

### AREAS OF DIFFERENT TEMPERATURE



#### Polar Maritime Air Mass

From: Greenland / Arctic Sea Wet, cold air brings cold showery weather.

#### Returning Polar Maritime

From: Greenland / Arctic
via North Atlantic
Moist, mild and unstable air bringing
cloud and rain showers.

#### Tropical Maritime Air Mass

From: Atlantic
Warm, moist air brings cloud, rain and mild weather.

#### Arctic Maritime Air Mass

From: Arctic Wet, cold air brings snow in winter.

#### Polar Continental Air Mass

From: Central Europe

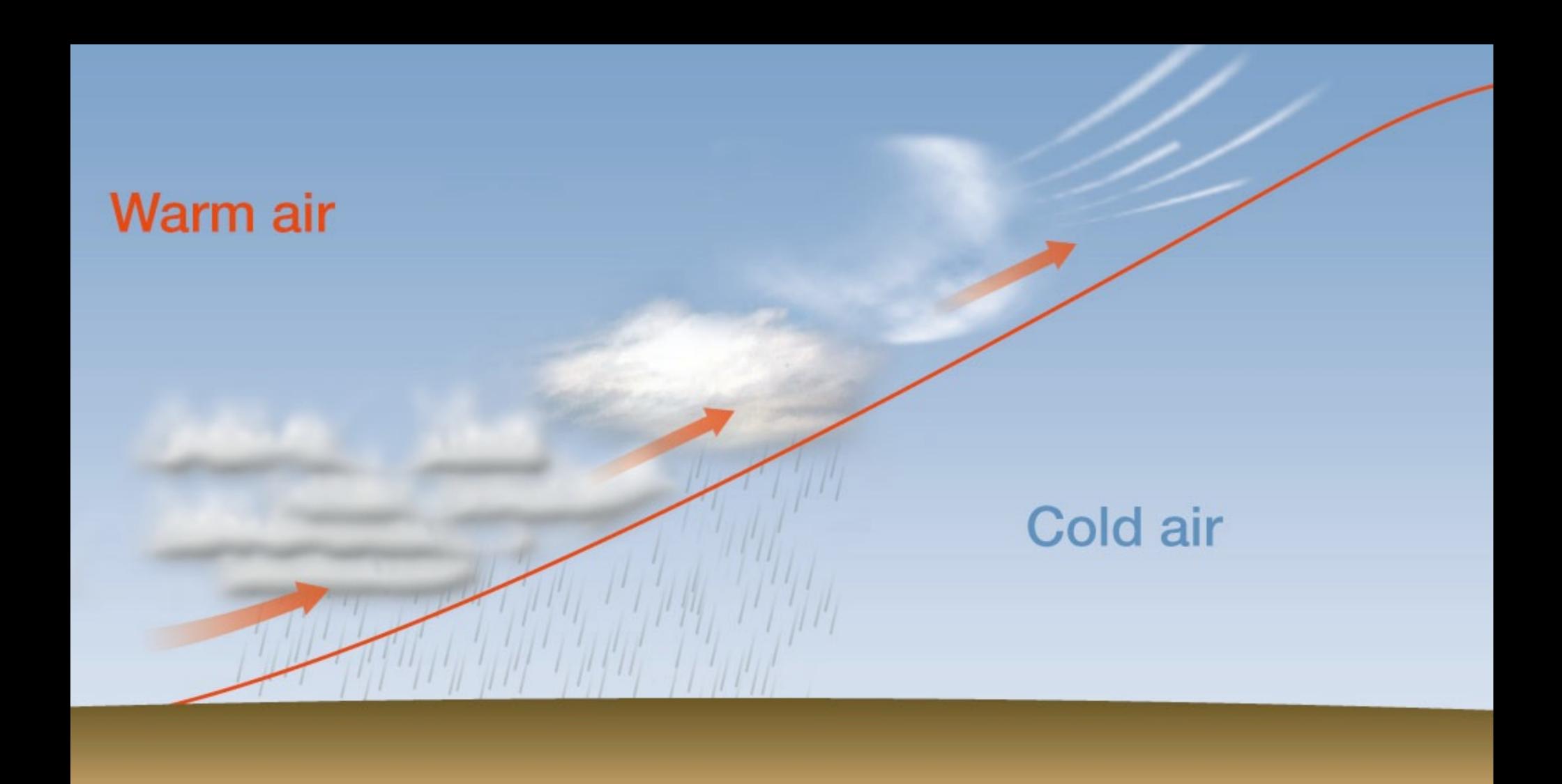
Hot air brings dry summers.

Cold air brings snow in winter.

