

## WEATHER IN A FRONTAL DEPRESSION

### *Normal frontal characteristics*

<i>Element</i>	<i>in advance</i>	<i>at the passage</i>	<i>in the rear</i>
<u>WARM FRONT</u>			
pressure	steady fall	fall arrested	little change or slow fall
wind	backing and increasing	veer and decrease	steady direction
temperature	steady, or slow rise	rise	little change
dew-point	rise in precipitation	rise	steady
relative humidity	rise in precipitation	may rise further if not already saturated	little change; may be saturated
cloud	Ci, Cs, As, Ns, in succession; St fra, Cu fra below As and Ns	low Ns and St fra	St or Sc may persist; perhaps some Ci
weather	continuous rain (or snow)	precipitation almost or completely stops	dry, or intermittent slight precipitation
visibility	good except in rain (or snow)	poor, often mist or fog	usually moderate or poor; mist or fog may persist

### COLD FRONT

pressure	fall	sudden rise	rise continues more slowly
wind	backing and increasing, becoming squally	sudden veer, perhaps squall	backing a little after squall, then fairly steady or veering further in later squalls
temperature	steady, but fall in pre-frontal rain	sudden fall	little change; variable in showers
dew-point	little change	sudden fall	little change
relative humidity	may rise in pre-frontal precipitation	remains high in precipitation	rapid fall as rain (or snow) ceases; variable in showers
cloud	St or Sc, Ac, As then Cb	Cb with St fra, Cu fra or very low Ns	lifting rapidly, followed for a short period by As, Ac and later further Cu or Cb
weather	usually some rain perhaps thunder	heavy rain (or snow) perhaps thunder and hail	heavy rain (or snow) for usually short period, but sometimes more persistent; then fine but followed by further showers
visibility	moderate or poor, perhaps fog	temporary deterioration followed by rapid improvement	very good