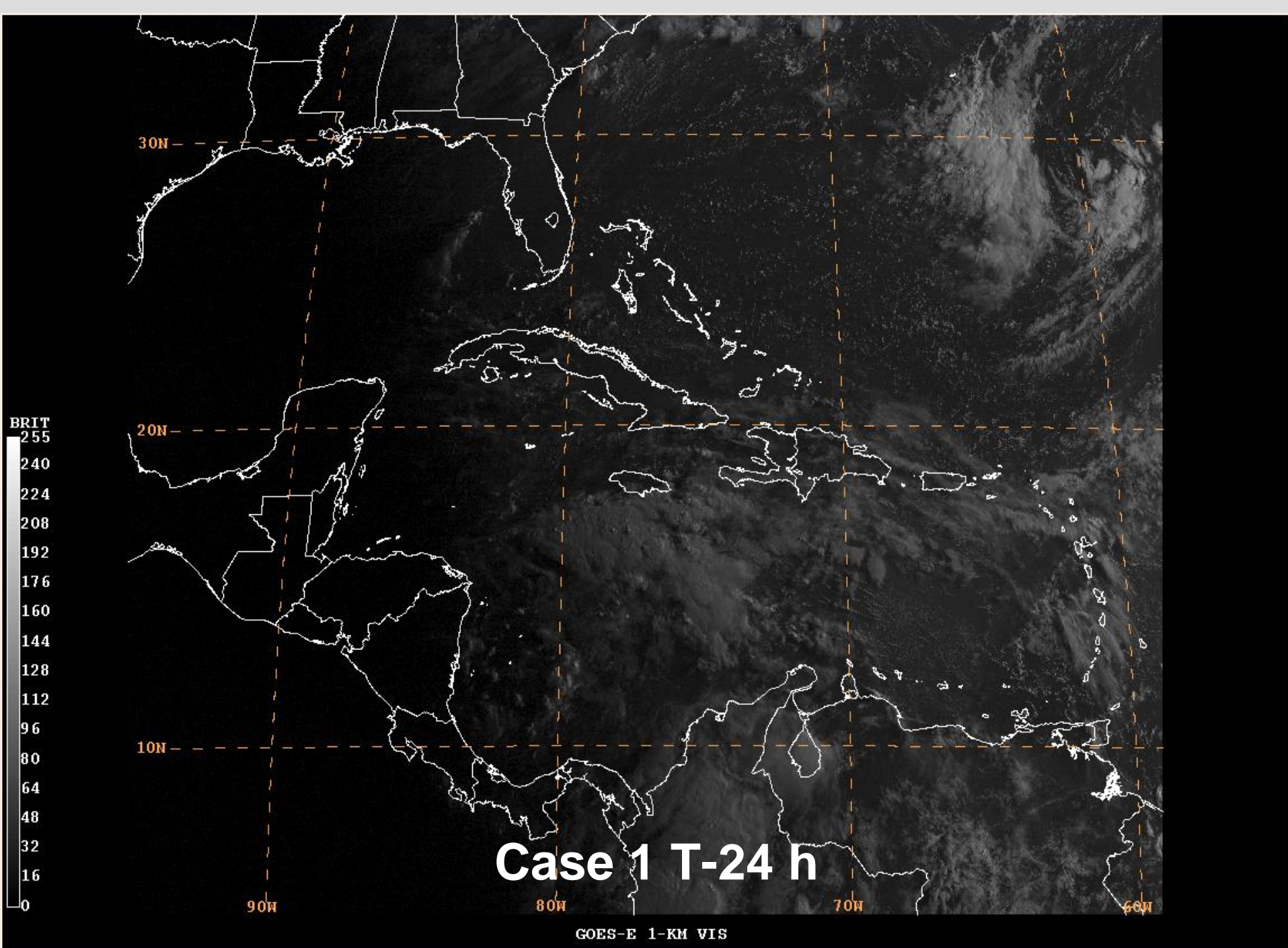


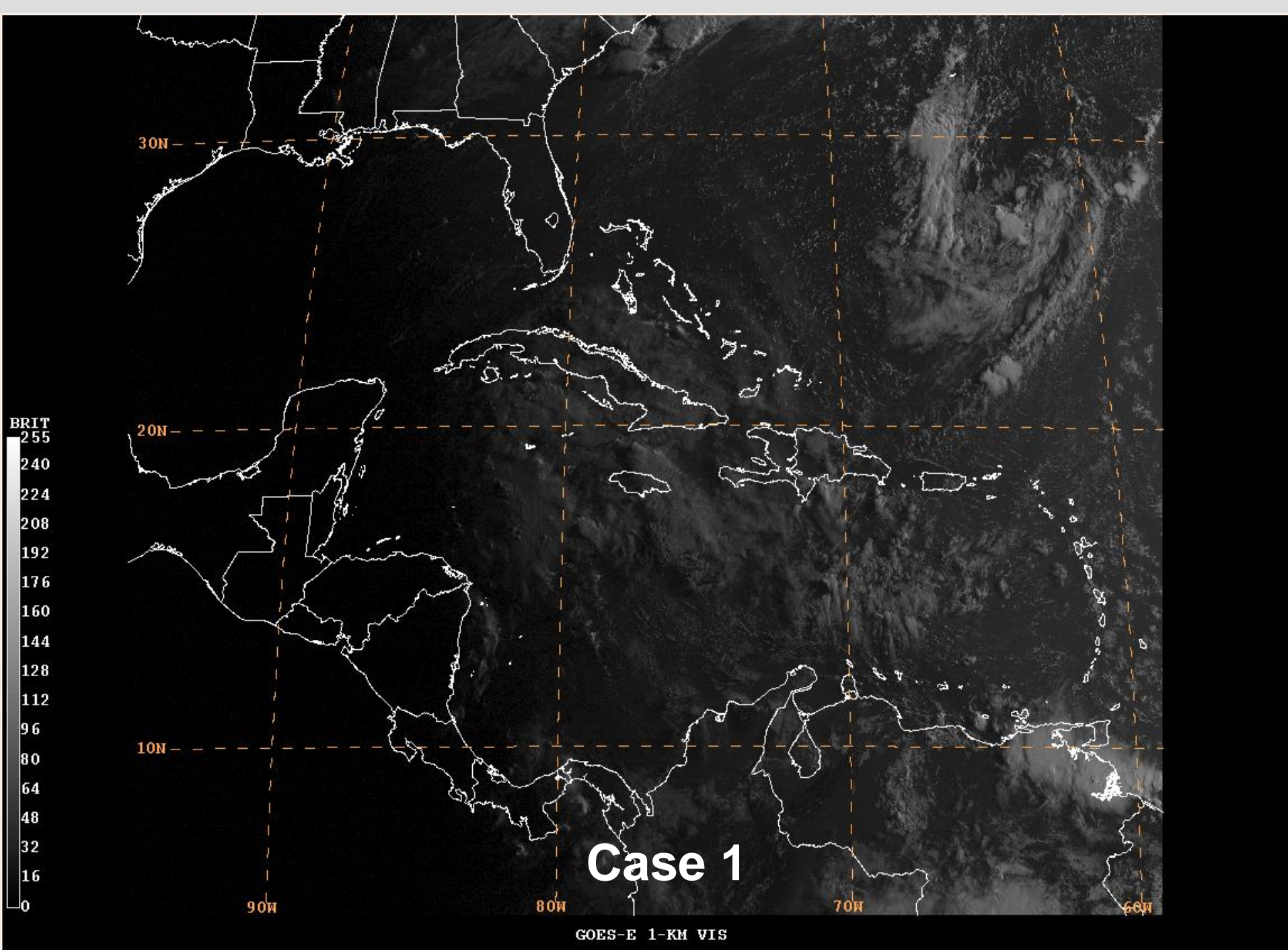
FORECAST EXERCISE

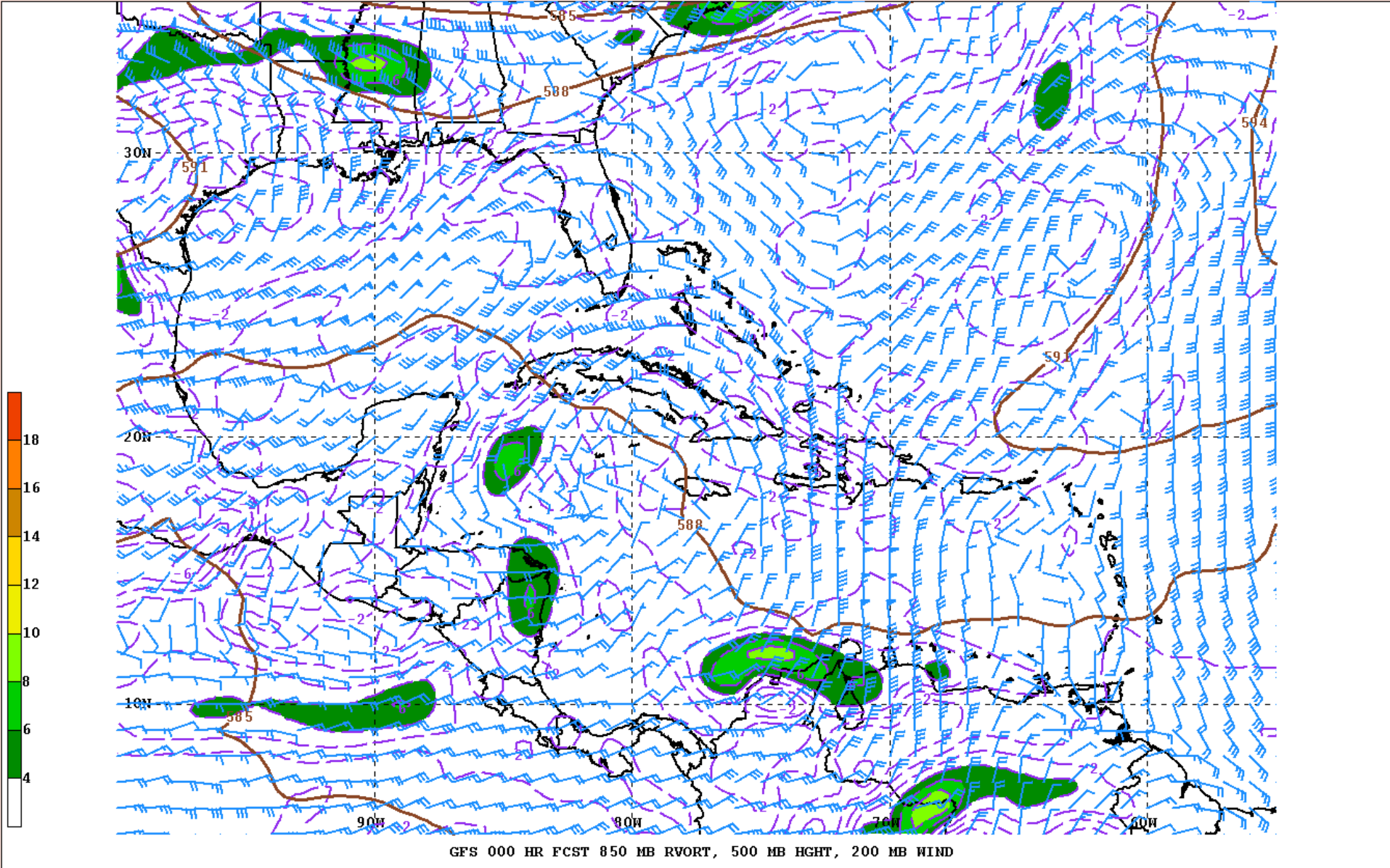
YOU ARE GIVEN 2 CASES (CASE 1 & CASE 2) DURING THE HURRICANE SEASON OF A PRE-EXISTING AREA OF DISTURBED WEATHER (ASSOCIATED WITH A TROPICAL WAVE) OVER THE CENTRAL CARIBBEAN SEA.

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?

