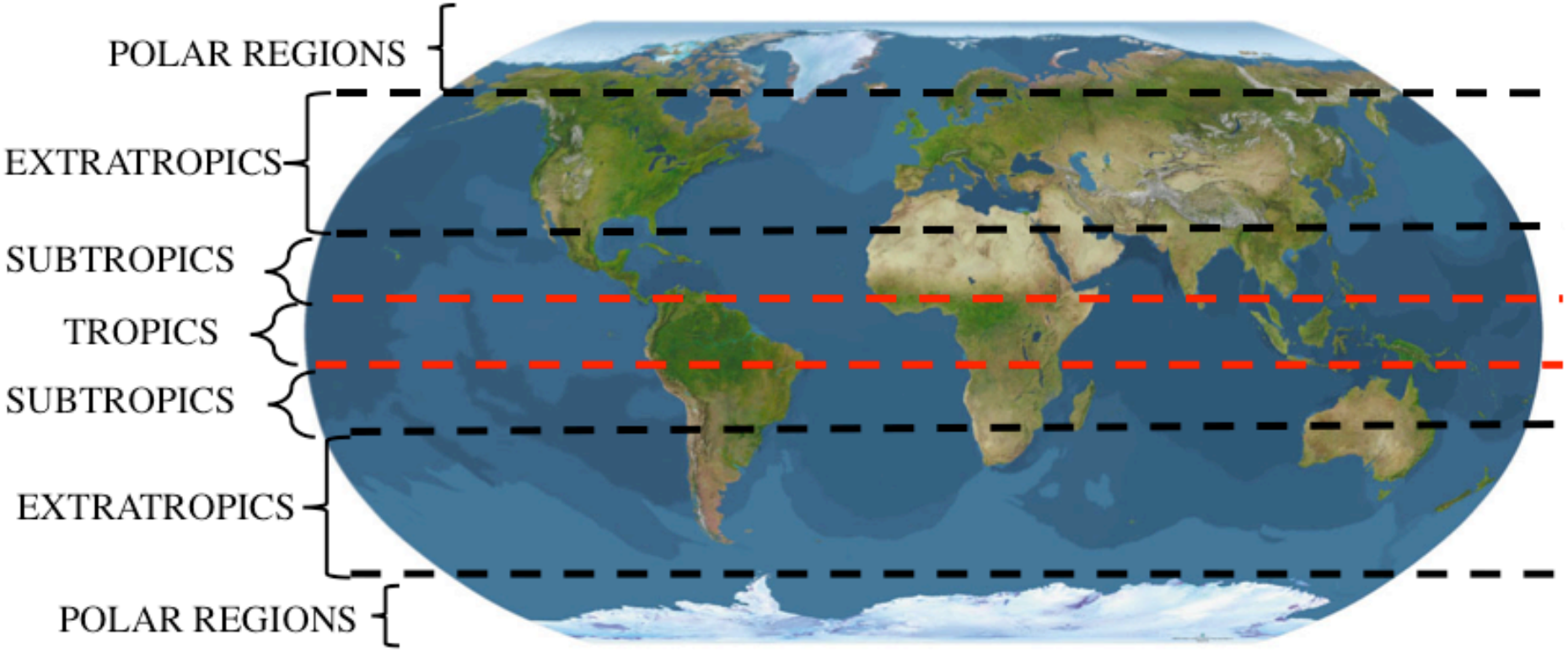
Wednesday, Aug 28, 2019
Lecture #1
EAS 0309



TROPICS: 15S – 15N
SUBTROPICS: 15 – 25
EXTRATROPICS: 25 – 70
POLES: 70-90

Fig by: J Booth

Are there differences in the tropics, subtropics and midlatitudes in the cloud pattern?

