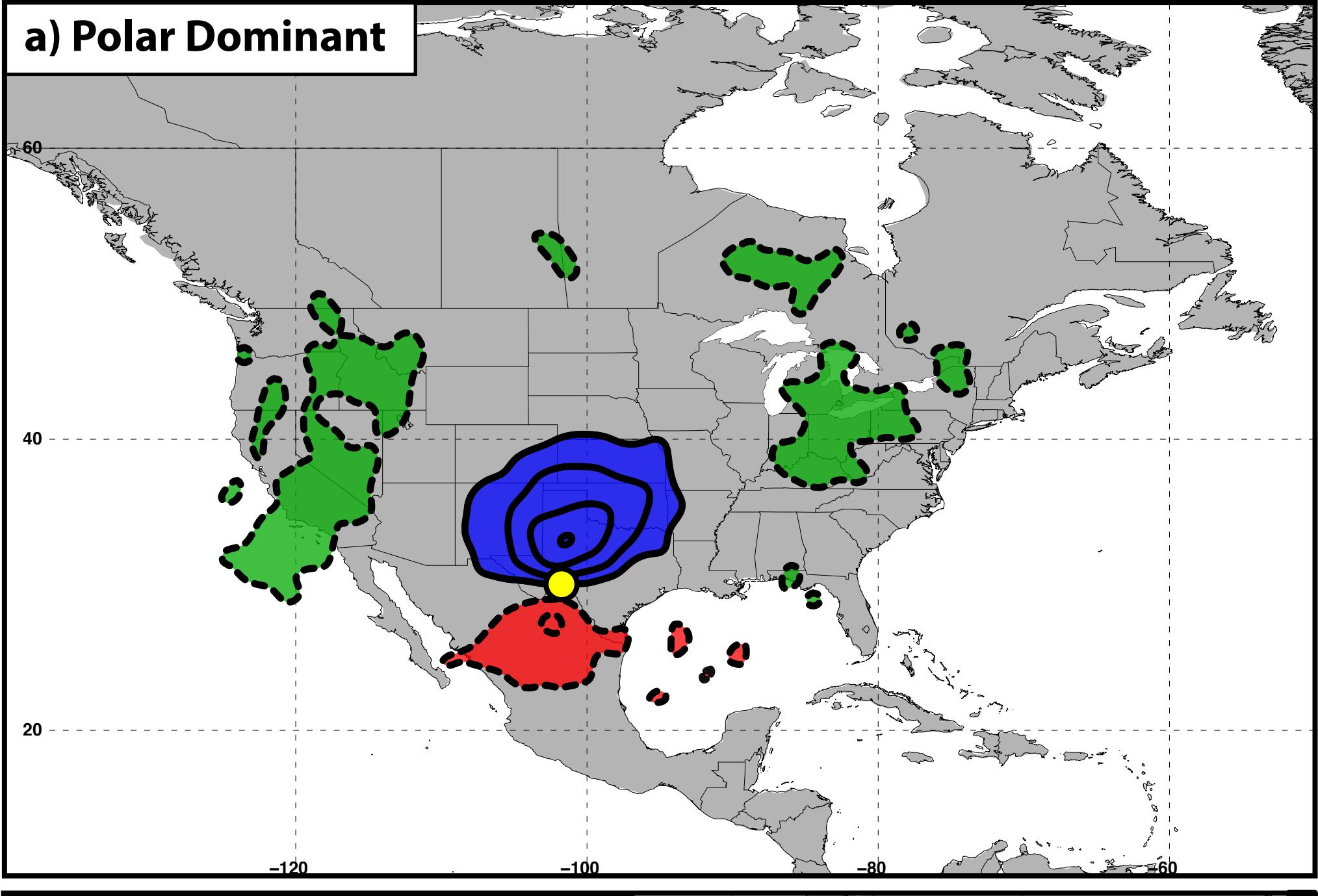