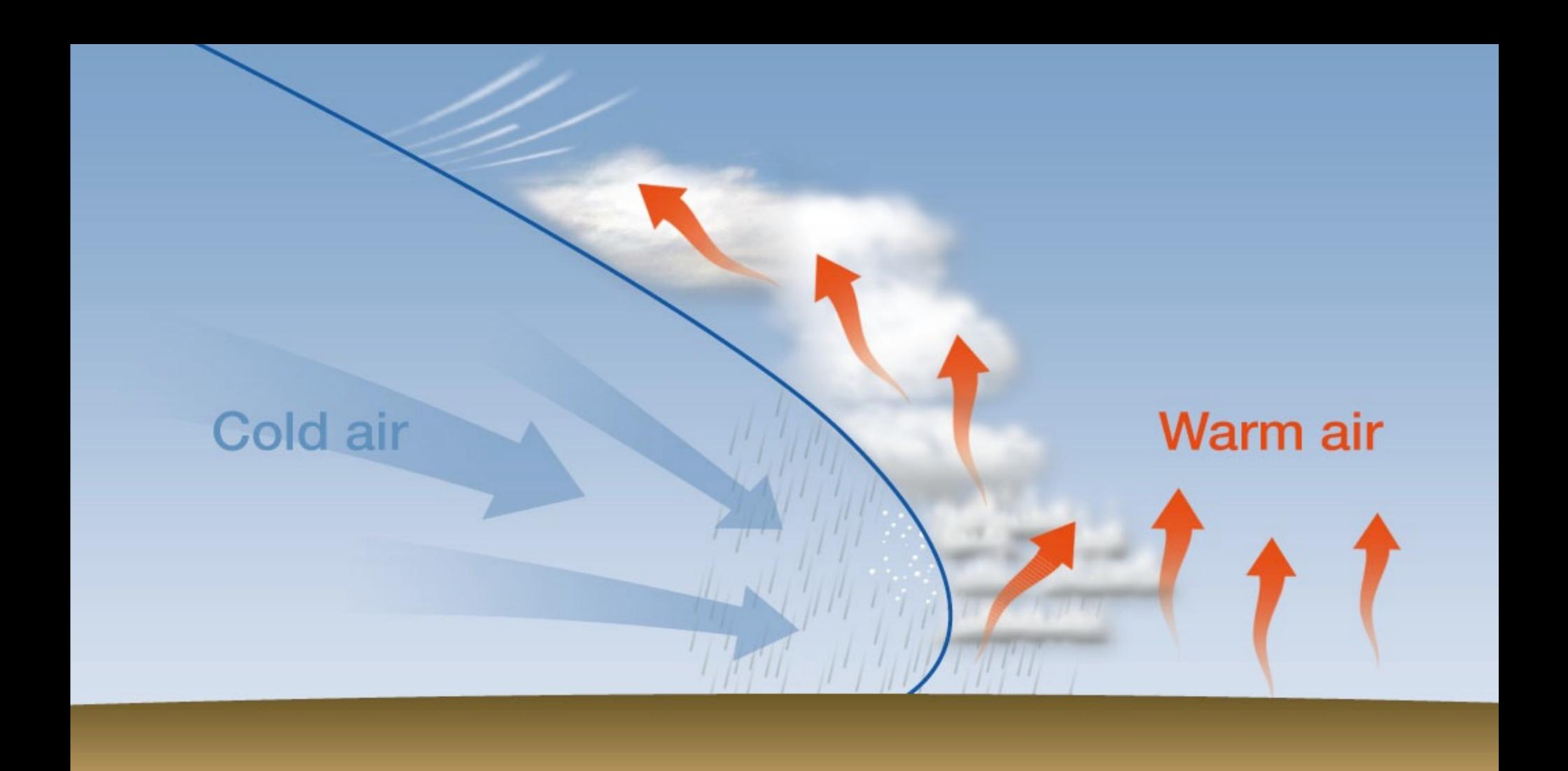
#### Tropical Continental Air Mass

From: North Africa Hot, dry air brings hot weather in summer.

