

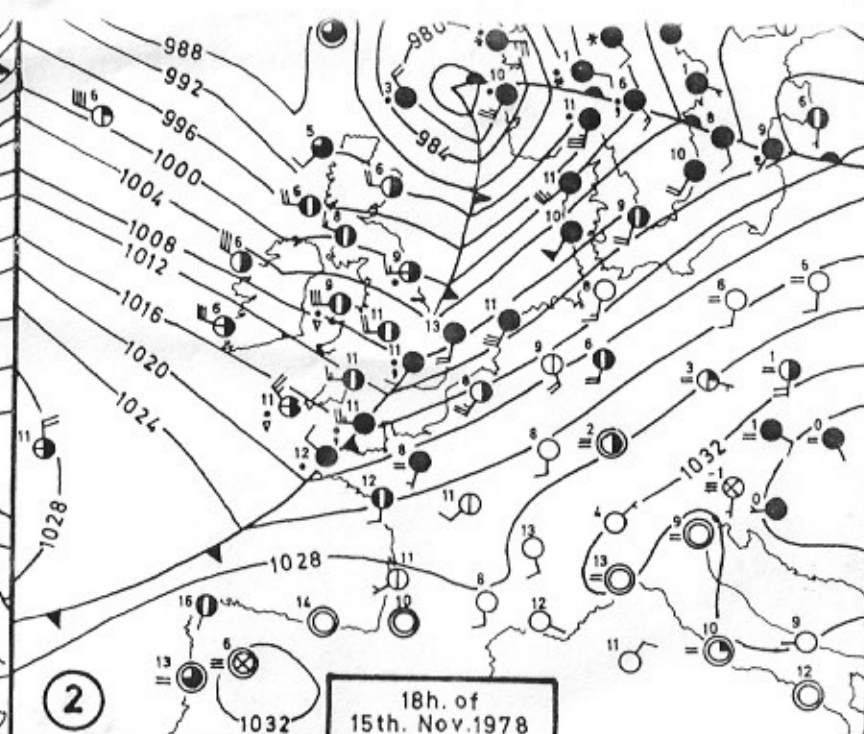
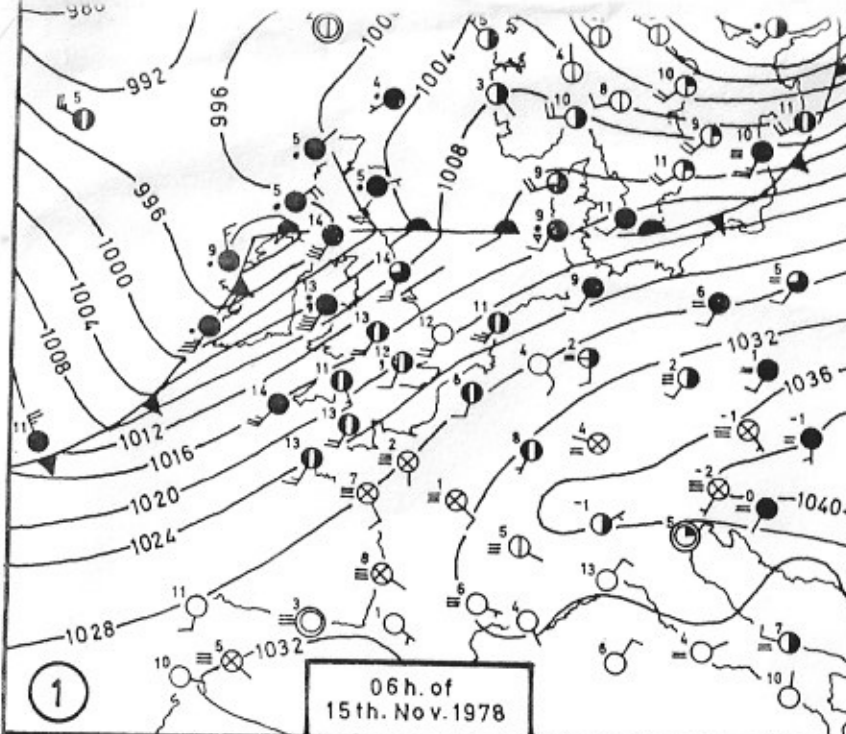
24 Hr NOVEMBER DEPRESSION SEQUENCE

Study the sequence of weather maps / synoptic charts of Europe covering a 24hr period in November from 0600 hrs on 15th to 0600 hrs on 16th. The maps show the passage of an occluding depression over the British Isles into Scandinavia.

1. Map 1. Most of the British Isles is in the warm sector of a depression experiencing a maritime Tropical airstream. Describe and explain the weather experienced in the British Isles on this day.

2. Map 2. A cold front sits over England and most of the north west is in a maritime Polar airstream coming from the west and north west. Describe and explain the weather in the north west of the British Isles and why it is so different from that in the south east.

3. Maps 1-3
 - Look at the weather in North Wales. Describe and explain the changes over the 24 hr period.
 - Look at the weather reported over northern Spain and southern Europe. Why are light winds / calm conditions and mist / fog shown on all 3 maps?



KEY TO SYMBOLS

CLOUD		WIND		WEATHER	
Symbol	Amount Oktas	Symbol	Speed Knots	Symbol	Weather
○	0	⊙	Calm	=	Mist
⊖	1 or less	⊙	1-2	≡	Fog
◐	2	⊙	3-7	⋮	Drizzle
◑	3	⊙	8-12	•	Rain
◒	4	⊙	13-17	*	Snow
◓	5	For each additional half-feather add 5 knots	48-52	⋄	Rain shower
◔	6				
◕	7 or more				
◖	8				
⊗	Sky obscured				

