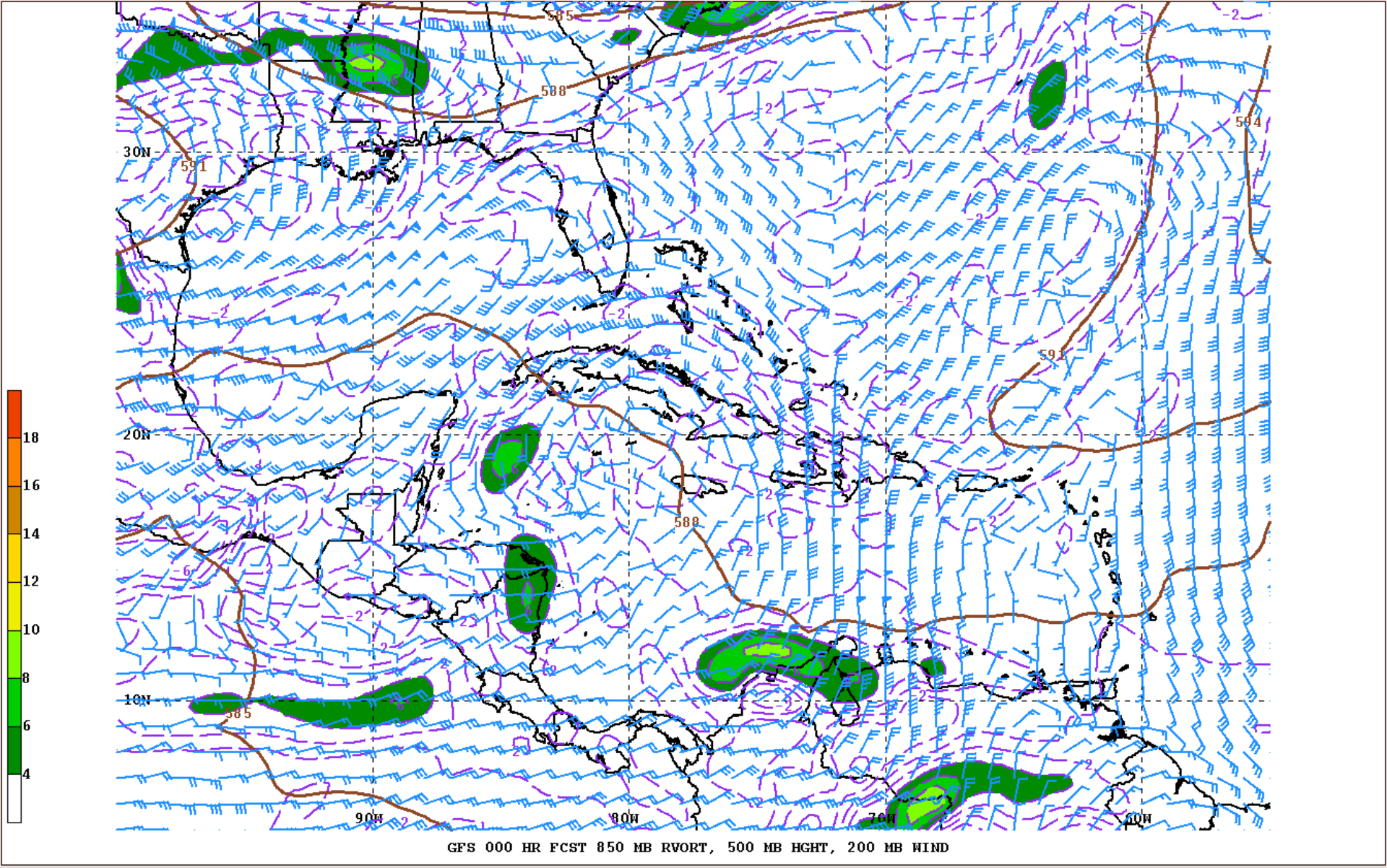
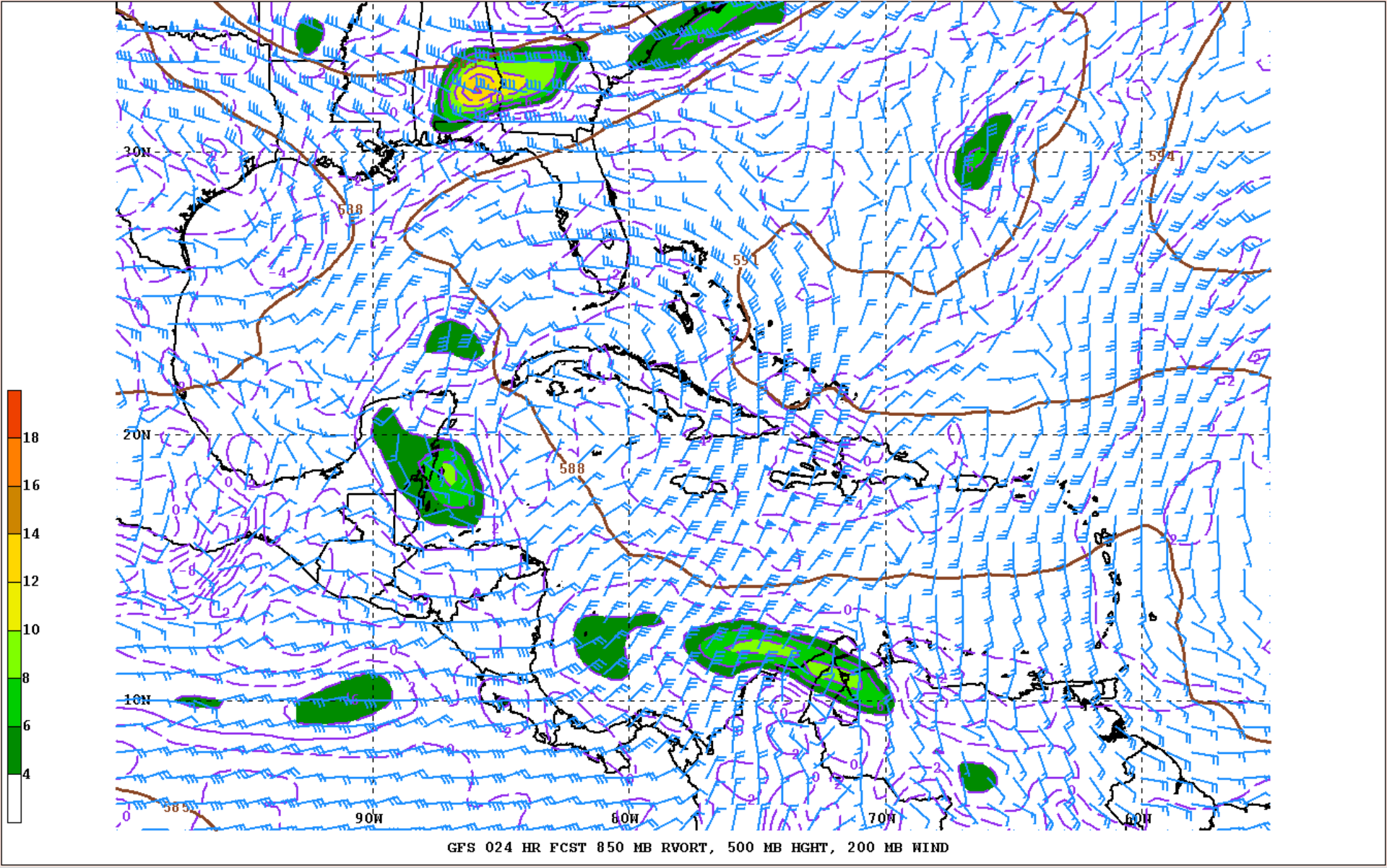
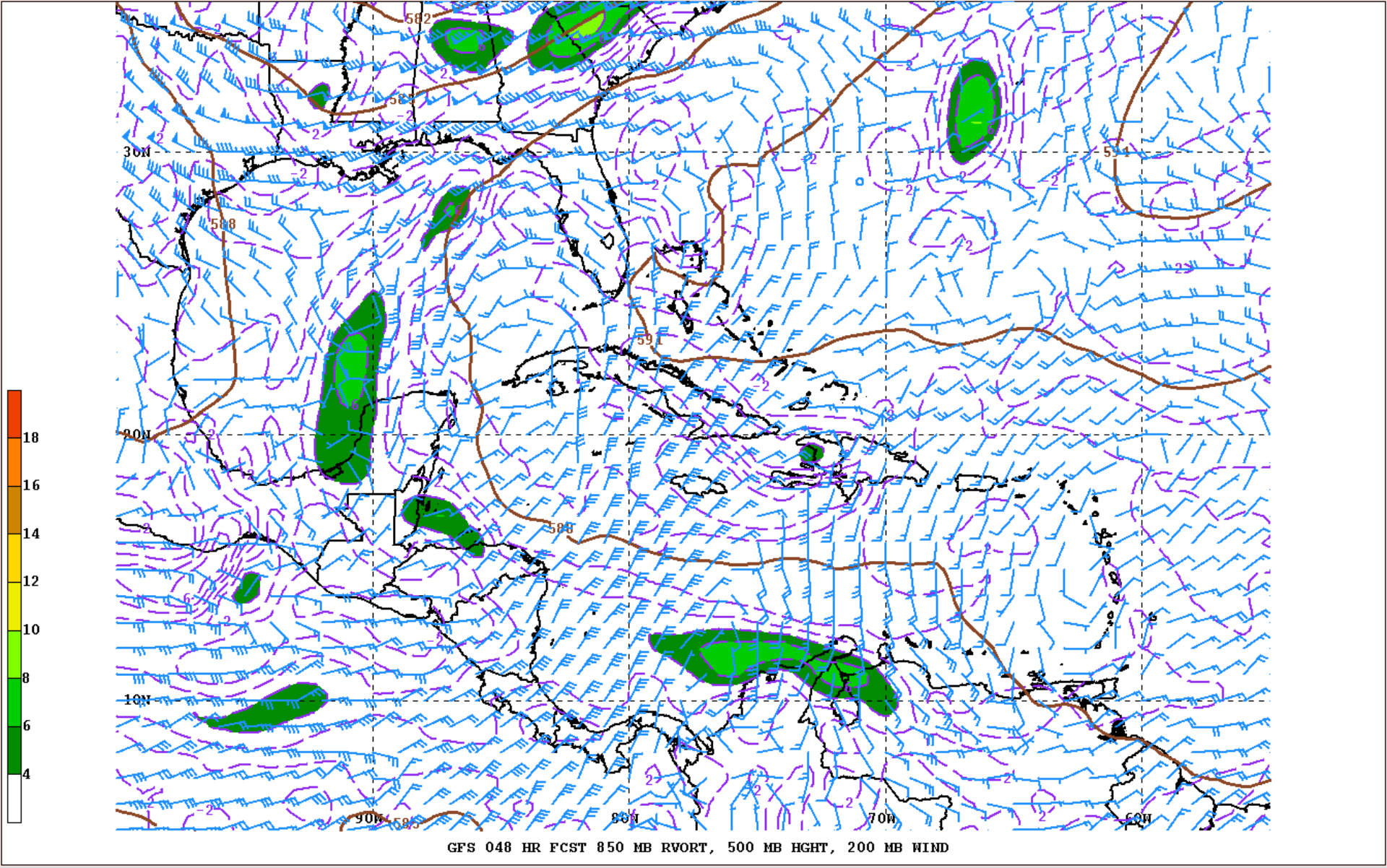
Case 1
GOES-E 1-KM VIS