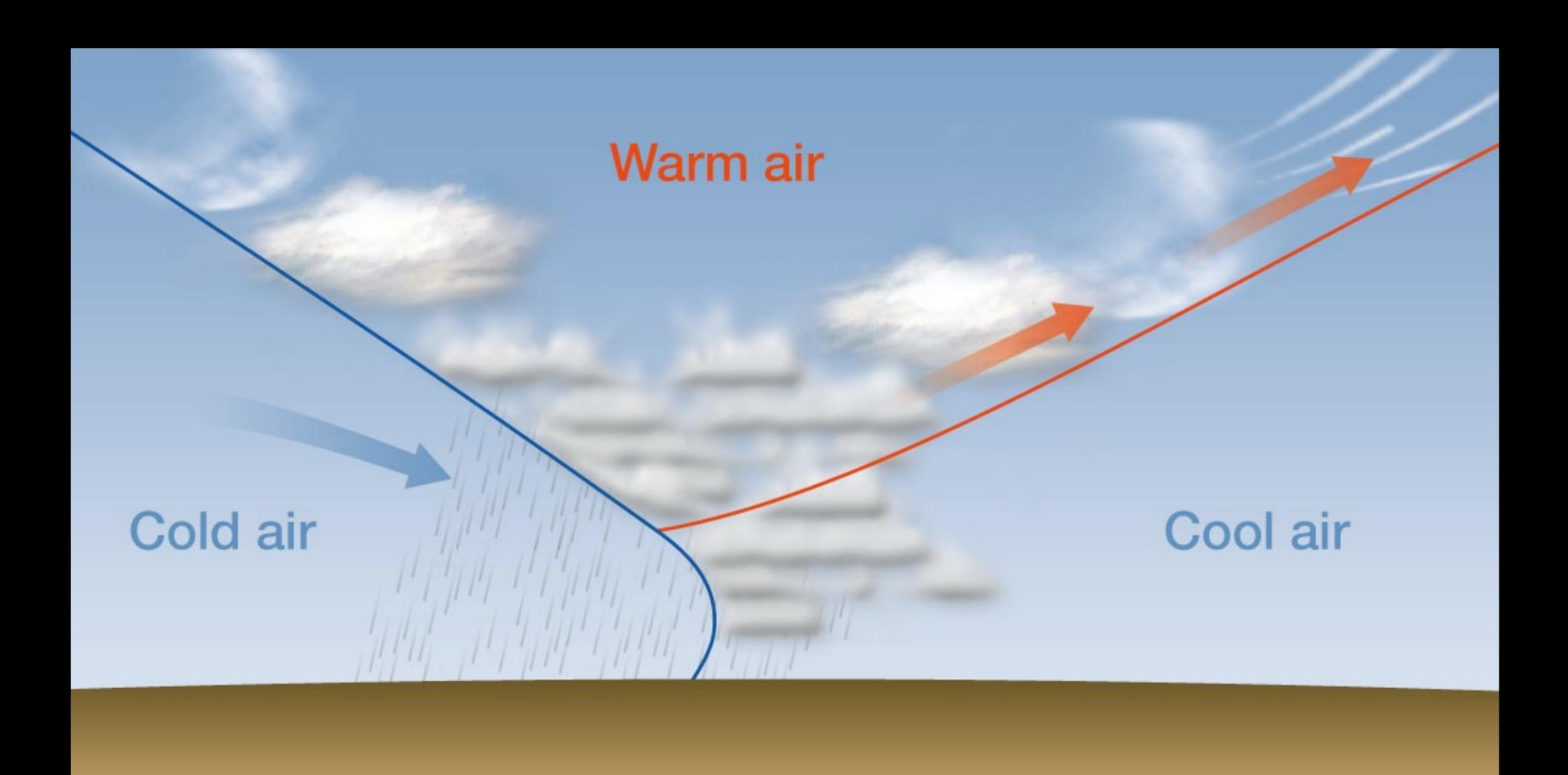
#### AIR MASSES AFFECTING THE UK



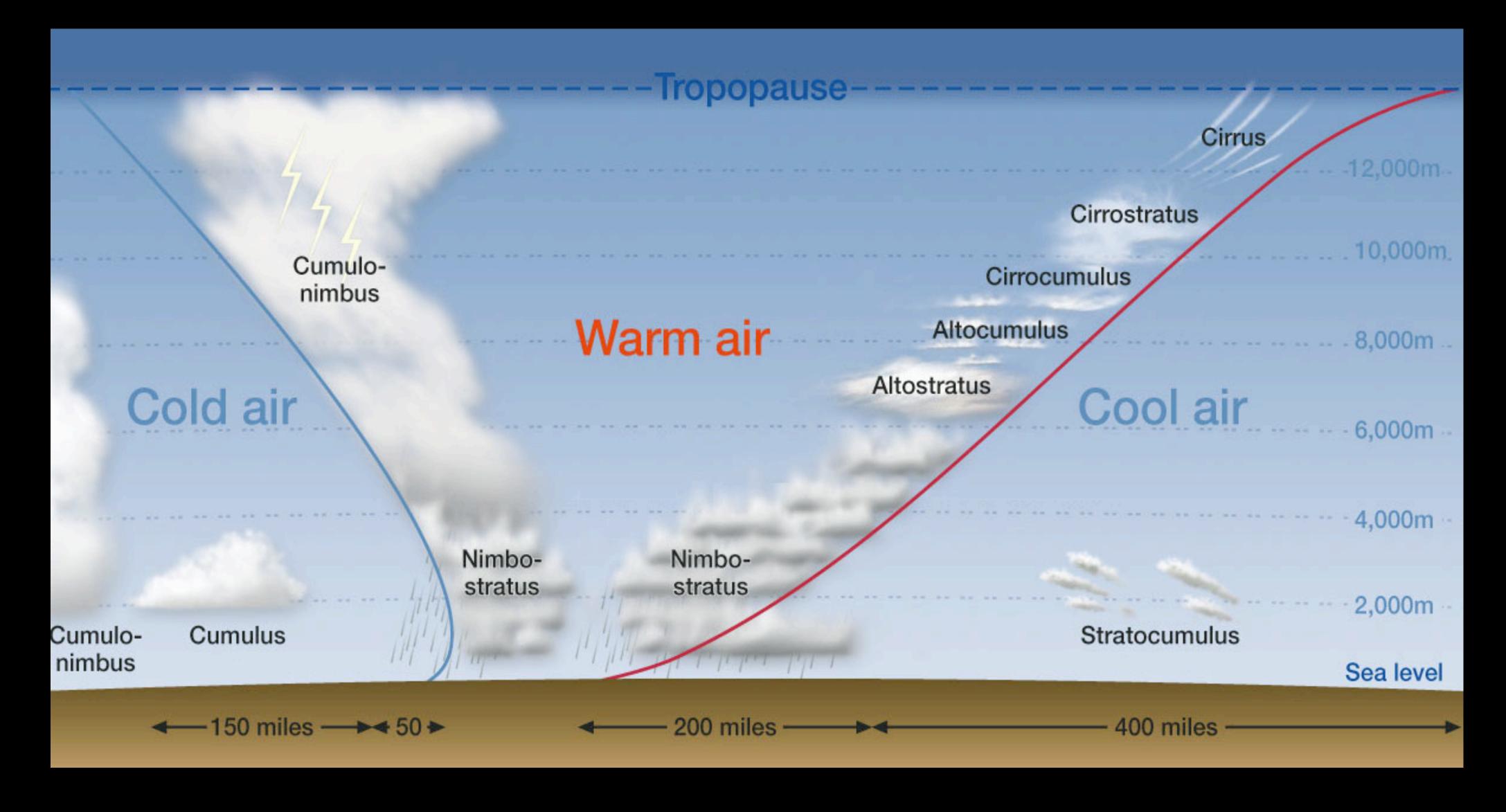