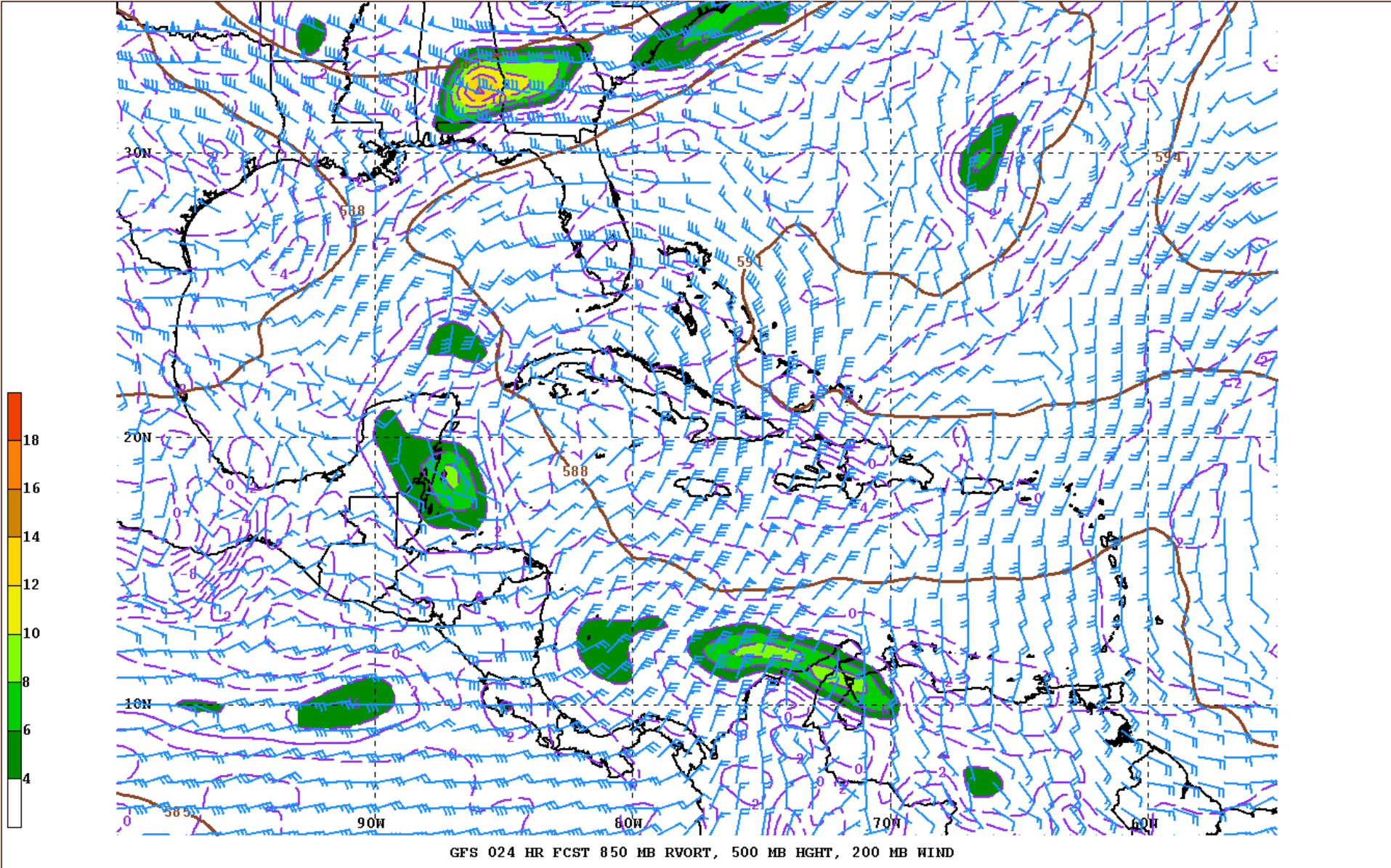






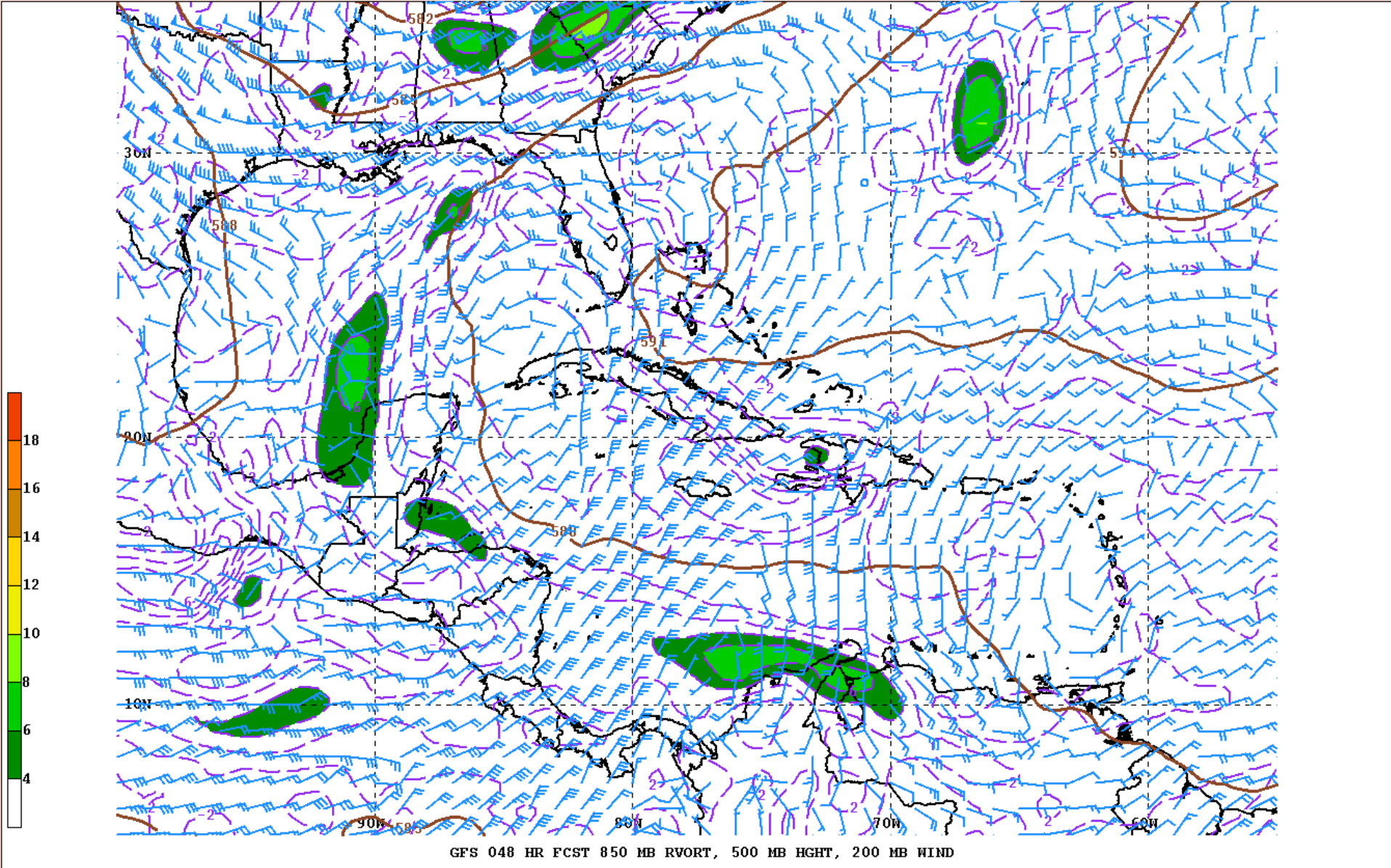
Case 1

GFS 00 h

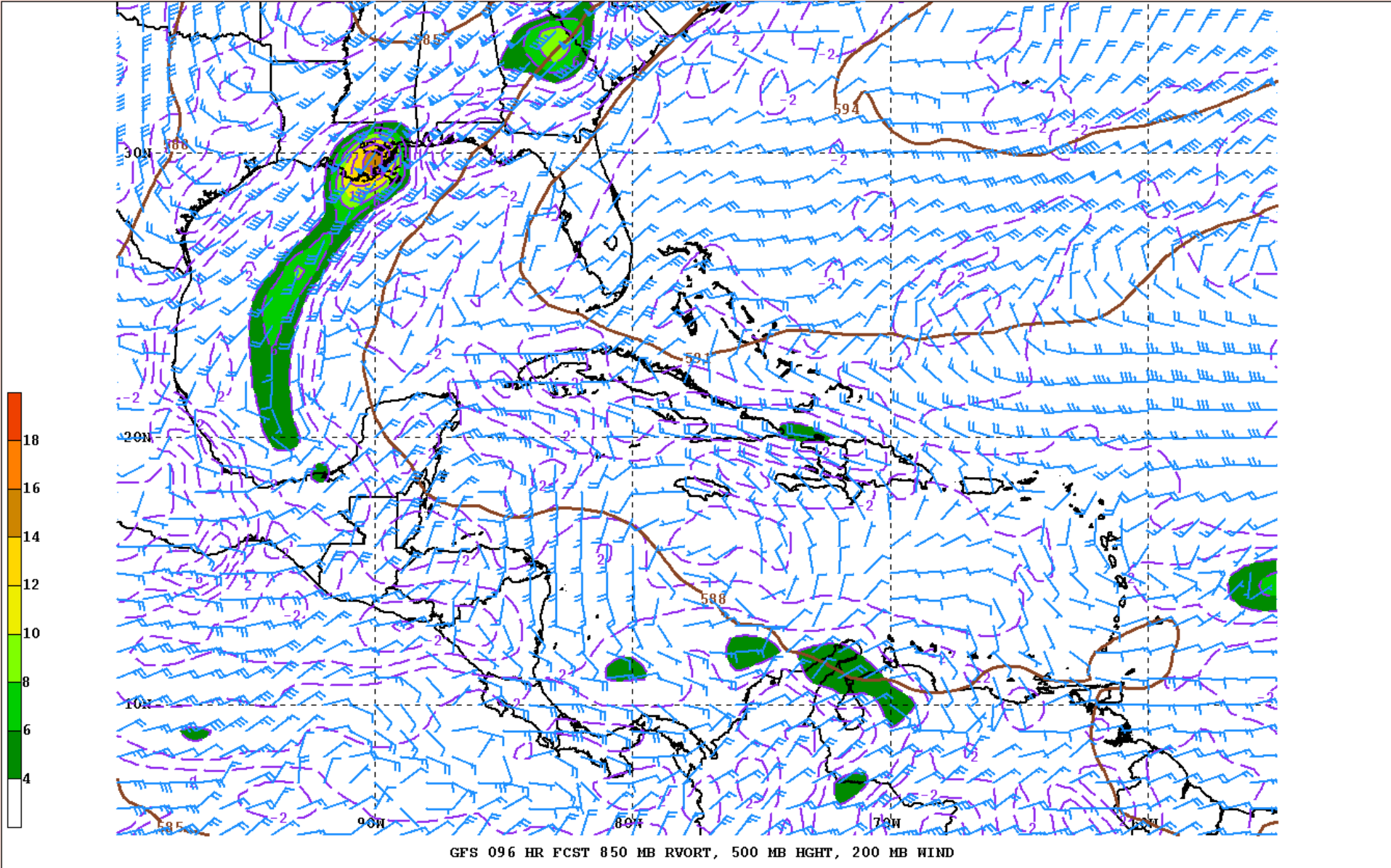


Case 1

GFS 24 h