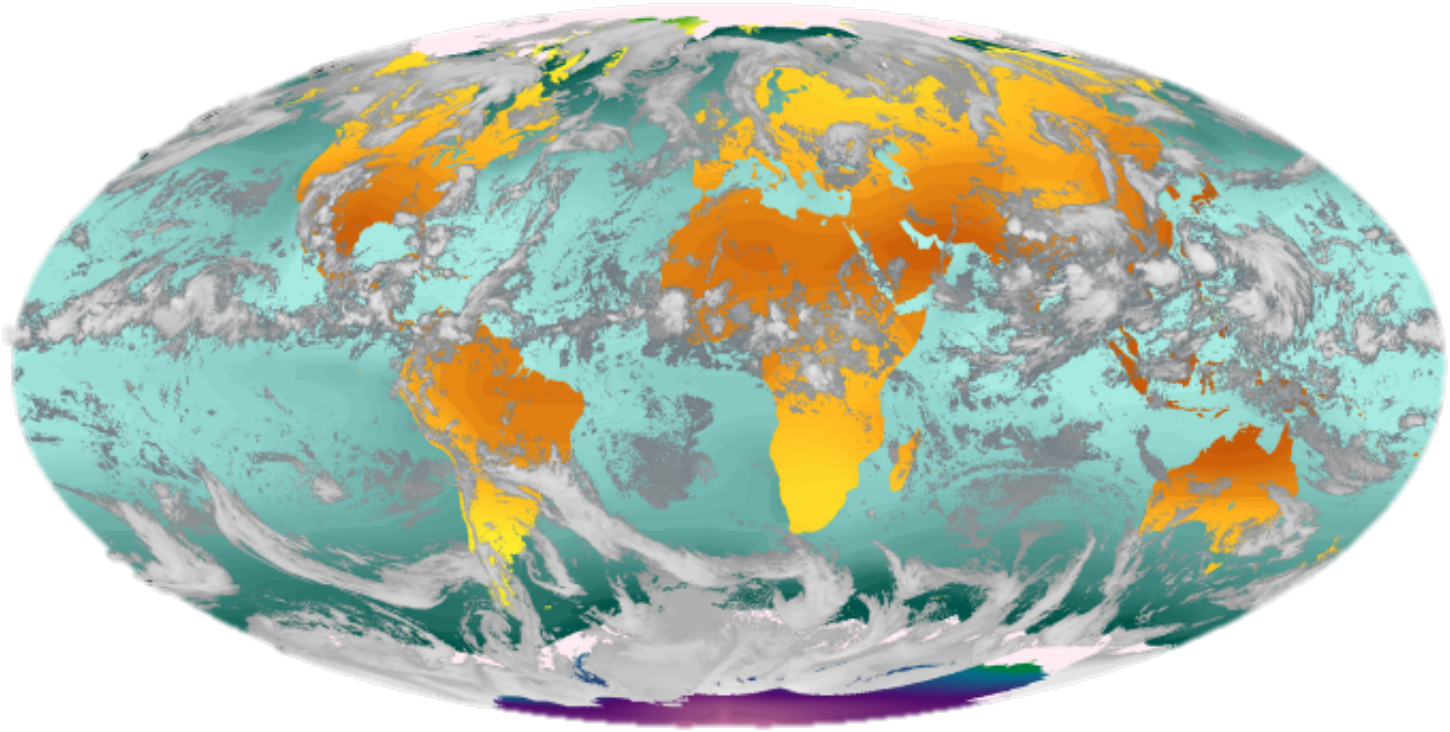
