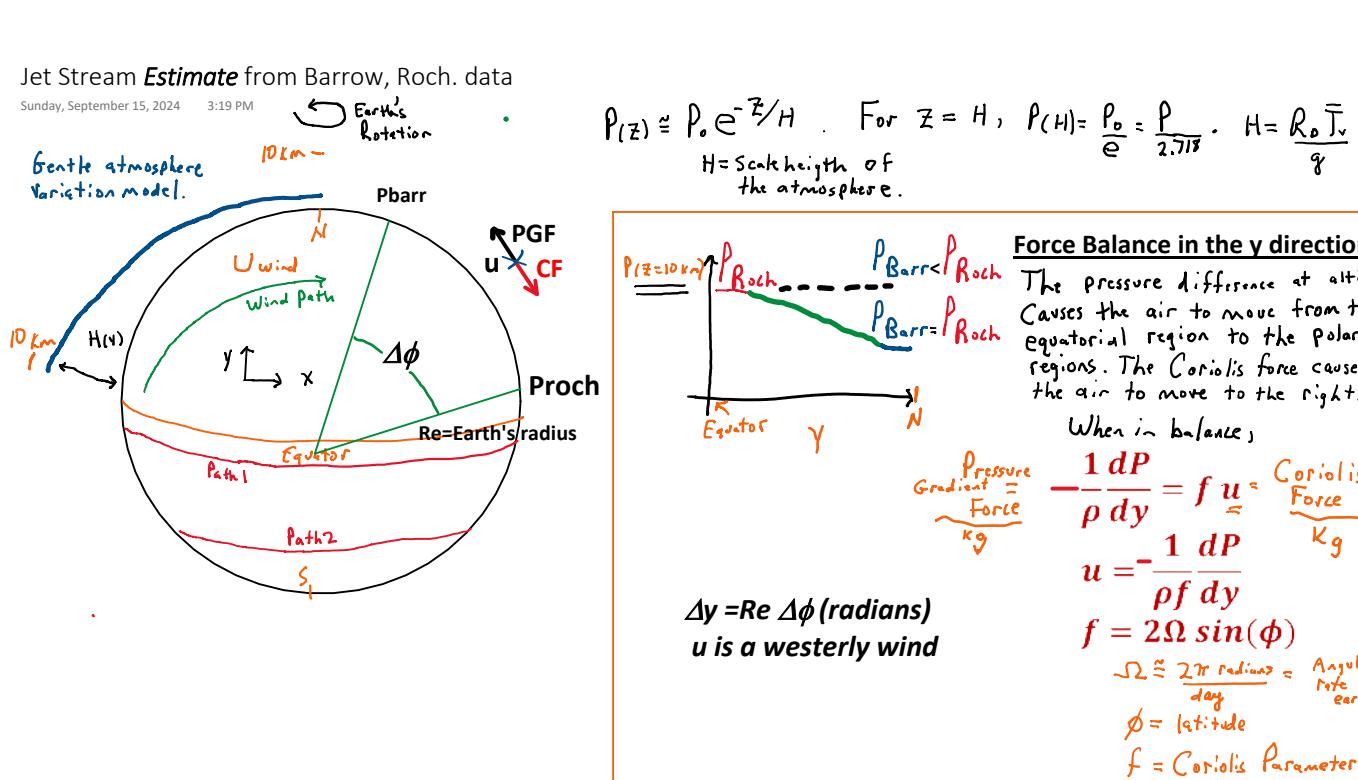


Jet Stream Estimate from Barrow, Roch. data

Sunday, September 15, 2024 3:19 PM



Example

Density (kg m^{-3})	Coriolis Parameter (1/s)	$dP (\text{Pa})$
0.48	1.00E-04	5240

Barrow Lat (deg)	Roch Lat (deg)	Re (m)	dy (m)
71.3	4.8	6.37E+06	7.39E+06

$u (\text{m/s})$	$u (\text{knots})$
15	29

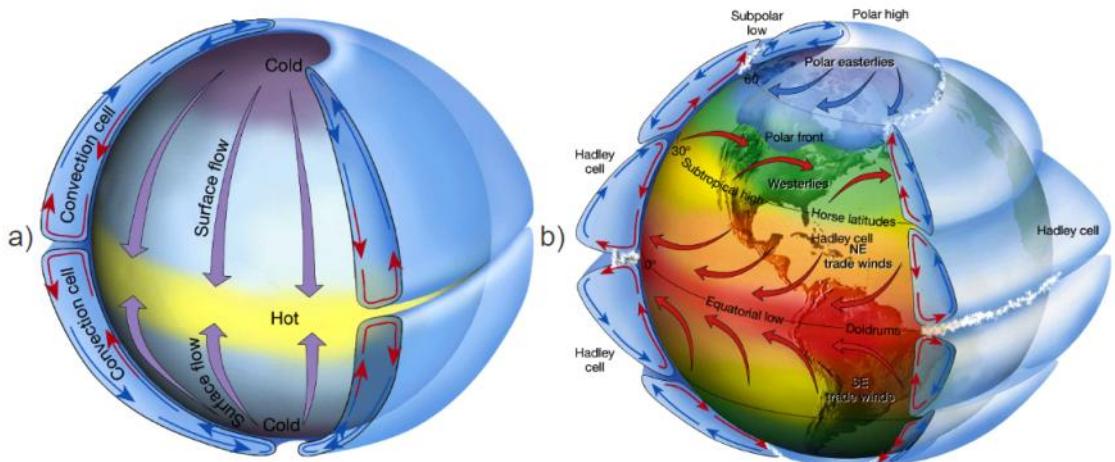


Image 2: Global atmospheric circulation cells a) without the Earth's rotation b) with the Earth's rotation (Images from www.ux1.eiu.edu/~cfjps/1400/circulation.html)

<https://www.rmets.org/metmatters/global-atmospheric-circulation>