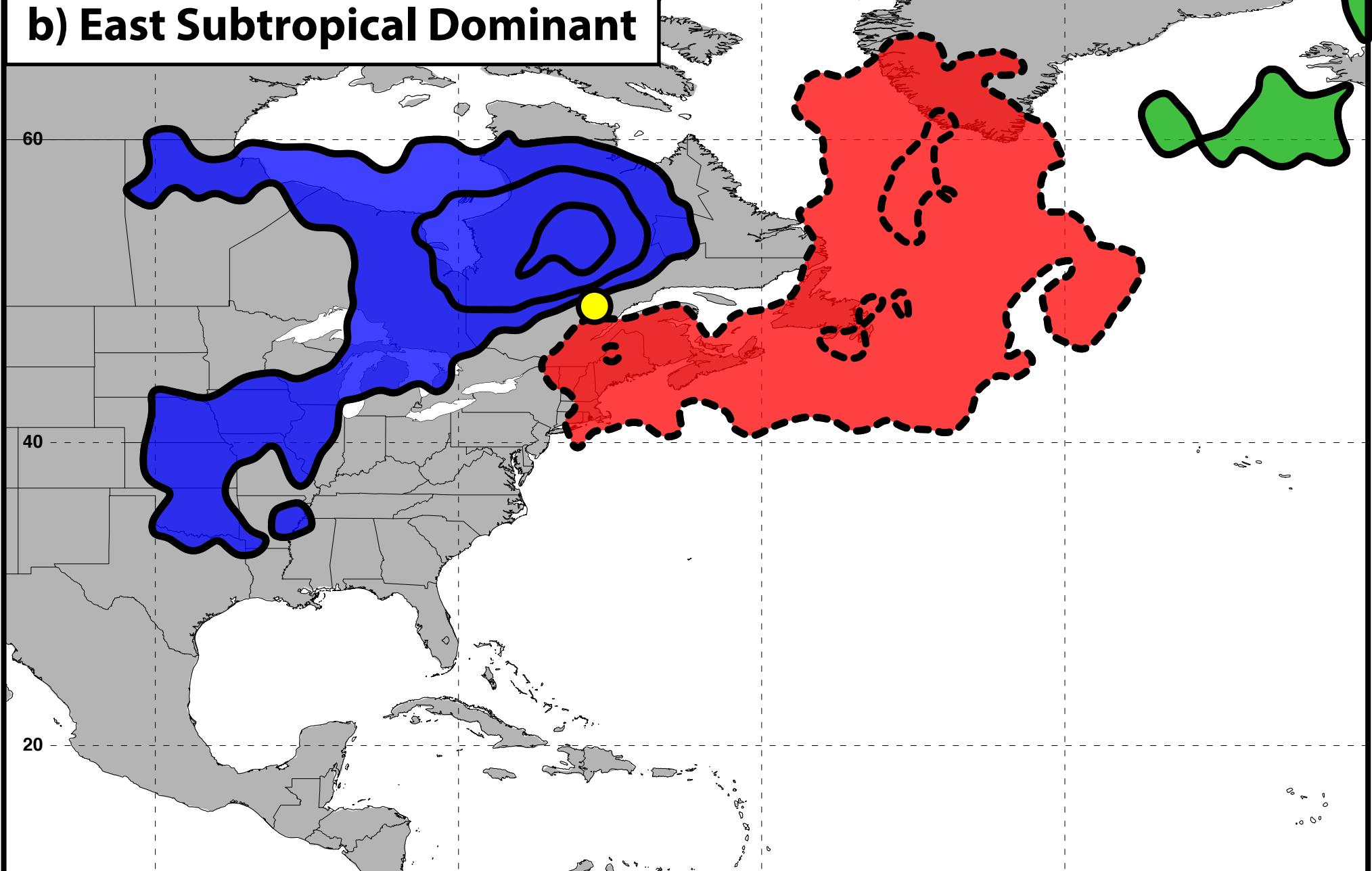


