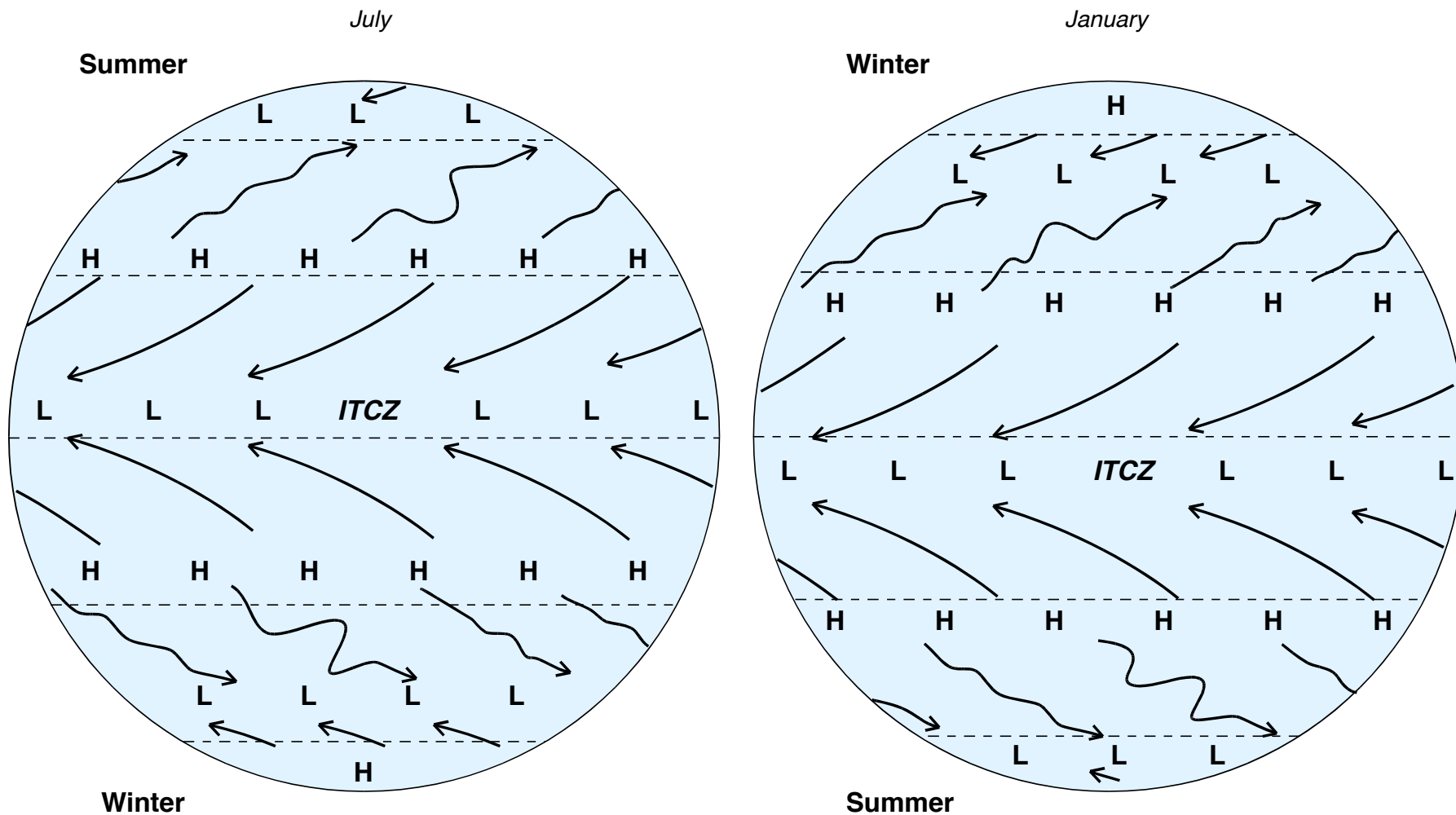


## Global climate zones III: an idealized simple view, with seasons and weather



Part I of this series showed a schematic pattern of atmospheric circulation on Earth. This page enlarges on that pattern by showing how the latitude of pressure zones and wind belts changes with the seasons. The left panel shows the northward shift in northern-hemisphere summer, and the right

shows the southward shift in southern-hemisphere summer. One can think of this in two ways. In the first, the zone of maximum solar heating moves into the summer hemisphere, and so the equatorial low-pressure belt and Inter-Tropical Convergence Zone (ITCZ) move into that hemisphere. In the

second, the polar region of the winter hemisphere becomes colder and its cold area becomes larger, effectively pushing the cells and ITCZ toward the summer hemisphere.