## WARM FRONT



# COLD FRONT

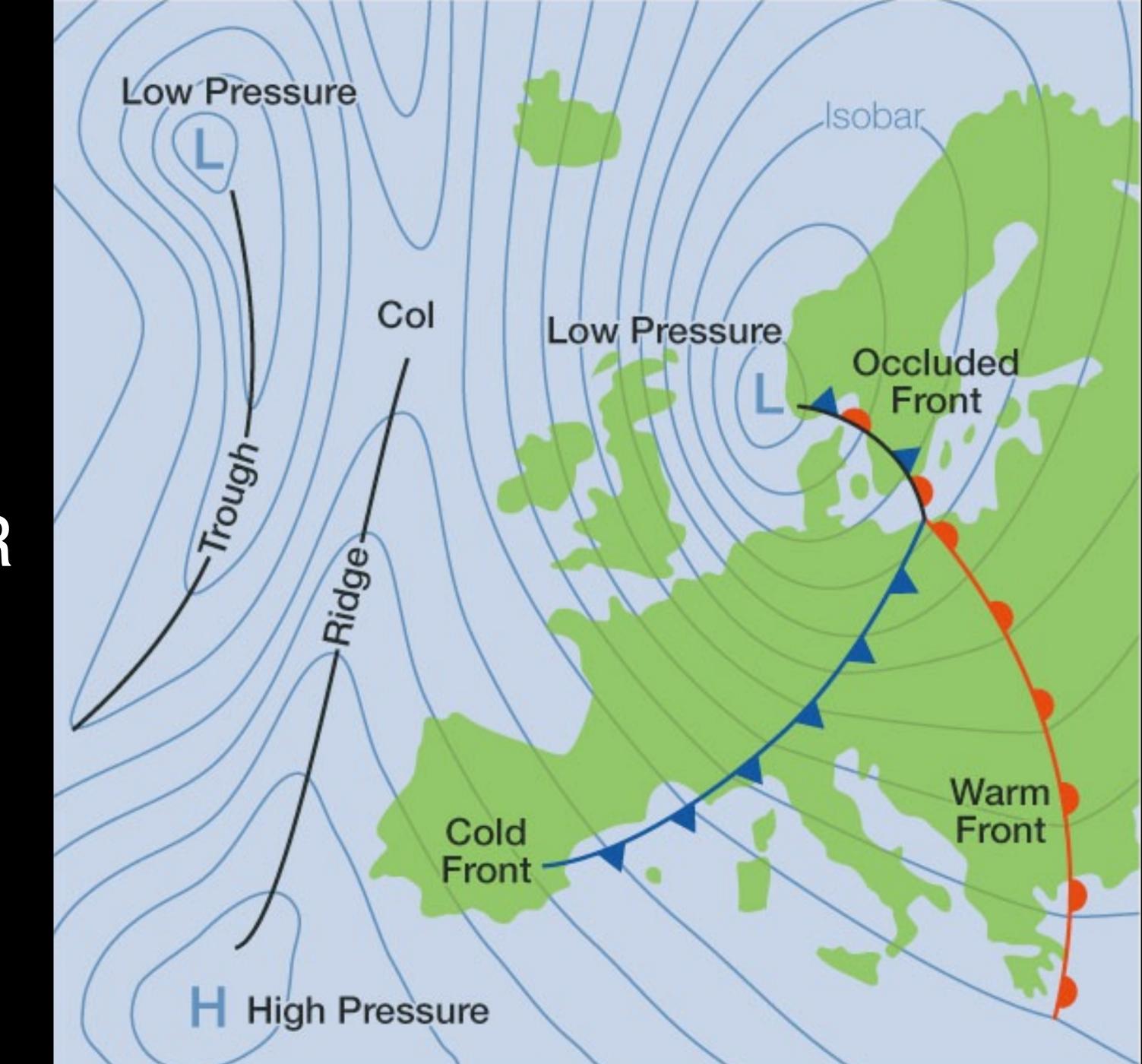


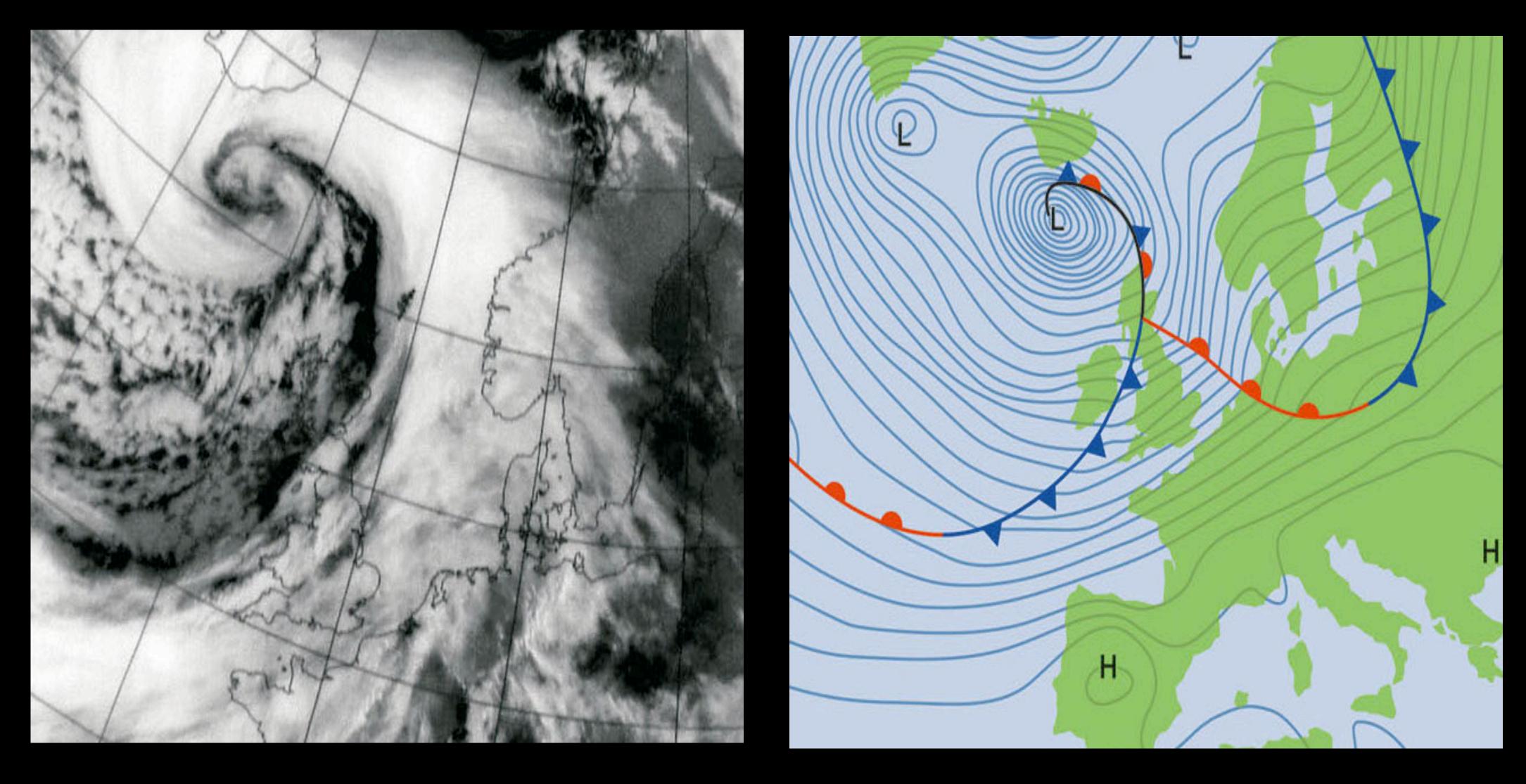
### OCCLUDED FRONT



### FRONTAL CLOUDS