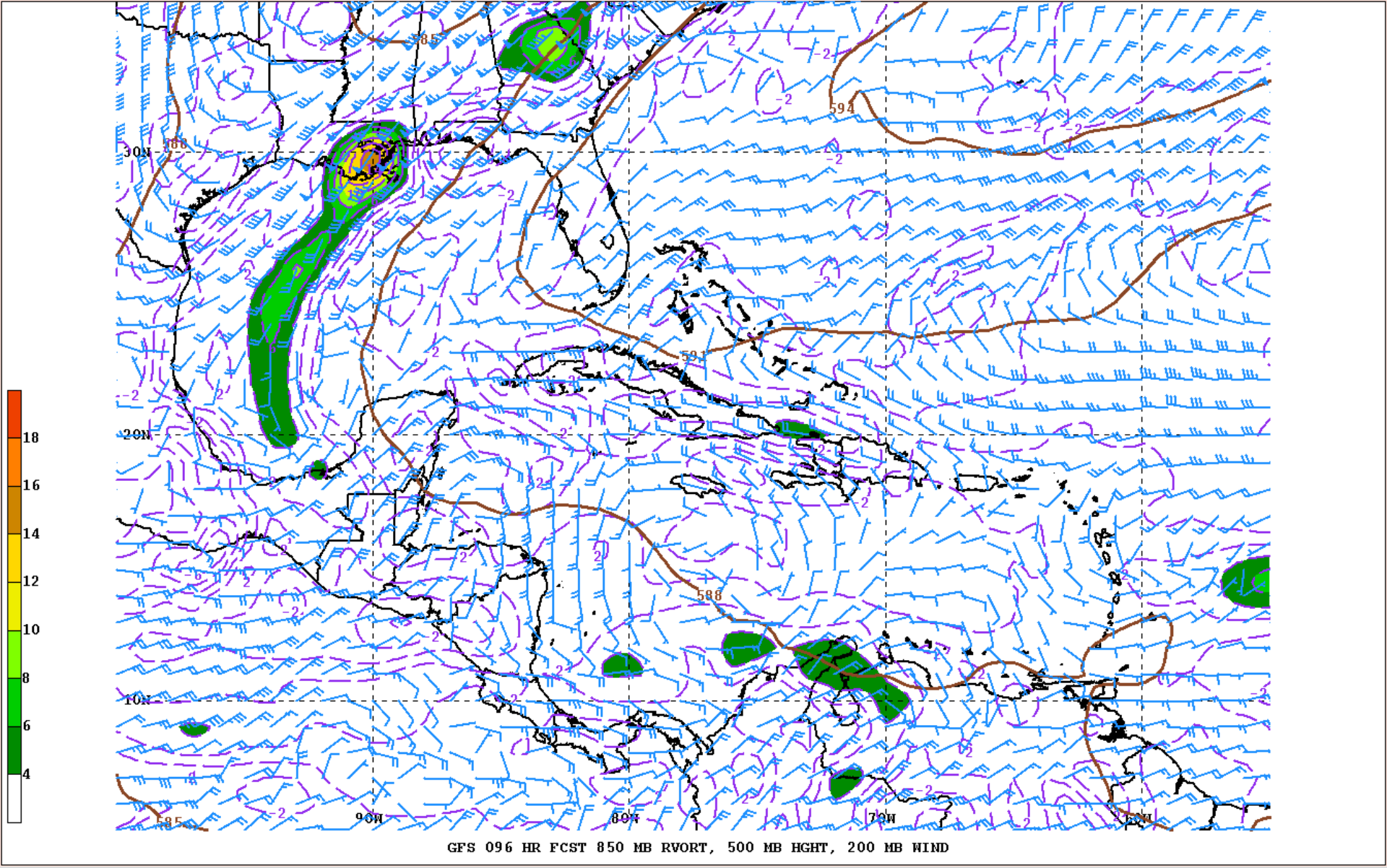
Case 1
GFS 00 h



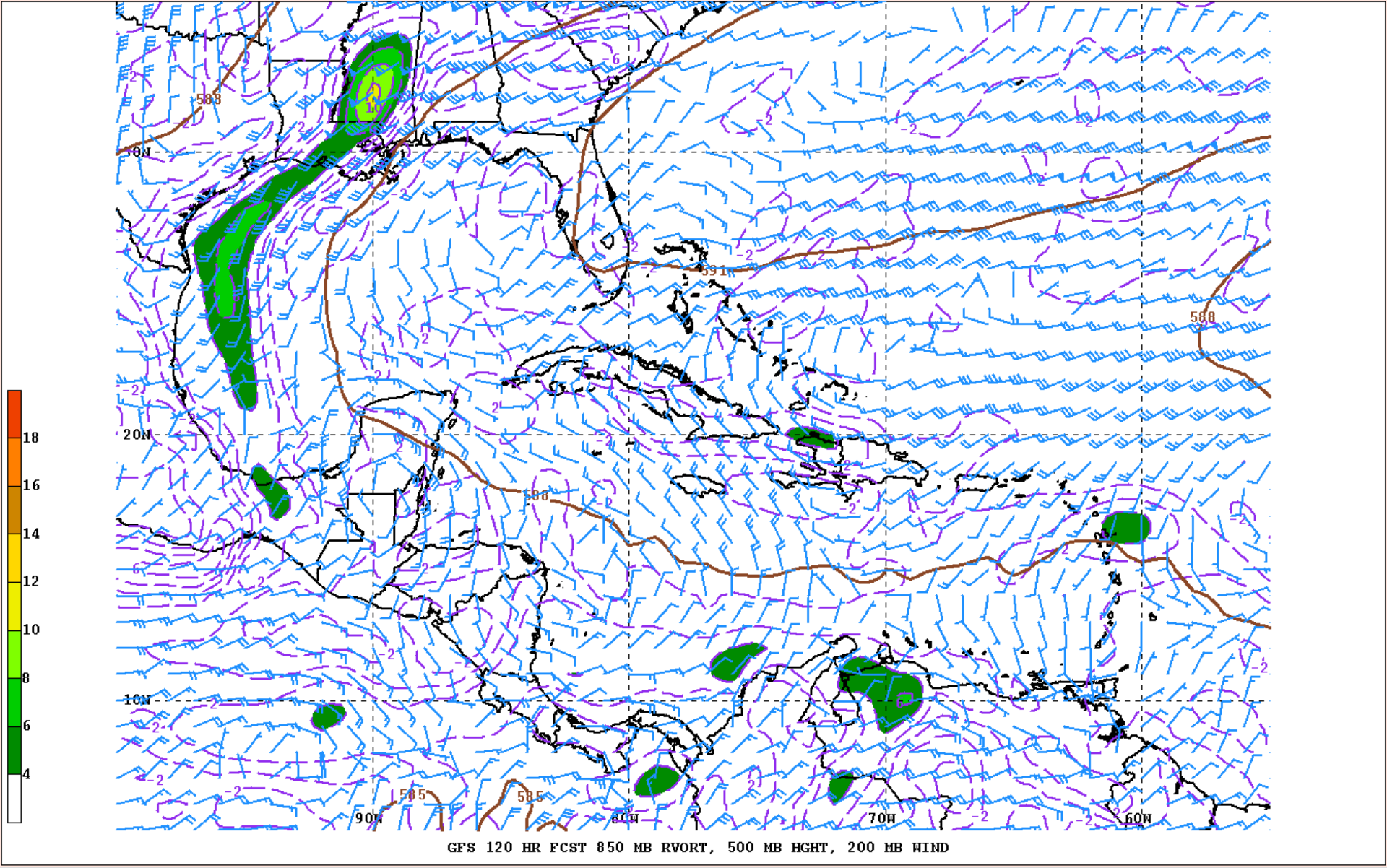
Case 1
GFS 24 h



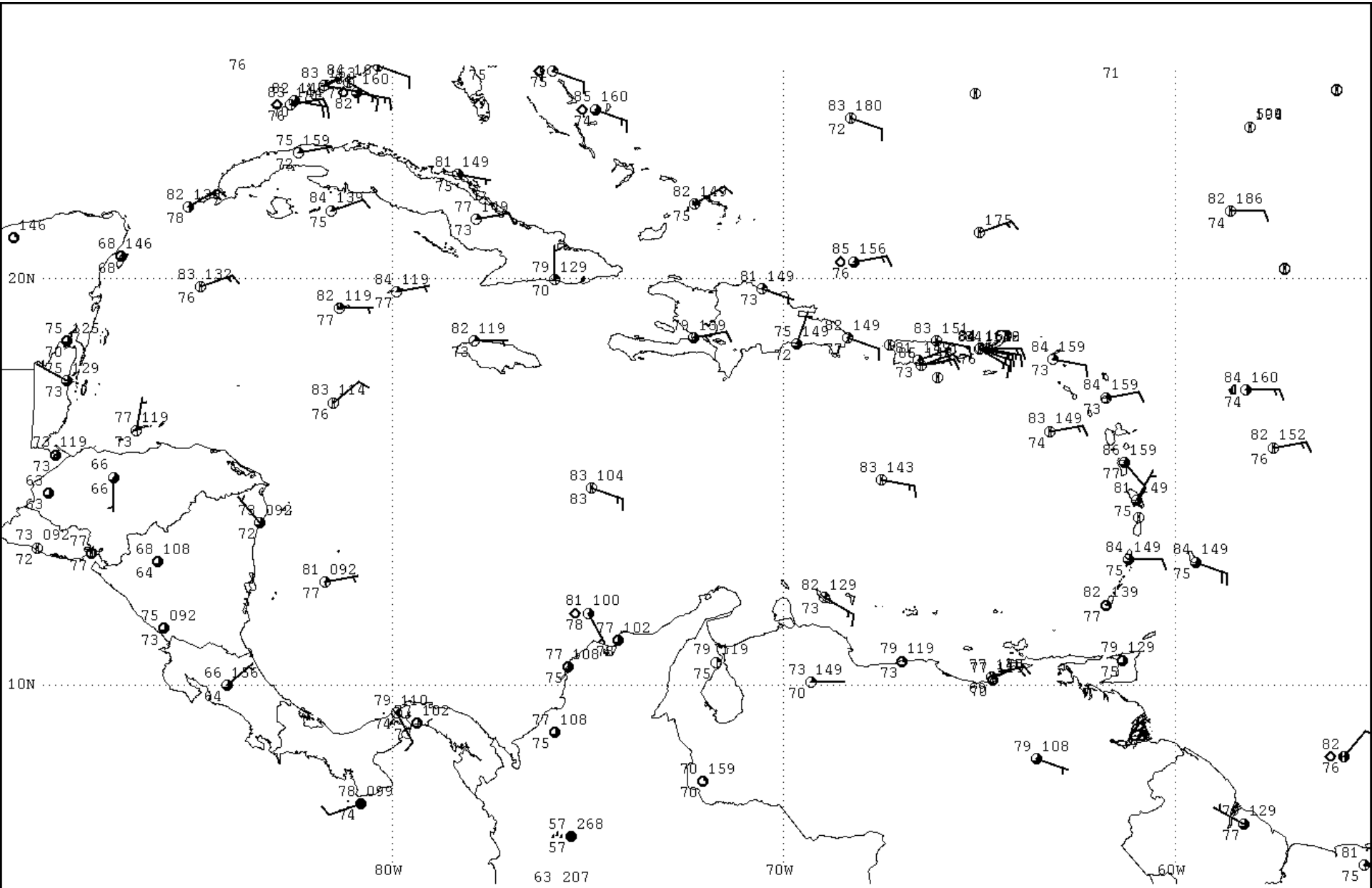
Case 1
GFS 48 h



Case 1
GFS 72 h



Case 1
