

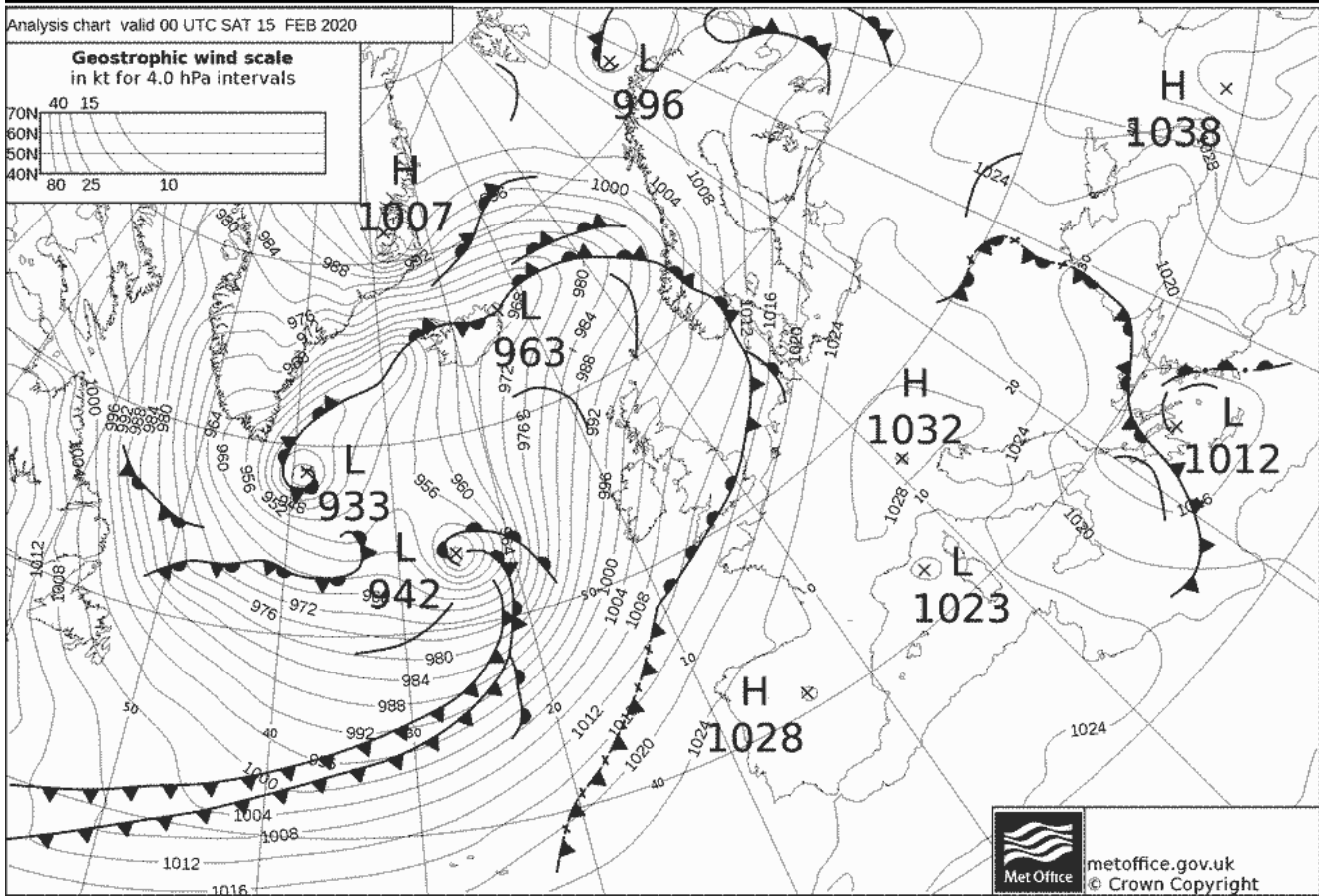
STORM DENNIS FEBRUARY 2020 : THE RAINFALL / STORM EVENT

- 3 notable storms hit South Wales in Feb 2020
- Ciara 8th - 9th
- Dennis 15th - 17th
- Jorge 26th - 1st March

- Very heavy rainfall
- High total mm
- High intensity mm/hr
- River Wye upper catchment received 60mm in 18hrs and 88mm in 72 hrs
- The Brecon Beacons received 158mm in 3 days

- Caused by an intense occluding depression and fronts as seen on the weather map

- 2nd strongest storm ever to hit UK
- Lowest pressure recorded was 920mb
- Rapidly deepening cyclone/depression



- Driven west to east by a very strong and powerful Jet Stream of 240mph
- Forming an express lane for the depression / cyclone and its associated fronts
- A trailing cold front brought a plume of warm, moist tropical air from the south west, feeding the rainfall of the system
- The produced a so called Atmospheric River of warm, moist, precipitation producing air

- Winds up to 90mph, hurricane strength

- 80 ft waves on the west coast of UK