### SYNOPTIC MAPS/WEATHER CHARTS





# SATELLITE IMAGE OF A LOW PRESSURE SYSTEM

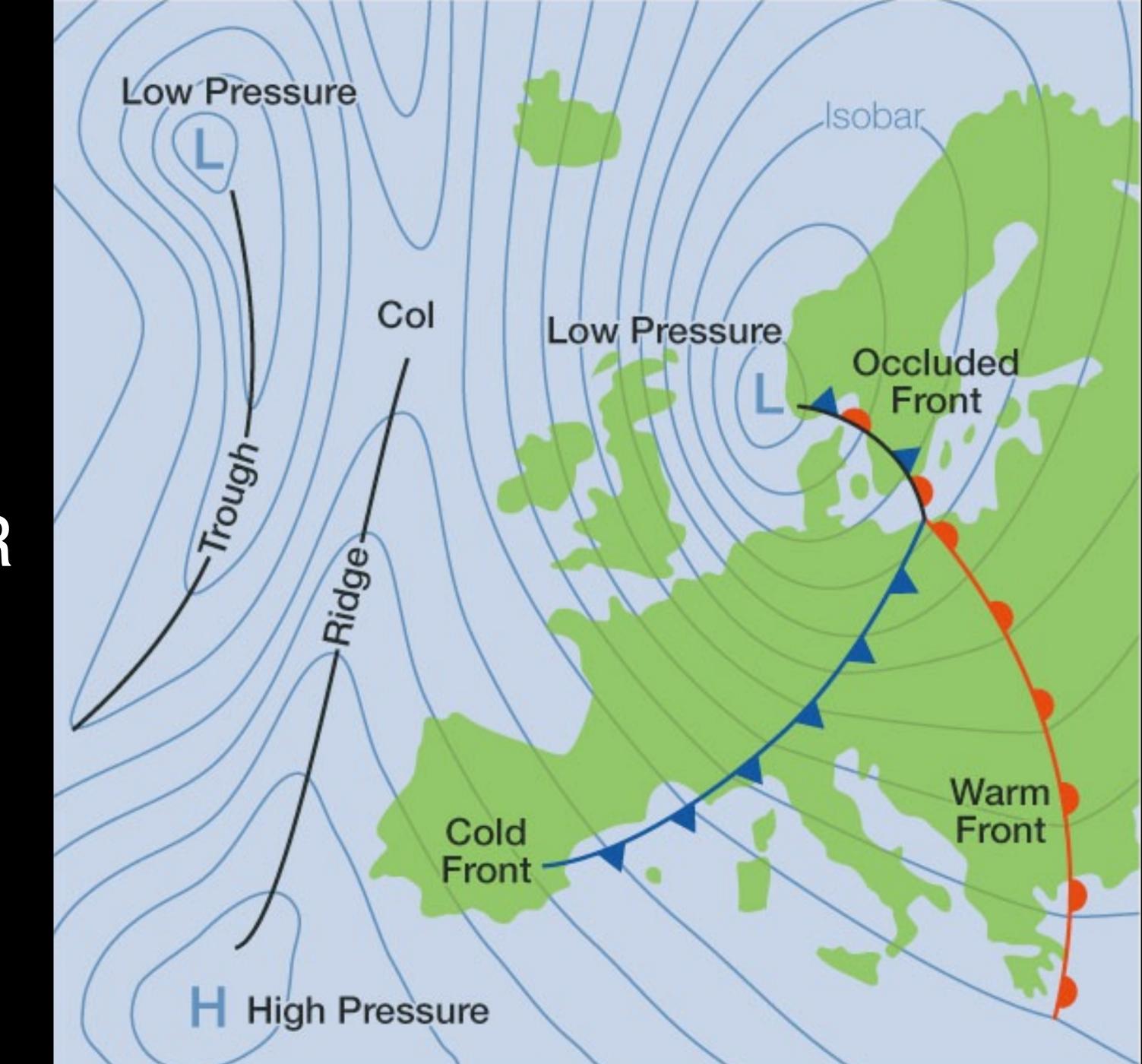