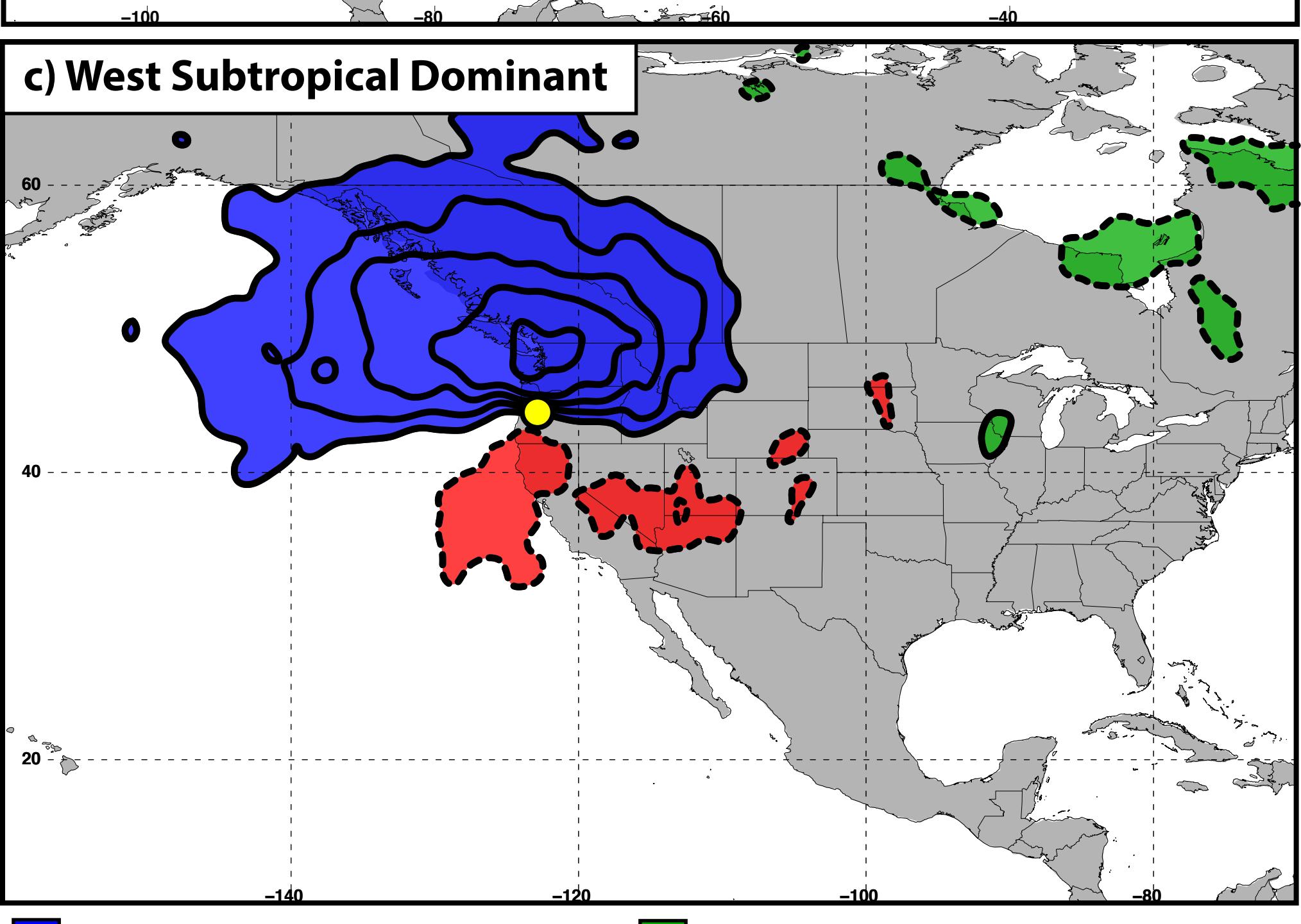
a) Polar Dominant



b) East Subtropical Dominant



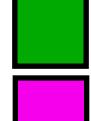
c) West Subtropical Dominant



Polar Cyclonic QGPV Anomalies



Tropical Anticyclonic QGPV Anomalies



Residual QGPV Anomalies



Lower-Tropospheric QGPV Anomalies