

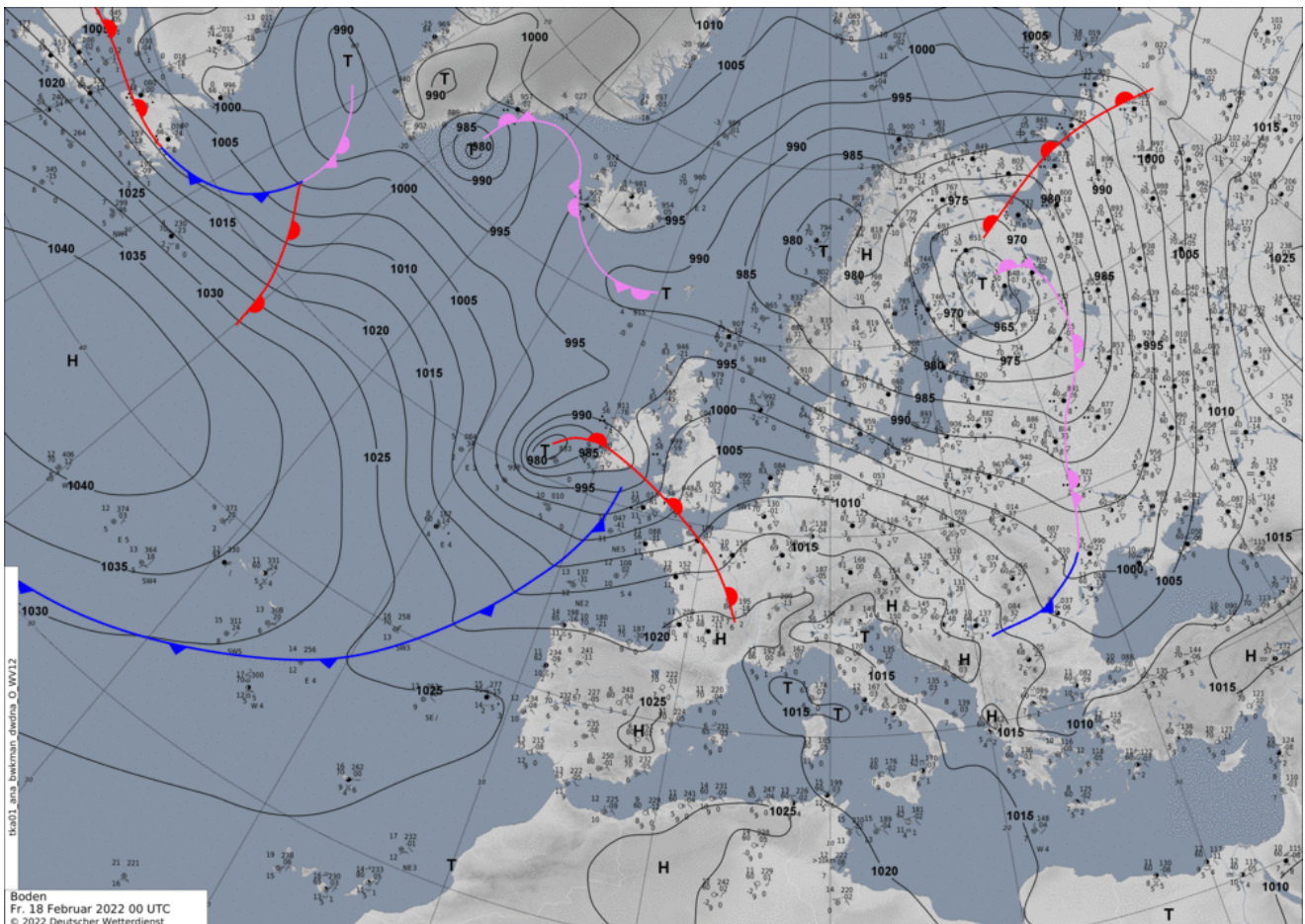
STORM EUNICE 18th FEBRUARY 2022

Storm Eunice hit the southern half of the UK on the 18th of February 2022.

IMPACTS

- Wind speeds reached a maximum of 122 mph on the Isle of Wight.
- 400,000 homes were left without power.
- Stay at home warnings were put in place and schools were closed.
- Over 400 flights were cancelled, along with ferry crossings and many trains.
- The Severn and Humber bridges were closed.
- Trees were blown down, homes damaged, part of the Millennium Dome roof was torn off and 3 people were killed.
- Total insurance damage cost is estimated at £200 - £350 millions.
- Over the course of only a week 3 named storms crossed the UK; Dudley, then Eunice, followed by Franklin which had more impact on Lancashire, the Pennines and Yorkshire.
- Increasing levels of ground saturation meant that overland flow and flooding increased over the 3 storms.

WEATHER MAP FOR 18/2/22



- This map shows Storm Eunice approaching the British Isles with the low centered just to the west of Southern Ireland.
- The warm front stretches from there across SW England into France.
- The cold front has detached from the warm front, the process of Frontal Fracture usually associated with the Shapiro-Keyser model of extreme cyclone (depression) development.
- This gives us the typical T Bone frontal structure often found with Sting Jet formation.
- The Sting Jet usually forms just south of the low center in the gap between the warm and cold fronts.