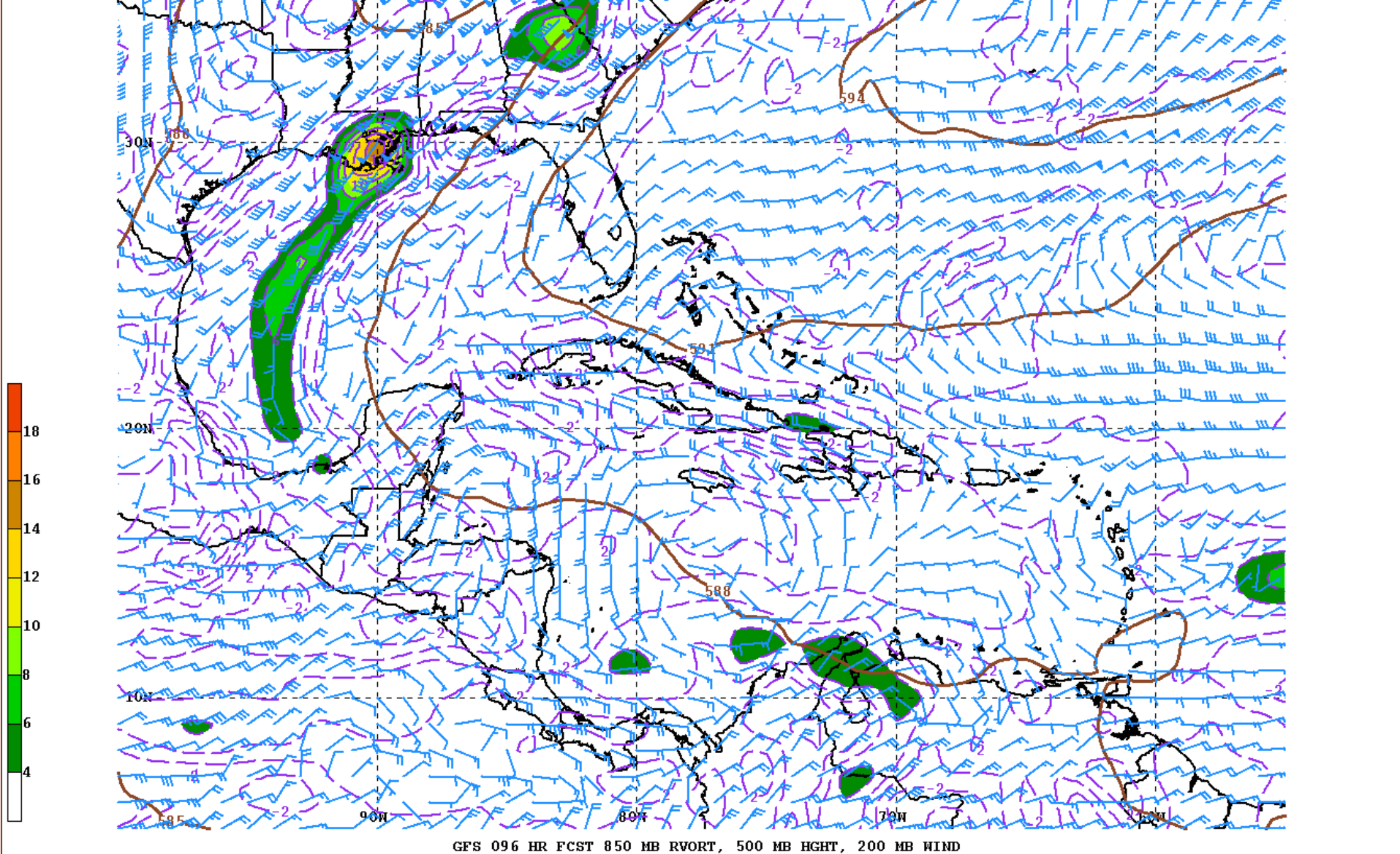


Case 1
GFS 48 h



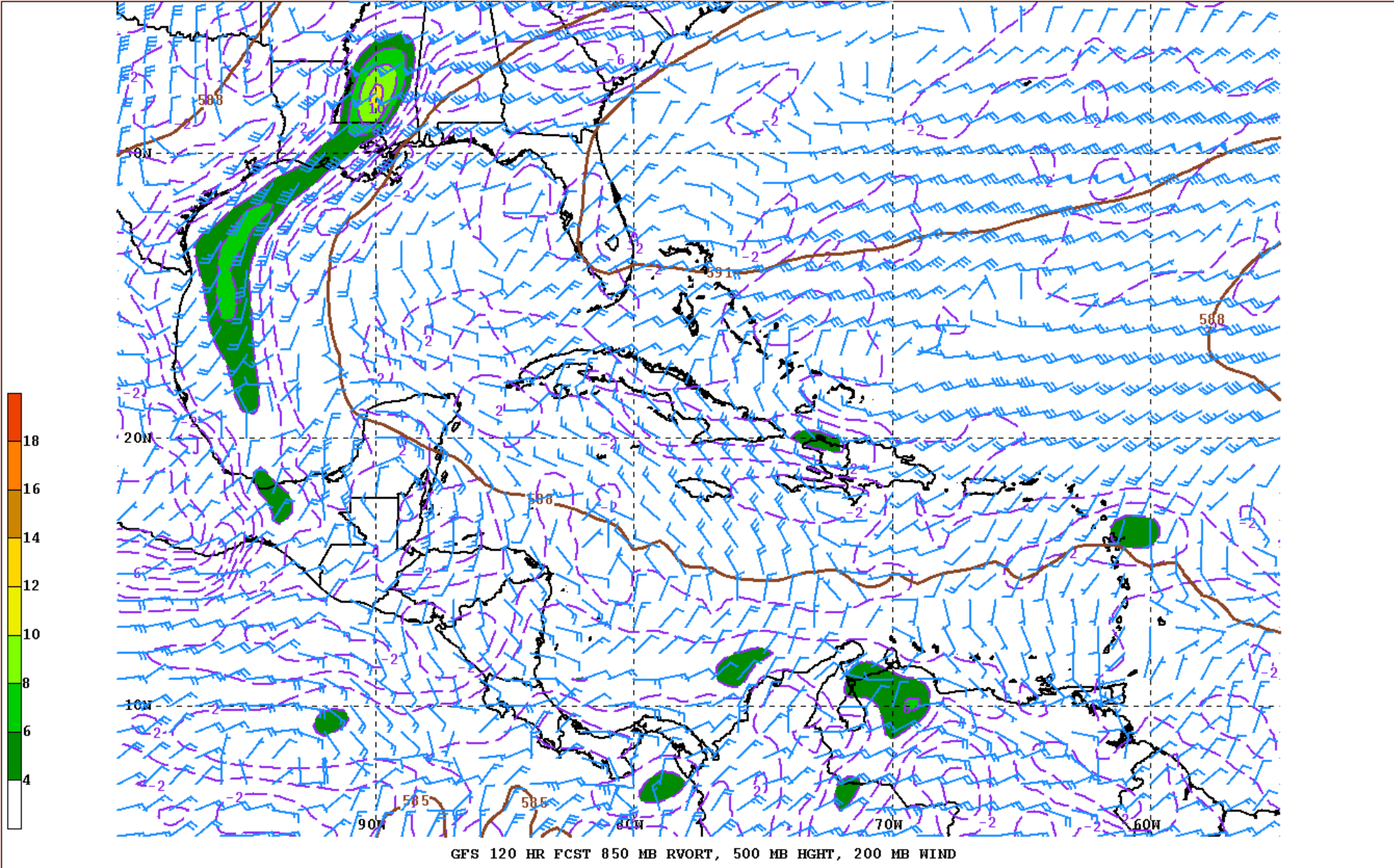
Case 1

GFS 72 h



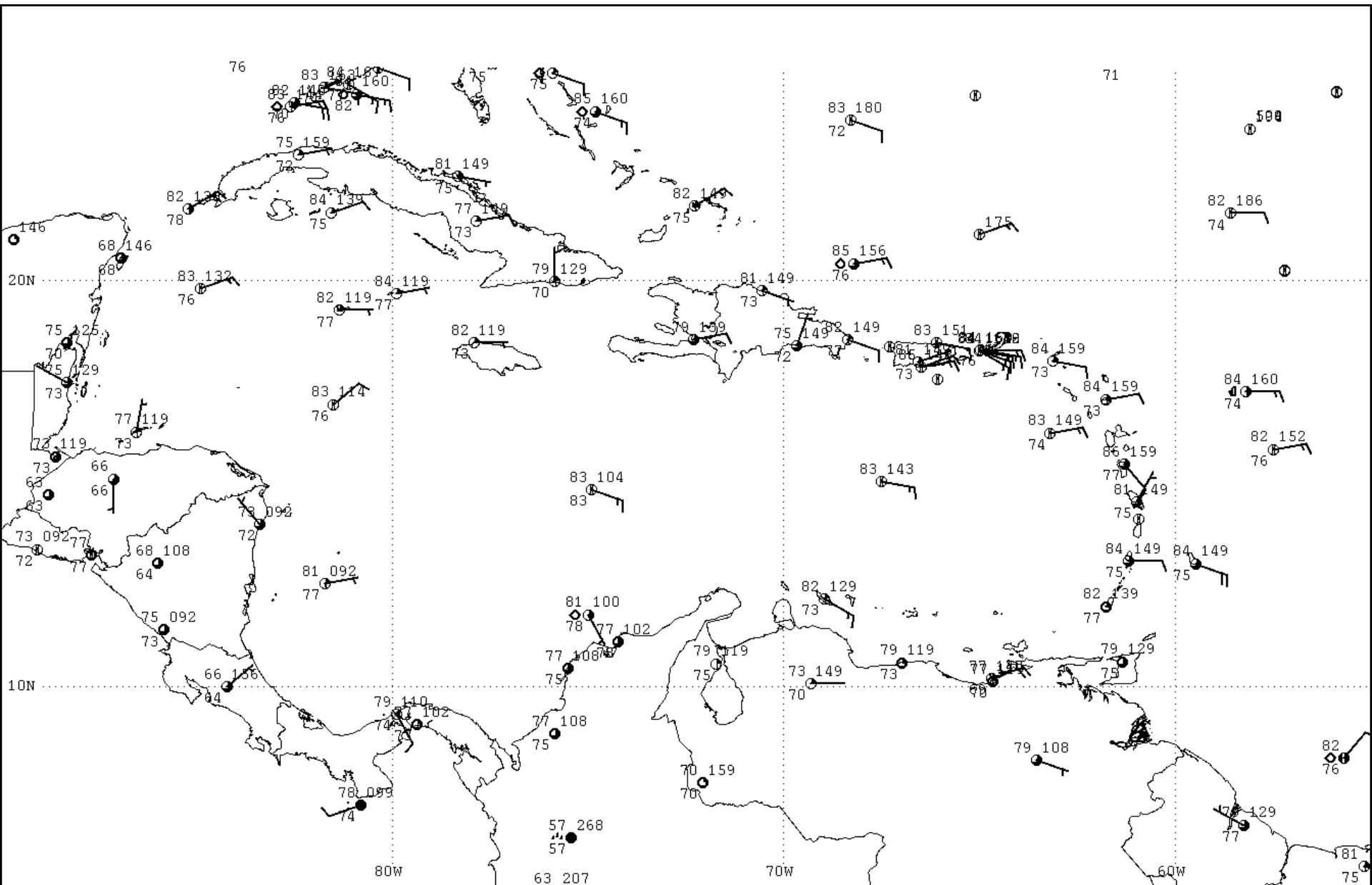