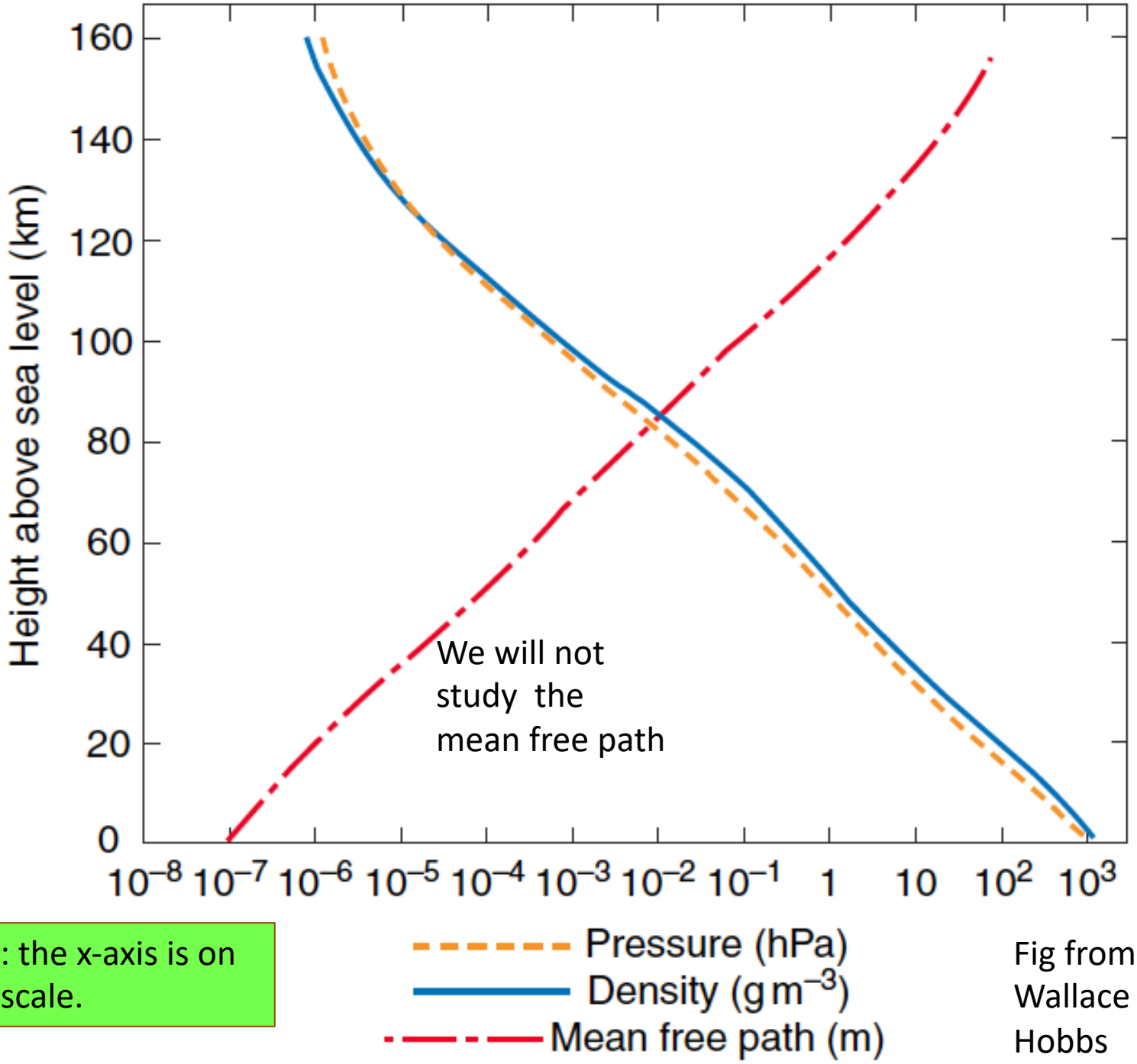


