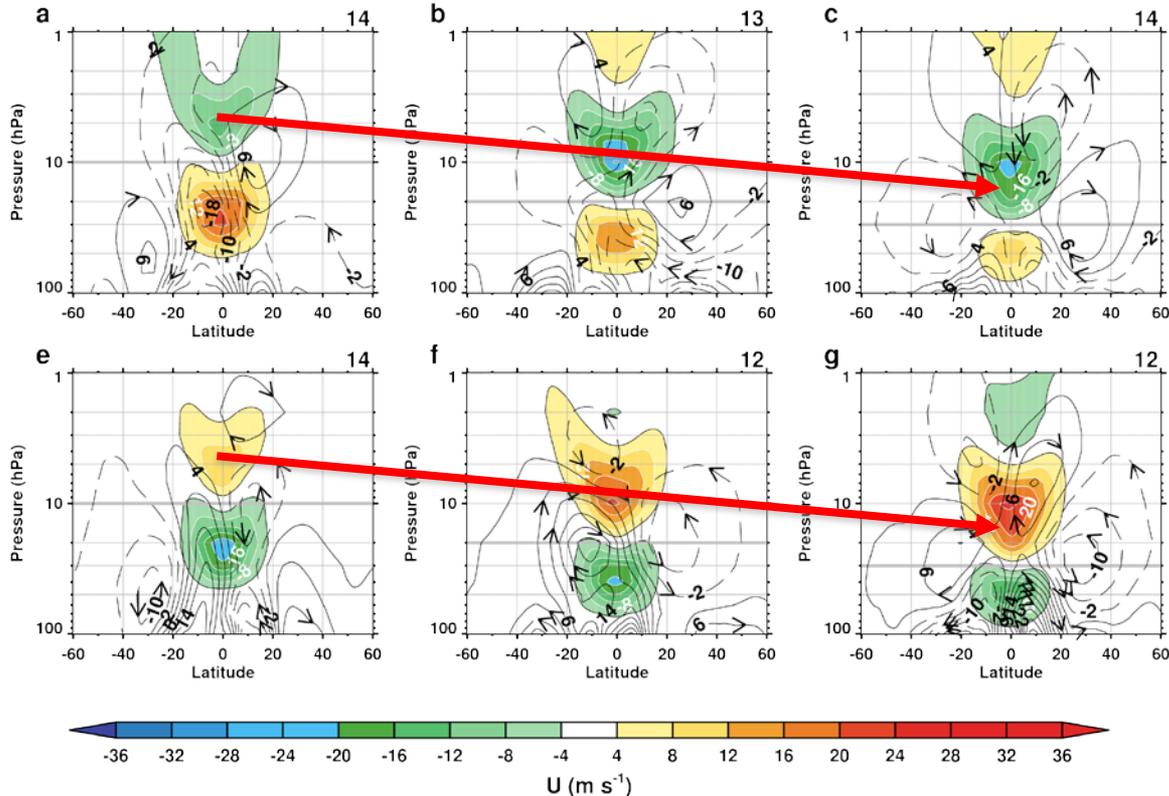


# MERRA-2 Quasi-Biennial Oscillation

MERRA-2 provides realistic QBO interannual variability in the lower stratosphere, including meridional circulation variability out to 60° latitude that can affect long term climate and transport studies.

## QBO Winds and Circulation



Downward propagating easterly (green) and westerly (red) winds and their induced meridional circulation (black contours with arrows) for different phases of the QBO.

The time between panels is approximately 4.7 months.