Case 1

GFS 96 h



Case 1

GFS 120 h



Surface Observations Case 1 Time T-24 Hours

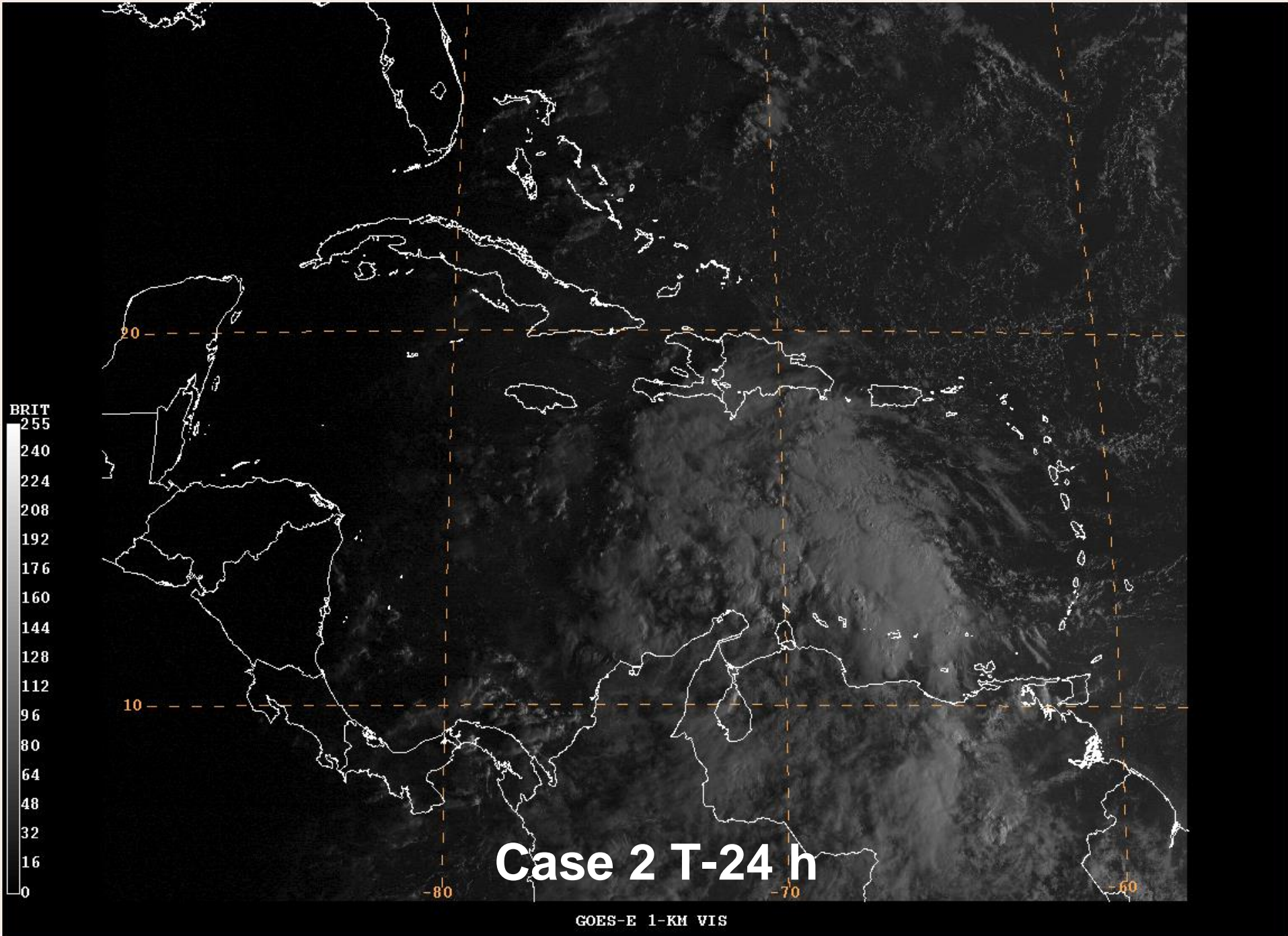
**TROPICAL WEATHER OUTLOOK
NWS NATIONAL