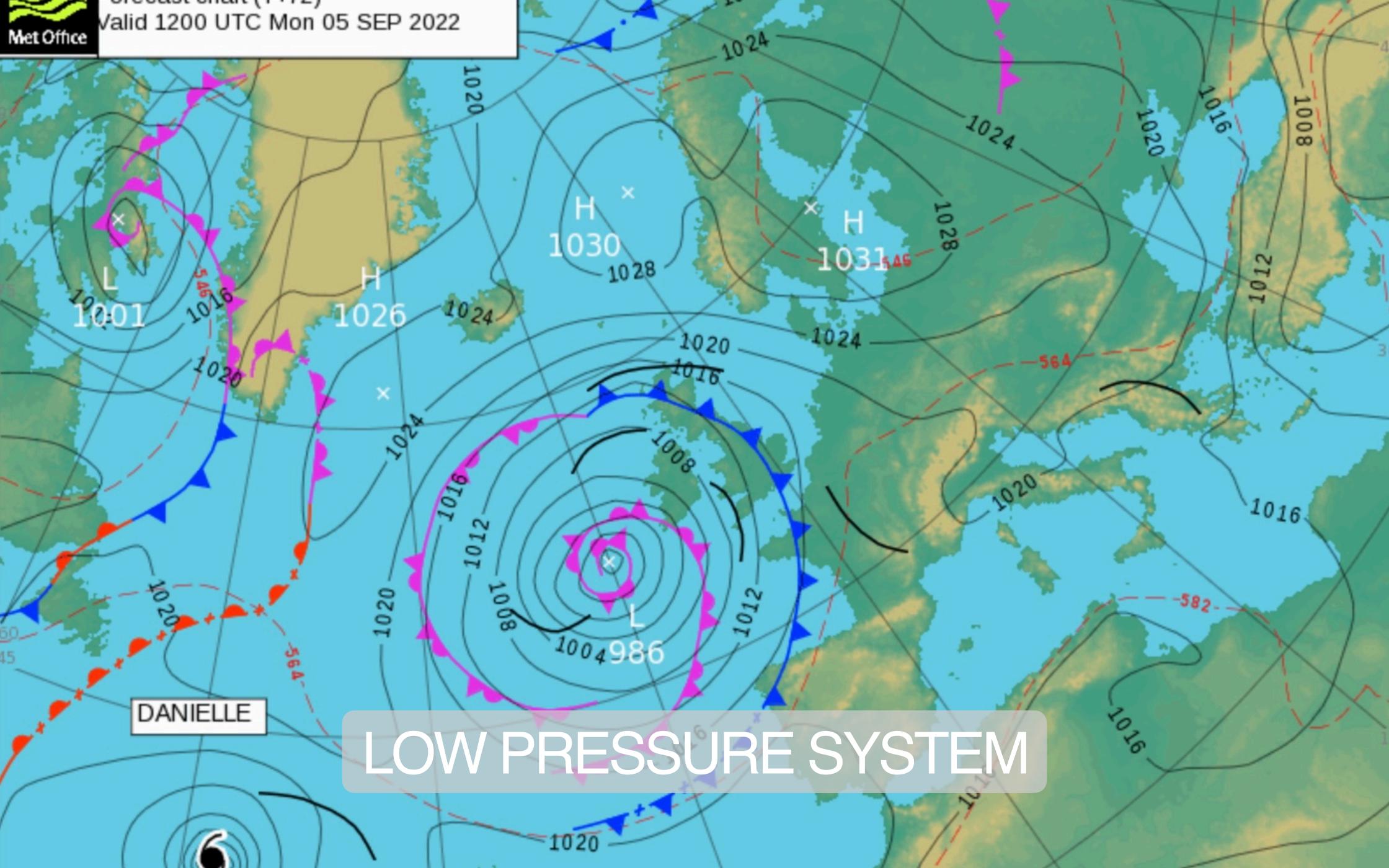


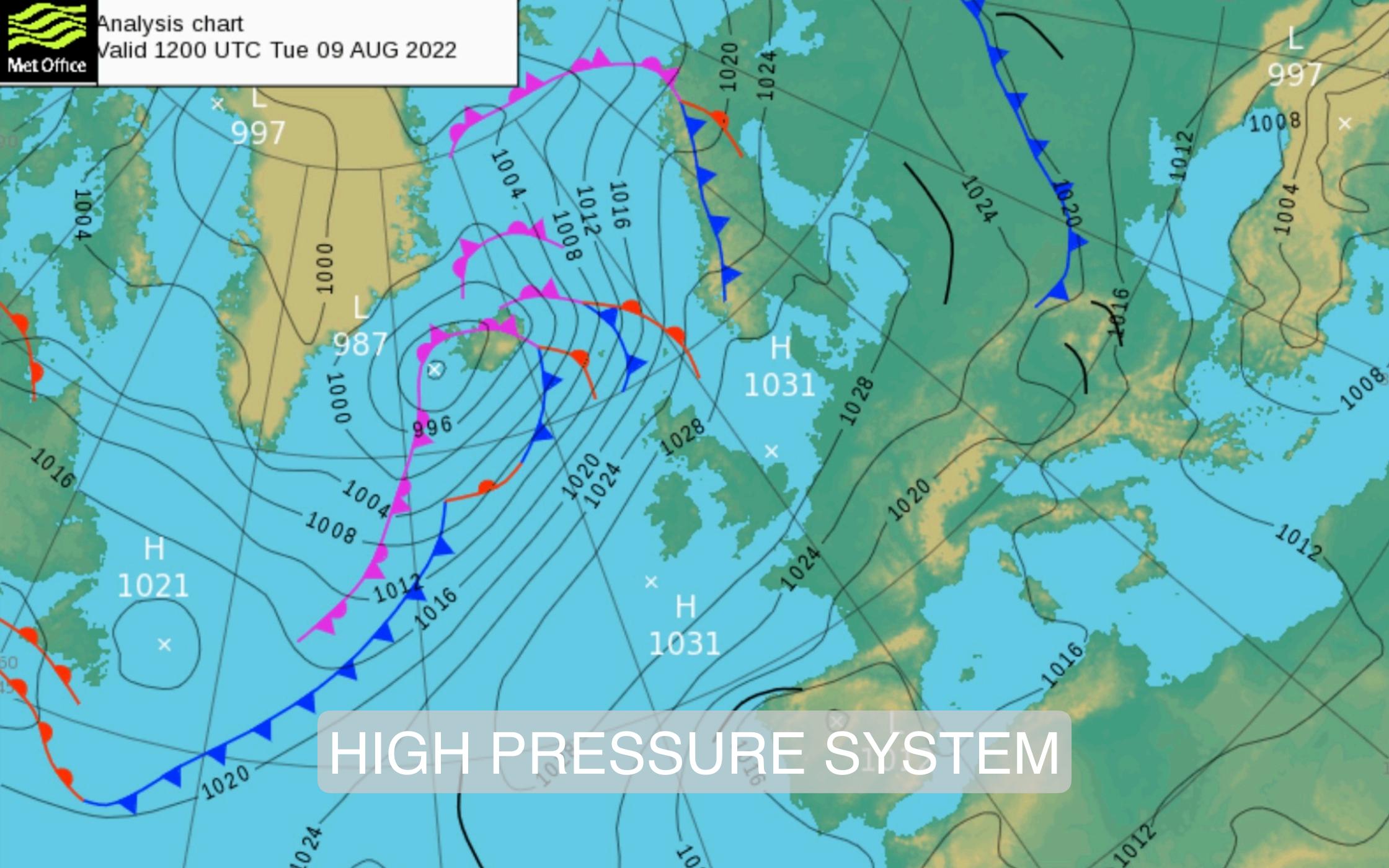
COOLED AIR
HIGH PRESSURE

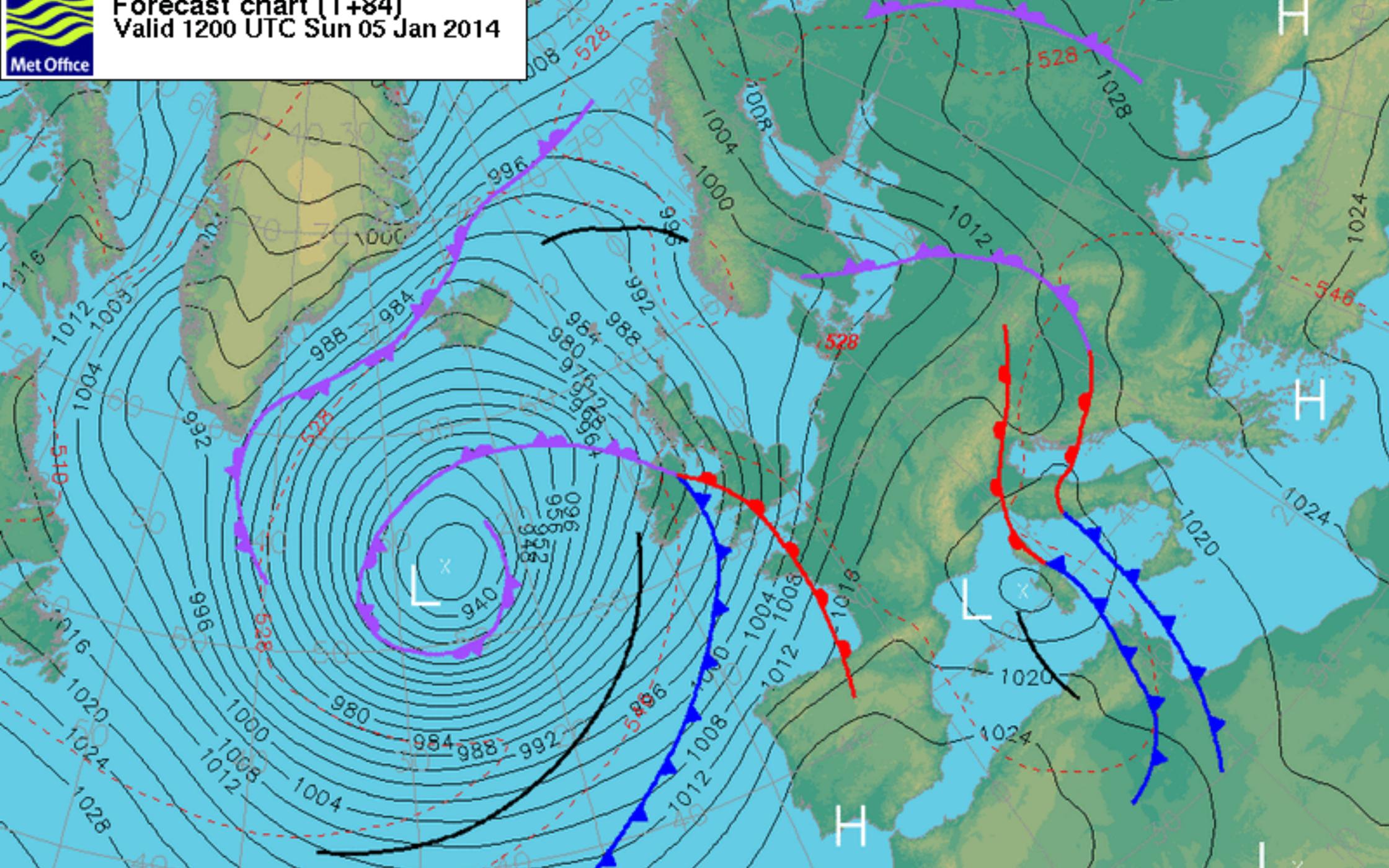