Fig from Wallace and Hobbs

The atmosphere is very thin!
i.e., the zonal and meridional domains are much larger than the vertical.

Fig from Wallace and Hobbs



NOTICE: the x-axis is on the log scale.

Fig from Wallace and Hobbs

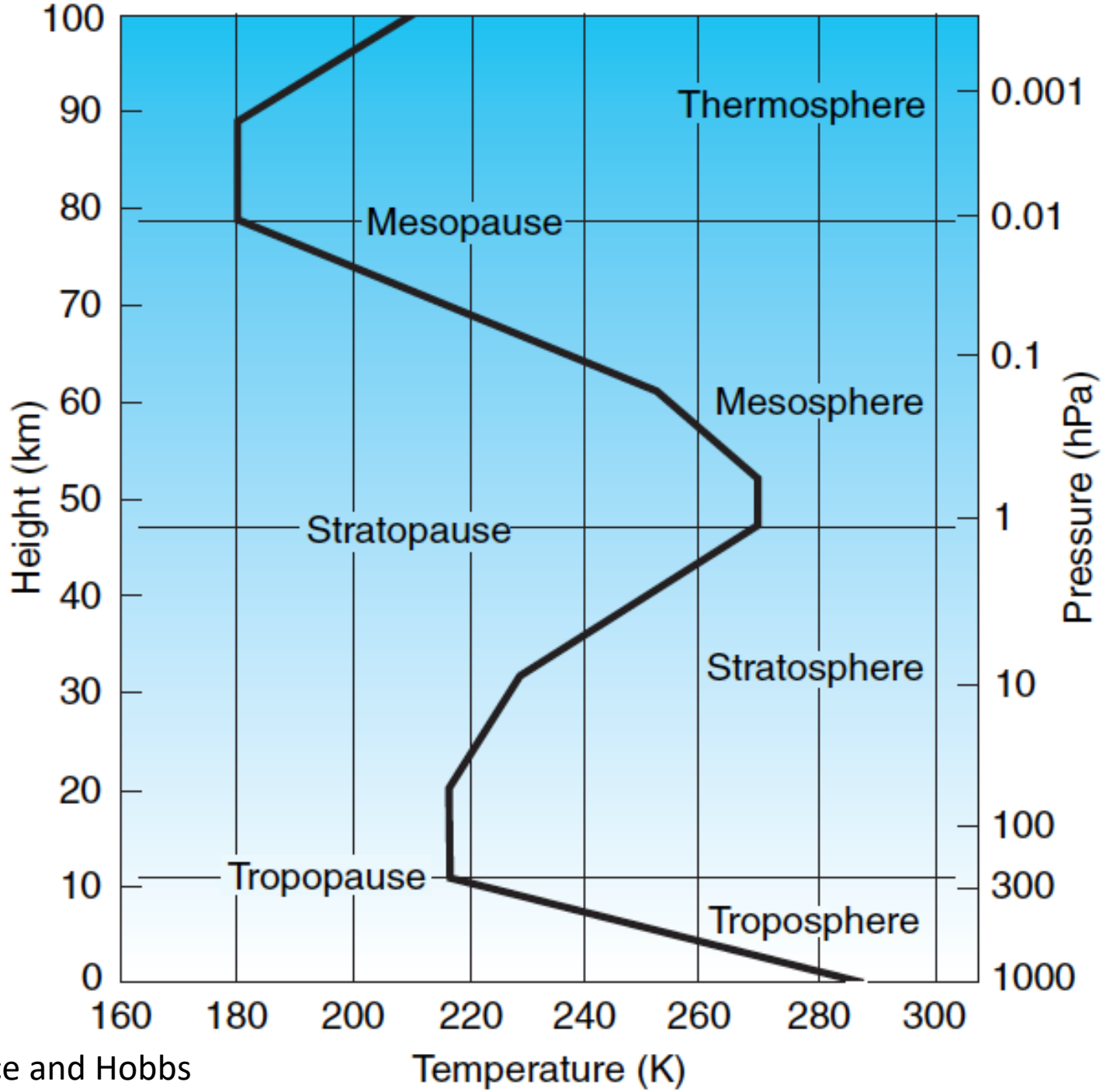


Fig from Wallace and Hobbs

Fig. 1.10 A distinctive "anvil cloud" formed by the spreading of cloud particles carried aloft in an intense updraft when they encounter the tropopause. [Photograph courtesy of Rose Toomer and Bureau of Meteorology, Australia.]