HURRICANE CENTER MIAMI FL
200 PM EDT WED AUG 12 2015**

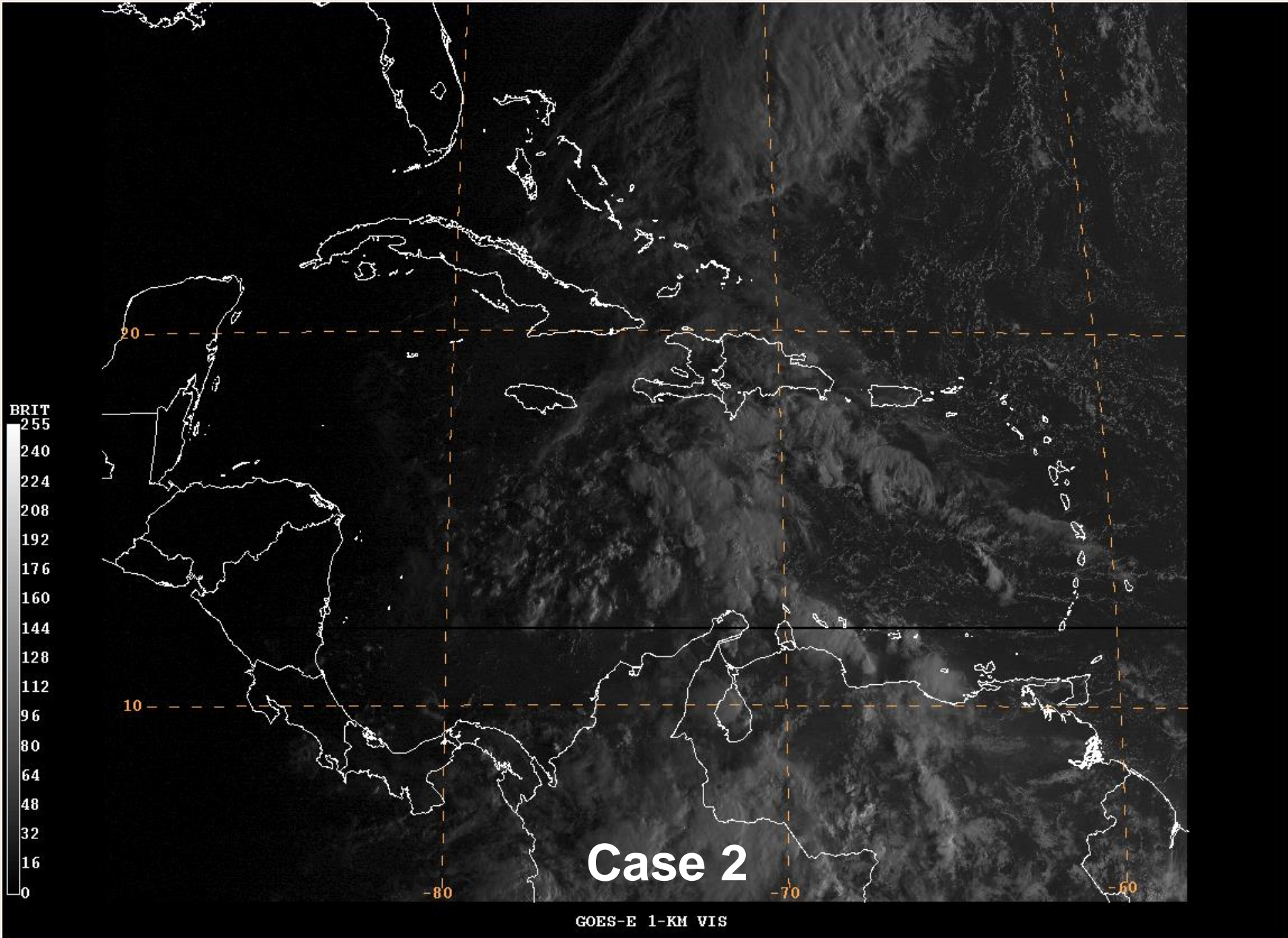
FOR THE NORTH ATLANTIC...CARIBBEAN SEA AND THE GULF OF MEXICO...