GFS 120 h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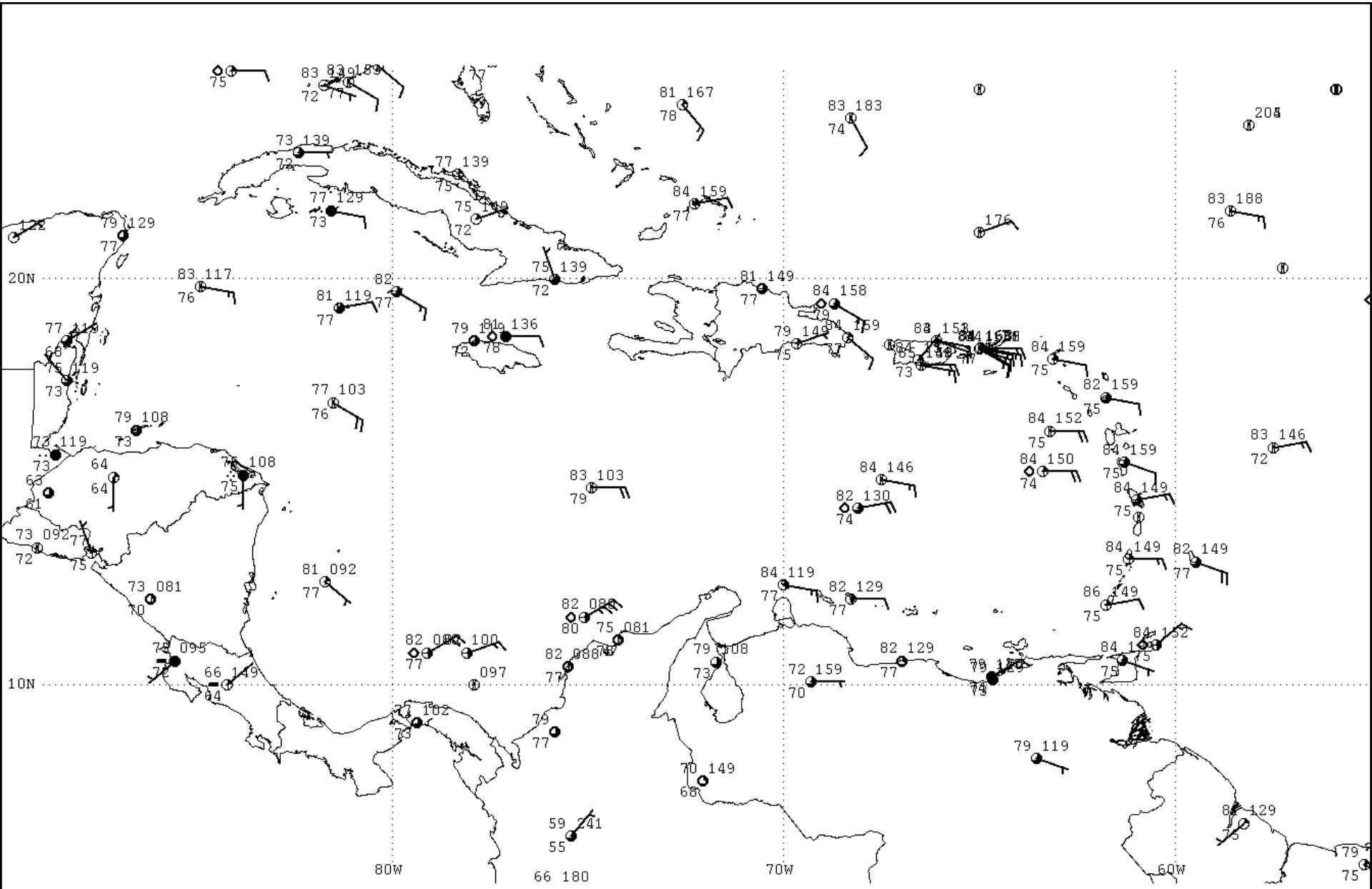
Surface Observations Case 1 Time T-24 Hours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Surface Observations Case 1 Time T