WARMED AIR LOW PRESSURE

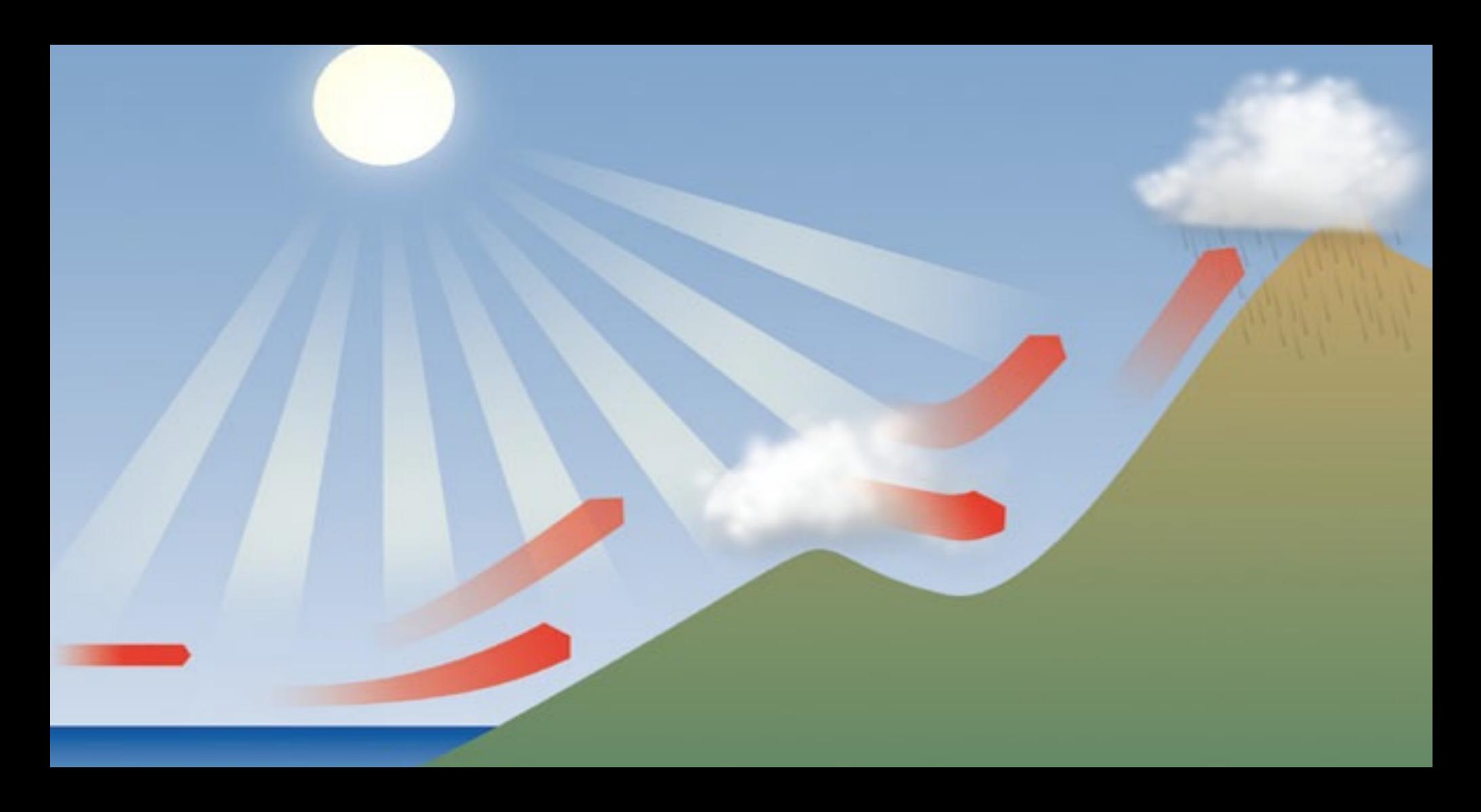
### SYNOPTIC MAPS/WEATHER CHARTS



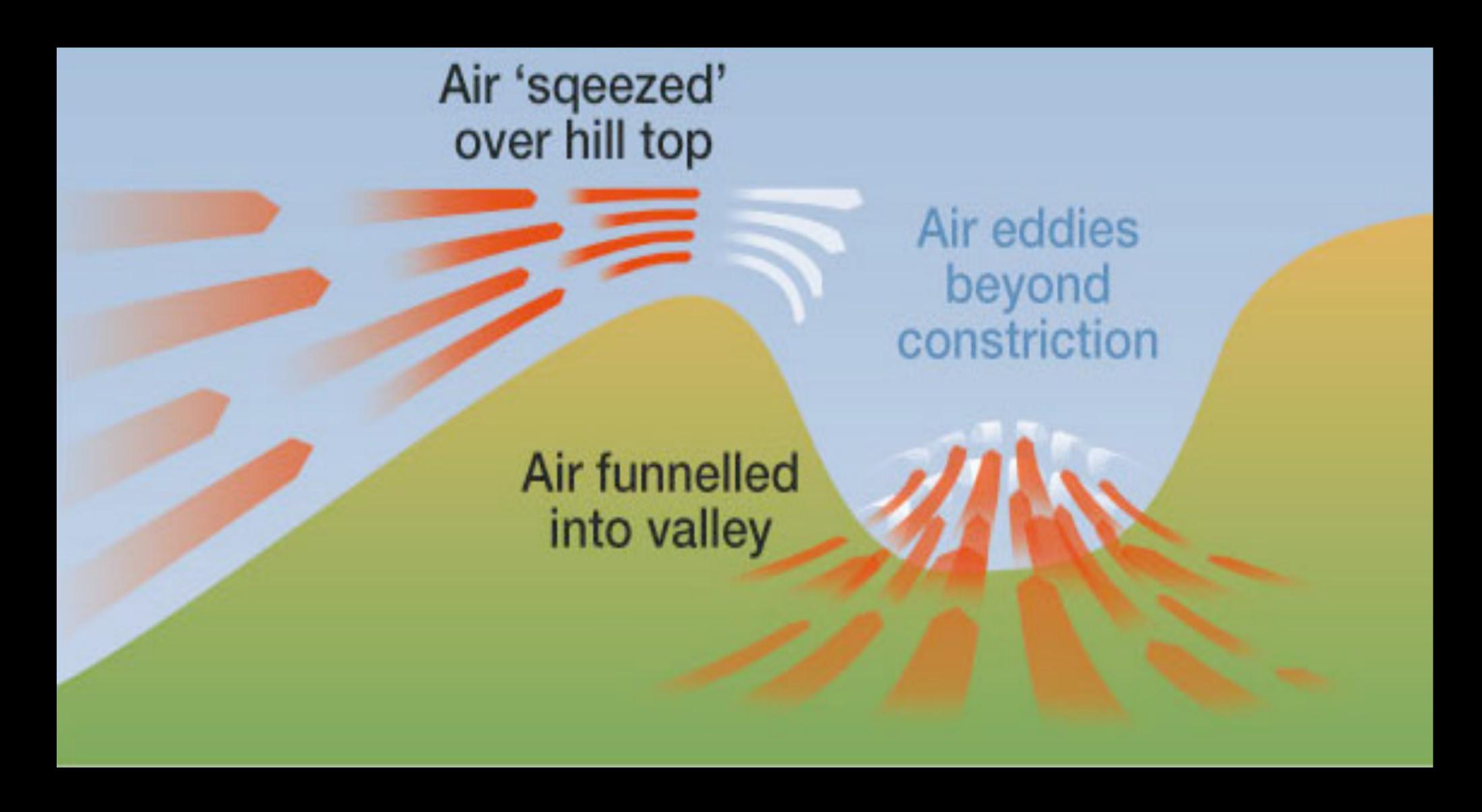