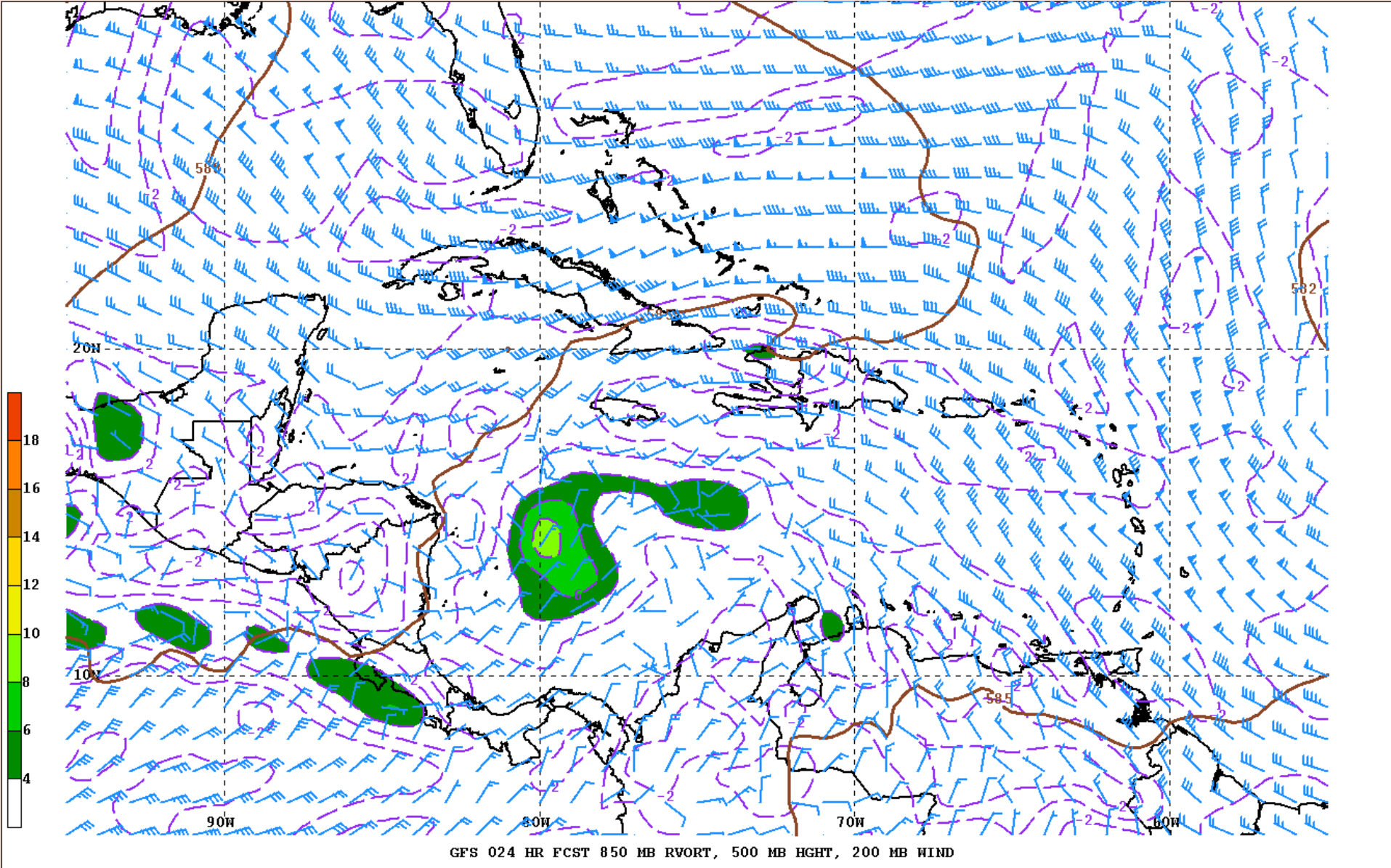
...enter some discussion of the disturbance associated with Case 1 below...