Fig from Wallace and Hobbs

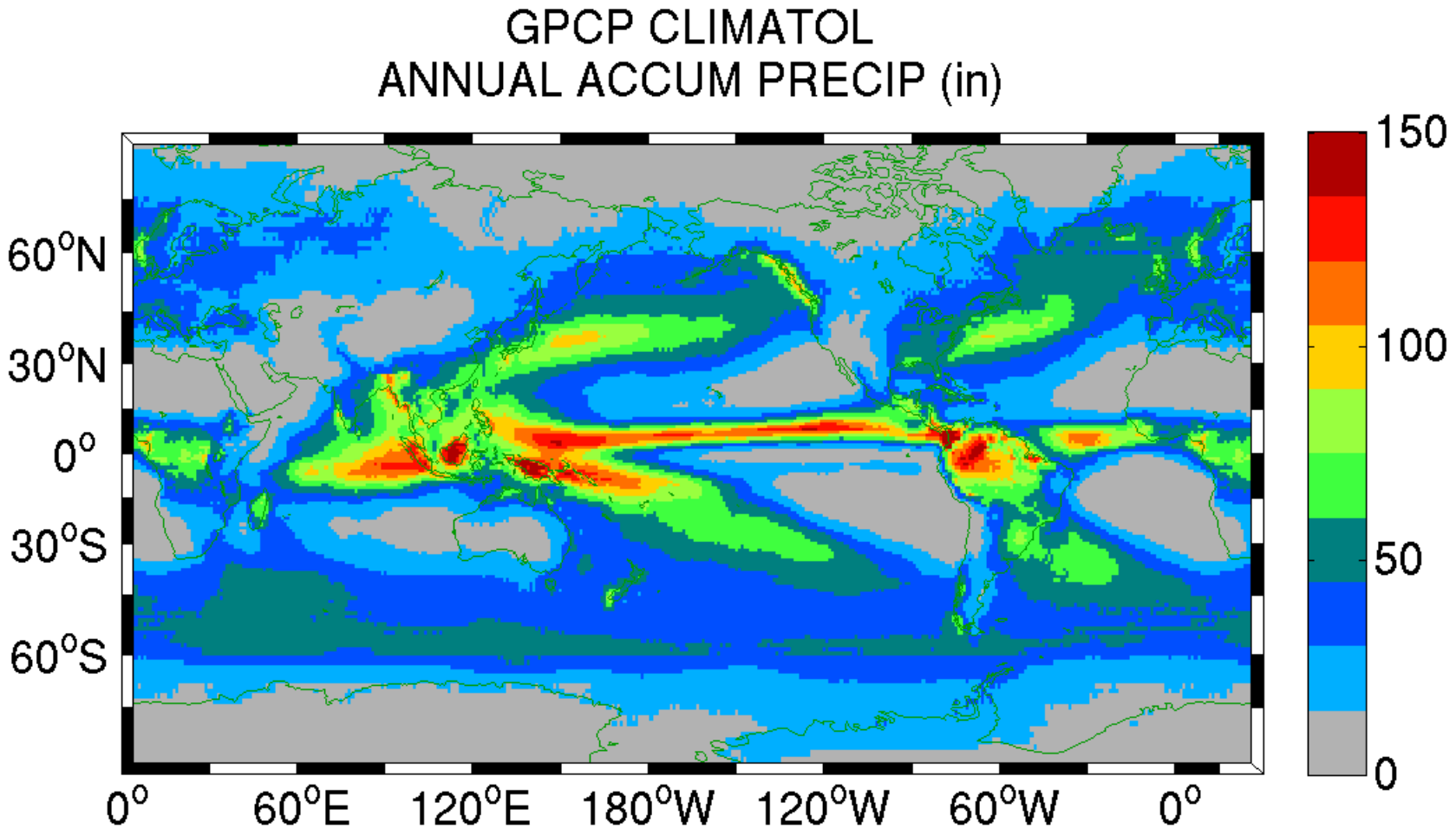


Fig by J Booth

Weather Webpages

National Hurricane Center: https://www.nhc.noaa.gov

Example of a webpage with weather forecasts:
https://weather.cod.edu/forecast/

Near-real time satellite precipitation estimate:
https://pmm.nasa.gov/gpm/imerg-global-image