

Geostrophic wind

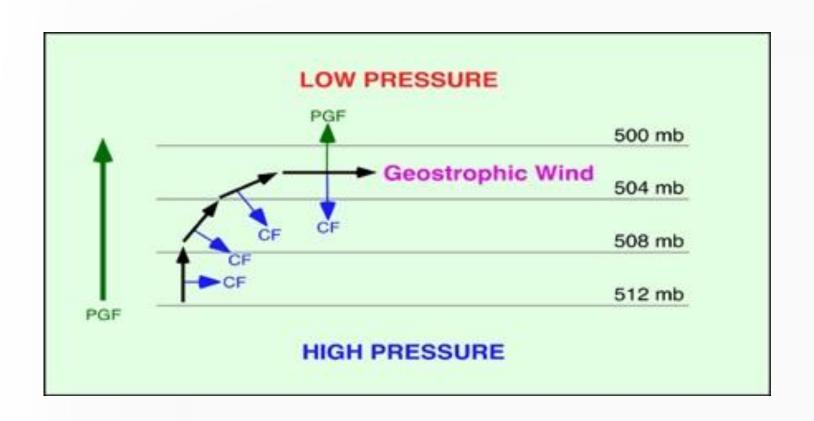
- The winds in the upper atmosphere, 2 3 km above the surface, are free from frictional effect of the surface and are controlled mainly by the pressure gradient and the Coriolis force. When isobars are straight and when there is no friction, the pressure gradient force is balanced by the Coriolis force and the resultant wind blows parallel to the isobar.
- This wind is known as the **geostrophic wind**.





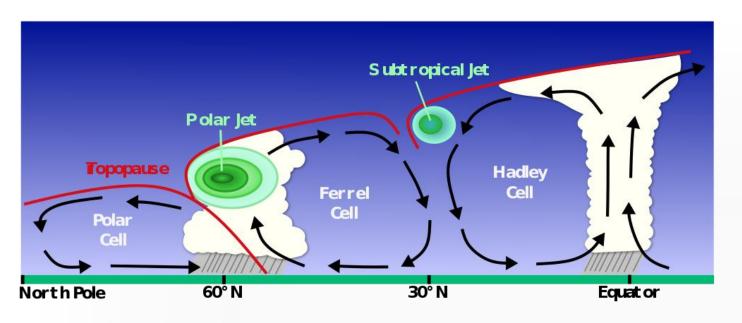


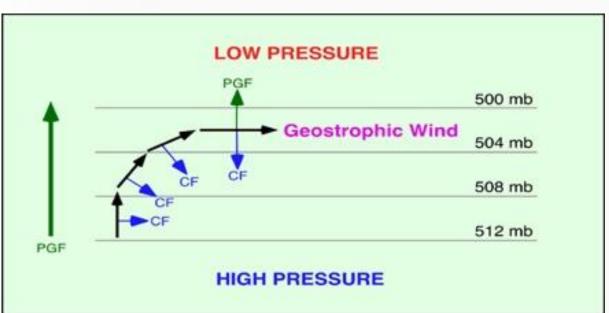
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