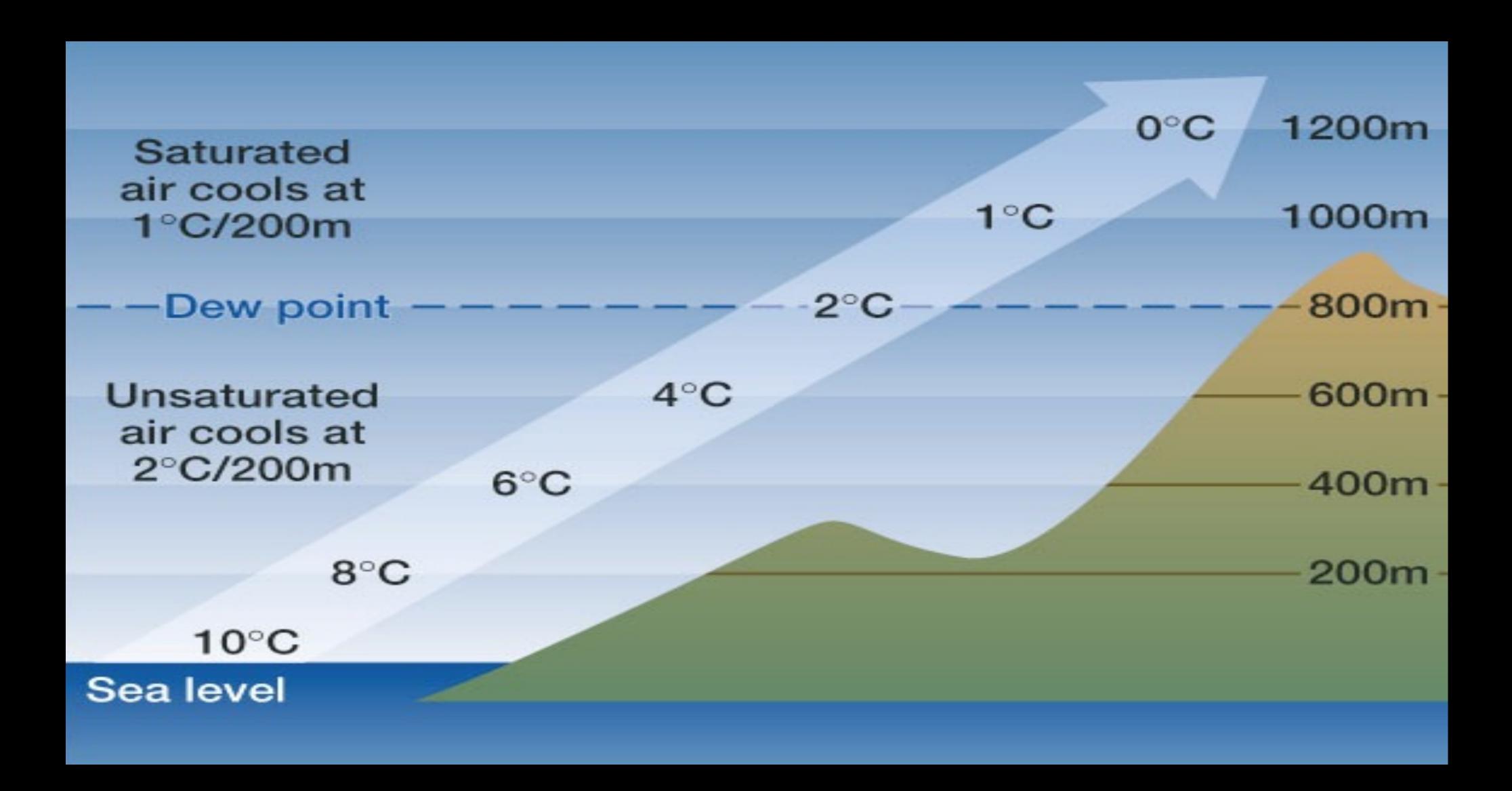




# OROGRAPHIC LIFTING



### AIR MOVEMENT



#### PRESSURE & TEMPERATURE