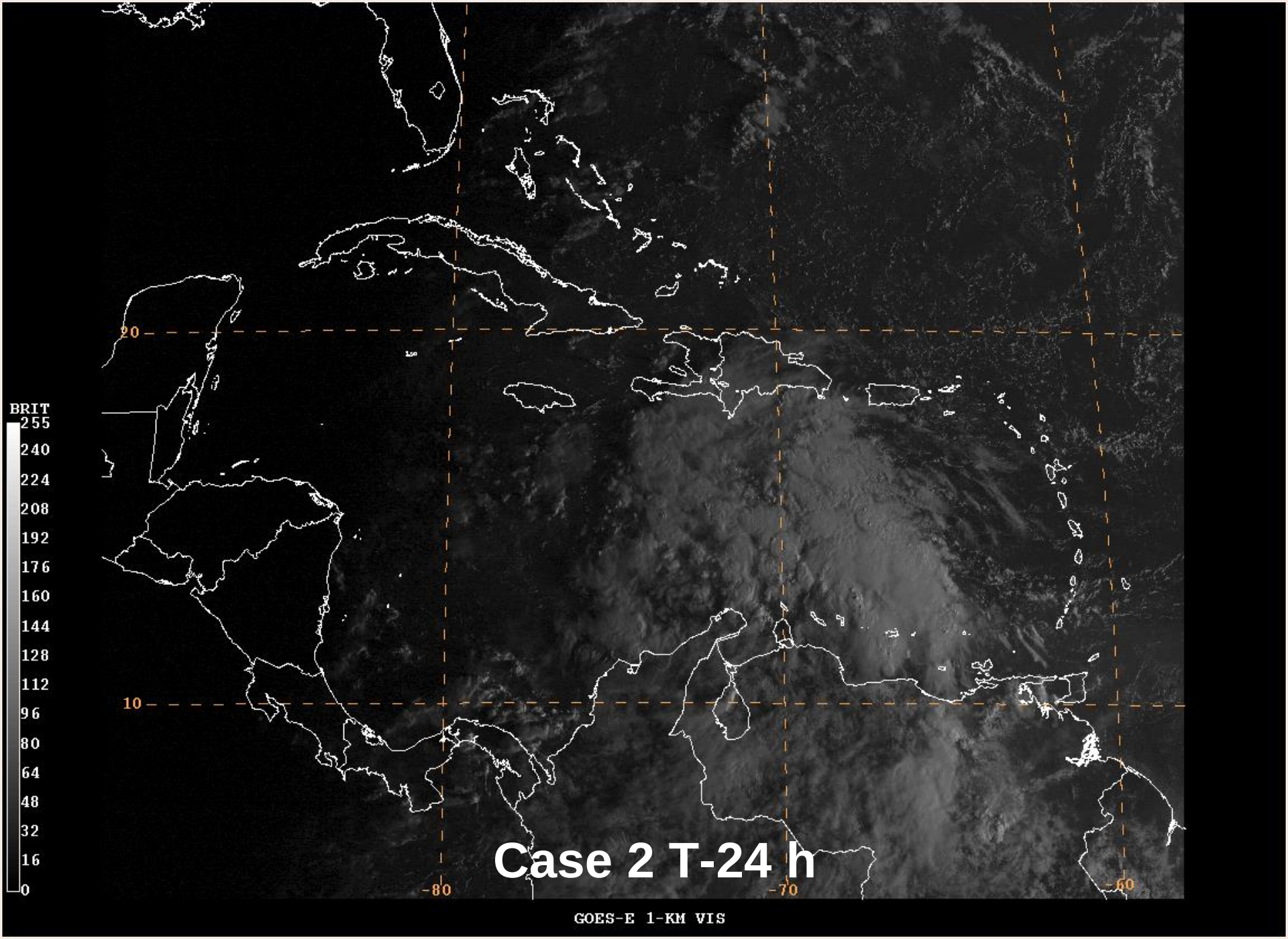
TROPICAL WEATHER OUTLOOK
NWS NATIONAL HURRICANE CENTER MIAMI FL
200 PM EDT WED AUG 12 2015

FOR THE NORTH ATLANTIC...CARIBBEAN SEA AND THE GULF OF MEXICO...