...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.**

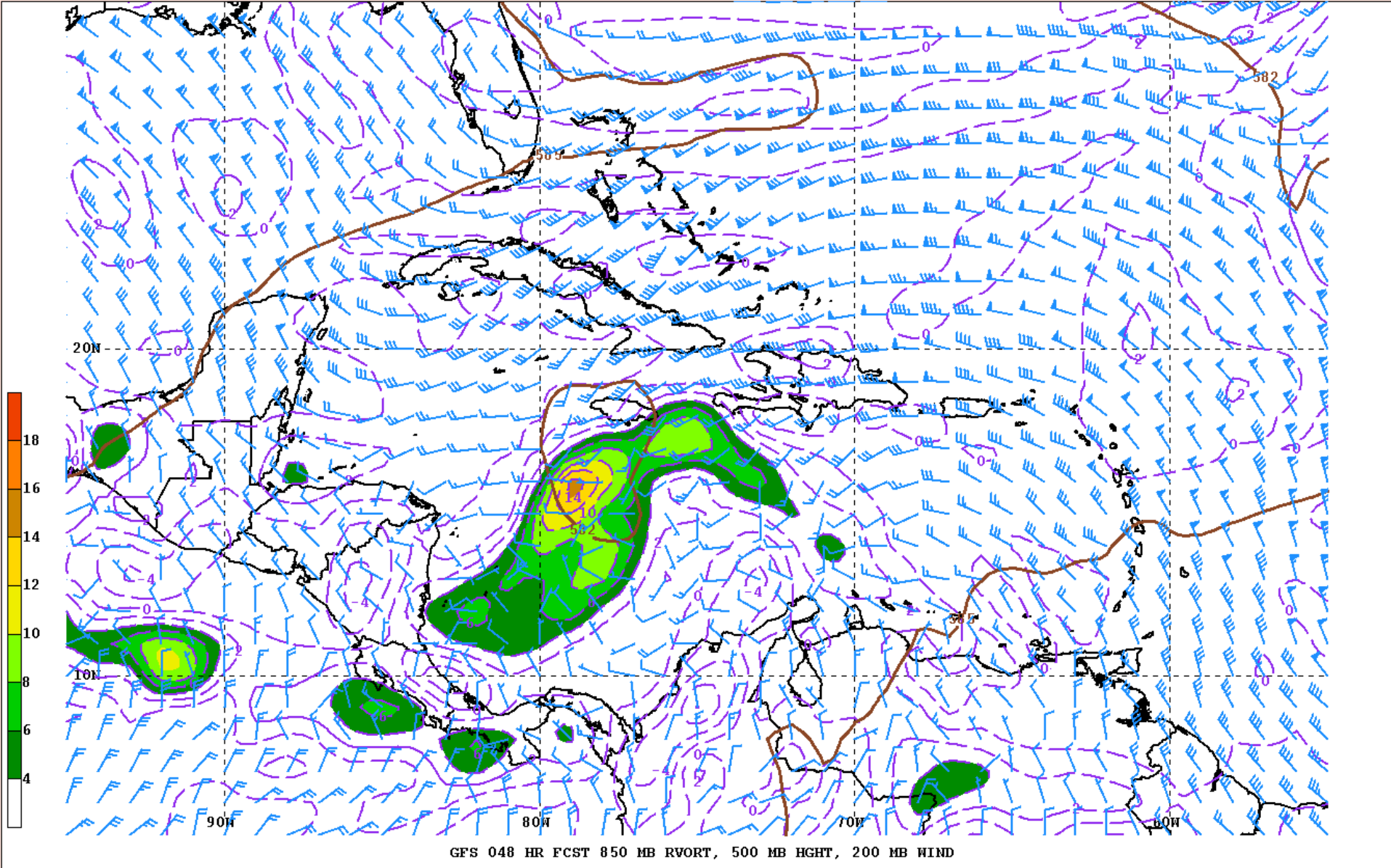






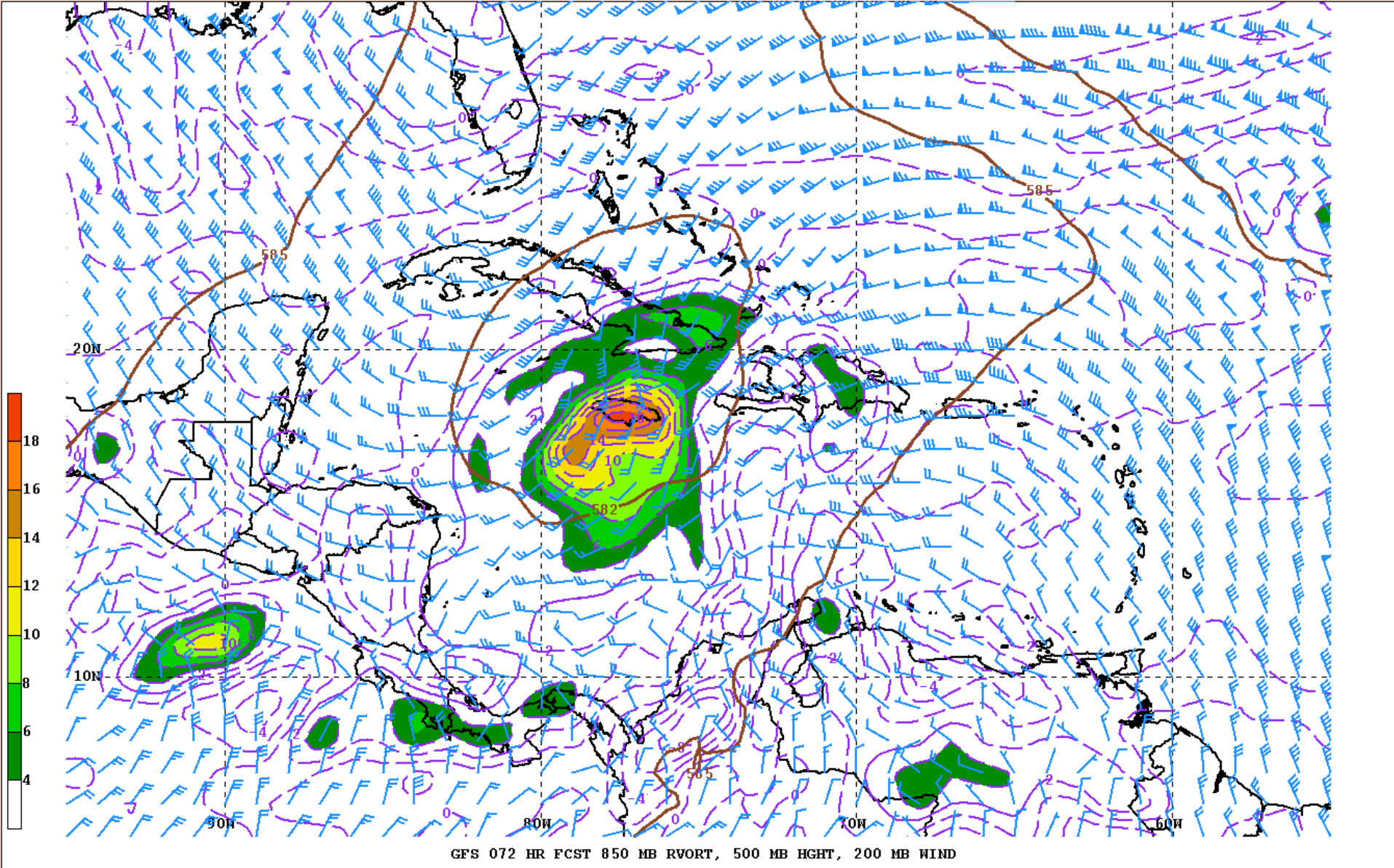
Case 2

GFS 24 h



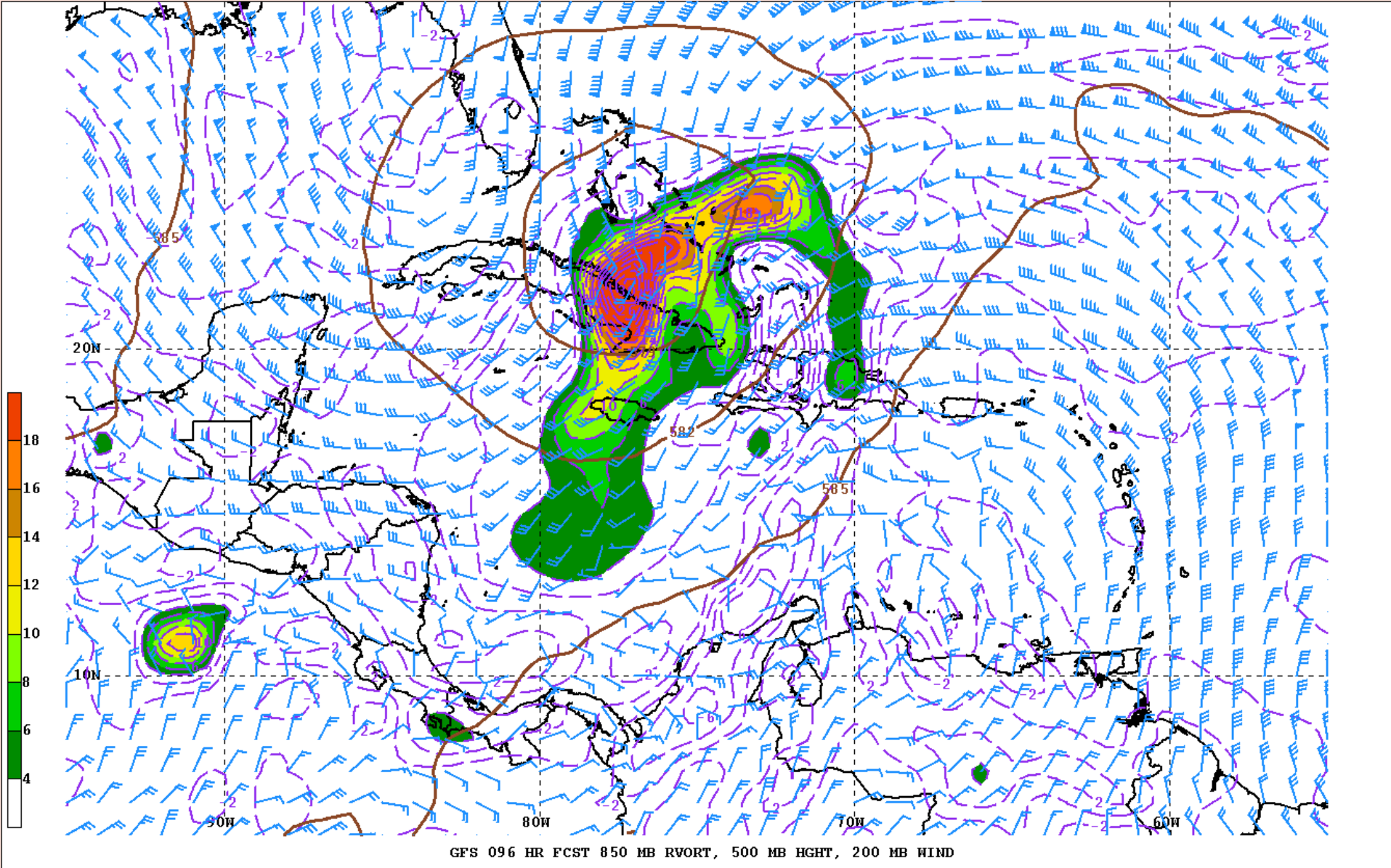
Case 2

GFS 48 h



