Initial Situation
00 UTC 22nd

NHC Operational Analysis
03 UTC 22nd
Location: 31.8°N 56.3°W
Intensity: 75 kt
Central Pressure: 970 mb
Movement: NNE 12 kt
Structure

64 KT....... 35NE 35SE 30SW 30NW
50 KT....... 70NE 90SE 60SW 60NW
34 KT.......180NE 200SE 200SW 175NW
12 FT SEAS..400NE 300SE 350SW 350NW
Phase Space Diagram 1
UKMET Analysis through 00 UTC 22nd
Current Status

• How would you describe the cyclone at this point based on the phase space analysis?
UKMET Model Forecasts
Model Initialized at 00 UTC 22\textsuperscript{nd}
Analysis Valid at 00 UTC 22\textsuperscript{nd}

- MSLP and 10-m winds
- 850-mb rel vort and winds
- MSLP, 500-mb height, abs vort and winds
- MSLP and 250-mb winds
Forecast Valid at 12 UTC 22\textsuperscript{nd}
Forecast Valid at 00 UTC 23rd

- MSLP and 10-m winds
- 850-mb rel vort and winds
- MSLP, 500-mb height, abs vort and winds
- MSLP and 250-mb winds
Forecast Valid at 12 UTC 23rd

MSLP and 10-m winds

MSLP, 500-mb height, abs vort and winds

MSLP and 250-mb winds
Forecast Valid at 00 UTC 24th

- MSLP and 10-m winds
- 850-mb rel vort and winds
- MSLP, 500-mb height, abs vort and winds
- MSLP and 250-mb winds
Forecast Valid at 12 UTC 24th

- MSLP and 10-m winds
- 850-mb rel vort and winds
- MSLP, 500-mb height, abs vort and winds
- MSLP and 250-mb winds
Forecast Valid at 00 UTC 25th

- MSLP and 10-m winds
- 850-mb rel vort and winds
- MSLP, 500-mb height, abs vort and winds
- MSLP and 250-mb winds
Forecast Valid at 12 UTC 25th

MSLP and 10-m winds

850-mb rel vort and winds

MSLP, 500-mb height, abs vort and winds

MSLP and 250-mb winds
Forecast Valid at 00 UTC 26th

- MSLP and 10-m winds
- 850-mb rel vort and winds
- MSLP, 500-mb height, abs vort and winds
- MSLP and 250-mb winds
UKMET Forecast

- When does ET begin?

- When does ET end?