…enter some discussion of the disturbance associated with Case 1 below…

…now enter the categories and percentage chances of development below…

THIS SYSTEM HAS A ____ CHANCE...____ PERCENT...OF BECOMING A TROPICAL CYCLONE DURING THE NEXT 48 HOURS...AND A ____ CHANCE...____ PERCENT...OF BECOMING A TROPICAL CYCLONE DURING THE NEXT 5 DAYS.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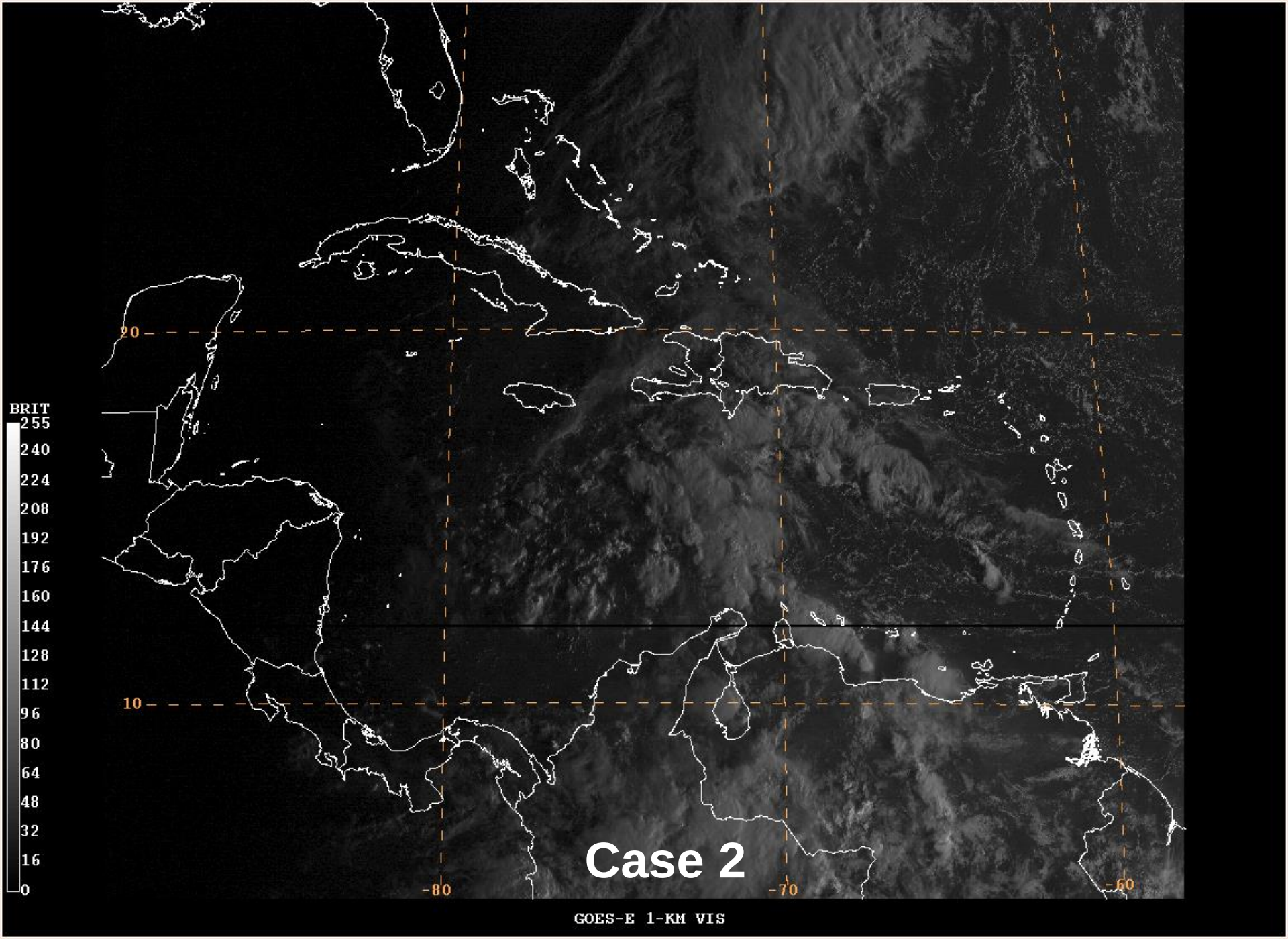
Case 2 T-24 h
GOES-E 1-KM VIS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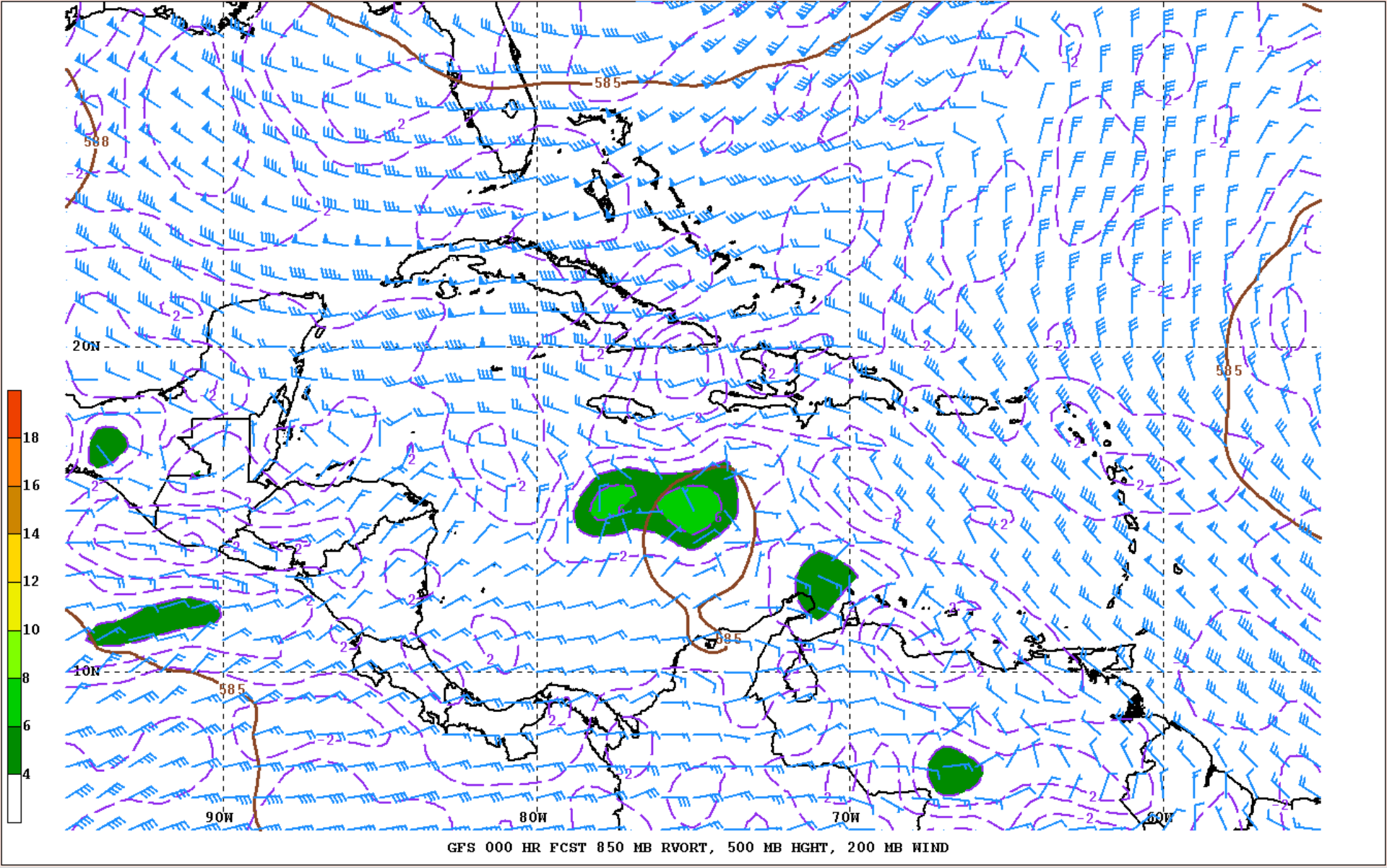
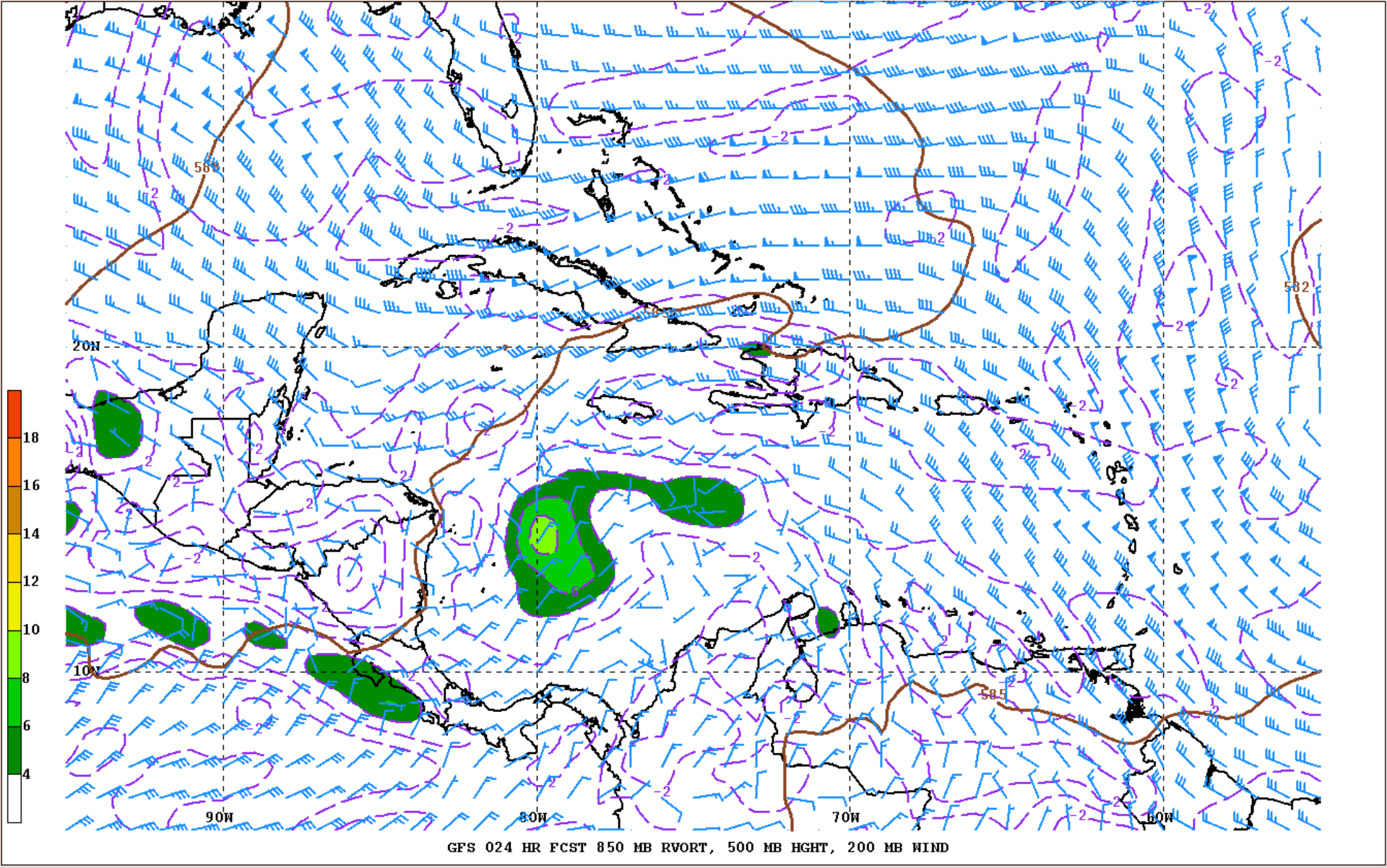
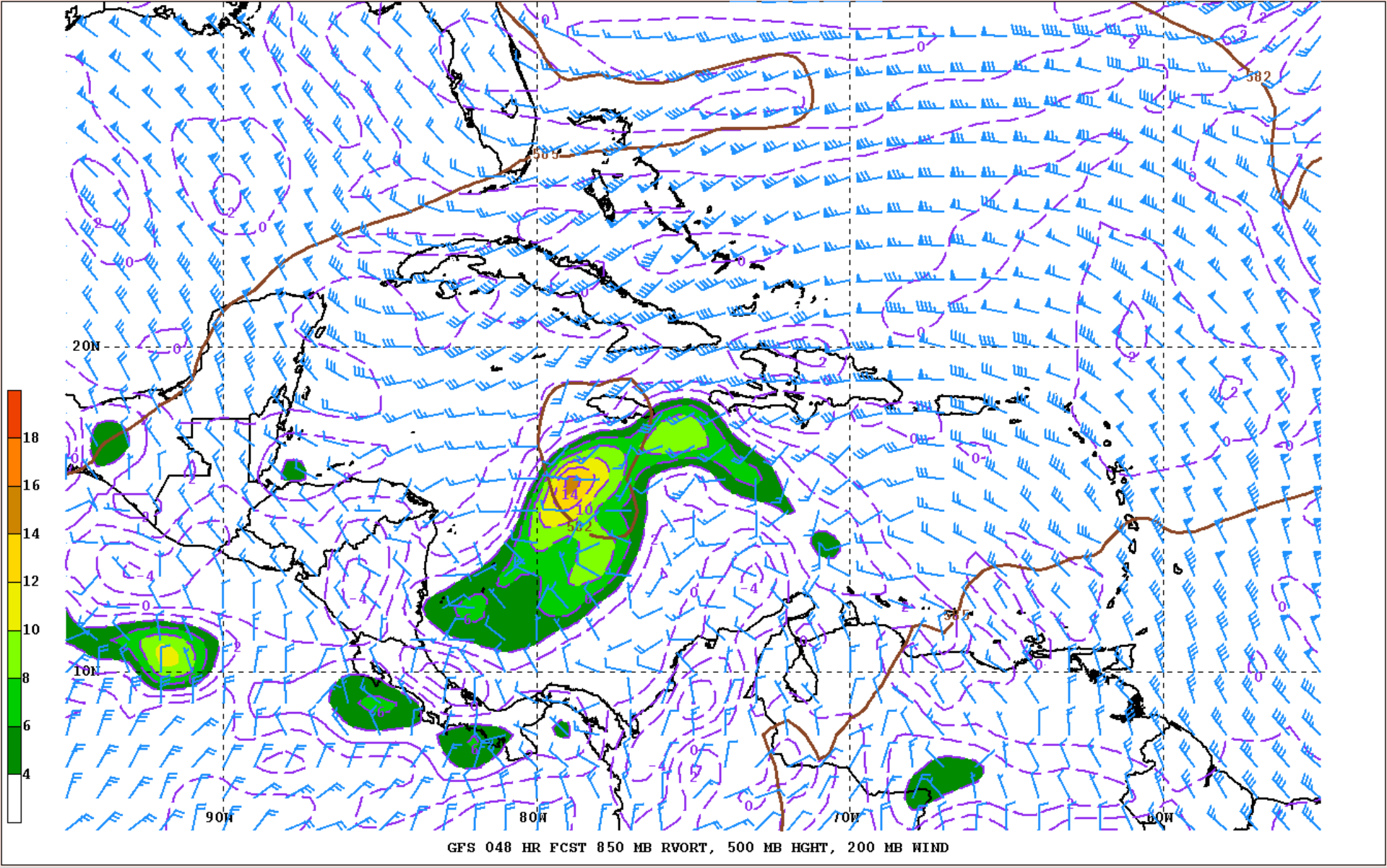
Case 2
GOES-E 1-KM VIS