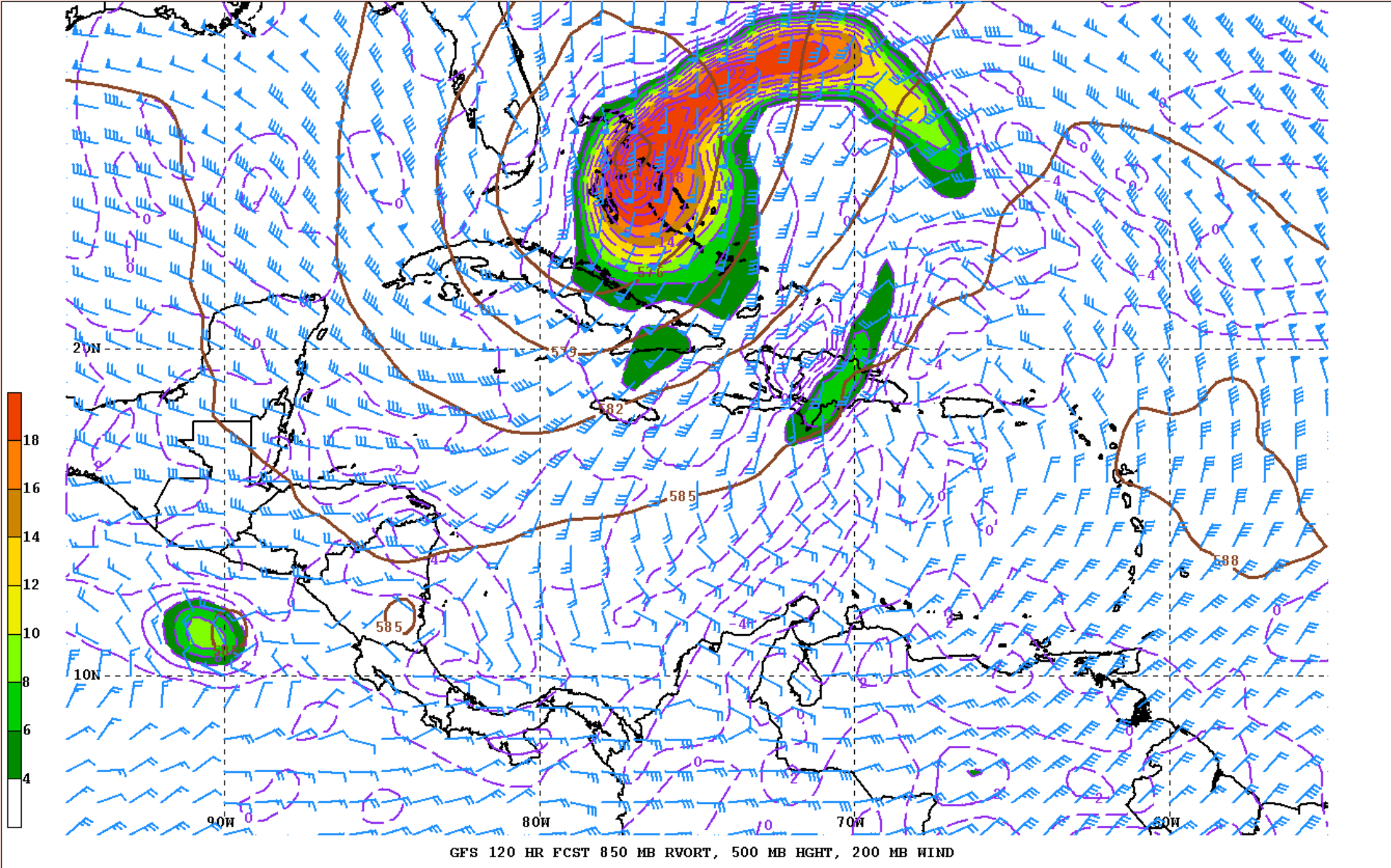
Case 2

GFS 72 h



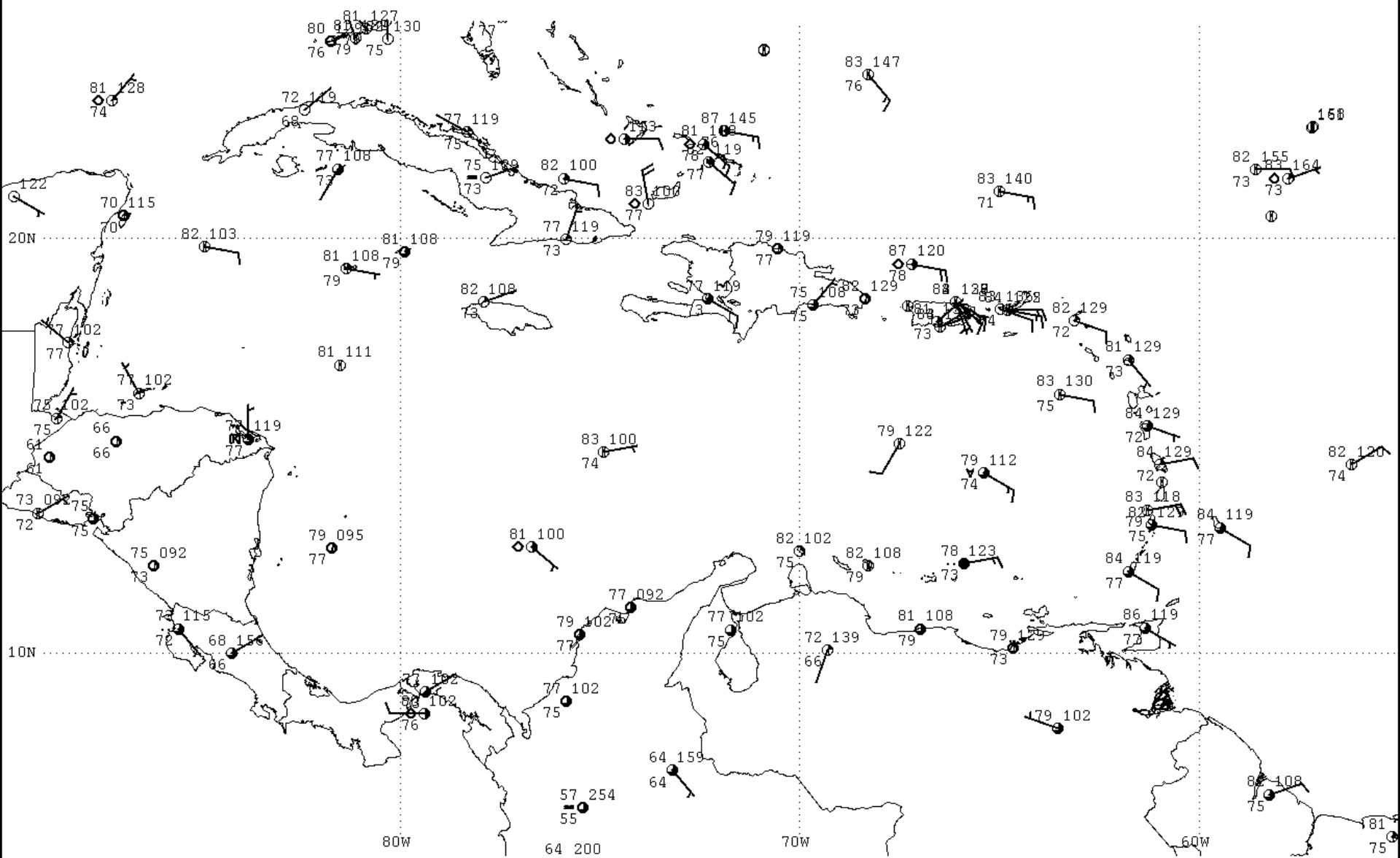
Case 2

GFS 96 h



Case 2

GFS 120 h



Surface Observations Case 2 Time T-24 Hours

**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.**