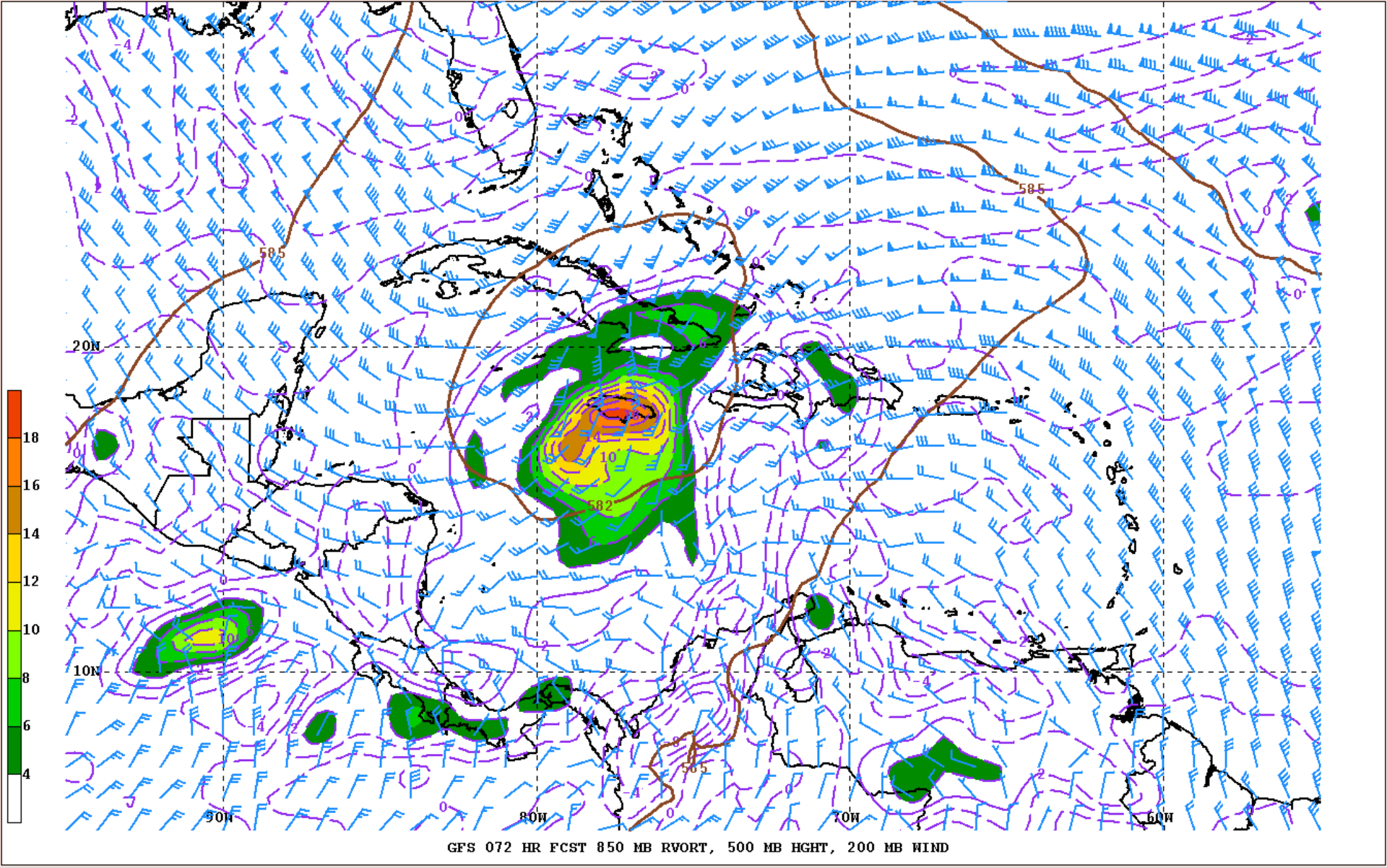
Case 2
GFS 00 h



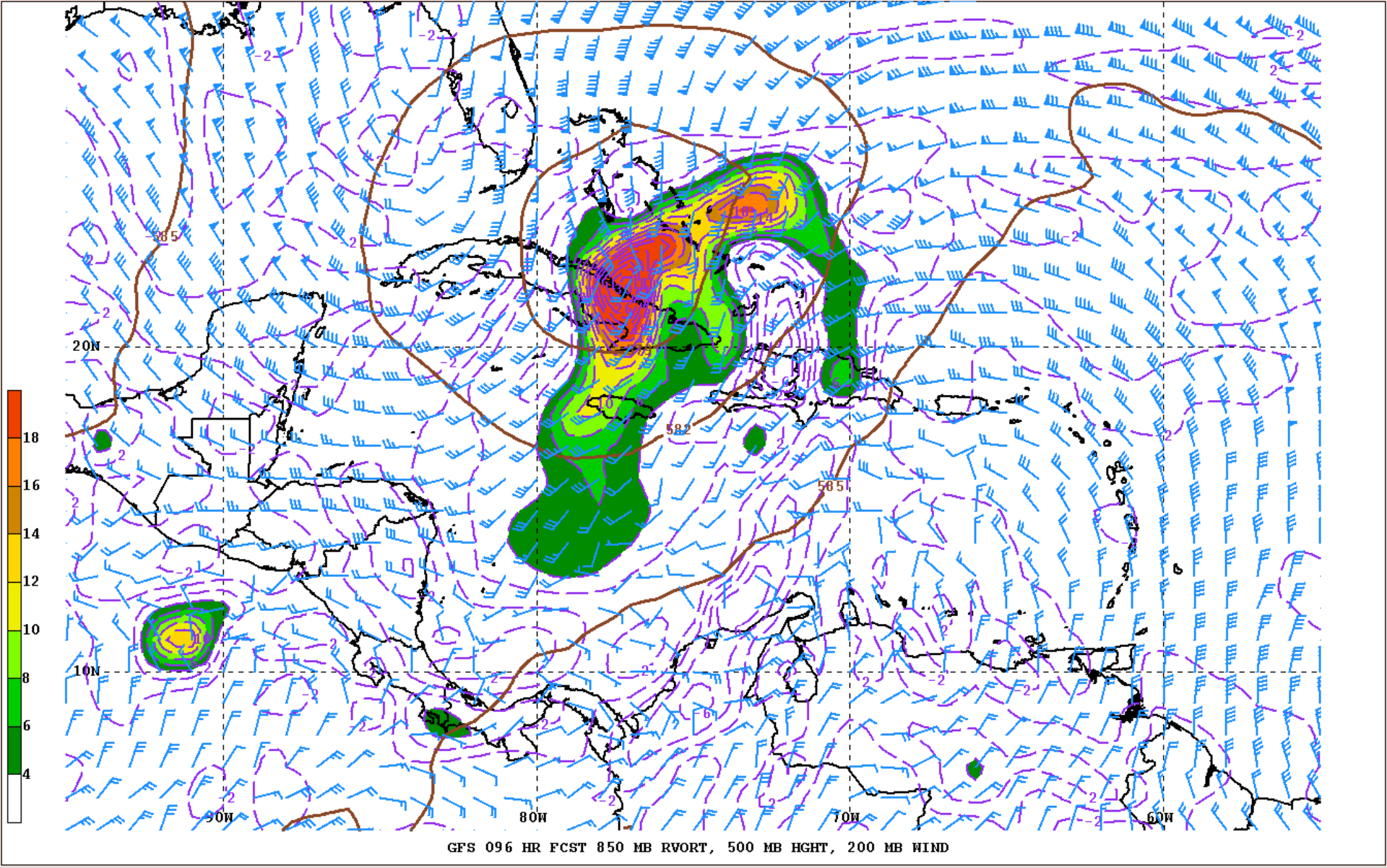
Case 2
GFS 24 h



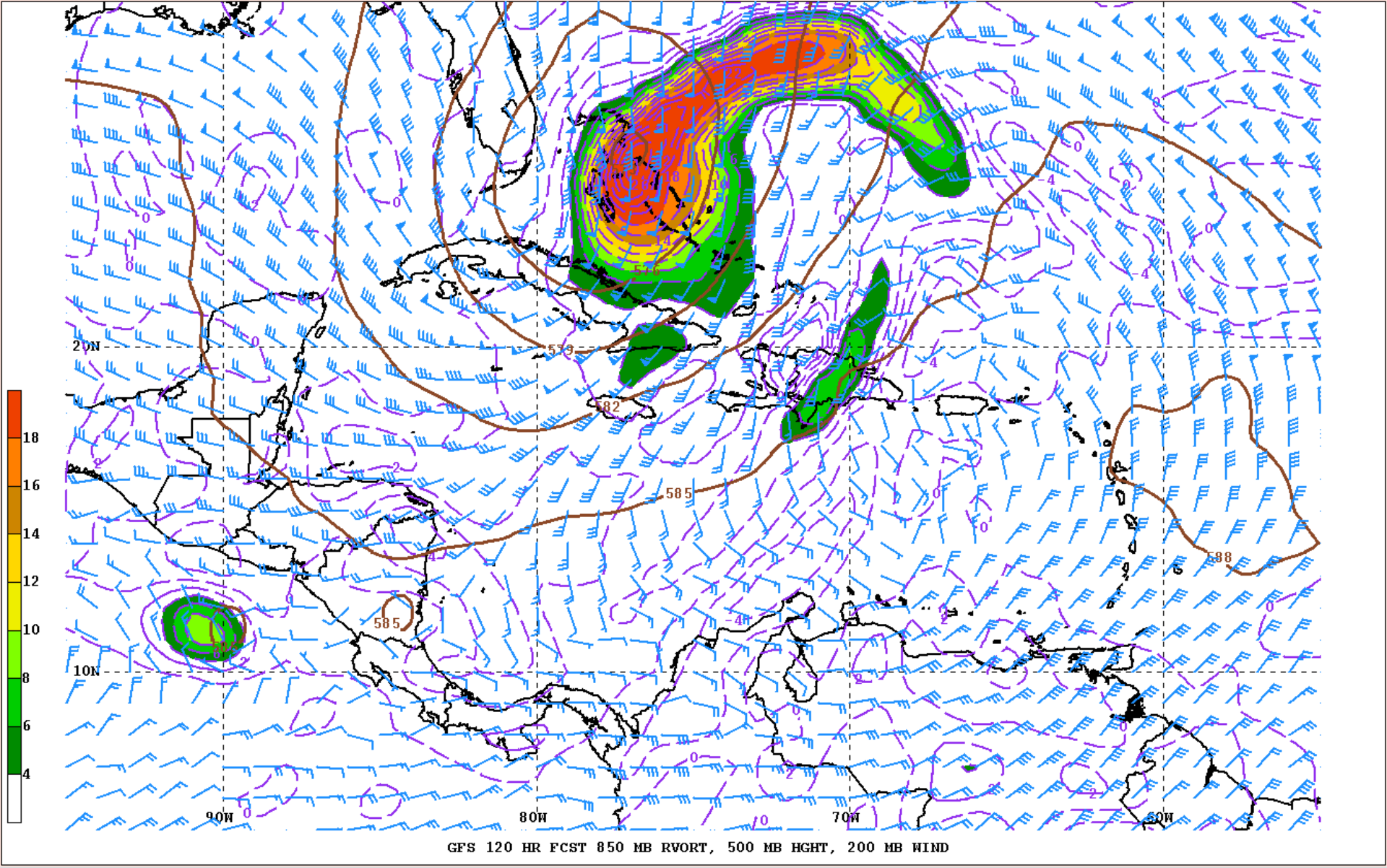
Case 2
GFS 48 h



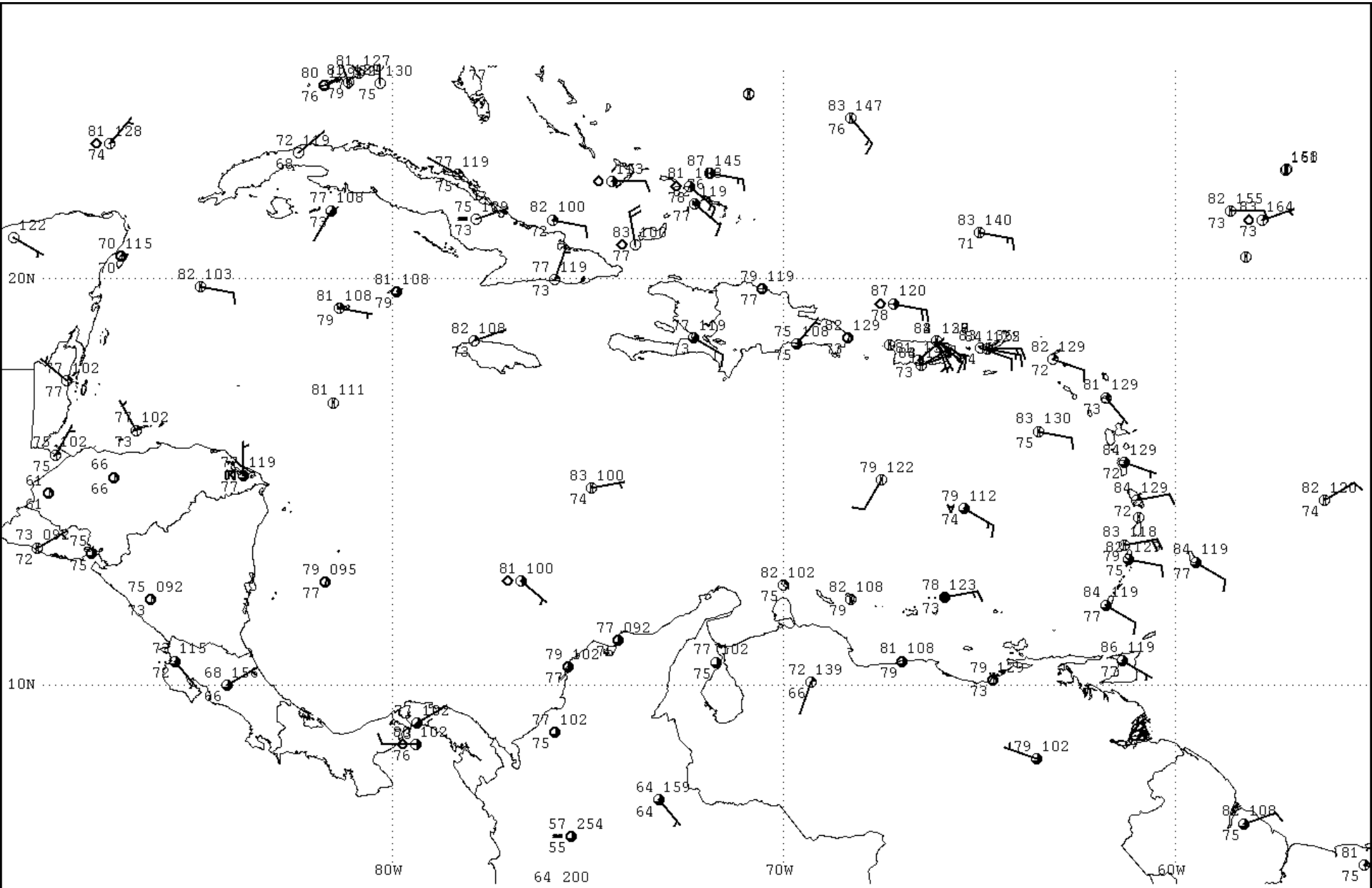
Case 1
GFS 72 h



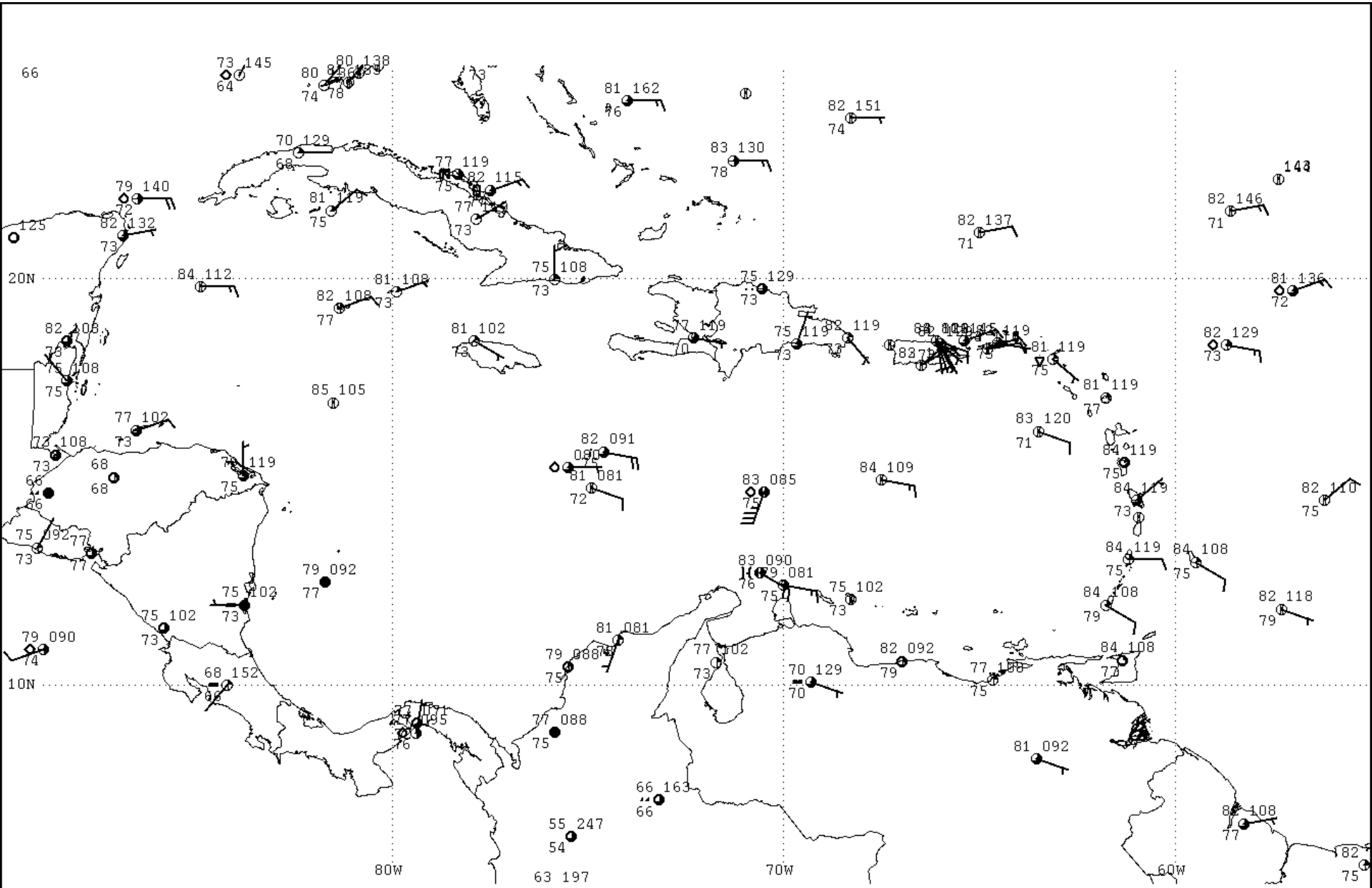
Case 1
GFS 96 h



Case 2
GFS 120 h



Surface Observations Case 2 Time T-24 Hours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Surface Observations Case 2 Time T

TROPICAL WEATHER OUTLOOK
NWS NATIONAL HURRICANE CENTER MIAMI FL
200 PM EDT WED SEP 16 2015

FOR THE NORTH ATLANTIC...CARIBBEAN SEA AND THE GULF OF MEXICO...

…enter some discussion of the disturbance associated with Case 2 below…

…now enter the categories and percentage chances of development below…

THIS SYSTEM HAS A ____ CHANCE...____ PERCENT...OF BECOMING A TROPICAL CYCLONE DURING THE NEXT 48 HOURS...AND A ____ CHANCE...____ PERCENT...OF BECOMING A TROPICAL CYCLONE DURING THE NEXT 5 DAYS.